The new Advanced Diagnostics MVP/T-Code Digital Manual version 2017.2 is now available in print for a charge of $150.00 MSRP (US Dollars).

This manual will be updated on a regular basis/often.

Print copies are available in US, Canada, Mexico and Central America. Please contact your AD distributor.
Welcome to the 2017 ADVANCED DIAGNOSTICS USA DIGITAL MANUAL & KEY GUIDE FOR MVP PRO & T-CODE PRO

This all new digital PDF format will allow us to keep you up to date on changes, new models covered, and new capabilities in future updated versions.

As necessary and as time goes on, we will be adding new content. Including links to helpful videos and instructional information.

We recommend checking our USA WEBSITE: www.adusa.us for future updates.

Watch a welcome video message from Tech support:
**HOW TO USE THIS MANUAL**

THIS ALL NEW DIGITAL FORMAT MANUAL LETS YOU NAVIGATE INSIDE THE DOCUMENT BY CLICKING ON HELPFUL LINKS.

**CLICK ON THE SYSTEM TO GO DIRECTLY TO THE MAIN INFO PAGE/GRID FOR THAT SYSTEM -**
Also, note the info provided for example this car can use either 2A or 2B system. Always use this info carefully when selecting.

<table>
<thead>
<tr>
<th>2004-2005 S2000 (Honda)</th>
<th>ADS-110</th>
</tr>
</thead>
<tbody>
<tr>
<td>ILCO</td>
<td>SYSTEM</td>
</tr>
<tr>
<td>HO01-PT</td>
<td>Type 2A or 2B</td>
</tr>
</tbody>
</table>

**Note:** It may be necessary to use Pro Dongle A or C. Some models may use TYPE 3 System & Key

**USE THE “F5” KEY TO OPEN A SEARCH WITHIN THE DOCUMENT**

**CLICKING HERE ON ANY PAGE WILL TAKE YOU DIRECTLY TO THE TABLE OF CONTENTS**

**CLICKING HERE ON THE SECTION HEADER TAKES YOU TO THE BEGINNING OF THE SELECTED SECTION**

**WATCH VIDEO - ADC250 main cable**

**WEB LINKS TO PROGRAMMING VIDEOS - CLICK TO WATCH VIDEOS -**
REQUIRES INTERNET CONNECTION & WEB BROWSER
# TABLE OF CONTENTS

- GENERAL INFO
- VEHICLE IDENTIFICATION BY VIN
- HOW TO USE THIS DIGITAL MANUAL
- ACURA
- AUDI
- CHRYSLER - DODGE - JEEP - PLYMOUTH
- FIAT
- FORD - LINCOLN - MERCURY
- GM USA
- HONDA
- HYUNDAI
- INFINITI
- ISUZU
- JAGUAR
- KIA
- LAND ROVER
- LEXUS
- MASERATI
- MAZDA
- MITSUBISHI
- NISSAN
- SAAB
- SCION
- SMART
- SUBARU
- SUZUKI
- TOYOTA
- VOLKSWAGEN

CLICK ON THE VEHICLE MANUFACTURER’S NAME TO GO DIRECTLY TO THAT SECTION
SCOPE AND CONTENTS OF THIS MANUAL

This manual provides basic information on the installation, operation and maintenance of the MVP PRO or TCODE PRO.

This manual describes the characteristics of the tool at the time it is released in the market; therefore it may not capture later technological improvements introduced by Advanced Diagnostics USA as part of constant efforts to enhance the performance, ergonomics, safety and functionality of its products.

Advanced Diagnostics USA, reserves the right not to update the manual for all versions of the tool. Users must follow the instructions contained in this manual closely, especially safety instructions and maintenance.

Advanced Diagnostics USA cannot accept any legal liabilities for inaccuracies within this publication or for any work carried out using the MVP PRO or TCODE PRO or any of our other equipment & or accessories.

Advanced Diagnostics USA reserves the right to alter specifications without notice.

PRECAUTIONS & GENERAL SAFETY REQUIREMENTS

1. The MVP & TCODE are electronic pieces of equipment, and although designed for everyday environments they should not be exposed to excessive sunlight, low or high temperatures or immersed in liquids.

2. Return unit to carrying case when not in use.

3. Observe normal health and safety precautions when using this equipment.

4. Keep clear of all moving objects when near engine compartment.

5. Ignition circuits generate high voltages, extra precautions and care should be observed when diagnosing these systems.

6. Incorrect connections may damage sensitive electronic devices fitted to the vehicle.

7. Keep the unit away from spark plugs and coil leads to avoid measurement errors.

8. DO NOT disconnect any wiring harnesses or electronic component while ignition is ON.

9. DO NOT disconnect battery while engine is running.

10. Before any work is carried out, consult the Vehicle Manufacturer’s recommended procedures to ensure any work is carried out in accordance with their instructions.
**INTENDED USE**

The MVP, TCODE or TCODE PRO is an Advanced Serial Diagnostic system which has been designed and developed to offer the most advanced diagnostic capabilities.

**IMPROPER USE**

The improper use of the tool includes using the tool to perform an operation that it was not intended for. Should this occur Advanced Diagnostics USA shall take no responsibility for damage to materials or persons and shall consider all warranties on the tool void.

**TECHNICAL SERVICE AND MAINTENANCE**

The manufacturer shall be accountable for servicing during the warranty period and for causes related to the use of the tool. Ordinary maintenance operations shall be performed by the personnel using the MVP, TCODE or TCODE PRO. Any other operation (special maintenance, repairs, replacements etc..) shall be carried out by Advanced Diagnostics USA. Advanced Diagnostics USA is available for clarification and advice, delivery of spare parts, and direct assistance through it’s technical team. Any servicing by the customer during the warranty period must be previously authorized by Advanced Diagnostics USA. The warranty will become void in case of unauthorized operations, use of non-original spare-parts, and/or opening of the tool’s outer shell/housing. Technical Support is considered a Privilege and is revocable at any time at Advanced Diagnostics USA discretion.

**MANUFACTURER’S U.S. ADDRESS**

For any further information or technical service related to maintenance or repairs, please contact:

Advanced Diagnostics USA  
Kaba Ilco Corp.  
400 Jeffreys Road  
Rocky Mount, NC 27804

Phone 1-702-799-9705  
Internet: www.adusa.us

To facilitate communication, please state the name of the customer & the tool serial number.
THE PRO KEYPAD OPERATION

- **Contrast** Brightness Control
- **Power Button** turns tester ON/OFF. Hold button down for approx 1 sec.
- **Function Buttons** Used to SELECT & CONTINUE operations. Function of buttons will vary but will be indicated on the appropriate screen.
- **Directional Arrows** Used for Screen navigation
- **Enter Key** Used to SELECT & CONTINUE operations

THE PRO CONNECTIONS

- **POWER**
- **VEHICLE CONNECTOR** 25 Way D Type
- **USB PORT**
- **DONGLE CONNECTOR** 50 Way D Type
THE PRO KEYPAD OPERATION

**TOUCH SCREEN KEYPAD:**
At various stages in the software, you will be required to enter data (letters and/or numbers). These are entered via the touch screen keypad.

When the screen requires data to be entered, the first keypad option will be numbers 0 to 9. By pressing the right arrow, you will move to the next set of characters as shown. Pressing the left arrow moves you back to the previous set of characters.

Note: If a character is entered incorrectly, Press the BACK key
INITIAL OPERATION

Battery Voltage
This displays the battery voltage of the vehicle connected to. Ensure the battery voltage is sufficient before proceeding. Note the voltage is displayed inside the icon and is not a selectable function.

12.50V

Calibration
This function is selected to calibrate the touch screen. Once selected a '+' will appear on the screen. The user must touch the centre of this cross either with a finger or pointer (not sharp and careful not to damage screen). Whilst being pressed a progress bar will fill up. Keep pressing the '+' until the progress bar fills. This process needs to be repeated as another '+' will appear in a different area of the screen, which must be touched centrally again. Repeat this for all the '+' that appear on the screen. Once complete the screen will indicate that calibration was successful and then revert to the main menu.

Standard Software
Select either Standard or Beta software

F1

Beta Software
The vehicle selection menu will then be displayed.

F3

Download
The unit is updated whilst the main menu is being displayed.
Refer to the Software Update section of this manual.
INITIAL OPERATION - INITIAL OPERATION

1) Connect the appropriate Dongle and diagnostic cable for the vehicle being programmed.

2) Press & Hold the Power button until the green LED illuminates / the tester emits a beep.

3) The Main Menu selection screen will appear.

4) If required, the contrast can be adjusted using the + or - buttons.

Note: The contrast can be adjusted on any screen.

NOTE: The PRO unit will not power up unless a dongle is plugged into the unit.
**PRO UNIT IS PASSWORD PROTECTED**

**INITIAL OPERATION - INITIAL OPERATION**

Every time the PRO is turned on the unit’s 6 digit security code must be entered - This code is on the card that came with your kit. Keep this in a safe place and do not forget it.

Enter the 6 Digit security code using the screen keypad.

> !WARNING<<<<<

If the password is entered incorrectly 3 times the unit will ‘lock’ and you will have to contact Advanced Diagnostics USA tech support for unlocking. Once “unlocked” the software will need to be re-loaded using the PC loader software.

**SOFTWARE SELECTION**

Select either **STANDARD** or **BETA** software.

Displays the current software and version loaded on the tester.

**WARNING:**

If you choose BETA SOFTWARE, this is entirely at your own risk. Advanced Diagnostics take no responsibility for this software.

Please note that BETA software is the latest software that we are working on and is not fully tested, however it allows customers to use the latest software at their own risk.
A Windows PC is needed in order to load and update the software on your PRO.

Please visit www.adusa.us to download the necessary PC Loader software for your MVP PRO or TCODE PRO unit.

We recommend updating the software on your unit often to take advantage of the very latest programming software we have to offer.

---

**Pro Loader Download**

**(Software and Tokens)**

**Click on this link to download the AD Loader PC Software**
UPDATING THE SOFTWARE / ADDING TOKENS ON MVP

Video Tutorial: Pro Loader Installation

Video Tutorial: Adding Tokens To MVP Pro

Video Tutorial: Touch Screen Calibration
UPDATING THE SOFTWARE
WHEN USING SMART DONGLE

SOFTWARE UPDATING - Connections with SMART DONGLE

SMART DONGLE OWNERS SHOULD ALWAYS UPDATE THE PRO
WITH THE SMART DONGLE CONNECTED

Here we see MVP PRO all hooked up and ready to update.

1. SMART DONGLE connected
2. PRO powered by ADC-241 Adaptor
3. USB cable connected to PC with loader program installed
4. Turn PRO on and leave on main screen
5. Use the loader program on the PC to load software and or tokens.

ADC-241 ADAPTOR

ADC-241 ADAPTOR MUST BE USED WHEN UPDATING USING SMART DONGLE
ADC-250 cable shown connected to a typical OBD2 port location

Port locations vary on different makes & models but are typically just under the dash on the drivers side and not too hard to find. A few oddballs like early Acura may be hidden behind a trap door or inside the ashtray area but most are easy to find.

WATCH VIDEO - ADC-250 main cable

**CONNECTION DONGLE FOR THE USA MVP PRO KIT -**

<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Dongle A" /></td>
<td><img src="image" alt="Dongle B" /></td>
<td><img src="image" alt="Dongle C" /></td>
<td><img src="image" alt="Dongle D" /></td>
<td><img src="image" alt="Dongle E" /></td>
<td><img src="image" alt="Dongle F" /></td>
<td><img src="image" alt="Dongle G" /></td>
<td><img src="image" alt="Dongle J" /></td>
</tr>
</tbody>
</table>

**K (BROWN) | M (^ORANGE) | N (LIME GREEN) | L (PINK) | P (BURGANDY) | NO IMAGE AVAILABLE**

*Latest are burgandy

*Now discontinued, is only needed on some units sold in 2013-14 if your unit came with one its for CHRYSLER CCD (TYPE1 immo & some CCD system remotes)

Connect & store the connection dongles & cables carefully.

**CONNECTION CABLES**

<table>
<thead>
<tr>
<th>ADC-250 MAIN OBD</th>
<th>ADC-118 NISSAN OLD STYLE CABLE</th>
<th>ADC-153 - USB PC TO PRO UPDATE CABLE</th>
<th>ADC-152 12 VOLT POWER ADAPTOR FOR UPDATING</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Cable A" /></td>
<td><img src="image" alt="Cable B" /></td>
<td><img src="image" alt="Cable C" /></td>
<td><img src="image" alt="Cable D" /></td>
</tr>
</tbody>
</table>

Advanced Diagnostics USA Manual for MVP & T-CODE - © 2017
VEHICLE SELECTION

Using the arrows, select the required manufacturer and press ENTER.

NOTE: For further information and operation refer to the specific MANUAL SECTIONS

SMART CARD CALCULATOR

Over the last 2-3 years we have increased security on our software, to stop unauthorized counterfeit manufacturers copying our hardware and software.

All new kits now come equipped with a SMART CARD CALCULATOR KIT.

The smart card calculator was introduced for a number of reasons, the main ones being to increase the security of our software and to take away any need for customers to use our web sites for security.

The current software when connected to a vehicle will give you a security OUTCODE and a security INCODE is required to continue to use the software. This new system will enable customers to obtain this INCODE without using our web site, and no internet or mobile phone connection is required.

*The calculator is 100% stand alone.*

SMART CARD APPS for Smart Phones

Smart Card Apps are now available on Your Mobile Device.

The AD Smart Card App is a convenient alternative to your existing Smart Card & Calculator.

Visit the Apple APP store or the Google Play Store to download the app

Simply sign in using the AD account details that you created when first registering your PRO and you’re ready to start using the App.

It’s quick, easy and reduces typing errors and there is no need to recharge Your Smart Card.

The Smart Card App requires an internet connection.
If you are in an area with no internet connection, then the AD103 Security Calculator can still be used. Smart Card and the IQ App can ‘hot swap’ between each other, providing the user with seamless Functionality.

This app can only be used with PRO units that have been registered to your AD account.
I/Q GLOBAL APP for Smart Phones

With Advanced Diagnostics being a GLOBAL company with programming for vehicles and systems found all over the world the I/Q app can be an extremely valuable resource for information on vehicles. Some may have yet to make into the mainstream info contained in this USA specific manual. Click on the link for info on how to download I/Q Mobile.

WATCH HELPFUL VIDEO FROM TECH SUPPORT
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4. Term and Termination. This Agreement will be terminated immediately upon notice to you if you materially breach any term or condition of this Agreement. You agree upon termination to promptly return any and all copies of the Program MVP PRO or T-CODE PRO Device and Instructions to ADVANCED DIAGNOSTICS USA, together with any other material you have received from ADVANCED DIAGNOSTICS USA in connection with this MVP PRO or T-CODE PRO Device.

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**LIMITED MANUFACTURER’S WARRANTY**

Advanced Diagnostics UK, LTD. “AD UK”, the manufacturer of the MVP PRO & T-CODE PRO Device, provides the following limited warranty:

1. **LABOR:** For a period of 365 days from the date of purchase, if this Device is determined to be defective, AD UK will repair or replace the Product, at its option, at no charge, or pay the labor charges to any AD UK authorized service facility. After 365 days, You must pay for all labor charges.

2. **PARTS:** In addition, AD UK will supply, at no charge, new or rebuilt replacements in exchange for defective parts for a period of 1 year at its sole discretion. To obtain warranty service, You must take the MVP PRO or T-CODE PRO Device, or deliver the Device freight prepaid, in either its original packaging or packaging affording an equal degree of protection, to AD UK’s distributor: Advanced Diagnostics USA, Kaba Ilco Corp. 400 Jeffreys Road Rocky Mount, NC 27804 Tel: 1-702-799-9705.

This warranty does not cover: Customer instruction, installation or set up adjustments, Any use not expressly permitted by the MVP PRO or T-CODE PRO Device End User License Agreement, Cosmetic damage or damage due to acts of God, accident, misuse, abuse, negligence, commercial use, or modification of or to any part of the Device, Any modification, adjustment of MVP PRO or T-CODE PRO Device or combination of MVP PRO or T-CODE PRO Device with any other equipment or software, Damage due to improper use or maintenance, connection to improper voltage supply, misuse of Tokens, Keys or Software or attempted repair undertaken by anyone other than AD UK or its authorized distributors, MVP PRO or T-CODE PRO Devices and all Software included sold AS IS or WITH ALL FAULTS, or consumables, such as batteries or Tokens.

This warranty is only valid in the United States.

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PROPER VEHICLE IDENTIFICATION IS ESSENTIAL TO SUCCESS!

Always check the VIN to accurately determine the MODEL YEAR of the car you are working on. Using the chart below will help you easily verify this information.

<table>
<thead>
<tr>
<th>10th Digit of the VIN</th>
<th>Model Year</th>
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</thead>
<tbody>
<tr>
<td>1996 = T</td>
<td>2007 = 7</td>
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<tr>
<td>1997 = V</td>
<td>2008 = 8</td>
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<tr>
<td>1998 = W</td>
<td>2009 = 9</td>
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<tr>
<td>1999 = X</td>
<td>2010 = A</td>
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<td>2000 = Y</td>
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<td>2014 = E</td>
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<tr>
<td>2004 = 4</td>
<td>2015 = F</td>
</tr>
<tr>
<td>2005 = 5</td>
<td>2016 = G</td>
</tr>
<tr>
<td>2006 = 6</td>
<td>2017 = H</td>
</tr>
</tbody>
</table>

Example - 1N4AL3AP0DN451923  D = 2013 model year

LOOK AT 10TH POSITION OF THE VIN

STRONG BATTERY VOLTAGE IS IMPORTANT!

Make sure when programming that the vehicle battery is kept at AT LEAST 12 Volts.

Use a jump pack or jumper cables.

KEEP YOUR MVP PRO / T-CODE PRO UPDATED
ILCO KEY CUTTING EQUIPMENT

Ilco offers a complete line of top quality key cutting equipment for the USA market. Here are just a few of our most popular machine that go hand in hand with T-Code / MVP!

Futura Pro

The successor to the popular Futura, the Futura Pro combines its signature dual cutting stations, with faster cutting, and improved software. The Futura Pro is the electronic key machine for Edge-Cut, Laser-Cut, Cruciform, and Dimple keys.

Futura Pro is a powerful machine for the professional key cutters yet also ideal for the less experienced users with step-by-step prompts throughout the cutting processes.

Ultramodern in design and engineered to the highest quality standards; you can be assured of the most accurate, precise cutting of a variety of key styles on one innovative, amazing machine.

Bravo III with EZ-Jaw®

The Bravo III is a high precision, heavy duty semi-automatic key machine designed for ultra reliability and ease of use.

The Bravo III key machine is provided with the CU50A cutter and a corresponding cutter guide. The durable cobalt steel cutter ensures a smooth, clean, accurate cut. The Bravo III is designed to duplicate common cylinder and automotive key blanks as well as Titan® and older GM® with 90 degree first cut bitting characteristics.
ACURA & HONDA
SECTION

T-CODE SOFTWARE PACKS:

(ADS-110) Acura & Honda Basic

(ADS-166) Honda Accord 2008

(ADS-193) Honda & Acura Proximity

(Software names generally refer to the date of release on the T-CODE not the years of vehicles covered).
## 2013-2016 ACCORD (HONDA) PROXIMITY TYPE IGNITIONS

<table>
<thead>
<tr>
<th>OEM</th>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
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</thead>
<tbody>
<tr>
<td><strong>OEM PROX REMOTE</strong> Check with Distributor</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Smart Card or A.D. Webcode required.</td>
<td>PRO Dongle</td>
<td>A-Black Or SD</td>
<td></td>
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</tbody>
</table>

## 2013-2016 ACCORD (HONDA) KEY TYPE IGNITIONS

<table>
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<th>OEM</th>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
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<tbody>
<tr>
<td><strong>OEM “G” RKE KEY</strong> or <strong>ILCO HO05-PT</strong></td>
<td>Type 13</td>
<td>Yes</td>
<td>Smart Card or A.D. Webcode required.</td>
<td>PRO Dongle</td>
<td>A-Black Or SD</td>
<td></td>
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</table>

## 2003-2007 ACCORD (HONDA)

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<td>Not Needed</td>
<td>Not Needed</td>
<td>C-Green Or SD</td>
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## 1998-2002 ACCORD (HONDA)

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<th>SMART Card</th>
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<th>PIN Read</th>
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<tr>
<td><strong>HD106-PT</strong></td>
<td>Type 2A or Type 2C</td>
<td>No</td>
<td>Not Needed</td>
<td>Not Needed</td>
<td>*C-Green Or SD</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Models with ULEV engine will use Type 2C with Pro “A” Dongle. Also, * In some case’s it may be necessary to use Dongle “A” or “C”.

---

**READ THIS BEFORE WORKING ON ANY ACURA HONDA VEHICLES THAT MAY HAVE HAD COMPONENTS CHANGED.**

Component matching on ALL Type3 and up systems.

If any computer components such as PCM, Immo ring, etc. Have been replaced or swapped out. *(By a body shop for example, when a new steering column has been installed)*

A DEALER TOOL will be required in order to re-match components. Simply programming the keys with MVP or TCODE will not perform the necessary matching functions!
### 2012-2013 CIVIC (HONDA)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>HO03-PT</td>
<td></td>
<td>Yes</td>
<td></td>
<td></td>
<td>A-Black or SD</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Smart Card or A.D. Webcode required.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 2006-2011 CIVIC (HONDA)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>HO03-PT</td>
<td></td>
<td>Yes</td>
<td></td>
<td></td>
<td>A-Black or SD</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Smart Card or A.D. Webcode required.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 2003-2005 CIVIC (HONDA)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>HO01-PT</td>
<td></td>
<td>No</td>
<td>Not Needed</td>
<td>Not Needed</td>
<td>C-Green or SD</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 2001-2002 CIVIC (HONDA)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>HD106-PT</td>
<td></td>
<td>No</td>
<td>Not Needed</td>
<td>Not Needed</td>
<td>C-Green or SD</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 1998-2003 CL (ACURA)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>HD106-PT</td>
<td></td>
<td>No</td>
<td>Not Needed</td>
<td>Not Needed</td>
<td>*C-Green or SD</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Note:** * In some cases it may be necessary to use Dongle “A” or “C”.

### 2006-2010 CSX (CANADA) (ACURA)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>HO03-PT</td>
<td></td>
<td>No</td>
<td>Smart Card or A.D. Webcode required.</td>
<td></td>
<td>A-Black or SD</td>
</tr>
</tbody>
</table>

### 2013-2016 CROSSTOUR (HONDA) PROXIMITY TYPE IGNITIONS

<table>
<thead>
<tr>
<th>DEPENDENT</th>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM PROX REMOTE</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Smart Card or A.D. Webcode required.</td>
<td></td>
<td>A-Black or SD</td>
<td></td>
</tr>
</tbody>
</table>

### 2013-2016 CROSSTOUR (HONDA) KEY TYPE IGNITIONS

<table>
<thead>
<tr>
<th>DEPENDENT</th>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM “G” RKE KEY or ILCO HO05-PT</td>
<td>Type 13</td>
<td>Yes</td>
<td>Smart Card or A.D. Webcode required.</td>
<td></td>
<td>A-Black or SD</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Vehicle also uses a Remote Head key from the factory.
### 2010-2012 CROSSTOUR (HONDA) KEY TYPE IGNITIONS

<table>
<thead>
<tr>
<th>System</th>
<th>ILCO</th>
<th>Type</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>HO03-PT</td>
<td>Type 13</td>
<td>Yes</td>
<td>Smart Card or A.D. Webcode required.</td>
<td></td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

### 2016 CRV (HONDA) PROXIMITY TYPE IGNITIONS

<table>
<thead>
<tr>
<th>OEM PROX REMOTE</th>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with Distributor</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Smart Card or A.D. Webcode required.</td>
<td></td>
<td>A-Black Or SD</td>
<td></td>
</tr>
</tbody>
</table>

### 2014-2016 CRV (HONDA) KEY TYPE IGNITIONS

<table>
<thead>
<tr>
<th>DEALER</th>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM “G” RKE KEY or ILCO HO05-PT</td>
<td>Type 13</td>
<td>Yes</td>
<td>Smart Card or A.D. Webcode required.</td>
<td></td>
<td>A-Black Or SD</td>
<td></td>
</tr>
</tbody>
</table>

### 2012-2013 CRV (HONDA)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>HO03-PT</td>
<td>Type 13</td>
<td>Yes</td>
<td>Smart Card or A.D. Webcode required.</td>
<td></td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

### 2007-2011 CRV (HONDA)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>HO03-PT</td>
<td>Type 10</td>
<td>Yes</td>
<td>Smart Card or A.D. Webcode required.</td>
<td></td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

### 2002-2006 CRV (HONDA)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>HO01-PT</td>
<td>Type 3</td>
<td>No</td>
<td>Not Needed</td>
<td>Not Needed</td>
<td>C-Green Or SD</td>
</tr>
</tbody>
</table>

### 2011-2014 CRZ (HONDA)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>HD112HPT</td>
<td>Type 10</td>
<td>Yes</td>
<td>Smart Card or A.D. Webcode required.</td>
<td></td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

### 2003-2005 EL (CANADA) (ACURA)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>HD106-PT</td>
<td>Type 3</td>
<td>No</td>
<td>Not Needed</td>
<td>Not Needed</td>
<td>C-Green Or SD</td>
</tr>
</tbody>
</table>
## 2001-2002 EL (Canada) (Acura)

<table>
<thead>
<tr>
<th>System Type</th>
<th>Use of Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
</tr>
</thead>
<tbody>
<tr>
<td>HD106-PT</td>
<td>No</td>
<td>Not Needed</td>
<td>Not Needed</td>
</tr>
</tbody>
</table>

### Notes:
- C-Green or SD

## 2011-2012 ELEMENT (Honda)

<table>
<thead>
<tr>
<th>System Type</th>
<th>Use of Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
</tr>
</thead>
<tbody>
<tr>
<td>HO03-PT</td>
<td>Yes</td>
<td>Smart Card or A.D. Webcode required.</td>
<td></td>
</tr>
</tbody>
</table>

### Notes:
- A-Black or SD

- Note: Some 2011 cars may still use the 2010 system.

## 2007-2010 ELEMENT (Honda)

<table>
<thead>
<tr>
<th>System Type</th>
<th>Use of Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
</tr>
</thead>
<tbody>
<tr>
<td>HO03-PT</td>
<td>Yes</td>
<td>Smart Card or A.D. Webcode required.</td>
<td></td>
</tr>
</tbody>
</table>

### Notes:
- D Blue

## 2006 ELEMENT (Split Year) (Honda)

<table>
<thead>
<tr>
<th>System Type</th>
<th>Use of Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
</tr>
</thead>
<tbody>
<tr>
<td>HO03-PT</td>
<td>No</td>
<td>Not Needed</td>
<td>Not Needed</td>
</tr>
</tbody>
</table>

### Notes:
- C-Green or SD

- Note: A few models have been found using Type 3 and HO01PT keys.

## 2006 ELEMENT (Split Year) (Honda)

<table>
<thead>
<tr>
<th>System Type</th>
<th>Use of Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
</tr>
</thead>
<tbody>
<tr>
<td>HO01-PT</td>
<td>No</td>
<td>Not Needed</td>
<td>Not Needed</td>
</tr>
</tbody>
</table>

### Notes:
- C-Green or SD

- Note: A few models have been found using Type 3 and HO01PT keys.

## 2003-2005 ELEMENT (Honda)

<table>
<thead>
<tr>
<th>System Type</th>
<th>Use of Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
</tr>
</thead>
<tbody>
<tr>
<td>HO01-PT</td>
<td>No</td>
<td>Not Needed</td>
<td>Not Needed</td>
</tr>
</tbody>
</table>

### Notes:
- C-Green or SD

- Note: 2005 is split year - It could use either system with matching transponder key.

## 2015-2016 Fit (Honda) Proximity Type Ignitions

<table>
<thead>
<tr>
<th>Dealer Option</th>
<th>System Type</th>
<th>Use of Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM PROX Remote Check with Distributor</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Not Needed</td>
<td>Not Needed</td>
</tr>
</tbody>
</table>

### Notes:
- A-Black or SD
### 2015-2016 FIT (Honda) Key Type Ignitions

<table>
<thead>
<tr>
<th>Model Year</th>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015-2016</td>
<td></td>
<td>OEM “G” RKE KEY or ILCO HO05-PT</td>
<td>Yes</td>
<td>Smart Card or A.D. Webcode required.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Note:
- Ilco “V” chip will work as a replacement to the factory “L” chip.
- You cannot use a factory “V” chip on this car. Also, it may be necessary to use the “A”, “C”, or “D” dongle.

### 2009-2014 FIT (Honda)

<table>
<thead>
<tr>
<th>Model Year</th>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009-2014</td>
<td></td>
<td>HO03-PT</td>
<td>Yes</td>
<td>Smart Card or A.D. Webcode required.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Note:
Some 2008 Fit models may use “H” Chip key and remotes & some will not. Fit models are made in different factories around the world. Different Immobilizers Systems are used. (This is risk you take when programming Fit models.)

### 2008 FIT (Honda)

<table>
<thead>
<tr>
<th>Model Year</th>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008</td>
<td></td>
<td>HO03-PT</td>
<td>Yes</td>
<td>Smart Card or A.D. Webcode required.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Note:
Ilco “V” chip will work as a replacement to the factory “L” chip.

### 2007 FIT (Honda)

<table>
<thead>
<tr>
<th>Model Year</th>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
</tr>
</thead>
<tbody>
<tr>
<td>2007</td>
<td></td>
<td>HD113-PT</td>
<td>Yes</td>
<td>Smart Card or A.D. Webcode required.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Note:
Use the Blue dongle, we have seen some cars that need the Black dongle instead.

### 2015-2016 HR-V (Honda) Proximity Type Ignitions

<table>
<thead>
<tr>
<th>Model Year</th>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015-2016</td>
<td></td>
<td>OEM PROX REMOTE</td>
<td>Yes</td>
<td>Smart Card or A.D. Webcode required.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Check with Distributor</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Note:
Different Prox than Accord

### 2015-2016 HR-V (Honda) Key Type Ignitions

<table>
<thead>
<tr>
<th>Model Year</th>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015-2016</td>
<td></td>
<td>OEM “G” RKE KEY or ILCO HO05-PT</td>
<td>Yes</td>
<td>Smart Card or A.D. Webcode required.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 2013-2016 ILX - Proximity (Acura)

<table>
<thead>
<tr>
<th>Model Year</th>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013-2016</td>
<td></td>
<td>OEM PROX REMOTE</td>
<td>Yes</td>
<td>Smart Card or A.D. Webcode required.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Check with Distributor</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Note:
Different from Accord

- Ilco “V” chip will work as a replacement to the factory “L” chip.
- You cannot use a factory “V” chip on this car. Also, it may be necessary to use the “A”, “C”, or “D” dongle.
### 2010-2014 Insight (Honda)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>HO03-PT</td>
<td>Type 10</td>
<td>Yes</td>
<td></td>
<td></td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

**Note:** Ilco “V” chip will work as a replacement to the factory “L” chip.
- You cannot use a factory “V” chip on this car. Also, It may be necessary to use the “A”, “C”, or “D” dongle.

### 2000-2006 Insight (Honda)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>HD106-PT</td>
<td>Type 2A</td>
<td>No</td>
<td></td>
<td></td>
<td>C-Green Or SD</td>
</tr>
</tbody>
</table>

**Note:** Models with ULEV engine will use Type 2C with Pro “A” Dongle.

### 2000-2001 Integra (Acura)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>HD106-PT</td>
<td>Type 2A</td>
<td>No</td>
<td></td>
<td></td>
<td>A or C</td>
</tr>
</tbody>
</table>

**Note:** In some case’s it may be necessary to use Pro Dongle “A” or “C”.

### 2014-2016 MDX (Acura) Proximity Type Ignitions

<table>
<thead>
<tr>
<th>OEM PROX REMOTE</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with Distributor</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

Procedures are the same as the 14 Honda Accord Prox.

### 2007-2013 MDX (Acura)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>HO03-PT</td>
<td>Type 7 or 8</td>
<td>Yes</td>
<td></td>
<td></td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

### 2001-2006 MDX (Acura)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>HD106-PT</td>
<td>Type 2B or 3</td>
<td>No</td>
<td></td>
<td></td>
<td>C-Green Or SD</td>
</tr>
</tbody>
</table>

**Note:** If no comms under 2B, then try Type 3. In some case’s it may be necessary to use Pro Dongle “A” or “C”.

---

Advanced Diagnostics USA Manual for MVP & T-CODE - © 2017
### 1997-2005 NSX (ACURA)

<table>
<thead>
<tr>
<th>Portion</th>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>HD106-PT</td>
<td>Type 1A</td>
<td>No</td>
<td>Not Needed</td>
<td>Not Needed</td>
<td>C-Green Or SD</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** See Honda Type 1 Section - for more information. Replacement Immobilizer Box may be required.

### 2014-2016 ODYSSEY (HONDA) PROXIMITY TYPE IGNITIONS

<table>
<thead>
<tr>
<th>Portion</th>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM PROX REMOTE</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Smart Card or A.D. Webcode required.</td>
<td>A-Black Or SD</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 2011-2013 ODYSSEY (HONDA)

<table>
<thead>
<tr>
<th>Portion</th>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>HO03-PT</td>
<td>Type 13</td>
<td>Yes</td>
<td>Smart Card or A.D. Webcode required.</td>
<td>A-Black Or SD</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 2007-2010 ODYSSEY (HONDA)

<table>
<thead>
<tr>
<th>Portion</th>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>HO03-PT</td>
<td>Type 11</td>
<td>Yes</td>
<td>Smart Card or A.D. Webcode required.</td>
<td>D-Blue</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 2005-2006 ODYSSEY (HONDA)

<table>
<thead>
<tr>
<th>Portion</th>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>HO03-PT</td>
<td>Type 4</td>
<td>No</td>
<td>Not Needed</td>
<td>Not Needed</td>
<td>C-Green Or SD</td>
<td></td>
</tr>
</tbody>
</table>

### 2003-2004 ODYSSEY (HONDA)

<table>
<thead>
<tr>
<th>Portion</th>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>HO01-PT</td>
<td>Type 2B or 3</td>
<td>No</td>
<td>Not Needed</td>
<td>Not Needed</td>
<td>C-Green Or SD</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Some Odyssey models may program with Type 2B using ‘A’ or ‘C’ dongles, instead of Type 3.

### 1998-2002 ODYSSEY (HONDA)

<table>
<thead>
<tr>
<th>Portion</th>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>HD106-PT</td>
<td>Type 2A</td>
<td>No</td>
<td>Not Needed</td>
<td>Not Needed</td>
<td>C-Green Or SD</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** In some case’s it may be necessary to use Pro Dongle “A” or “C”.

---

Advanced Diagnostics USA Manual for MVP & T-CODE - © 2017
### 2016 PILOT (Honda) Proximity Type Ignitions

<table>
<thead>
<tr>
<th>OEM</th>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM PROX REMOTE Check with Distributor</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Smart Card or A.D. Webcode required.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 2009-2015 PILOT (Honda)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
</tr>
</thead>
<tbody>
<tr>
<td>HO03-PT</td>
<td>Type 13</td>
<td>Yes</td>
<td>Smart Card or A.D. Webcode required.</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

### 2006-2008 PILOT (Honda)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
</tr>
</thead>
<tbody>
<tr>
<td>HO03-PT</td>
<td>Type 4</td>
<td>No</td>
<td>Not Needed</td>
<td>Not Needed</td>
</tr>
</tbody>
</table>

### 2005 PILOT (Split Year) (Honda)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
</tr>
</thead>
<tbody>
<tr>
<td>HO01-PT</td>
<td>Type 2B</td>
<td>No</td>
<td>Not Needed</td>
<td>Not Needed</td>
</tr>
</tbody>
</table>

**Note:** A few 2005 Pilot models have been found using Type 4 and “V” Chip keys.

### 2005 PILOT (Split Year) (Honda)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
</tr>
</thead>
<tbody>
<tr>
<td>HO03-PT</td>
<td>Type 4</td>
<td>No</td>
<td>Not Needed</td>
<td>Not Needed</td>
</tr>
</tbody>
</table>

### 2003-2004 PILOT (Honda)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
</tr>
</thead>
<tbody>
<tr>
<td>HO01-PT</td>
<td>Type 2B</td>
<td>No</td>
<td>Not Needed</td>
<td>Not Needed</td>
</tr>
</tbody>
</table>

### 1997-2001 PRELUDE (Honda)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
</tr>
</thead>
<tbody>
<tr>
<td>HD106-PT</td>
<td>Type 1A</td>
<td>No</td>
<td>Not Needed</td>
<td>Not Needed</td>
</tr>
</tbody>
</table>

**Note:** See Honda Type 1 Section - for more information. Replacement Immobilizer Box may be required.
<table>
<thead>
<tr>
<th>Year</th>
<th>Model</th>
<th>Distance Code</th>
<th>OEM Prox Remote</th>
<th>Select by</th>
<th>Pin Required</th>
<th>Pin Read</th>
<th>Prox Type</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013-2016</td>
<td>RDX - Proximity (Acura)</td>
<td>ADS-193</td>
<td>Yes</td>
<td>Vehicle or A.D. Webcode</td>
<td>Required.</td>
<td>PRO Dongle</td>
<td>Check with Distributor</td>
<td>Lime Green</td>
</tr>
<tr>
<td>2007-2012</td>
<td>RDX (Acura)</td>
<td>ADS-110</td>
<td>Yes</td>
<td>Smart Card or A.D. Webcode</td>
<td>Required.</td>
<td>PRO Dongle</td>
<td>HO03-PT, Type 7 or 8</td>
<td>A-Black or SD</td>
</tr>
<tr>
<td>2017</td>
<td>Ridgeline (Honda) Proximity Type Ignitions</td>
<td>ADS-193</td>
<td>Yes</td>
<td>Smart Card or A.D. Webcode</td>
<td>Required.</td>
<td>PRO Dongle</td>
<td>OEM Prox Remote, Select by Vehicle or Accord</td>
<td>A-Black or SD</td>
</tr>
<tr>
<td>2009-2014</td>
<td>Ridgeline (Honda)</td>
<td>ADS-110</td>
<td>Yes</td>
<td>Smart Card or A.D. Webcode</td>
<td>Required.</td>
<td>PRO Dongle</td>
<td>HO03-PT, Type 11</td>
<td>Blue</td>
</tr>
<tr>
<td>2006-2008</td>
<td>Ridgeline (Honda)</td>
<td>ADS-110</td>
<td>No</td>
<td>Not Needed</td>
<td>Not Needed</td>
<td>PRO Dongle</td>
<td>HO03-PT, Type 4</td>
<td>C-Green or SD</td>
</tr>
<tr>
<td>2010-2012</td>
<td>RL (Acura) E-Key Programming</td>
<td>ADS-110</td>
<td>Yes</td>
<td>Smart Card or A.D. Webcode</td>
<td>Required.</td>
<td>PRO Dongle</td>
<td>OEM E-Key, 35111-SJA-305, Type 11</td>
<td>Blue</td>
</tr>
<tr>
<td>2005-2009</td>
<td>RL (Acura) E-Key Programming</td>
<td>ADS-110</td>
<td>No</td>
<td>Not Needed</td>
<td>Not Needed</td>
<td>PRO Dongle</td>
<td>OEM E-Key, 35111-SJA-305, Type 4</td>
<td>C-Green or SD</td>
</tr>
</tbody>
</table>

**Note:** Mechanical Ignition lock can be accessed by removing (un-snap) the Prox “Twist” Knob.
### 2007-2012 RL (Acura) Proximity Programming

<table>
<thead>
<tr>
<th>Dealer</th>
<th>ILCO System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Pro Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM PROX: 72147-SJA-A01 - Driver #1 72147-SJA-A11 - Driver #2</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Smart Card or A.D. Webcode required.</td>
<td>PRO Dongle</td>
<td>N Lime Green</td>
</tr>
</tbody>
</table>

This Table refers to the PROX (Program E-Key separately)

### 2005-2006 RL (Acura) Proximity Programming

<table>
<thead>
<tr>
<th>Dealer</th>
<th>ILCO System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Pro Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM PROX: 72147-SJA-A01 - Driver #1 72147-SJA-A11 - Driver #2</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Smart Card or A.D. Webcode required.</td>
<td>PRO Dongle</td>
<td>C Green Or SD</td>
</tr>
</tbody>
</table>

This Table refers to the PROX (Program E-Key separately)

### 2002-2004 RL (Acura)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Pro Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>HD106-PT</td>
<td>Type 1C</td>
<td>No</td>
<td>Not Needed</td>
<td>Not Needed</td>
<td>PRO Dongle</td>
</tr>
</tbody>
</table>

Note: See Honda Type 1 Section - for more information. Replacement Immobilizer Box may be required.

### 2000-2001 RL (Acura)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Pro Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>HD106-PT</td>
<td>Type 1C</td>
<td>No</td>
<td>Not Needed</td>
<td>Not Needed</td>
<td>PRO Dongle</td>
</tr>
</tbody>
</table>

Note: See Honda Type 1 Section - for more information. Replacement Immobilizer Box may be required.

### 1996-1999 RL (Acura)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Pro Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>HD106-PT</td>
<td>Type 1A</td>
<td>No</td>
<td>Not Needed</td>
<td>Not Needed</td>
<td>PRO Dongle</td>
</tr>
</tbody>
</table>

Note: See Honda Type 1 Section - for more information. Replacement Immobilizer Box may be required.

### 2014-2016 RLX (Acura) Proximity Type Ignitions

<table>
<thead>
<tr>
<th>Dealer</th>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Pro Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM PROX REMOTE Check with Distributor</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Smart Card or A.D. Webcode required.</td>
<td>PRO Dongle</td>
<td>A Black Or SD</td>
</tr>
</tbody>
</table>

### 2002-2006 RSX (Acura)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Pro Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>HD106-PT</td>
<td>Type 3</td>
<td>No</td>
<td>Not Needed</td>
<td>Not Needed</td>
<td>PRO Dongle</td>
</tr>
<tr>
<td>Year</td>
<td>Model</td>
<td>Type</td>
<td>PIN Required</td>
<td>PIN Read</td>
<td>Dongle</td>
</tr>
<tr>
<td>---------</td>
<td>-------</td>
<td>---------------</td>
<td>--------------</td>
<td>-------------------</td>
<td>--------</td>
</tr>
<tr>
<td>2008-2009</td>
<td>S2000</td>
<td>HO03-PT</td>
<td>Yes</td>
<td>Smart Card or A.D. Webcode required.</td>
<td><strong>D</strong> Blue</td>
</tr>
<tr>
<td>2006-2007</td>
<td>S2000</td>
<td>HD113-PT</td>
<td>Yes</td>
<td>Smart Card or A.D. Webcode required.</td>
<td><strong>D</strong> Blue</td>
</tr>
<tr>
<td>2004-2005</td>
<td>S2000</td>
<td>HO01-PT</td>
<td>No</td>
<td>Not Needed</td>
<td><strong>C</strong>-Green Or SD</td>
</tr>
<tr>
<td>Note: It may be necessary to use Pro Dongle A or C. Some models may use TYPE 3 System &amp; Key.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2000-2003</td>
<td>S2000</td>
<td>HD106-PT</td>
<td>No</td>
<td>Not Needed</td>
<td><strong>C</strong>-Green Or SD</td>
</tr>
<tr>
<td>Note: In some cases it may be necessary to use Pro Dongle “A” or “C”.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2009-2014</td>
<td>TL</td>
<td>HO03-PT</td>
<td>Yes</td>
<td>Smart Card or A.D. Webcode required.</td>
<td><strong>A</strong>-Black Or SD</td>
</tr>
<tr>
<td>2007-2008</td>
<td>TL</td>
<td>HO03-PT</td>
<td>Yes</td>
<td>Smart Card or A.D. Webcode required.</td>
<td><strong>D</strong> Blue</td>
</tr>
<tr>
<td>Year</td>
<td>Model</td>
<td>System</td>
<td>SMART Card PIN Required</td>
<td>PIN Read</td>
<td>Dongle Type</td>
</tr>
<tr>
<td>------------</td>
<td>---------</td>
<td>-----------------</td>
<td>-------------------------</td>
<td>---------</td>
<td>-------------</td>
</tr>
<tr>
<td>2004-2006</td>
<td>TL (Acura)</td>
<td>HD111-PT</td>
<td>No</td>
<td>Not Needed</td>
<td>C-Green Or SD</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Note:</td>
<td>Double sided key with “V” chip. NOT High Security.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1999-2003</td>
<td>TL (Acura)</td>
<td>HD106-PT</td>
<td>No</td>
<td>Not Needed</td>
<td>C-Green Or SD</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Note:</td>
<td>In some case’s it may be necessary to use Pro Dongle “A” or “C”.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2015-2016</td>
<td>TLX (Acura)</td>
<td>OEM PROX REMOTE</td>
<td>Yes</td>
<td>Smart Card or A.D. Webcode required.</td>
<td>A-Black Or SD</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Check with Distributor</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2009-2013</td>
<td>TSX (Acura)</td>
<td>HO03-PT</td>
<td>Yes</td>
<td>Smart Card or A.D. Webcode required.</td>
<td>A-Black Or SD</td>
</tr>
<tr>
<td>2007-2008</td>
<td>TSX (Acura)</td>
<td>HD111-PT</td>
<td>Yes</td>
<td>Smart Card or A.D. Webcode required.</td>
<td>D Blue</td>
</tr>
<tr>
<td>Note:</td>
<td>Double sided key with “V” chip. NOT High Security.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### 2004-2006 TSX (Acura)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>HD111-PT</td>
<td>Type 4</td>
<td>No</td>
<td>Not Needed</td>
<td>Not Needed</td>
<td>C-Green Or SD</td>
</tr>
</tbody>
</table>

**Note:** Double sided key with “V” chip. NOT High Security.

### 2010-2013 ZDX (Acura)

#### Proximity Type Ignitions

<table>
<thead>
<tr>
<th>OEM PROX REMOTE</th>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with Distributor</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Smart Card or A.D. Webcode required.</td>
<td></td>
<td></td>
<td>N Lime Green</td>
</tr>
</tbody>
</table>

### 2010-2012 ZDX (Acura)

#### Key Type Ignitions

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>HO03-PT</td>
<td>Type 13</td>
<td>Yes</td>
<td>Smart Card or A.D. Webcode required.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**READ THIS BEFORE WORKING ON ANY ACURA HONDA VEHICLES THAT MAY HAVE HAD COMPONENTS CHANGED.**

If any computer components such as PCM, Immo ring, etc. Have been replaced or swapped out. (By a body shop for example, when a new steering column has been installed.) A DEALER TOOL will be required in order to re-match components. Simply programming the keys with MVP or T-CODE will not perform the necessary matching functions!
# Type 1 Systems

**SPECIAL FUNCTIONS**

**Type 1 Systems - you must have an existing Black and Red key to do any programming.**

If the customer only has a Red or a Black key, but not both, you must replace or reflash the Immobilizer computer as pictured and program the new unit to the car with the MVP or TCODE.

This is only for TYPE 1 cars, no others require this.

All keys must be present for key programming or they will be erased during the programming procedure.

If you have 1 or more existing keys and wish to program additional new keys, the existing keys will become new again, to the vehicle, during the programming procedure and must be programmed with the other keys.

**TIPS:**

*Never* insert the Red key into the ignition unless prompted by MVP or TCODE to do so, otherwise the Immobilizer will need to be reprogrammed again.

**SYSTEM SELECTION:**

There are several different TYPE 1 varients.

Make sure to pick the correct one for the vehicle you are working on.

<table>
<thead>
<tr>
<th>ACURA</th>
<th>YEARS</th>
<th>KEYBLANK</th>
<th>SYSTEM</th>
</tr>
</thead>
<tbody>
<tr>
<td>NSX</td>
<td>1997-2004</td>
<td>HD106-PT</td>
<td>Type 1A</td>
</tr>
<tr>
<td>RL</td>
<td>2002-2004</td>
<td>HD106-PT</td>
<td>Type 1C</td>
</tr>
<tr>
<td>RL</td>
<td>2000-2001</td>
<td>HD106-PT</td>
<td>Type 1B</td>
</tr>
<tr>
<td>RL</td>
<td>1996-1999</td>
<td>HD106-PT</td>
<td>Type 1A</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HONDA</th>
<th>YEARS</th>
<th>KEYBLANK</th>
<th>SYSTEM</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRELUDE</td>
<td>1997-2002</td>
<td>HD106-PT</td>
<td>Type 1A</td>
</tr>
</tbody>
</table>

**T-CODE SOFTWARE #**

<table>
<thead>
<tr>
<th>CABLE / DONGLE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADS-110</td>
</tr>
</tbody>
</table>

**MAX # OF KEYS:**

<table>
<thead>
<tr>
<th>SMART DONGLE?</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
</tr>
</tbody>
</table>

**KEYS:**

<table>
<thead>
<tr>
<th>SECURITY:</th>
</tr>
</thead>
<tbody>
<tr>
<td>RE-USABLE</td>
</tr>
</tbody>
</table>

**COMPONENTS MATCHED?**

<table>
<thead>
<tr>
<th>IMMO BOX &amp; PCM ARE MATCHED</th>
</tr>
</thead>
<tbody>
<tr>
<td>IMMO BOX</td>
</tr>
</tbody>
</table>

**MATCHING CAPABILITY?**

<table>
<thead>
<tr>
<th>SECURITY LIGHT / THEFT INDICATOR:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light should be out at end of procedure. If theft light blinks key/keys have not been accepted. (Check transponder is correct)</td>
</tr>
</tbody>
</table>

**Below is a picture of a new Immo box and matching RED and Black keys that come with the new box when purchased from the dealer. Nowadays most locksmiths use EEPROM to set up a used box with a matching RED and Black Key but this is not something that is part of Advanced Diagnostics at this time and you will need to do your own research if you wish to find out more about this.**
Type 1 Systems

**Use this method for: ADDING keys-or when REPLACING the Immobilizer Computer**
(Must have Red & Black Keys)

**START HERE:**

Select:
+ HONDA ACURA
+ BY SYSTEM

REFER TO THE KEY LOOK UP GRID FOR PROPER SYSTEM SELECTION
Do Not Use the Red key unless prompted by the Device.

**SWITCH IGNITION ON**

**PRESS ENTER KEY**

**NOTE:** Make sure the Black key is in the ignition and turned to the “II” position (ON). Do Not Use the Red key unless prompted by the Device.

**ECU IDENTIFICATION**

HONDA IMMO. USA

**PRESS ENTER KEY**

**DIAGNOSTIC MENU**

- ECU IDENTIFICATION
- FAULT CODES
  > SPECIAL FUNCTIONS

**NOTE:** You will need to follow the Device screens precisely. You might consider turning off your cell phone and pager.

Follow the screen prompts, there may a delay in communication speed, wait until prompted again.

When programming more than 1 key - you will be prompted for the “Next” key which means the next new key.

Continue to follow the screen prompts until the programming is finished.

**DIAGNOSTIC MENU**

> PROGRAM KEYS

KEY INFORMATION

**REWRITE IMMOBILIZER**

NO. OF ORIGINAL KEYS

DO NOT INCLUDE RED LEARNING KEY

Enter number “1” - Since the Black key that came with the new immobilizer box is considered an original key as it is matched to the new immobilizer box.
NOTE: You will need to follow the Device screens precisely. You might consider turning off your cell phone.
Follow the screen prompts, there may a delay in communication speed, wait until prompted again.
When programming more than 1 key - you will be prompted for the “Next” key which means the next new key.
Continue to follow the screen prompts until the programming is finished.

REWRITE IMMOBILIZER

NUMBER OF NEW KEYS:

Enter the number of New keys to be programmed. Do not count the keys that came with the new immobilizer box. If not adding any other keys enter number “0”.

Use this method for: ADDING keys-or when REPLACING the Immobilizer Computer (Must have Red & Black Keys) - Cont’d
We have grouped these all together because they all program much the same way, with just a few important differences, listed below.

**TYPE 2, 3, 4, 7, 8, 9, 10, 11, 12, & TYPE 13**

**KEYED IGNITION SYSTEMS**

(These should be selected by system)

**SPECIAL FUNCTIONS**

**PROGRAM KEYS** - Each time programming is run all key memory is erased. Only keys used in the programming sequence are programmed into memory. Keys can be re-introduced later if left out.

Important Notice:
All keys must be present for key programming or they will be erased during the programming procedure.

If you have 1 or more existing keys and wish to program additional new keys, the existing keys will become new again, to the vehicle, during the programming procedure and must programmed with the other keys.

**T-CODE SOFTWARE #**

- ADS-110 / ADS-166
- ADS-250 / ADS-251

**CABLE / DONGLE:**

- ADC-250 / ADC-251
- USE KEY GUIDE FOR SYSTEM & DONGLE TO USE

**MAX # OF KEYS:**

- SMART DONGLE?
  - 6
  - YES

**KEYS:**

- SECURITY:
  - RE-USABLE
  - NO PIN CODES

**COMPONENTS MATCHED?**

- TYPE 2 = NO (plug and play)
- TYPE 3-13=YES, IMMO & PCM ARE MATCHED

**MATCHING CAPABILITY?**

If any components are changed a dealer tool required to re-match.

**SECURITY LIGHT / THEFT INDICATOR:**

Light should be out at end of procedure.

If theft light blinks key/keys have not been accepted. (Check transponder is correct)
If the theft light goes out but comes back on after the procedure when the ignition is turned ON this indicates a component mis-match. (check to see if anyone changed computers or changed the ignition and immo ring etc.)

**TIPS:**

Make sure to follow the screen prompts carefully. Watch for when to switch key on/off. Proceed slowly, make sure to watch for when to switch to the NEXT key.

(If programming more than one key)

**MORE INFO:**

**TYPE 2 SYSTEMS HAVE DIFFERENT VARIENTS, FOR EXAMPLE TYPE 2A & TYPE 2C.**

**IF KEYS FAIL TO PROGRAM UNDER TYPE 2A SWITCH TO TYPE 2C.**

**TYPE 7 & 8, if you get Access Denied switch from using TYPE 7 to TYPE 8 and vice versa.**

Later model cars came from the factory with Remote Head (RKE) keys. Some program in along with the transponders and some require an on board programming sequence. (See end of section for instructions)

**NOTES** about Keys:

- OEM Factory keys usually have lettering on their blades. It is important if using new factory keys that these letters match what is on the current working keys.
- For example: OEM Keys with “S” on the blade you need to use a OEM “S” key.
- OEM Keys with “L” on the blade you need to use a OEM “L” key.
- Often an aftermarket substitute is available, so be careful and use the KEY LOOK UP GUIDE.

**MAKE SURE YOU ARE USING THE CORRECT KEYS**

KEYS WITH T5 STAMPED ON BLADE ARE FOR CLONING NOT PROGRAMMING.

They cannot be used for programming.
Use this method to PROGRAM KEYS

START HERE:
Select:
+HONDA ACURA
+BY SYSTEM
REFER TO THE KEY GUIDE SECTION FOR PROPER SYSTEM SELECTION

PROGRAMMING KEYS
TOTAL KEYS REQD:
Enter the numbers keys required for programming, including any original keys.
When programming more than 1 key - you will be prompted for the “Next” key which means the next new key. Be careful not to miss this important instruction!

SWITCH IGNITION OFF

PRESS ENTER KEY

ECU IDENTIFICATION
HONDA IMMO. USA
PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

You will need to follow the Device screens precisely.

DIAGNOSTIC MENU
> PROGRAM KEYS
KEY INFORMATION

PROGRAMMING KEYS
SWITCH IGNITION ON
PRESS ENTER KEY

PROGRAMMING KEYS
SWITCH IGNITION OFF

PROGRAMMING KEYS
SWITCH IGNITION ON WITH SAME KEY

PROGRAMMING KEYS
SWITCH IGNITION OFF WITHIN 17 SEC.

PROGRAMMING KEYS
SWITCH IGNITION ON WITHIN 20 SEC. WITH SAME KEY
**WARNING**

On TYPE3 and up Honda & Acura systems:

If any computer components have been changed or replaced MATCHING by the dealer will need to be performed before ANY of the procedures shown here will work.

These procedures can only replace/program keys and cannot be used to match components.

**BEWARE IF MECHANICS HAVE CHANGED IGNITION OR OTHER COMPONENTS**

Next, A countdown of the Immobilizer system verification will go from 10 seconds to zero.

**PROGRAMMING KEYS**

IS IMMO. LIGHT OUT?

‘1’ = YES  
‘2’ = NO

**NOTE:** Check the dash to verify the Immobilizer indicator light is out.

If you have programmed the vehicle using TYPE 2A and the Green IMMO light did not go out after the 10 second wait. Try again this time with TYPE 2C.

**SOME CARS MAY BE LISTED AS TYPE 7 / 8**

On these try TYPE 7 first, if you get access denied switch to TYPE 8. One will go thru.

**PROGRAMMING KEYS**

SWITCH IGNITION OFF

**PROGRAMMING KEYS**

SWITCH IGNITION ON  
WITH SAME KEY

**KEY INFORMATION**

SYSTEM: X  
KEYS STORED: X  
TYPE: X

**PRESS ENTER KEY**

**NOTE:** At this point you are all done.

All we did really was to carefully follow the prompts on the tester watching for when to switch the ignition on and off and when to switch keys (if doing more than 1).

**TROUBLESHOOTING:**

IF THE THEFT LIGHT DOES NOT GO OUT AT THE END OF THE PROCEDURE, MOST LIKELY YOU ARE TRYING TO PROGRAM THE WRONG KEY / CHIP TYPE.

IF THE LIGHT GOES OUT AT THE END OF THE PROCEDURE BUT THEN COMES BACK ON AFTER THE FIRST TIME YOU TURN THE KEY OFF AND THEN BACK ON THIS IS USUALLY A MIS-MATCH / CHANGED COMPONENT SITUATION.

Use this method to PROGRAM KEYS - CONTINUED
Programming the Remote Head Part of Honda OEM Keys
(or vehicles it does not do automatically during Key programming)

<table>
<thead>
<tr>
<th>ON BOARD PROCEDURE</th>
<th>HELPFUL HINTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) Sit inside the vehicle with all doors closed.</td>
<td>You must complete each step within 5 seconds.</td>
</tr>
<tr>
<td>2) Insert the key and turn it to the ON position. Press the Lock button on a</td>
<td>HAVE ALL REMOTES HEAD KEYS READY, ALL PREVIOUSLY PROGRAMMED RHK ARE ERASED</td>
</tr>
<tr>
<td>unprogrammed Remote Head key.</td>
<td></td>
</tr>
<tr>
<td>3) Turn the key to the OFF position. Turn back ON the key a 2nd time and press the</td>
<td></td>
</tr>
<tr>
<td>Lock button again.</td>
<td></td>
</tr>
<tr>
<td>4) Turn the key to the OFF position. Turn back ON the key a 3rd time and press the</td>
<td></td>
</tr>
<tr>
<td>Lock button again.</td>
<td></td>
</tr>
<tr>
<td>5) Turn the key to the OFF position. Turn back ON the key a 4th time and press the</td>
<td>You must use the same Remote each of the 4 times.</td>
</tr>
<tr>
<td>Lock button again. You should now hear and see the door locks cycle once. Keep the</td>
<td></td>
</tr>
<tr>
<td>key turned ON.</td>
<td></td>
</tr>
<tr>
<td>6) Press the Lock button on each Remote Head you want to program into the vehicle.</td>
<td></td>
</tr>
<tr>
<td>You should now hear and see the door locks cycle once.</td>
<td></td>
</tr>
</tbody>
</table>

Please note: We have included this info because we want you to know what needs to be done in order to program the RKE part of factory OEM remote head keys on some models where the RKE part may not program in automatically along with the transponder key programming. Having said that, our tech support does not as a rule support on-board procedures. Please consult with a dealer source to verify correct OEM factory part numbers and or procedures if the above info does not work.

WATCH VIDEO - 2007 HONDA ACCORD REMOTE HEAD KEY PROGRAMMED BY AN EXPERT
### SPECIAL FUNCTIONS

#### TWO STEP PROCESS

**STEP 1** is to program the E-KEYS.

FIRST PROGRAM THE E-KEY E-KEY/S * then PROGRAM THE PROX PART.

**STEP 2** is program the PROX part.

*There is a ignition switch for the E-KEY under the twist knob. (twist knob must be removed to insert the E-KEYS.)

Once the PROXIMITY keys are programmed a solenoid will release the ignition whenever the PROX is inside the vehicle. When you are all done, remember to snap the turn knob back in place.

#### TIPS:

FOLLOW THE TESTER PROMPTS CAREFULLY

#### MORE INFO:

You must program at least 1 E-KEY.

If all keys are lost the first step is to cut & program E-KEY/S

This will use a token.

This first step requires the A or the D dongle (see apps guide.) and all E-KEYS you want to program should be done in one step.

**IF ALL PROX ARE LOST**

Program at least 1 PROX (up to 4 total.) This will use a 2nd token.

This requires the N dongle and all PROX you want to program should be done in this second step. The car will run with just an E-KEY but if the customer wants the PROX to work you must complete the Prox programming.

**MVP USERS:** Because Prox Keys are done in TWO separate procedures complete PROXIMITY KEYS will use at least TWO tokens.

<table>
<thead>
<tr>
<th>T-CODE SOFTWARE</th>
<th>CABLE / DONGLE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADS-193</td>
<td>ADC-250 / ADC-251</td>
</tr>
<tr>
<td>KEY LOOK UP GUIDE FOR DONGLE TO USE</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MAX # OF KEYS:</th>
<th>SMART DONGLE?</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>YES</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>KEYS:</th>
<th>SECURITY:</th>
</tr>
</thead>
<tbody>
<tr>
<td>RE-USABLE</td>
<td>NO PIN CODES</td>
</tr>
<tr>
<td>COMPONENTS MATCHED?</td>
<td>YES, COMPONENTS ARE MATCHED</td>
</tr>
<tr>
<td>MATCHING CAPABILITY?</td>
<td>NONE</td>
</tr>
</tbody>
</table>

**SECURITY LIGHT / THEFT INDICATOR:**

Light should be out at end of procedure.

If theft light blinks key/keys have not been accepted. (Check transponder is correct)

If the theft light goes out but comes back on after the procedure when the ignition is turned ON this indicates a component mismatch. (check to see if anyones changed computers or changed the ignition and immo ring etc.)
MVP User’s Notes on RL:

- You must program at least 1 E-KEY & up to 4 total. If all keys are lost the first step is to cut & program E-KEY/S

-Programming E Key/s will use a token.

-This first step requires the A or the D dongle (See KEY GUIDE SECTION.) All E-KEYS you want to Program should be done in one step.

IF ALL PROX ARE LOST -

-Program at least 1 PROX & up to 4 total.

-Programming the prox section of the key will use a 2nd token.

-Prox programming requires the N dongle and all PROX you want to program should be done in this second step.

If you just need to get the car running the car will run with just an E-KEY but if the customer wants the PROX to work you must complete the E-Key and the Prox programming.
Use the main OBD Cable
Check the application chart for correct dongle to use.

Make sure you have at least 1 programmed E-Key to use before starting RL prox programming. (You may use the same E-Key during these procedures to program in multiple Prox.)

START HERE:
Select:
+ACURA
+BY VEHICLE
+SELECT THE MODEL & YEAR YOU ARE WORKING ON

VEHICLE SELECTION
+RDX
+RSX
+RL
+TL

PRESS ENTER KEY

ECU IDENTIFICATION
ACURA RL PROXIMITY

PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
> SPECIAL FUNCTIONS

PRESS ENTER KEY

DIAGNOSTIC MENU
+BLADED
+BPROXIMITY

PRESS ENTER KEY

SWITCH IGNITION ON

PRESS ENTER KEY

AT THIS POINT YOU SHOULD HAVE A PROPERLY CUT AND PROGRAMMED E-KEY INSERTED IN THE IGNITION IF YOU DO NOT HAVE A PROGRAMMED E-KEY YOU MUST PROGRAM ONE FIRST.

SEE THE KEY LOOK UP GRID FOR SYSTEM AND DONGLE FOR THAT

SWITCH THE IGNITION ON

PRESS ENTER KEY

AT THIS POINT YOU SHOULD HAVE A PROPERLY CUT AND PROGRAMMED E-KEY INSERTED IN THE IGNITION IF YOU DO NOT HAVE A PROGRAMMED E-KEY YOU MUST PROGRAM ONE FIRST.

SEE THE KEY LOOK UP GRID FOR SYSTEM AND DONGLE FOR THAT
Before programming it's a good idea to look at "keys programmed" this will display how many proximity keys are currently programmed.

Diagnostic menu

- Keys programmed
- Program lost keys
- Add proximity keys

Press enter key

In this example we can see that there are currently 2 proximity keys programmed.

Keys programmed

Proximity keys: 2

Press enter key

> Program lost keys will erase all currently programmed proximity keys and will program 1 proximity key into the system.

Lost key programming

This procedure programs one proximity key from a lost key situation. Switch ignition on using a e-key. Ensure that only one new proximity key is in the vehicle.

Press enter key

The ignition should be switched on with a properly cut and programmed e-key. There should be only 1 proximity key that you want to program inside the vehicle. (place it near the center console) using a prox key that is already programmed is ok if you want to erase all others.

Lost key programming

Please wait

Adding proximity key

Please wait

Gaining access
Use this method to PROGRAM PROX (Use when ALL PROX lost)

**RL PROX - TWIST KNOB SYSTEM**

**LOST KEY PROGRAMMING**

SWITCH IGNITION OFF.
REMOVE E-KEY FROM IGNITION.

PRESS ENTER KEY

**LOST KEY PROGRAMMING**

TEST PROXIMITY KEY.
SWITCH IGNITION ON WITHOUT USING A BLADED KEY.
IF FAILED THEN RETRY PROCEDURE.

PRESS ENTER KEY

**LOST KEY PROGRAMMING**

PROCEDURE COMPLETE

PRESS ENTER KEY

YOU CAN NOW SNAP THE REMOVABLE TWIST KNOB BACK INTO PLACE.....
TEST THE OPERATION OF ALL PROX REMOTES!

ALSO IT’S A GOOD IDEA TO HAVE A LOOK AT “KEYS PROGRAMMED” (SEE BELOW)

**KEYS PROGRAMMED**

PROXIMITY KEYS : 1

PRESS ENTER KEY

**STAY CONNECTED & PROCEED TO ADD PROX IF YOU WANT TO PROGRAM ADDITIONAL PROX AT THIS TIME.....**
THIS FUNCTION WILL ADD A PROXIMITY KEY.
YOU NEED AT LEAST 1 ALREADY PROGRAMMED PROXIMITY KEY TO PERFORM THIS PROCEDURE.
IT’S A GOOD IDEA TO LABEL THE PROXIMITY KEYS SO THAT YOU CAN KEEP TRACK OF WHICH ONE YOU HAVE AT ANY TIME AND AVOID MIXING THEM UP DURING THIS PROCEDURE.

REMOVE ALL PROXIMITY KEYS FROM THE VEHICLE!
MAKE SURE THEY ARE OUT OF RANGE (AT LEAST 10 FEET AWAY FROM THE CAR)

ADD PROXIMITY KEY
REMOVE ALL KEYS FROM THE VEHICLE. (AT LEAST 10 FEET AWAY) WITHIN 100 SECONDS.

PRESS ENTER KEY

WITH 1 PROGRAMMED PROXIMITY KEY INSIDE THE VEHICLE SWITCH THE IGNITION ON BY USING THE TURN KNOB. (DO NOT INSERT THE E-KEY)
MAKE SURE ALL OTHER PROXIMITY KEYS ARE OUT OF RANGE (AT LEAST 10 FEET AWAY FROM THE CAR).

NOW BRING JUST THE PROXIMITY KEY YOU WANT TO ADD INTO THE VEHICLE.
KEEP ALL OTHERS OUT OF RANGE!

ADD PROXIMITY KEY
ENSURE ONLY THE REGISTERED PROXIMITY KEY IS IN THE VEHICLE. ENSURE THAT ALL OTHER KEYS ARE AT LEAST 10 FEET AWAY.
SWITCH IGNITION ON WITHOUT A BLADED KEY.

PRESS ENTER KEY

ADD PROXIMITY KEY
PLEASE WAIT
GAINING ACCESS

PRESS ENTER KEY

ADD PROXIMITY KEY
PLEASE WAIT
ADDING PROXIMITY KEY

PRESS ENTER KEY

ADD PROXIMITY KEY
PLEASE WAIT
GAINING ACCESS

PRESS ENTER KEY

ADD PROXIMITY KEY
PLEASE WAIT
ADDING PROXIMITY KEY

PRESS ENTER KEY

ADD PROXIMITY KEY
PLEASE WAIT
GAINING ACCESS

PRESS ENTER KEY
ADD PROXIMITY KEY

TEST NEW PROXIMITY KEY. REMOVE THE ORIGINAL KEY FROM THE VEHICLE AND SWITCH IGNITION ON. IF FAILED RETRY PROCEDURE.

PRESS ENTER KEY

TEST THE OPERATION OF ALL PROX REMOTES!

ALSO IT’S A GOOD IDEA TO HAVE A LOOK AT “KEYS PROGRAMMED” (SEE BELOW)

STAY CONNECTED & PROCEED TO ADD PROX IF YOU WANT TO PROGRAM ADDITIONAL PROX AT THIS TIME.....

DIAGNOSTIC MENU

> KEYS PROGRAMMED

PROGRAM LOST KEYS
ADD PROXIMITY KEYS

PRESS ENTER KEY

KEYS PROGRAMMED

PROXIMITY KEYS : 2

PRESS ENTER KEY
TL PROX  
(SELECTED BY VEHICLE)  
WITH PROGRAMMING SLOT

SPECIAL FUNCTIONS

GUIDED SYSTEM - Meaning the PRO will ask if you have working PROX available etc. and walk / guide you thru the programming.

Be patient and careful it's a LONG PROCEDURE

CAREFULLY FOLLOW THE SCREEN PROMPTS!

BOTH ADD or ERASE IS AVAILABLE

T-CODE SOFTWARE # | CABLE / DONGLE:
--- | ---
ADS-193 | ADC-250 / ADC- 251
N (LIME GREEN) DONGLE

MAX # OF KEYS: | SMART DONGLE?
--- | ---
6 | NO

KEYS: | SECURITY:
--- | ---
RE-USABLE | NO PIN CODES
COMPONENTS MATCHED?
COMPONENTS ARE MATCHED
MATCHING CAPABILITY?
NONE

SECURITY LIGHT / THEFT INDICATOR:

Light should be out at end of procedure.
If theft light blinks key/keys have not been accepted. (Check transponder is correct)
If the theft light goes out but comes back on after the procedure when the ignition is turned ON this indicates a component mis-match. (check to see if anyone's changed computers or changed the ignition and immo ring etc.)

TIPS:

Make sure to follow the screen prompts carefully. Watch for when to switch the ignition on/off.
Make sure the ignition is switched ON & OFF properly.
ON is TWO pushes on the start/stop button. 1 push only goes to accessory.
Proceed slowly, make sure to watch for when to switch to the NEXT key.
(If programming more than one key)
Make sure to take the keys outside the range of the car (when requested) this means at least 15-20 feet away.

MORE INFO:

THIS SYSTEM USES A “PUSHBUTTON” PROX IGNITION WITH A PROGRAMMING SLOT.
PROGRAMMING SLOT.
Use this method to PROGRAM 1 PROX & ERASE ALL others

START HERE:

Select:

+ACURA
+BY VEHICLE
+SELECT THE MODEL & YEAR YOU ARE WORKING ON

NOTE:
If you have a working PROX at this point you may skip some of the steps ahead by selecting YES.

VEHICLE SELECTION

+RDX
+RSX
+RL
+TL

PRESS ENTER KEY

FORCE IGNITION

PRESS AND HOLD THE START /STOP BUTTON WITHIN 30 SECONDS

WAIT UNTIL DASHBOARD LIGHTS
*****
GAINING ACCESS
****
SUCCESSFUL

RELEASE START/STOP BUTTON

ECU IDENTIFICATION

PLEASE WAIT
*****

NOTE:
If you have a working PROX at this point you may skip some of the steps ahead by selecting YES.

VEHICLE SELECTION

+BLADED
+PROXIMITY

PRESS ENTER KEY

IGNITION SHOULD BE OFF

PRESS ENTER KEY

PROGRAM PROX

DO YOU HAVE A WORKING PROXIMITY KEY AVAILABLE ?

X

✓
TL PROX SYSTEM WITH PROGRAMMING SLOT

Use this method to PROGRAM 1 PROX & ERASE ALL others

ECU IDENTIFICATION

PROXIMITY KEYS STORED : 02
SLOT KEYS STORED : 02

PRESS ENTER KEY

REGISTER PROX KEY

SWITCH IGNITION OFF

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
> SPECIAL FUNCTIONS

PRESS ENTER KEY

DIAGNOSTIC MENU

> REGISTER PROX KEY

PRESS ENTER KEY

PROGRAM PROX

DO YOU HAVE A WORKING PROXIMITY KEY AVAILABLE ?

X

NOTE:
If you have a working PROX at this point you may skip some of the steps ahead by selecting YES.

force ignition

PRESS AND HOLD THE START /STOP BUTTON WITHIN 30 SECONDS

force ignition

WAIT UNTIL DASHBOARD LIGHTS
*** ***
GAINING ACCESS
****
SUCCESSFUL

force ignition

RELEASE START/STOP BUTTON

Make sure there is only 1 PROX in the vehicle at this time.
Make sure to remove ALL others and make sure they are out of range.
Use this method to PROGRAM 1 PROX & ERASE ALL others

Register Prox. Key

Ensure that only one un-registered proximity key is in the vehicle, and that all other keys are at least 10 feet away from the car.

Press enter key

Register Prox. Key

Please wait

********

Gaining access

Register Prox. Key

Please wait

********

********

Register Prox. Key

Switch ignition off

Within 20 Sec.

Register Prox. Key

Switch ignition on

Within 20 Sec.

Register Prox. Key

Does the proximity / immobiliser light go off?

Register Prox. Key

Switch ignition off

Within 20 Sec.

The Prox should be inside the vehicle. Do not insert the proximity remote even if a proximity slot is available.

Dash Immo light should be off. Not blinking..... If immo light is blinking there may be a problem with the Prox key.

It's worth mentioning that it takes 2 pushes on the start button to turn the ignition to “on” 1 push only goes to accessory.
TL PROX SYSTEM WITH PROGRAMMING SLOT

Use this method to PROGRAM 1 PROX & ERASE ALL others

REGISTER PROX. KEY

SWITCH IGNITION OFF
WITHIN 20 Sec.

REGISTER PROX. KEY

SWITCH IGNITION ON
WITHIN 20 Sec.

REGISTER PROX. KEY

SWITCH IGNITION ON
GAINING ACCESS

REGISTER PROX. KEY

SWITCH IGNITION OFF
WITHIN 20 Sec.

IS THERE A PROX SLOT BELOW THE START / STOP BUTTON ON THIS VEHICLE?

X

ANSWER = YES
IF THERE IS A SLOT BELOW THE START / STOP BUTTON

At this point the 1st. part of the registration process has been completed and you are ALMOST FINISHED!

Continue to follow the remaining steps to program the PROX into the SLOT MODULE.
INSERT THE PROXIMITY KEY INTO THE PROGRAMMING SLOT

PRESS ENTER KEY

PLEASE WAIT

SWITCH IGNITION OFF
WITHIN 20 Sec.

SWITCH IGNITION ON
WITHIN 20 Sec.

DOES THE PROXIMITY / IMMOBILISER LIGHT GO OFF?

Dash Immo light should be OFF. NOT BLINKING..... If immo light is blinking there may be a problem with the PROX key.

PROXIMITY KEYS STORED : 01
SLOT KEYS STORED : 01

PRESS ENTER KEY
1 Proximity Key is registered as a PROX.

1 Proximity Keys is also registered into the SLOT module.

Remove the Prox from the slot and check that the remote RKE buttons are working properly....

REGISTER PROX. KEY

CHECK PROXIMITY REMOTE LOCKS / UNLOCKS THE VEHICLE

PRESS ENTER KEY

REGISTER PROX. KEY

DO YOU WANT TO PROGRAM MORE PROXIMITY KEYS ?

X

STOP NOW IF YOU ARE DONE....

OR

PRESS THE CHECK MARK TO CONTINUE IF YOU HAVE ADDITIONAL PROX KEYS TO PROGRAM.
TL PROX SYSTEM WITH PROGRAMMING SLOT

Use this method to ADD PROX (Must have 1 working PROX)

REGISTER PROX KEY

> REGISTER PROX KEY

PRESS ENTER KEY

You MUST already have a working Proximity key to use ADD PROX.

Answer YES by selecting the CHECK MARK.

REGISTER PROX KEY

DO YOU HAVE A WORKING PROXIMITY KEYS ?

X ✓

REGISTER PROX KEY

DO YOU WANT TO ERASE EXISTING PROXIMITY KEY ?

X ✓

Do not select that you want to erase because we are adding PROX here

SELECT “NO” BY PRESSING THE CHECK MARK.

REGISTER PROX KEY

WITH 1 PROGRAMMED PROXIMITY KEY INSIDE THE VEHICLE SWITCH THE IGNITION ON.

MAKE SURE ALL OTHER PROXIMITY KEYS ARE OUT OF RANGE (AT LEAST 10 FEET AWAY FROM THE CAR).

REGISTER PROX KEY

ENSURE ONLY THE REGISTERED PROXIMITY KEY IS IN THE VEHICLE.

ENSURE THAT ALL OTHER KEYS ARE AT LEAST 10 FEET AWAY.

PRESS ENTER KEY

REGISTER PROX. KEY

SWITCH IGNITION ON

WITHIN 20 Sec.

REGISTER PROX. KEY

PLEASE WAIT

*****

GAINING ACCESS

REGISTER PROX. KEY

REMOVE ALL KEYS FROM THE VEHICLE. (AT LEAST 10 FEET AWAY FROM THE CAR.) WITHIN 100 SECONDS.

PRESS ENTER KEY
MAKE SURE ALL KEYS ARE OUT OF RANGE BEFORE PRESSING ENTER.

REGISTER PROX. KEY

BRING ONLY THE UN-REGISTERED KEY INTO THE VEHICLE WITHIN 40 SECONDS. ENSURE THAT ALL OTHER KEYS ARE AT LEAST 10 FEET AWAY FROM THE VEHICLE.

PRESS ENTER KEY

BRING THE PROX THAT YOU WANT TO ADD INTO THE VEHICLE NOW. Make sure to remove ALL others and make sure they are out of range.

REGISTER PROX. KEY

PLEASE WAIT

*******************************************************************************

*******************************************************************************

PRESS ENTER KEY

SWITCH IGNITION ON WITHIN 20 Sec.

REGISTER PROX. KEY

DOES THE PROXIMITY / IMMOBILISER LIGHT GO OFF?

X

REGISTER PROX. KEY

SWITCH IGNITION OFF WITHIN 20 Sec.

Dash Immo light should be OFF. NOT BLINKING..... If immo light is blinking there may be a problem with the PROX key.
Use this method to ADD PROX (Must have 1 working PROX)

**Register Prox. Key**

**Switch Ignition Off**

Within 20 Sec.

**Register Prox. Key**

**Switch Ignition On**

Within 20 Sec.

**Register Prox. Key**

Is there a Prox slot below the start / stop button on this vehicle?

X  ✓

Answer = Yes

If there is a slot below the start / stop button

✓

Place the Prox key you are adding into the programming slot...

It’s ok if other Prox are inside the car at this point

**Register Prox. Key**

Remove the registered proximity key from the programming slot.

Press enter key

**Register Prox. Key**

Insert the un-registered proximity key into the programming slot.

Press enter key

**Register Prox. Key**

Insert the registered proximity key into the programming slot.

Press enter key

**Register Prox. Key**

Switch Ignition off

Within 20 Sec.
Use this method to ADD PROX (Must have 1 working PROX)

REGISTER PROX. KEY

SWITCH IGNITION ON
WITHIN 20 Sec.

REGISTER PROX. KEY

SWITCH IGNITION OFF
WITHIN 20 Sec.

REGISTER PROX. KEY

DOES THE PROXIMITY / IMMOBILISER LIGHT GO OFF ?

X ✔

REGISTER PROX. KEY

SWITCH IGNITION ON
WITHIN 20 Sec.

REGISTER PROX. KEY

SWITCH IGNITION OFF
WITHIN 20 Sec.

REGISTER PROX. KEY

ECU IDENTIFICATION

PROXIMITY KEYS STORED : 02
SLOT KEYS STORED : 02

PRESS ENTER KEY

REGISTER PROX. KEY

CHECK PROXIMITY REMOTE LOCKS / UNLOCKS THE VEHICLE

PRESS ENTER KEY

REGISTER PROX. KEY

DO YOU WANT TO PROGRAM MORE PROXIMITY KEYS ?

X ✔

STOP NOW IF YOU ARE DONE...
ILX / ZDX ("PUSH to START" without PROGRAMMING SLOT)

**THE 2013 ILX & ZDX ARE ALMOST EXACTLY THE SAME AS THE TL SYSTEM SHOWN IN THE PREVIOUS SECTION.**

EXCEPT THEY DO NOT HAVE A PROGRAMMING SLOT!! EVERYTHING ELSE IS THE SAME & THE PROCEDURE VARIES ONLY SLIGHTLY FROM THE TL.

WHEN INSTRUCTED HOLD THE PROXIMITY KEY UP TO THE START/STOP BUTTON FOLLOW THE PROMPTS ON THE TESTER AND MAKE SURE TO FOLLOW THEM CAREFULLY. THE SCREENS WILL INSTRUCT YOU WHAT TO DO & WHEN.

**REGISTER PROX. KEY**

<table>
<thead>
<tr>
<th>IS THERE A PROX SLOT BELOW THE START / STOP BUTTON ON THIS VEHICLE?</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
</tr>
</tbody>
</table>

**REGISTER PROX. KEY**

<table>
<thead>
<tr>
<th>HOLD THE PROX KEY UP TO THE START/STOP BUTTON.</th>
</tr>
</thead>
</table>

**PRESS ENTER KEY**

**HOLD THE PROX UP TO THE BUTTON WHEN INSTRUCTED**

**DO NOT PRESS THE BUTTON, JUST HOLD IT UP WHENEVER PROMPTED**

**Varient of the TL System**
ACCORD PROX
(SELECTED BY VEHICLE)

SPECIAL FUNCTIONS

GUIDED SYSTEM - Meaning the PRO will ask if you have working PROX available etc. The software will 'walk & guide' you thru the programming.

Be patient and careful it’s a LONG PROCEDURE

CAREFULLY FOLLOW THE SCREEN PROMPTS!
(Working carefully it should take an average of about 6 minutes.)

BOTH ADD or ERASE ARE AVAILABLE.

TIPS:

Make sure to follow the screen prompts carefully. Watch for when to switch the ignition on/off.

Make sure the ignition is switched ON & OFF properly.

ON is TWO pushes on the start/stop button. 1 push only goes to accessory.

Proceed slowly, make sure to watch for when to switch to the NEXT key.
(If programming more than one key)

Make sure to take the keys outside the range of the car (when requested) this means at least 15-20 feet away.

MORE INFO:

THE 2013 ACCORD SYSTEM IS VERY SIMILAR TO THE 2013 ILX . LIKE ILX, ACCORD PROX VEHICLES DO NOT HAVE A PROGRAMMING SLOT.

THE PROGRAMMING PROCEDURE IS SIMPLIFIED FROM THAT OF THE ILX IN THAT THERE IS NO SECOND STEP NEEDED TO REGISTER THE PROX INTO THE SLOT MODULE.

WHEN INSTRUCTED HOLD THE PROXIMITY KEY UP TO THE START/STOP BUTTON

FOLLOW THE PROMPTS ON THE TESTER AND MAKE SURE TO FOLLOW THEM CAREFULLY.

THE SCREENS WILL INSTRUCT YOU WHAT TO DO & WHEN.

ONE TIP THAT APPLIES TO ALL HONDA ACURA PROX CARS IS THAT IT TAKES A 2ND PRESS TO TURN THE IGNITION TO THE ON POSITION

1 PRESS = ACCESSORY & 2ND PRESS = IGNITION ON
**ACCORD PROX SYSTEM**

*Use this method to PROGRAM 1 PROX & ERASE ALL others*

### START HERE:

**Select:**
- +ACURA
- +BY VEHICLE
- +SELECT THE MODEL & YEAR YOU ARE WORKING ON

### VEHICLE SELECTION

- +BLADED
- +PROXIMITY

### PRESS ENTER KEY

**IGNITION SHOULD BE OFF**

### PROGRAM PROX

**Do you have a working PROXIMITY KEY AVAILABLE?**

- \( \times \)
- \( \checkmark \)

*Answer YES by selecting the CHECK MARK*

*Answer NO by selecting the X.*

If you have a working PROX at this point you will skip some of the steps ahead......

### FORCE IGNITION

**PRESS AND HOLD THE START/STOP BUTTON WITHIN 30 SECONDS**

### FORCE IGNITION

**WAIT UNTIL DASHBOARD LIGHTS**

**GAINING ACCESS***

**SUCCESSFUL***

### FORCE IGNITION

**RELEASE START/STOP BUTTON**

### ECU IDENTIFICATION

**PLEASE WAIT**

**SUCCESSFUL***

### ECU IDENTIFICATION

**PROXIMITY KEYS STORED : 01**

### PRESS ENTER KEY
DO YOU HAVE A WORKING PROXIMITY KEY AVAILABLE?

Answer NO by selecting the X.

If you have a working PROX at this point you will skip some of the steps ahead......

FORCE IGNITION
PRESS AND HOLD THE START /STOP BUTTON WITHIN 30 SECONDS

FORCE IGNITION
WAIT UNTIL DASHBOARD LIGHTS
GAINING ACCESS
SUCCESSFUL

FORCE IGNITION
RELEASE START/STOP BUTTON

REGISTER PROX. KEY
ENSURE THAT ONLY ONE UN-REGISTERED PROXIMITY KEY IS IN THE VEHICLE. AND THAT ALL OTHER KEYS ARE AT LEAST 10 FEET AWAY FROM THE CAR.

PRESS ENTER KEY

REGISTER PROX KEY
SWITCH IGNITION OFF

PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
> SPECIAL FUNCTIONS

PRESS ENTER KEY

DIAGNOSTIC MENU
> REGISTER PROX KEY

PRESS ENTER KEY

PROGRAM PROX
DO YOU HAVE A WORKING PROXIMITY KEY AVAILABLE?

X ✔

Make sure there is only 1 PROX in the vehicle at this time.
Make sure to remove ALL others and make sure they are out of range.
There is no slot or slot procedure on the Accord Prox system vehicles.

Register Prox. Key

Do not insert the proximity remote even if a proximity slot is available.

Press enter key.

Dash Immo light should be off. Not blinking..... If immo light is blinking there may be a problem with the Prox key.

Register Prox. Key

Does the proximity / immobiliser light go off?

X  ✔

Register Prox. Key

Switch ignition on within 20 sec.

Register Prox. Key

Switch ignition off within 20 sec.

Register Prox. Key

Switch ignition on within 20 sec.

Register Prox. Key

Switch ignition off within 20 sec.

Register Prox. Key

Switch ignition on within 20 sec.
ECU IDENTIFICATION

PROXIMITY KEYS STORED : 01

PRESS ENTER KEY

REGISTER PROX. KEY

CHECK PROXIMITY REMOTE LOCKS / UNLOCKS THE VEHICLE

PRESS ENTER KEY

REGISTER PROX. KEY

DO YOU WANT TO PROGRAM MORE PROXIMITY KEYS ?

X  

STOP NOW IF YOU ARE DONE....

OR

PRESS THE CHECK MARK TO CONTINUE IF YOU HAVE ADDITIONAL PROX KEYS TO PROGRAM.
ACCORD PROX SYSTEM

**Use this method to ADD PROX** (Must have 1 working PROX)

You MUST already have a working proximity key to ADD Prox.

Answer YES by selecting the CHECK MARK.

WITH 1 PROGRAMMED PROXIMITY KEY INSIDE THE VEHICLE SWITCH THE IGTION ON.

MAKE SURE ALL OTHER PROXIMITY KEYS ARE OUT OF RANGE (AT LEAST 10 FEET AWAY FROM THE CAR).

You MUST have one now so select YES

**Remember since we are ADDING a PROX:** MAKE SURE TO SELECT NO HERE!
BRING THE PROX THAT YOU WANT TO ADD INTO THE VEHICLE NOW. Make sure to remove ALL others and make sure they are out of range.

REGISTER PROX. KEY
BRING ONLY THE UN-REGISTERED KEY INTO THE VEHICLE WITHIN 40 SECONDS. ENSURE THAT ALL OTHER KEYS ARE AT LEAST 10 FEET AWAY FROM THE VEHICLE.

PRESS ENTER KEY

REGISTER PROX KEY
PLEASE WAIT

* * * * * * * * * * * *
* * * * * * * * * * * *
* * * * * * * * * *

REGISTER PROX. KEY
SWITCH IGNITION OFF WITHIN 20 Sec.

DO NOT INSERT THE PROXIMITY REMOTE EVEN IF A PROXIMITY SLOT IS AVAILABLE

PRESS ENTER KEY

THERE IS NO SLOT OR SLOT PROCEDURE ON THE Accord PROX SYSTEM VEHICLES

REGISTER PROX. KEY
SWITCH IGNITION ON WITHIN 20 Sec.

DOES THE PROXIMITY / IMMOBILISER LIGHT GO OFF ?

X ✔

Dash Immo light should be OFF. NOT BLINKING..... If immo light is blinking there may be a problem with the PROX key.

REGISTER PROX. KEY
SWITCH IGNITION OFF WITHIN 20 Sec.
ACCORD PROX SYSTEM

Use this method to ADD PROX (Must have 1 working PROX) - Cont'd

1. SWITCH IGNITION ON WITHIN 20 Sec.
2. ECU IDENTIFICATION
   - PROXIMITY KEYS STORED: 02
   - PRESS ENTER KEY
3. REGISTER PROX. KEY
   - CHECK PROXIMITY REMOTE LOCKS / UNLOCKS THE VEHICLE
   - PRESS ENTER KEY
4. REGISTER PROX. KEY
   - DO YOU WANT TO PROGRAM MORE PROXIMITY KEYS?

STOP NOW IF YOU ARE DONE PRESS THE ✗
OR
PRESS THE CHECK MARK TO CONTINUE IF YOU HAVE ADDITIONAL PROX KEYS TO PROGRAM.
AUDI
&
VOLKSWAGEN
SECTION

T-CODE SOFTWARE PACKS:

Audi & VW Basic (ADS-115)

Audi & Volkswagen CAN (ADS-146)

Volkswagen 2013-14 (ADS-219)

ADC-219 VAG Instrument Reset Cable

(Software names generally refer to the date of release on the T-CODE not the years of vehicles covered.)
<table>
<thead>
<tr>
<th>Year</th>
<th>Model</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>2002-2005</td>
<td>A4 (AUDI)</td>
<td>ads-146</td>
<td>ILCO</td>
<td>HU66T6</td>
<td>Yes</td>
<td>Yes</td>
<td>PRO Dongle</td>
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<td>VAG IMMO</td>
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<td>A-Black Or SD</td>
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<td>Note:</td>
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<td>2005 is a split year</td>
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<td>2001-2004</td>
<td>A6 / S6 (AUDI)</td>
<td>ads-115</td>
<td>ILCO</td>
<td>HU66T6</td>
<td>Yes</td>
<td>Yes</td>
<td>PRO Dongle</td>
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<td>VAG IMMO</td>
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<td>Use VW Beetle BDC</td>
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<td>Note:</td>
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<td>For PIN read use VW Beetle BDC on 2.7 engine or VW Touareg BAA on 3.0 engines.</td>
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<tr>
<td>2001 A8 / S8 (AUDI)</td>
<td>ads-115</td>
<td></td>
<td>ILCO</td>
<td>HU66T6</td>
<td>Yes</td>
<td>Yes</td>
<td>PRO Dongle</td>
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<td>Note:</td>
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<td>2005 is a split year</td>
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<tr>
<td>2012-2014</td>
<td>BEETLE (VOLKSWAGEN) with Keyed Ignition</td>
<td>ads-219</td>
<td>ILCO</td>
<td>HU66T24</td>
<td>Yes</td>
<td>No PIN Needed</td>
<td>PRO Dongle</td>
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<td></td>
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<td>UDS SYSTEM</td>
<td>UDS SYSTEM</td>
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<td>Not Needed</td>
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<tr>
<td>Note:</td>
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<td></td>
<td>A virgin key (chip) is required, it can be OEM key or an aftermarket key, as long as it is fresh, never used before and in an un-locked condition. OEM remote programming is also supported. (see instructions)</td>
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<tr>
<td>2006-2010</td>
<td>BEETLE (VOLKSWAGEN)</td>
<td>ads-146</td>
<td>Dealer Key ordered by VIN after mid 2006 or use ADC-222 and Smart Aerial to Precode transponder.</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Yes</td>
<td>PRO Dongle</td>
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<td>System</td>
<td>VAG IMMO</td>
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<td>PIN Read</td>
<td>By Engine Code</td>
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<td>Gas engines use BPR</td>
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<td>Note:</td>
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<td>2006 Might require Pre-Coding 2007-2010 will require Pre Coding.</td>
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<td>2000-2005</td>
<td>BEETLE (VOLKSWAGEN)</td>
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<td>Use VW Beetle BDC</td>
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<td>A-Black Or SD</td>
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<tr>
<td>Note:</td>
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<td></td>
<td>For years ‘00-’01 with gas engines use MM5. For ’02-’04 use Beetle BDC. For ’05 use MM5 Beetle 2005+ Type 2.</td>
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</tbody>
</table>
# Advanced Diagnostics USA Manual for MVP & T-CODE

**AUDI & VW**

## 2000-2002 CABRIO (VOlkSWAGEn)

<table>
<thead>
<tr>
<th>DEALER SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer, key varies with VIN</td>
<td>VAG IMMO TYPE 1 VPW</td>
<td>Yes</td>
<td>Yes</td>
<td>NO PIN READ by OBD see note</td>
</tr>
</tbody>
</table>

**A-Black Or SD**

PIN CANNOT BE READ VIA OBD. Read PIN from IMMO box using EEPROM if you have this capability.

## 2007-2008 EOS (VOlkSWAGEn)

<table>
<thead>
<tr>
<th>ILCO SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer Key ordered by VIN</td>
<td>VAG IMMO CAN 1</td>
<td>Yes</td>
<td>Yes</td>
<td>By Engine Code</td>
</tr>
</tbody>
</table>

**A-Black Or SD**

**Note:** Transponder pre-coding can be read on most but not all engine codes.

## 2001-2004 EUROVAN (VOlkSWAGEn)

<table>
<thead>
<tr>
<th>DEALER SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer, key varies with VIN</td>
<td>VAG IMMO TYPE 1 VPW</td>
<td>Yes</td>
<td>Yes</td>
<td>NO PIN READ by OBD see note</td>
</tr>
</tbody>
</table>

**A-Black Or SD**

PIN CANNOT BE READ VIA OBD. Read PIN from IMMO box using EEPROM if you have this capability.

## 2010-2012 GOLF / GTI (VOlkSWAGEn)

<table>
<thead>
<tr>
<th>ILCO SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>HU66T24 UDS SYSTEM VDO DASH</td>
<td>Yes</td>
<td>No PIN Needed</td>
<td>Not Needed</td>
<td><strong>A-Black Or SD</strong></td>
</tr>
</tbody>
</table>

**Note:** A virgin key (chip) is required, it can be OEM key or an aftermarket key, as long as it is fresh, never used before and in an un-locked condition. OEM remote programming is also supported. (see instructions)
<table>
<thead>
<tr>
<th>Model Year</th>
<th>Model</th>
<th>Type</th>
<th>AD System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>2002-2004 GOLF (VOLKSWAGEN)</td>
<td>HU66T6</td>
<td>VAG IMMO TYPE 2 VPW</td>
<td>Yes</td>
<td>Yes</td>
<td>4-Digit PIN</td>
<td>A-Black or SD</td>
<td></td>
</tr>
<tr>
<td>2006-2008 GOLF / RABBIT (VOLKSWAGEN)</td>
<td>Early 2006 - HU66T24 Mid 06-08 Dealer Key ordered by VIN</td>
<td>VAG IMMO CAN 1</td>
<td>Yes</td>
<td>Yes</td>
<td>5-Digit PIN</td>
<td>A-Black or SD</td>
<td></td>
</tr>
<tr>
<td>2000-2001 GOLF (VOLKSWAGEN)</td>
<td>HU66T6</td>
<td>VAG IMMO TYPE 2 VPW</td>
<td>Yes</td>
<td>Yes</td>
<td>4-Digit PIN</td>
<td>A-Black or SD</td>
<td></td>
</tr>
<tr>
<td>2010-2012 JETTA (VOLKSWAGEN) WITH KEYED IGNITION</td>
<td>HU66T24</td>
<td>UDS SYSTEM VDO DASH</td>
<td>Yes</td>
<td>NO</td>
<td>Not Needed</td>
<td>A-Black or SD</td>
<td></td>
</tr>
<tr>
<td>2009 JETTA (VOLKSWAGEN)</td>
<td>HU66T24</td>
<td>Select Beta Auto Detect Immo</td>
<td>Yes</td>
<td>Yes</td>
<td>Use CCTA as Engine Code gas engines</td>
<td>A-Black or SD</td>
<td></td>
</tr>
<tr>
<td>2006-2008 JETTA (VOLKSWAGEN)</td>
<td>Early 2006 - HU66T24 Mid 06-08 Dealer Key ordered by VIN</td>
<td>VAG IMMO CAN 1</td>
<td>Yes</td>
<td>Yes</td>
<td>5-Digit PIN</td>
<td>A-Black or SD</td>
<td></td>
</tr>
</tbody>
</table>

Note: Use Beetle BDC for gas engines.

**Only Spare Key Programming is possible. Cannot be used if no working key is available.**

Note: A virgin key (chip) is required, it can be OEM key or an aftermarket key, as long as it is fresh, never used before and in an unlocked condition. OEM remote programming is also supported. (see instructions)

Note: A virgin key (chip) is required, it can be OEM key or an aftermarket key, as long as it is fresh, never used before and in an unlocked condition. OEM remote programming is also supported. Select Auto Detect Remotes.
### 2005 Jetta (Volkswagen) Newer Body Style

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>HU66T24</td>
<td>VAG IMMO CAN 1</td>
<td>Yes</td>
<td>Yes</td>
<td>By Engine Code</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

**Note:** For 05 see what system communicates before cutting key.

### 2005 Jetta (Volkswagen) Older Body Style

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>HU66T6</td>
<td>VAG IMMO Type 2 VPW</td>
<td>Yes</td>
<td>Yes</td>
<td>Use 1J/1E Auto (Cluster)</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

**Note:** If your not sure if it’s the old or newer body style, try and comm under VAG Immo Type 2. If Vag Immo Type 2 Communicates it’s the old body style.

### 2002-2004 Jetta (Volkswagen)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>HU66T6</td>
<td>VAG IMMO Type 2 VPW</td>
<td>Yes</td>
<td>Yes</td>
<td>By Engine Code See Note</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

**Note:** Use Beetle BDC for gas engines.

### 2000-2001 Jetta (Volkswagen)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>HU66T6</td>
<td>VAG IMMO Type 2 VPW</td>
<td>Yes</td>
<td>Yes</td>
<td>Use 1J/1E Auto (Cluster)</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

### 2011-2012 Passat (Volkswagen) with Keyed Ignition

Only Spare Key Programming is possible. Cannot be used if no working key is available.

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>HU66T24</td>
<td>UDS SYSTEM VDO DASH</td>
<td>Yes</td>
<td>No Pin Needed</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

**Note:** A virgin key (chip) is required, it can be OEM key or an aftermarket key, as long as it is fresh, never used before and in an un-locked condition. OEM remote programming is also supported. (see instructions)
### 2006-2008 Passat (Volkswagen)

<table>
<thead>
<tr>
<th>Dealer</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer Key ordered by VIN</td>
<td>VAG IMMO CAN 1</td>
<td>Yes</td>
<td>Yes</td>
<td>5-Digit PIN</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

**Note:** If no working key is available, it is difficult to read the PIN. The ECU must be powered on. This can be done carefully through the fuse box using a fuse lead.

### 2001-2005 Passat (Volkswagen)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>HU66T6</td>
<td>VAG IMMO TYPE 2 VPW</td>
<td>Yes</td>
<td>Yes</td>
<td>4-Digit PIN</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

**Note:** Try using VDO Dash Read, Beetle BDC, or Touareg BAA.

### 2006-2008 Rabbit (Volkswagen)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer Key ordered by VIN after Mid 2006</td>
<td>VAG IMMO CAN 1</td>
<td>Yes</td>
<td>Yes</td>
<td>5-Digit PIN</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

**Note:** 06-08 Transponder pre-coding can be read on most but not all engine codes. 06 may not require pre-coding.

### 2011-2015 Routan (Volkswagen)

<table>
<thead>
<tr>
<th>OEM / ILCO</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM FOBIK or use ILCO POD Key Y170-PT</td>
<td>FOBIK B</td>
<td>Yes</td>
<td>Yes</td>
<td>4-Digit PIN</td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

**Note:** This vehicle is made by Chrysler. You can use Chrysler FOBIKs or Chrysler pod key for the keys.

### 2010 Routan (Volkswagen)

<table>
<thead>
<tr>
<th>OEM / ILCO</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM FOBIK or use ILCO POD Key Y170-PT</td>
<td>FOBIK A or B</td>
<td>Yes</td>
<td>Yes</td>
<td>4-Digit PIN</td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

**Note:** This vehicle is made by Chrysler. You can use Chrysler FOBIKs or Chrysler pod key for the keys.

### 2009 Routan (Volkswagen)

<table>
<thead>
<tr>
<th>OEM / ILCO</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM FOBIK or use ILCO POD Key Y170-PT</td>
<td>FOBIK A</td>
<td>Yes</td>
<td>Yes</td>
<td>4-Digit PIN</td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

**Note:** This vehicle is made by Chrysler. You can use Chrysler FOBIKs or Chrysler pod key for the keys.
### 2002 - Mid 2005 S4 (Audi)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>HU66T6</td>
<td>VAG IMMO</td>
<td></td>
<td>Yes</td>
<td>Yes</td>
<td>By Engine Code</td>
</tr>
<tr>
<td></td>
<td>TYPE 2</td>
<td></td>
<td></td>
<td>4-Digit PIN</td>
<td>See Note</td>
</tr>
<tr>
<td></td>
<td>VPW</td>
<td></td>
<td></td>
<td></td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

**Note:** 2005 is a split year, NEWER body style vehicles CANNOT be programmed at this time. For PIN read - use VW Beetle BDC on 2.7 engine or VW Touareg BAA on 3.0 engines.

### 2004-2006 Touareg (Volkswagen)

<table>
<thead>
<tr>
<th>Dealer</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Select by Vehicle</td>
<td></td>
<td>Yes</td>
<td>Yes</td>
<td>By Engine Code</td>
</tr>
<tr>
<td></td>
<td>VAG IMMO</td>
<td></td>
<td></td>
<td>5-Digit PIN</td>
<td>See Note</td>
</tr>
<tr>
<td></td>
<td>Type 3</td>
<td></td>
<td></td>
<td></td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

**Note:** If no working key is available, it is a difficult vehicle to read the PIN. The ECU must be powered on. This can be done carefully through the fuse box using a fused lead.

### Mid 2005 TT (Audi)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>HU66T6</td>
<td>VAG IMMO</td>
<td></td>
<td>Yes</td>
<td>Yes</td>
<td>By Engine Code</td>
</tr>
<tr>
<td></td>
<td>TYPE 2</td>
<td></td>
<td></td>
<td>4-Digit PIN</td>
<td>See Note</td>
</tr>
<tr>
<td></td>
<td>VPW</td>
<td></td>
<td></td>
<td></td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

### Mid 2001-2005 TT (Audi)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>HU66T6</td>
<td>VAG IMMO</td>
<td></td>
<td>Yes</td>
<td>Yes</td>
<td>By Engine Code</td>
</tr>
<tr>
<td></td>
<td>TYPE 2</td>
<td></td>
<td></td>
<td>4-Digit PIN</td>
<td>See Note</td>
</tr>
<tr>
<td></td>
<td>VPW</td>
<td></td>
<td></td>
<td></td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

**Beware of component mis-match on AUDI / VW.**

If any computer components such as Engine Control Module or Dashboard have been replaced or swapped DEALER EQUIPMENT is required in order to re-match components. Simply programming the keys will not perform the necessary matching functions!
Some cases of internal damage to the Device have been traced to a radio wiring fault on Audi / Volkswagen vehicles.

Audi / Volkswagen cars from 1997 onwards have the ability to code/fault code read the radio and therefore the diagnostic wire or K line that is used to connect all of the control units on the car (including the immobilizer) goes to the radio. If an aftermarket radio has been fitted, it is possible that this “K” line may have inadvertently been shorted to 12volt by the after-market adapter harness. This will not cause any running faults etc with the vehicle, but when you come along and plug in your Device it will fail to communicate and can end up permanently damaged.

To test for this problem on vehicles later than 1996, use a multi-meter to carry out the following:

Measure the voltage on pin 7 relative to Ground with the ignition and radio on, if it’s below 9 volts then you are OK to connect the Device, if it is 12 volts you will need to wire a bulb up between Ground and pin 7. If the bulb does not illuminate it is OK to proceed with the Device, however, if it illuminates then you have a wiring fault to the radio **Do Not Connect The Device!!!**

Use the ADC-116 OBD2 Socket Voltage tester.

Available from your A.D. USA Distributor

4 = Ground
7 = “K” Line
15 = “L” Line
16 = +12volt
Advice on VAG from the Tech Support Desk

Verify the Make, model & year yourself, do not rely on Customers to say what year their vehicle is.

Use the 10th placement of the VIN (from left to right) to verify the year, yourself.

If there’s a working key be sure to start the vehicle to check that it runs properly & visually inspect the dash for any solid lights e.g. airbag light or any check engine lights, ABS lights or other warnings.

Be sure to ask the customer about any known history of recent repairs, accidents, theft attempts etc.

Add extra power to the car during programming.

Even if the cars battery is in good spirits there just not enough juice to be successful on Pin Reading and or Key Programming with VW/AUDI

On most VW Audi, If you do not have the PIN number to the car - you cannot add keys to the car. Some vehicles you can read the PIN number from the car’s computer and some you can’t. Be AWARE of this when you take on a job. Audi-VW dealers & or NASTF cannot provide VW AUDI Pin Codes so the only way to program keys to these cars is to READ the PIN CODE directly from the car, when possible. When this works it’s magic when it doesn't well, not so much.

We cannot guarantee success on all vehicles as many vehicles vary depending on country of manufacture and specification for the Dash Board & ECU Software versions.

Programming Audi’s & Volkswagens is a RISK since there is no sure way to know whether or not “Reading” the PIN Code will work. However, on models listed in the KEY-LOOK Guide Success is very probable.
Audi/VW pin read & Key programming:

Some locksmith’s avoid key programming for Audi/VW vehicles. We believe this is a mistake because they can be very lucrative jobs. However, like anything else one must have a basic understanding of what to look for and how to do the work properly. Our goal here is to give you the "How to knowledge".

First off all 2000-2009 Audi VW transponder based vehicles require a PIN CODE to program the keys.

If you do not have the PIN number to the car - you cannot add keys to the car.

Some vehicles you can read the PIN number from the car’s computer and some you can’t. Be AWARE of this when you take on a job. Audi-VW dealers cannot provide these codes so the only way to program keys to these cars is to READ the PIN CODE directly from the car, when possible.

We cannot guarantee success on all vehicles as many vehicles vary depending on country of manufacture and specification for the Dash Board & ECU Software versions.

Programming Audi’s & Volkswagens is a RISK since there is no sure way to know whether or not “Reading” the PIN Code will work. However, on models listed in the KEY-LOOK-UP Guide Success is very probable.

Secondly, if an unprogrammed key is used to turn on the ignition too many times, or if an incorrect PIN CODE is used to try and program the Immobilizer also referred to as the “dash” will “LOCK” meaning that even if a correct PIN CODE is used the Immo cannot be programmed & “ACCESS DENIED” will be displayed on the tester.

The only thing that "Unlock a “Locked” Immo is time, with the ignition turned “ON” with good battery voltage on the car and the engine NOT running.

If you have a working key use that to read the pin, the reason being is to avoid dash lock time. If there's no working key then cut a metal key first to read the PIN CODE. Also use the metal key to verify if it's a transponder based vehicle, some Audi/Vw vehicles are transponder optional. Using the KEY LOOK UP GUIDE is essential for success and remember, Nothing in the USA is transponder PRIOR to model year 2000.

There are several models from 1997-2000 that have a Megamos 48 chip in the key but are not transponder equipped so don’t rely on the key alone as verification.

It’s best to wait until you have successfully extracted a pin number and verified that no parts have been changed on the vehicle before cutting an expensive transponder key. Also, remote start systems, aftermarket radio’s (please refer to the coming pages of this manual in regards to aftermarket radios) also, keep in mind, aftermarket alarms can cause programming issues.

All keys must be present for key programming or they will be erased during the programming procedure.

If you have 1 or more existing keys and wish to program additional new keys, the existing keys will become new again, to the vehicle, during the programming procedure and must be programmed with the other keys.

Keys before 2006 model year are not PRE-CODED meaning that a generic virgin transponder can be used.

Keys after 2006 or so start to require a VIN specific coding called PRE-CODING, this means the key must be ordered by VIN or produced by a process of PRE-CODING before it can be programmed. See the KEY LOOK UP GUIDE for specific vehicle guidance on this.
Audi/VW vehicles need power...lots of it!

Be sure to hook-up jumper cables or at least a jump pack to the vehicle before attempting pin reading and/or key programming. It's advised that after reading the pin you disconnect your tester and wait 30 secs before hooking back up to program keys. At this juncture hook-up extra power if you have not done so already for the pin read.

All keys will be erased during key programming so be sure to have all the keys that will be programmed to the vehicle on hand. You will need to select the total amount of keys to be programmed when prompted by your tester. If for example the vehicle has 1 working key & your customer wants 2 spare keys the total entered will equal 3. Use the key count information to your advantage by checking the key count before and after programming keys.

Many customers in an attempt to save money will want you to use Internet purchased keys. 9 out of 10 times these keys have no chip, the wrong chip or a locked chip and will not program in. Use a cloning device to check their keys. Explain the pit falls of Internet keys, suggest and/or insist (depending on your policy) upon using keys cut from your stock. However If you do decide to accept customer purchased keys I would strongly recommend you get paid for your time no matter what the outcome.

Also, if you're using a token based tester please don't expect AD to be responsible for lost tokens when trying pro-
gram these keys.

It's important to note that after you program your key/keys the security light must go out.
If for example the vehicle runs but the light blinks than the keys are not truly programmed in.

Check your key count and try programming in just the original key by itself. If the light goes out with the original key than most likely you have a spare key that’s either locked, has the wrong chip or no chip.
After successfully reading the pincode the following steps should be taken before attempting key programming.

1) Add Extra power to the vehicle in the form of jumper cables.

2) read & clear fault codes.

3) Take a little extra time to check the security info for any possible dash lock time.

If the vehicle has lock time, which reads in minutes, it will deny you access to key programming, even with a valid pincode. Lock time needs to be cleared by leaving the key in the on position for the stated duration of time, full bat-
tery charge. You don’t have to keep your tester plugged in if you have other work to do.

Lets say for example the lock time reads 48 minutes and you have left the key on for that time period but the lock time still reads 48 minutes.
Try your pin anyway because most of the time it has actually zeroed out.

Pin codes for non-can vehicles are 4 digits. Can vehicles are 5 digits. If you pull a pin on a non-can vehicle using the below procedures and it reads 5 digits with a ZERO in the first digit (IE 01234), drop the ZERO and enter just the last 4 (IE 1234).

If you attempt to use a pin code for key programming that’s not valid be sure to turn your tester off and cycle the key off and back on in order to avoid dash lock time. An invalid pin code will give you a message that reads “access denied” on your tester.
Engine Codes

In many cases a good way to identify what system is fitted to Audi & Volkswagen’s is to have the Engine Code to the vehicle. Sometimes we list an engine code to use in place of the actual engine code on the car in the Key Look Up guide, use what we suggest whenever possible.

When needed the engine code can be found in different places on the vehicle. Look for a sticker in the trunk wheel well area or in the service booklet.

Many engine codes can be found on the next several pages to simplify the process.

Once you do locate the engine code - either on the vehicle or from the list here, you will need to Read the PIN code from the car and program the keys.

If you cannot read the PIN code or the engine code is not listed on the Pro tester than you will not be able to program the keys to the vehicle.
Always refer to the Key Look Up guide but here are a few quick vehicle specific system tips:

**03-05 1/2 Jetta**
Pincode reading procedure for vehicles listed in the quick reference guide below as EMS pin read;
Select Volkswagen (beta software)>Beetle >Engine code BDC>Read EMS.

For key programming go to Beetle>Type 2>Program keys.

**00-01 Jetta**
Pincode reading procedure for vehicles listed in the quick reference guide below as AUTO pin read;
Select Volkswagen>Select Golf/Bora/Jetta>Select 2nd choice down, which is 1J-1E>Select Plus read pincode>Select AKL>Select Auto>Select Smc or webcode >Select vag dashboard pincode read>Next choice is ECU ID or Special functions, select special functions>Select read pincode>2 possible pincodes will be next, select enter & another 3 possible pincodes will appear giving a total of 5 possible pincodes.
Eliminate any pincodes that include letters.
Key programming under vag immo system 2.

**00-01 Beetle**
Pincode reading procedure for vehicles listed in the quick reference guide below as MM5;
Select:
Volkswagen>Beetle>pin read>Go to the end of the engine code list, select Magnetti Marelli to get the
MM5 pin read. If MM5 gives a failure message, then go to MM4 and then back to MM5 for a second attempt.

Program keys under vag Immo Type 2

**05 Beetle**
Magnetti M>Beetle MM5 05> then type2)
Program keys under Immo Type 2

**02-05 1/2 A4**
Pincode reading procedure for vehicles listed in the quick reference guide below as BAA;
Go to Audi> A4>pin reading>select the engine code BAA.
Program keys under vag immo system 2.

**02-05 Passat**
Pincode reading for gasoline engines use Toureg BAA or Beetle BDC, one should work depending on what engine is installed.
Program keys under vag immo system 2.
PIN Code Reading

Select the model. Then select the year, if required.

Next select the 2 digits of the VIN from the menu.

Select the Engine Code.

Switch ignition on

Press enter key

Diagnostic menu

Ecu identification
> Special functions

Vehicle selection

IMMOBILIZER
REMOTE
SRS AIRBAG
AUTO GEARBOX

Read pincode

Vehicle selection

Ack anb
Adp apr
Adr apt
Aeb aub
AFB AQD
AFN AQQ
AFY AWQ

Vehicle selection

Bettle
Caddy
California
Caravelle
Golf / Jetta
Passat

(More models listed)

(More codes listed)
PIN Code Reading continued...

Please wait . . . . . .

(Example shown)

PINCODE 0845

Press enter key

Do Not program the keys yet.
Disconnect from the car & remove the key.
Start over to program the key.
### VAG IMMO TYPE 1 VPW
(Used only on Cabrio & Eurovan)

#### SPECIAL FUNCTIONS

<table>
<thead>
<tr>
<th>T-CODE SOFTWARE #</th>
<th>CABLE / DONGLE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADS-15</td>
<td>ADC-250 / ADC-251</td>
</tr>
<tr>
<td></td>
<td>A (BLACK) DONGLE</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MAX # OF KEYS:</th>
<th>SMART DONGLE?</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>YES</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>KEYS:</th>
<th>SECURITY:</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOCK TO VEHICLE</td>
<td>4 DIGIT PIN</td>
</tr>
<tr>
<td>Must be NEW but can be erased then Re-programmed into same vehicle.</td>
<td>COMPONENTS MATCHED? YES</td>
</tr>
<tr>
<td>SECURITY LIGHT / THEFT INDICATOR:</td>
<td>MATCHING CAPABILITY? N/A</td>
</tr>
<tr>
<td>Light should be out at end of procedure. If theft light blinks or comes on steady the key/keys have not been accepted.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TIPS:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Make sure you have the correct transponder and if introducing new keys they cannot be already used (locked) from another vehicle.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MORE INFO:</th>
</tr>
</thead>
<tbody>
<tr>
<td>THERE IS CURRENTLY NO PIN READING FOR CABRIO OR EUROVAN</td>
</tr>
</tbody>
</table>

In other words, there is no way of obtaining the PIN CODE via plugging into the car.

EEPROM equipment may be available from your locksmith distributor that is capable of reading the pin from the immo box.

Without the all important PIN CODE you cannot proceed. Once you have the 4-DIGIT PIN CODE keys can be programmed easily using the PRO.

*VPW is just an acronym used to help describe the system.*
### SPECIAL FUNCTIONS

#### PROGRAM KEYS-
Clears all transponders and programs up to 8 max.

#### KEY INFORMATION-
Several screens to step thru giving vital info about the system. Number of keys programmed, Dash lock times, etc.

<table>
<thead>
<tr>
<th>T-CODE SOFTWARE #</th>
<th>CABLE / DONGLE:</th>
</tr>
</thead>
</table>
| ADS-115           | ADC-250 / ADC-251
|                   | A (BLACK) DONGLE |

<table>
<thead>
<tr>
<th>MAX # OF KEYS:</th>
<th>SMART DONGLE?</th>
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</thead>
<tbody>
<tr>
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<tbody>
<tr>
<td>LOCK TO VEHICLE</td>
<td>4 DIGIT PIN</td>
</tr>
<tr>
<td>Must be NEW but</td>
<td>COMPONENTS MATCHED?</td>
</tr>
<tr>
<td>can be erased then</td>
<td>YES</td>
</tr>
<tr>
<td>Re-programmed into</td>
<td>MATCHING CAPABILITY?</td>
</tr>
</tbody>
</table>
| same vehicle.     | Some limited ECU matching func-
|                   | tions are available on the PRO. |

#### SECURITY LIGHT / THEFT INDICATOR:
Light should be out at end of procedure. If theft light blinks or comes on steady the key/keys have not been accepted.

#### TIPS:
Make sure you have the correct transponder and if introducing new keys they cannot be already used (locked) from another vehicle.

#### MORE INFO:
- Watch Video - Pin Read & Key Programming on a 2000 Jetta
- Watch Video - Pin Read on 2000-2001 Beetle
- Watch Video - Pin Read on 2002-2004 Beetle
VAG IMMO
TYPE 2 VPW

VEHICLE SELECTION

IMMOBILIZER
REMOTE
SRS AIRBAG
AUTO GEARBOX
READ PINCODE

OR

REQUIRES SMART CARD CALCULATOR OR WEB APP
USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWITCH IGNITION ON
PRESS ENTER KEY

ECU IDENTIFICATION

VAG IMMOBILISER
PRESS ENTER KEY

Before programming the keys - Read & Clear any Faults.

DIAGNOSTIC MENU

> FAULT CODES
SPECIAL FUNCTIONS
VAG IMMO
TYPE 2 VPW

DIAGNOSTIC MENU

FAULT CODES
>SPECIAL FUNCTIONS

PROGRAM KEYS

ACCESS GAINED

PROGRAMMING KEYS

KEYS PROGRAMMED: X
TOTAL KEYS REQD:
1 2 3 4 5
6 7 8 9 0

PRESS ENTER KEY

ENTER THE PIN CODE.

SECURITY CODE

_ _ _ _

1 2 3 4 5
6 7 8 9 0

PLEASE PROGRAM ADDITIONAL KEYS IF NECESSARY

PROGRAMMING PROCEDURE FOR 2 KEYS OR MORE:

1. The key already in the ignition will now be programmed, i.e. Key 1.
2. Remove Key 1.
3. Insert Key 2 and turn ignition on for 2 seconds. Then remove Key 2.
4. Insert Key 3 and turn ignition on for 2 seconds. Then remove Key 3.
5. Repeat for all keys.
6. Press the ENTER key after the last key has been programmed.
7. Try all the keys to ensure they work.
8. Check for any fault codes that may have been set, and clear the memory.

NOTE: All programmed keys will be erased, so any existing keys available will need to be re-programmed.

NOTE: Enter the 4 digit security code. You are allowed 3 attempts to enter the correct code. If the code is entered incorrectly 3 times the ECU will lock out communication for 35 minutes. To reset the ECU, the ignition must be left on for 35 minutes without any interruptions.
Note: During the process to program keys, a Fault may be lodged in the Automatic Transmission Module. This is a glitch in the VW modules. Check and Clear any Faults using this method.

DIAGNOSTIC MENU

> READ FAULT CODES
CLEAR FAULT CODES

PRESS ENTER KEY

DISPLAY FAULT CODES

NO FAULTS FOUND

PRESS ENTER KEY

VEHICLE SELECTION

NISSAN
SUBARU
SUZUKI
TOYOTA
> V.W. / AUDI GROUP

VEHICLE SELECTION

IMMOBILISER
REMOTE FUNCTIONS
> AUTO GEARBOX
PROGRAM ECU
VAG PIN DECODE
PIN CODE READING
VAG SRS

SWITCH IGNITION ON

PRESS ENTER KEY

DISPLAY FAULT CODES

FAULT CODE: 1176
KEY
SIGNAL TOO LOW
CURRENT FAULT

PRESS ENTER KEY

1 or more Faults are found in the Automatic Transmission module.
Use the Clear Fault function.

DIAGNOSTIC MENU

READ FAULT CODES
> CLEAR FAULT CODES

PRESS ENTER KEY

CLEAR FAULT CODES

PROCEDURE COMPLETE

PRESS ENTER KEY
VAG IMMO TYPE 3
(Only on 2006-2010 Beetle)

SPECIAL FUNCTIONS

PROGRAM KEYS-
Clears all transponders and programs up to 8 max.

KEY INFORMATION-
Several screens to step thru giving vital info about the system. Number of keys programmed, Dash lock times, etc.

TIPS:
Make sure when PIN READING on these systems that you are retrieving a 5 DIGIT PIN number.

Make sure you have the correct transponder and if introducing new keys they cannot be already used (locked) from another vehicle.

KEYS HAVE WHAT VW CALLS “COMPONENT PROTECTION”
EACH MODULE IN THE CAR HAS AN ENCRYPTED VERSION OF THE VIN STORED INSIDE IT AND THE KEYS HAVE TO HAVE THAT SAME ENCODING ON THE TRANSPONDER OR THEY CANNOT BE MATCHED / PROGRAMMED

Some but not all 2006 do not have the component protection activated and will accept a HU66T24 without Pre-Coding. The component protection is there but just not activated. Go figure, VW likes to play “hard to get”

One way to tell seems to be if when reading the PIN the PIN starts with example 02345 then there is no component protection. If the PIN starts with something else for example 52345 or 92345 then the key requires the Pre-Coding.

2007-2010 will require VIN Pre-Coding.

T-CODE SOFTWARE # | CABLE / DONGLE:
-------------------|---------------------
ADS-146            | ADC-250 / ADC- 251 A (BLACK) DONGLE

MAX # OF KEYS: SMART DONGLE?
8                   | YES

KEYS: SECURITY:
LOCK TO VEHICLE
Must be NEW but can be erased then Re-programmed into same vehicle.

5 DIGIT PIN - SEE TIPS

COMPONENTS MATCHED?
YES

MATCHING CAPABILITY?
Some limited ECU matching functions are available on the PRO.

SECURITY LIGHT / THEFT INDICATOR:
Light should be out at end of procedure. If theft light blinks or comes on steady the key/keys have not been accepted.

MORE INFO:
USING THE ADC-222 & SMART AERIAL TO PRODUCE A PRECODED TRANSPONDER.

**WARNING:** The ADC-222 is intended for use on USA 2006-2010 BEETLE models ONLY. Do not use the ADC-222 if any electrical modifications have been made to the vehicle or if the factory radio has been replaced with an after-market radio.

1. Start by hooking up to the cars OBDII port with the ADC-222 inserted on the end of the ADC-250 or 251 Cable.

2. Connect the Smart Aerial to the Smart Dongle.

3. Flipping the switch on the ADC-222 will electronically turn the ignition on which will apply power to the vehicle immobilizer and main ECU.

4. Now go to PIN READING and use BPR or BPS for 2006-2010 Beetle. You should be able to read the PIN CODE and PRECODE info. Write down the PIN. the SD should save the PRECODE DATA but it’s a good idea to write that all down too.

5. If all 7 bytes of PRECODING can be read immediately the software will allow you to PRECODE a key using this data. If the 7th byte is unknown then the software should ask if you want to search for the missing byte value. To do this use a virgin HU66T24 key.

   A. Place the key thru the + in the SMART AERIAL and then insert the key all the way into the ignition. As far as it will go and so it is holding up the AERIAL.

   Leave the mechanical ignition itself in the OFF position. Remember, for this part the ADC-222 is in place and has the ignition system powered up. This process can take up to about an 1 hour so be patient and make sure the vehicle battery is kept up by using external power such as jumper cables.

   B. Once the software finds the missing 7th byte value it will allow you to write to the transponder and lock the chip and if you want to creat more transponders.

6. Once you have completed the above steps disconnect the ADC-222 and reconnect without it to finish off by programming the transponders you have prepared., and or any other keys.
NEW AD TOOLS FOR WORKING WITH VW / AUDI

FORCE IGNITION TOOL ADC-222

- Pre-code data onto ID48 and ID46 transponders
- Connect via Smart Dongle
- Programming device and applicable software required
- Automatic Configuration
- Plug and Play
- ADS231, ADS258 Fiat® (ID46), ADS219 VAG® (ID48) software required

SMART AERIAL ADC-242

- Pre-code data onto ID48 and ID46 transponders
- Connect via Smart Dongle
- Programming device and applicable software required
- Automatic Configuration
- Plug and Play
- ADS231, ADS258 Fiat® (ID46), ADS219 VAG® (ID48) software required
2006 Beetle models use a CAN key. 2007 thru 2010 models use a pre-coded CAN key, ordered by VIN.

The first step is to read the PIN.

**VEHICLE SELECTION**

- AUDI
- BMW
- CADILLAC
- CHEVROLET
- CHRYSLER
- DAEWOO USA
- DODGE
- FORD
- GM (USA)
- HONDA/ACURA
- HYUNDAI
- INFINITI
- ISUZU
- JAGUAR
- JEEP
- KIA
- LANDROVER
- MAZDA
- MITSUBISHI
- NISSAN
- PONTIAC
- ROVER
- SAAB
- SATURN
- SUBARU
- TOYOTA
- VOLKSWAGEN

**IMMOBILIZER**

- REMOTE
- SRS AIRBAG
- AUTO GEARBOX

**READ PINCODE**

**Press Enter Key**

**Use Engine Code:** BPR

**VEHICLE SELECTION**

- ACK
- ADP
- ADR
- AEB
- AFN
- AJY
- ANB
- APR
- APT
- APU
- AQQ
- AWQ

(More codes listed)

**ECU IDENTIFICATION**

VIN: 3VWRG12Y34M543234
ID: 07K 906 032AA
TYPE: NB R5 AT

**Press Enter Key**

**Switch Ignition On**

**Use the Smart Dongle for Easy Access Using Built In Smart Card Calculator**

**Requires Smart Card Calculator or Web App**

**Press Enter Key**
VAG IMMO TYPE 3
(Only on 2006-2010 Beetle)

DIAGNOSTIC MENU

ECU IDENTIFICATION
  > SPECIAL FUNCTIONS

DIAGNOSTIC MENU

  > READ PINCODE

READ PINCODE

  ACCESS GAINED
  SCANNING MEMORY

Can take 1-2 min to scan for PIN Code.

READ PINCODE

  PINCODE: 00247
  (Disconnect Tester, Now)
  (Example shown)

CAN PIN Codes are 5 digits, always.

Do Not program the keys yet.

Disconnect from the car & remove the key.

Start over to program the key.

VEHICLE SELECTION

IMMOBILIZER
REMOTE
SRS AIRBAG
AUTO GEARBOX
READ PINCODE

VEHICLE SELECTION

SYSTEM 1
SYSTEM 2
SYSTEM 3

PROGRAM KEYS

START ENABL: YES
NUMBER OF KEYS: 2

DIAGNOSTIC MENU

PROGRAM KEYS
KEY INFORMATION
Before we go any further - lets look at the “Key Information” screens.

Enter the PIN CODE.

SECURITY CODE

00247
(This is just an example)

PROGRAMMING KEYS

TOTAL KEYS REQD:

Enter the number of keys to be programmed, including any existing keys you have with you.

The keys are programmed - you are all done.

VAG IMMO TYPE 3
(Only on 2006-2010 Beetle)
## VAG IMMO CAN 1

*CAN is just an acronym used to help describe the system, it stands for Control Area Network*

### SPECIAL FUNCTIONS

**PROGRAM KEYS**
Clears all transponders and programs up to 8 max.

**KEY INFORMATION**
Several screens to step thru giving vital info about the system. Number of keys programmed, Dash lock times, etc.

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<th>CABLE / DONGLE:</th>
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<td>ADS-146</td>
<td>ADC-250 / ADC-251</td>
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<td>A (BLACK) DONGLE</td>
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</tbody>
</table>

<table>
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<th>MAX # OF KEYS:</th>
<th>SMART DONGLE?</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>YES</td>
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<tr>
<th>KEYS:</th>
<th>SECURITY:</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOCK TO VEHICLE</td>
<td>5 DIGIT PIN</td>
</tr>
<tr>
<td>Must be NEW but can be erased then Re-programmed into same vehicle.</td>
<td>COMPONENTS MATCHED?</td>
</tr>
<tr>
<td>YES</td>
<td>MATCHING CAPABILITY?</td>
</tr>
<tr>
<td>Some limited ECU matching functions are available on the PRO.</td>
<td></td>
</tr>
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<th>SECURITY LIGHT / THEFT INDICATOR:</th>
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<tbody>
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<td>Light should be out at end of procedure.</td>
</tr>
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<td>If theft light blinks or comes on steady the key/keys have not been accepted.</td>
</tr>
</tbody>
</table>

### TIPS:
Make sure you have the correct transponder and if introducing new keys they cannot be already used (locked) from another vehicle.

### MORE INFO:
## UDS SYSTEM WITH VDO DASH
(Must have at least 1 working key to proceed)

### SPECIAL FUNCTIONS

<table>
<thead>
<tr>
<th>PROGRAM KEYS-</th>
<th>T-CODE SOFTWARE #</th>
<th>CABLE / DONGLE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pro screen asks you if you want to ERASE, say YES if you want to, NO if you don’t want to erase.</td>
<td>ADS-219</td>
<td>ADC-250 / ADC-251 A (BLACK) DONGLE</td>
</tr>
<tr>
<td>You must have ready at least 1 working key and one virgin 48 can chip key to start with.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Begin the procedure with the already working key in the ignition.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Select Auto Detect or BY SYSTEM UDS VDO DASH.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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<thead>
<tr>
<th>KEYS:</th>
<th>SECURITY:</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUST USE VIRGIN 48 CAN CHIP</td>
<td>NO PIN REQUIRED</td>
</tr>
<tr>
<td>LOCK TO VEHICLE Must be NEW but can be erased then Re-programmed into same vehicle.</td>
<td>COMPONENTS MATCHED?</td>
</tr>
<tr>
<td></td>
<td>YES</td>
</tr>
<tr>
<td></td>
<td>MATCHING CAPABILITY?</td>
</tr>
<tr>
<td></td>
<td>NONE AVAILABLE</td>
</tr>
</tbody>
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### TIPS:

MORE INFO:
2010-2012 USA JETTA - VDO DASH

**SYSTEM SELECTION**
- IMMOBILISER
- REMOTE

**ECU IDENTIFICATION**
VIN: WV WZZZ1KZAW203885
PART: WV WZZZ1KZAW202
ID: 560 953 236 2
TYPE: IMMO 28
PRESS ENTER KEY

**DIAGNOSTIC MENU**
- KEY INFORMATION

**KEY INFORMATION**
- MODE: 06
- TOTAL KEYS REQD: 03
- KEYS PROGRAMMED: 03
- IGN. KEY ID: 6C 0A 8F 9F
- KEY # 01 ID: 6C 0A 8F 49
- KEY # 02 ID: 10 98 E0 AB
- KEY # 03 ID: 10 98 E0 AB
PRESS ENTER KEY

**WARNING**
NEW KEYS MUST CONTAIN VIRGIN MEGAMOS ID48 TRANSPONDERS
PRESS ENTER KEY

**NOTE**
DASH PANEL WILL SWITCH ON / OFF DURING KEY PROGRAMMING. DASH PANEL WILL BE RESET AFTER PROCEDURE IS COMPLETE
PRESS ENTER KEY

**PROGRAM KEYS**
DO YOU WANT TO ERASE KEYS?

**GAINING ACCESS**
SWITCH IGNITION OFF
REMOVE KEY
PRESS ENTER KEY

**PROGRAM KEYS**
SWITCH IGNITION ON
PRESS ENTER KEY

**PROGRAM KEYS**
INSERT KEY TO PROGRAM
SWITCH IGNITION ON
PRESS ENTER KEY
THE PROGRAMMED KEY SHOULD BE DISPLAYED IN THE CLUSTER

1-1

WHEN AN ADDITIONAL KEY IS PROGRAMMED THE CLUSTER WILL DISPLAY

2 - 2

DO YOU WANT TO PROGRAM MORE KEYS

PROGRAM KEYS

SWITCH IGNITION OFF
REMOVE KEY

PRESS ENTER KEY

PROGRAM KEYS

INSERT KEY TO PROGRAM
SWITCH IGNITION ON

PRESS ENTER KEY

PROGRAM KEYS

DO YOU WANT TO PROGRAM MORE KEYS

PROGRAM KEYS

PROCEDURE COMPLETE

PRESS ENTER KEY

SYSTEM SELECTION

+ IMMOBILISER
+ REMOTE

PLEASE WAIT TRYING TO COMMUNICATE

ECU IDENTIFICATION

ID: 1K5 937 086

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
SPECIAL FUNCTIONS

PROGRAM REMOTE

DO YOU WANT TO PROGRAM MORE REMOTES

PROGRAM REMOTE

PROCEDURE COMPLETE

PRESS ENTER KEY

PROGRAM REMOTES

DO YOU WANT TO ERASE REMOTES

PROGRAM REMOTE

PRESS ENTER KEY

REPEAT THE PROCEDURE FOR ADDITIONAL REMOTES
CYCLE REMOTES AFTER PROGRAMMING

THE PROGRAMMED KEY SHOULD BE DISPLAYED IN THE CLUSTER

1-1

WHEN AN ADDITIONAL KEY IS PROGRAMMED THE CLUSTER WILL DISPLAY

2 - 2

DO YOU WANT TO PROGRAM MORE KEYS

PROGRAM KEYS

SWITCH IGNITION OFF
REMOVE KEY

PRESS ENTER KEY

PROGRAM KEYS

INSERT KEY TO PROGRAM
SWITCH IGNITION ON

PRESS ENTER KEY

PROGRAM KEYS

DO YOU WANT TO PROGRAM MORE KEYS

PROGRAM KEYS

PROCEDURE COMPLETE

PRESS ENTER KEY

SYSTEM SELECTION

+ IMMOBILISER
+ REMOTE

PLEASE WAIT TRYING TO COMMUNICATE

ECU IDENTIFICATION

ID: 1K5 937 086

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
SPECIAL FUNCTIONS

PROGRAM REMOTE

DO YOU WANT TO PROGRAM MORE REMOTES

PROGRAM REMOTE

PROCEDURE COMPLETE

PRESS ENTER KEY

PROGRAM REMOTES

DO YOU WANT TO ERASE REMOTES

PROGRAM REMOTE

PRESS ENTER KEY

REPEAT THE PROCEDURE FOR ADDITIONAL REMOTES
CYCLE REMOTES AFTER PROGRAMMING

THE PROGRAMMED KEY SHOULD BE DISPLAYED IN THE CLUSTER

1-1

WHEN AN ADDITIONAL KEY IS PROGRAMMED THE CLUSTER WILL DISPLAY

2 - 2

DO YOU WANT TO PROGRAM MORE KEYS

PROGRAM KEYS

SWITCH IGNITION OFF
REMOVE KEY

PRESS ENTER KEY

PROGRAM KEYS

INSERT KEY TO PROGRAM
SWITCH IGNITION ON

PRESS ENTER KEY

PROGRAM KEYS

DO YOU WANT TO PROGRAM MORE KEYS

PROGRAM KEYS

PROCEDURE COMPLETE

PRESS ENTER KEY

SYSTEM SELECTION

+ IMMOBILISER
+ REMOTE

PLEASE WAIT TRYING TO COMMUNICATE

ECU IDENTIFICATION

ID: 1K5 937 086

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
SPECIAL FUNCTIONS

PROGRAM REMOTE

DO YOU WANT TO PROGRAM MORE REMOTES

PROGRAM REMOTE

PROCEDURE COMPLETE

PRESS ENTER KEY

PROGRAM REMOTES

DO YOU WANT TO ERASE REMOTES

PROGRAM REMOTE

PRESS ENTER KEY

REPEAT THE PROCEDURE FOR ADDITIONAL REMOTES
CYCLE REMOTES AFTER PROGRAMMING

THE PROGRAMMED KEY SHOULD BE DISPLAYED IN THE CLUSTER

1-1

WHEN AN ADDITIONAL KEY IS PROGRAMMED THE CLUSTER WILL DISPLAY

2 - 2

DO YOU WANT TO PROGRAM MORE KEYS

PROGRAM KEYS

SWITCH IGNITION OFF
REMOVE KEY

PRESS ENTER KEY

PROGRAM KEYS

INSERT KEY TO PROGRAM
SWITCH IGNITION ON

PRESS ENTER KEY

PROGRAM KEYS

DO YOU WANT TO PROGRAM MORE KEYS

PROGRAM KEYS

PROCEDURE COMPLETE

PRESS ENTER KEY

SYSTEM SELECTION

+ IMMOBILISER
+ REMOTE

PLEASE WAIT TRYING TO COMMUNICATE

ECU IDENTIFICATION

ID: 1K5 937 086

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
SPECIAL FUNCTIONS

PROGRAM REMOTE

DO YOU WANT TO PROGRAM MORE REMOTES

PROGRAM REMOTE

PROCEDURE COMPLETE

PRESS ENTER KEY

PROGRAM REMOTES

DO YOU WANT TO ERASE REMOTES

PROGRAM REMOTE

PRESS ENTER KEY

REPEAT THE PROCEDURE FOR ADDITIONAL REMOTES
CYCLE REMOTES AFTER PROGRAMMING

THE PROGRAMMED KEY SHOULD BE DISPLAYED IN THE CLUSTER

1-1

WHEN AN ADDITIONAL KEY IS PROGRAMMED THE CLUSTER WILL DISPLAY

2 - 2

DO YOU WANT TO PROGRAM MORE KEYS

PROGRAM KEYS

SWITCH IGNITION OFF
REMOVE KEY

PRESS ENTER KEY

PROGRAM KEYS

INSERT KEY TO PROGRAM
SWITCH IGNITION ON

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DO YOU WANT TO PROGRAM MORE KEYS

PROGRAM KEYS

PROCEDURE COMPLETE

PRESS ENTER KEY

SYSTEM SELECTION

+ IMMOBILISER
+ REMOTE

PLEASE WAIT TRYING TO COMMUNICATE

ECU IDENTIFICATION

ID: 1K5 937 086

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
SPECIAL FUNCTIONS

PROGRAM REMOTE

DO YOU WANT TO PROGRAM MORE REMOTES

PROGRAM REMOTE

PROCEDURE COMPLETE

PRESS ENTER KEY

PROGRAM REMOTES

DO YOU WANT TO ERASE REMOTES

PROGRAM REMOTE

PRESS ENTER KEY

REPEAT THE PROCEDURE FOR ADDITIONAL REMOTES
CYCLE REMOTES AFTER PROGRAMMING

THE PROGRAMMED KEY SHOULD BE DISPLAYED IN THE CLUSTER

1-1

WHEN AN ADDITIONAL KEY IS PROGRAMMED THE CLUSTER WILL DISPLAY

2 - 2

DO YOU WANT TO PROGRAM MORE KEYS

PROGRAM KEYS

SWITCH IGNITION OFF
REMOVE KEY

PRESS ENTER KEY

PROGRAM KEYS

INSERT KEY TO PROGRAM
SWITCH IGNITION ON

PRESS ENTER KEY

PROGRAM KEYS

DO YOU WANT TO PROGRAM MORE KEYS

PROGRAM KEYS

PROCEDURE COMPLETE

PRESS ENTER KEY

SYSTEM SELECTION

+ IMMOBILISER
+ REMOTE

PLEASE WAIT TRYING TO COMMUNICATE

ECU IDENTIFICATION

ID: 1K5 937 086

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
SPECIAL FUNCTIONS

PROGRAM REMOTE

DO YOU WANT TO PROGRAM MORE REMOTES

PROGRAM REMOTE

PROCEDURE COMPLETE

PRESS ENTER KEY

PROGRAM REMOTES

DO YOU WANT TO ERASE REMOTES

PROGRAM REMOTE

PRESS ENTER KEY

REPEAT THE PROCEDURE FOR ADDITIONAL REMOTES
CYCLE REMOTES AFTER PROGRAMMING
## SPECIAL FUNCTIONS

### PROGRAM KEYS-

Pro screen asks you if you want to ERASE, say YES if you want to, NO if you don't want to erase.

You DO NOT HAVE TO have at least 1 working key and YOU WILL NEED ONLY 1 virgin 48 can chip key to start with.

Begin the procedure with the already working key in the ignition.

Select Auto Detect or BY SYSTEM UDS MM DASH.

### T-CODE SOFTWARE #

<table>
<thead>
<tr>
<th></th>
<th>CABLE / DONGLE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADS-219</td>
<td>ADC-250 / ADC-251</td>
</tr>
<tr>
<td></td>
<td>A (BLACK) DONGLE</td>
</tr>
</tbody>
</table>

### MAX # OF KEYS:

8

### KEYS:

SMART DONGLE?

YES

### SECURITY:

- LOCK TO VEHICLE
  - Must be NEW but can be erased then Re-programmed into same vehicle.
- COMPONENTS MATCHED?
  - YES
- MATCHING CAPABILITY?
  - NONE AVAILABLE

### SECURITY LIGHT / THEFT INDICATOR:

Light should be out at end of procedure.

If theft light blinks or comes on steady the key/keys have not been accepted.

### TIPS:

WATCH VIDEO - 2012 BEETLE KEY PROGRAMMING

MORE INFO:
NOTE: If Auto detect does not identify the system on 2012 Beetle then select +BY SYSTEM / +UDS / MARELLI DASH

**2012 - USA BEETLE - MARELLI DASH**

**PROGRAM KEYS**

**NO WORKING KEY IS REQUIRED; CAN BE USED WHEN ALL KEYS LOST**

**ERASE KEYS WHEN YOU HAVE A WORKING KEY BUT THE OTHER KEYS HAVE BEEN LOST**

**VEHICLE SELECTION**

+ SSANGYONG
+ SAAB
+ SUZUKI
+ SUBARU
+ TOYOTA
+ VOLKSWAGEN

**ECU IDENTIFICATION**

VIN: WV WZZAZED016803
PART: WV WZZAZED016
ID: ISO 920 960N 1
TYPE: IMM0 68

**PROGRAM KEYS**

**ECU IDENTIFICATION**

VIN: WV WZZAZED016803
UP! (AA)
PROTOCOL: CAN UDS

**IS THE CODE CORRECT**

 

**ECU IDENTIFICATION**

VIN: WV WZZAZED016803
UP! (AA)
PROTOCOL: CAN UDS

**ECU IDENTIFICATION**

VIN: WV WZZAZED016803
UP! (AA)
PROTOCOL: CAN UDS

**NOTE**

DASH PANEL WILL SWITCH ON / OFF DURING KEY PROGRAMMING. DASH PANEL WILL BE RESET AFTER PROCEDURE IS COMPLETE

**PROGRAM KEYS**

DO YOU WANT TO ERASE KEYS?

 

**WARNING**

NEW KEYS MUST CONTAIN VIRGIN MEGAMOS ID48 TRANSPONDERS

**KEY INFORMATION**

MODE: 06
TOTAL KEYS REQD: 03
KEYS PROGRAMMED: 03
IGN. KEY ID: F3 0A 8F 9F
KEY # 01 ID: F3 0A 8F 49
KEY # 02 ID: 38 98 E0 AB
KEY # 03 ID: FE 98 E0 AB

**PROGRAM KEYS**

ACCESS GAINED

**WARNING**

NEW KEYS MUST CONTAIN VIRGIN MEGAMOS ID48 TRANSPONDERS

**NOTE**

DASH PANEL WILL SWITCH ON / OFF DURING KEY PROGRAMMING. DASH PANEL WILL BE RESET AFTER PROCEDURE IS COMPLETE

**PROGRAM KEYS**

DO YOU WANT TO ERASE KEYS?

 

**PROGRAM KEYS**

ACCESS GAINED

**NOTE**

DASH PANEL WILL SWITCH ON / OFF DURING KEY PROGRAMMING. DASH PANEL WILL BE RESET AFTER PROCEDURE IS COMPLETE

**PROGRAM KEYS**

DO YOU WANT TO ERASE KEYS?

 
**PROGRAM KEYS CONTIN**

- **Program Keys**
  - Do you want to program more keys?
  - Execute: Yes

- **Program Keys**
  - Procedure complete
  - Execute: Yes

- **Program Remotes**
  - Do you want to erase remotes?
  - Execute: Yes

**THE PROGRAMMED KEY SHOULD BE DISPLAYED IN THE CLUSTER**

- 1-1
- When an additional key is programmed, the cluster will display
- 2 - 2

**Program Keys**

- Insert key to program
- Switch ignition on
- Press enter key

**Program Remotes**

- System selection
  - Immobiliser
  - Remote
- Press enter key

**ECU Identification**

- ID: 121 937 086
- Press enter key

**Diagnostic Menu**

- ECU identification
- Special functions
- Press enter key

- Program remotes
- Procedure complete
- Press enter key

- Repeat the procedure for additional remotes
- Cycle remotes after programming
ADC-219 VAG Instrument Reset Cable

See Info Quest for detailed usage info
CHRYSLER / DODGE / JEEP & PLYMOUTH

SECTION

T-CODE SOFTWARE PACKS:

Chrysler Basic & Remotes (ADS-113)

Chrysler Pin Read (ADS-157)

Chrysler Fobik & CAN 2-5

Chrysler 2010 (ADS-173)

Chrysler Proximity 2011 (ADS-178)

Dodge Prox / Fobik (ADS-195)

Jeep Chrysler Fiat 2016 (ADS-234)

Dodge Sprinter USA (ADS-137)

(Software names generally refer to the date of release on the T-CODE not the years of vehicles covered).
### FOR BEST RESULTS WITH SKIM / PIN CODE READING ON ALL APPLICABLE VEHICLES
USE LATEST AVAILABLE BETA

<table>
<thead>
<tr>
<th>Model Year</th>
<th>Model</th>
<th>Type of Ignition</th>
<th>System</th>
<th>SMART Card PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015-2017</td>
<td>200</td>
<td>PROXIMITY TYPE</td>
<td>OEM PROX</td>
<td>Select by Vehicle</td>
<td>SD</td>
<td>5 DIGIT</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CHRYSLER</td>
<td>No substitutes at this time</td>
<td></td>
<td>Handle Smart Card in background</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>MVP will use 1 token to read pin and 1 token to program.</td>
<td></td>
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<td></td>
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<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>2011-2014</td>
<td>200</td>
<td>CHRYSLER</td>
<td>Y164-PT</td>
<td>CAN 2</td>
<td>Yes</td>
<td>4 digit</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>PRO Dongle</td>
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</tr>
<tr>
<td>Note: Vehicle also uses a Remote Head key from the factory.</td>
<td></td>
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<tr>
<td>2011-2015</td>
<td>300 / 300C</td>
<td>CHRYSLER</td>
<td>Dealer Proximity Fob</td>
<td>PROX GEN 4</td>
<td>Yes</td>
<td>4 digit</td>
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<tr>
<td></td>
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<td>FCC ID = M3N40821302</td>
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<td>G-Tan</td>
<td>Tan Or SD</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2009-2010</td>
<td>300 / 300C</td>
<td>CHRYSLER</td>
<td>OEM FOBIK or use ILCO POD Key</td>
<td>FOBIK B</td>
<td>Yes</td>
<td>4 digit</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Y170-PT</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>G-Tan</td>
<td>Tan Or SD</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2008 300 / 300C</td>
<td>CHRYSLER</td>
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<td>OEM FOBIK or use ILCO POD Key</td>
<td>FOBIK A</td>
<td>Yes</td>
<td>4 digit</td>
</tr>
<tr>
<td></td>
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<td>Y170-PT</td>
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<td>G-Tan</td>
<td>Tan Or SD</td>
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<tr>
<td>Year Range</td>
<td>Model(s)</td>
<td>ADS-156</td>
<td>ILCO</td>
<td>SYSTEM</td>
<td>SMART Card</td>
<td>PIN Required</td>
</tr>
<tr>
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<tr>
<td>MID 2006-2007 300 / 300C (CHRYSLER)</td>
<td></td>
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<td>ILCO</td>
<td></td>
<td></td>
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<td></td>
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<td>ADS-156</td>
<td>Y164-PT</td>
<td>CAN 5</td>
<td>Yes</td>
<td>4 digit</td>
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<tr>
<td>2005 TO EARLY 2006 300 / 300C (CHRYSLER)</td>
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<td>ILCO</td>
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<td></td>
<td>ADS-156</td>
<td>Y164-PT</td>
<td>CAN 1</td>
<td>Yes</td>
<td>4 digit</td>
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<tr>
<td>1999-2004 300M (CHRYSLER)</td>
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<td>ADS-113</td>
<td>ILCO</td>
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<tr>
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<td>Y160-PT</td>
<td>Type 2 VPW</td>
<td>No</td>
<td>4 digit</td>
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<tr>
<td>2007-2009 ASPEN (CHRYSLER)</td>
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<td>ILCO</td>
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<td>Y164-PT</td>
<td>CAN 4</td>
<td>Yes</td>
<td>4 digit</td>
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<tr>
<td>2008-2014 AVENGER (DODGE)</td>
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<td>ADS-156</td>
<td>ILCO</td>
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<td>Y164-PT</td>
<td>CAN 2</td>
<td>Yes</td>
<td>4 digit</td>
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<tr>
<td>1999-2000 BREEZE (PLYMOUTH)</td>
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<td>ILCO</td>
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<td>Y160-PT</td>
<td>Type 1</td>
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<tr>
<td>2007-2012 CALIBER (DODGE)</td>
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<td>ADS-156</td>
<td>ILCO</td>
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<td></td>
<td>Y164-PT</td>
<td>CAN 3</td>
<td>Yes</td>
<td>4 digit</td>
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</tbody>
</table>

Advanced Diagnostics USA Manual for MVP & T-CODE - © 2017
### 2011-2016 CARAVAN (Dodge)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM FOBiK</td>
<td>FOBIK B</td>
<td>Yes</td>
<td>4 digit</td>
<td>with FOBiK Software</td>
<td>G-Tan Or SD</td>
</tr>
<tr>
<td>or use ILCO FOBiK POD Key</td>
<td>Y170-PT</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 2009-2010 CARAVAN (Dodge)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM FOBiK</td>
<td>FOBIK A or B</td>
<td>Yes</td>
<td>4 digit</td>
<td>with FOBiK Software</td>
<td>G-Tan Or SD</td>
</tr>
<tr>
<td>or use ILCO FOBiK POD Key</td>
<td>Y170-PT</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 2008 CARAVAN (Dodge)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM FOBiK</td>
<td>FOBIK A</td>
<td>Yes</td>
<td>4 digit</td>
<td>with FOBiK Software</td>
<td>G-Tan Or SD</td>
</tr>
<tr>
<td>or use ILCO FOBiK POD Key</td>
<td>Y170-PT</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 2004-2007 CARAVAN (Dodge)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y164-PT</td>
<td>PACIFICA</td>
<td>No</td>
<td>4 digit</td>
<td>NO PIN READ AVAILABLE</td>
<td>C-Green Or SD</td>
</tr>
</tbody>
</table>

**Note:** Need Dealer PIN. This van may also use a Remote Head Key. Transponder system was optional.

### 2001-2003 CARAVAN (Dodge)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y160-PT</td>
<td>Type 2 VPW</td>
<td>No</td>
<td>4 digit</td>
<td>Possible w/ ADS-157 on T-Code or 1 Token on MVP</td>
<td>C-Green Or SD</td>
</tr>
</tbody>
</table>

**Note:** Transponder system was optional.

### 2015-2016 CHALLENGER PROXIMITY TYPE IGNITIONS (Dodge)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer Proximity Fob</td>
<td>PROX GEN 4</td>
<td>Yes</td>
<td>4 digit</td>
<td>NO PIN READ AVAILABLE</td>
<td>G-Tan Or SD</td>
</tr>
<tr>
<td>FCC ID = M3N40821302</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 2008-2014 CHALLENGER FOBiK TYPE IGNITIONS (Dodge)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM FOBiK</td>
<td>FOBIK B</td>
<td>Yes</td>
<td>4 digit</td>
<td>with FOBiK Software</td>
<td>G-Tan Or SD</td>
</tr>
<tr>
<td>or use ILCO FOBiK POD Key</td>
<td>Y170-PT</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Some Challenger models may be equipped with an option called “Keyless Go” that includes a “Push-to-Start” button ignition. For programming the “Button” is removed and a Fobik Ignition is behind it.
### 2009-2014 CHALLENGER PROXIMITY TYPE IGNITIONS (Dodge)

<table>
<thead>
<tr>
<th>Model Year</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>MVP &amp; T-CODE PRO</td>
<td>CHRYSLER</td>
<td>2009-2014 CHALLENGER</td>
<td>PROX B</td>
<td>Yes</td>
<td>4 digit</td>
</tr>
<tr>
<td>OEM FOBiK or use ILCO POD Key Y170-PT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>with FOBiK Software</td>
</tr>
</tbody>
</table>

Note: Some Challenger models may be equipped with an option called “Keyless Go” that includes a “Push-to-Start” button ignition. For programming the “Button” is removed and a Fobik Ignition is behind it. Use Proximity Match Keyless-Go as final step.

### 2011-2016 CHARGER (Dodge)

<table>
<thead>
<tr>
<th>Model Year</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
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</thead>
<tbody>
<tr>
<td>2011-2016</td>
<td>ILCO</td>
<td>SYSTEM</td>
<td>SMART Card</td>
<td>PIN Required</td>
<td>PIN Read</td>
</tr>
<tr>
<td>DEALER PROXIMITY FOB</td>
<td>PROX B</td>
<td>YES</td>
<td>4 digit</td>
<td>2011-2014=YES 2015-2016=NO</td>
<td>G-Tan Or SD</td>
</tr>
<tr>
<td>FCC ID = M3N40821302</td>
<td></td>
<td></td>
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### 2009-2010 CHARGER (Dodge)

<table>
<thead>
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<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009-2010</td>
<td>ILCO</td>
<td>SYSTEM</td>
<td>SMART Card</td>
<td>PIN Required</td>
<td>PIN Read</td>
</tr>
<tr>
<td>OEM FOBiK or use ILCO POD Key Y170-PT</td>
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<td></td>
<td></td>
<td></td>
<td>with FOBiK Software</td>
</tr>
</tbody>
</table>

### 2008 CHARGER (Dodge)

<table>
<thead>
<tr>
<th>Model Year</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
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</thead>
<tbody>
<tr>
<td>2008</td>
<td>ILCO</td>
<td>SYSTEM</td>
<td>SMART Card</td>
<td>PIN Required</td>
<td>PIN Read</td>
</tr>
<tr>
<td>OEM FOBiK or use ILCO POD Key Y170-PT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>with FOBiK Software</td>
</tr>
</tbody>
</table>

### MID 2006-2007 CHARGER (Dodge)

<table>
<thead>
<tr>
<th>Model Year</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>MID 2006-2007</td>
<td>ILCO</td>
<td>SYSTEM</td>
<td>SMART Card</td>
<td>PIN Required</td>
<td>PIN Read</td>
</tr>
<tr>
<td>Y164-PT</td>
<td>CAN 5</td>
<td>YES</td>
<td>4 digit</td>
<td></td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

Note: A few models may use CAN 4. Vehicle also uses a Remote Head key from the factory.

### EARLY 2006 CHARGER (Dodge)

<table>
<thead>
<tr>
<th>Model Year</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>EARLY 2006</td>
<td>ILCO</td>
<td>SYSTEM</td>
<td>SMART Card</td>
<td>PIN Required</td>
<td>PIN Read</td>
</tr>
<tr>
<td>Y164-PT</td>
<td>CAN 1</td>
<td>YES</td>
<td>4 digit</td>
<td></td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

Note: Overlapping mid-year change for 2006. A few models may use CAN 5. Remote Head key from the factory.
## 2014-2017 Cherokee With Fobik Type Ignition (Jeep)

<table>
<thead>
<tr>
<th>OEM FOBIK</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>No substitutes at this time</td>
<td>Select by Vehicle</td>
<td>SD Handles Smart Card in background</td>
<td>Yes 5 DIGIT</td>
<td>YES Included in software</td>
<td>Requires Smart Dongle</td>
</tr>
</tbody>
</table>

New Software, Release date expected to be August 2016
MVP will use 1 token to read pin and 1 to program.

## 2014-2017 Cherokee With Proximity Type Ignition (Jeep)

<table>
<thead>
<tr>
<th>OEM PROX</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>No substitutes at this time</td>
<td>Select by Vehicle</td>
<td>SD Handles Smart Card in background</td>
<td>Yes 5 DIGIT</td>
<td>YES Included in software</td>
<td>Requires Smart Dongle</td>
</tr>
</tbody>
</table>

New Software, Release date expected to be August 2016
MVP will use 1 token to read pin and 1 to program.

## 1998-2001 Cherokee (Jeep)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y160-PT</td>
<td>Type 1</td>
<td>No</td>
<td>4 digit</td>
<td>NO PIN READ AVAILABLE</td>
<td>C-Green Or SD</td>
</tr>
</tbody>
</table>

## 1999-2000 Cirrus (Chrysler)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y160-PT</td>
<td>Type 1</td>
<td>Yes</td>
<td>4 digit</td>
<td>NO PIN READ AVAILABLE</td>
<td>C-Green Or SD</td>
</tr>
</tbody>
</table>

## 2009-2010 Commander (Jeep)

<table>
<thead>
<tr>
<th>OEM Fobik or use ILCO Pod Key</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y170-PT</td>
<td>Fobik A or B</td>
<td>Yes</td>
<td>4 digit</td>
<td>with Fobik Software</td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

**Note:** SEED-KEY ERROR on a Fobik system means the wrong system has been selected.

## 2008 Commander (Jeep)

<table>
<thead>
<tr>
<th>OEM Fobik or use ILCO Pod Key</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y170-PT</td>
<td>Fobik A</td>
<td>Yes</td>
<td>4 digit</td>
<td>with Fobik Software</td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

## 2007 Commander (Jeep)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y164-PT</td>
<td>CAN 4</td>
<td>Yes</td>
<td>4 digit</td>
<td>Possible w/ ADS-157 on T-Code or 1 Token on MVP</td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

**Note:** A few models may use the CAN 1 System for this year & a Dealer Remote Head Key.
# 2006 COMMANDER (JEEP)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Ready</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y164-PT</td>
<td>CAN 1</td>
<td>Yes</td>
<td>4 digit</td>
<td>Yes</td>
<td>PRO Dongle</td>
</tr>
</tbody>
</table>

## 2007-2017 COMPASS (JEEP)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Ready</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y164-PT</td>
<td>CAN 3</td>
<td>Yes</td>
<td>4 digit</td>
<td>Yes</td>
<td>PRO Dongle</td>
</tr>
</tbody>
</table>

## 1998-2004 CONCORDE (CHRYSLER)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Ready</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y160-PT</td>
<td>Type 2 VPW</td>
<td>Yes</td>
<td>4 digit</td>
<td>Yes</td>
<td>PRO Dongle</td>
</tr>
</tbody>
</table>

**Note:** PIN Read possible on 2001-2004 models only. Use AD-38 tool for 1998-2000 models.

## 2007-2013 DAKOTA (DODGE)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Ready</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y164-PT</td>
<td>CAN 4 Optional Non-Transponder instructions</td>
<td>Yes</td>
<td>4 digit</td>
<td>Yes</td>
<td>PRO Dongle</td>
</tr>
</tbody>
</table>

**Note:** This model may be transponder equipped or not. If the car starts with a metal key it is non-transponder. Program non-transponder remote head keys using CAN 4 and select “Program Remotes”.

## 2005-2006 DAKOTA (DODGE)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Ready</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y164-PT</td>
<td>CAN 1 Optional Non-Transponder instructions</td>
<td>Yes</td>
<td>4 digit</td>
<td>Yes</td>
<td>PRO Dongle</td>
</tr>
</tbody>
</table>

**Note:** This model may be transponder equipped or not. If the car starts with a metal key it is non-transponder. Program non-transponder remote head keys using CAN 1 and select “Program Remotes”.

## 2001-2004 DAKOTA (DODGE)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Ready</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y160-PT</td>
<td>Type 2 VPW</td>
<td>No</td>
<td>4 digit</td>
<td>Yes</td>
<td>PRO Dongle</td>
</tr>
</tbody>
</table>
## 2013-2016 Dart Proximity Type Ignitions (Dodge)

<table>
<thead>
<tr>
<th>Dealer System</th>
<th>System</th>
<th>Smart Card</th>
<th>Pin Required</th>
<th>Pin Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer Proximity Fob required</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>4 digit</td>
<td>Possible w/ SD &amp; ADS-234 on T-Code or 1 Token on MVP</td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

## 2013-2016 Dart Fobik Type Ignitions (Dodge)

<table>
<thead>
<tr>
<th>ILCO System</th>
<th>System</th>
<th>Smart Card</th>
<th>Pin Required</th>
<th>Pin Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM Fobik or use ILCO POD Key Y170-PT</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>4 digit</td>
<td>Possible w/ SD &amp; ADS-234 on T-Code or 1 Token on MVP</td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

## 2014-2016 Durango (Dodge)

<table>
<thead>
<tr>
<th>ILCO System</th>
<th>System</th>
<th>Smart Card</th>
<th>Pin Required</th>
<th>Pin Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer Proximity Fob Required</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>4 digit</td>
<td>No Pin Read Available</td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

## 2011-2013 Durango (Dodge)

<table>
<thead>
<tr>
<th>ILCO System</th>
<th>System</th>
<th>Smart Card</th>
<th>Pin Required</th>
<th>Pin Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Keyless Go Fobik FCC ID: IYZ-C01C POD Key 5909874</td>
<td>Fobik B Optional Keyless-Go</td>
<td>Yes</td>
<td>4 digit</td>
<td>with Fobik Software</td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

Note: 2011+ Durango models are equipped with an option called “Keyless Go” that includes a “Push-to-Start” button ignition. For programming the “Button” is removed and a Fobik Ignition is behind it. Use Proximity Match Keyless-Go as final step.

## 2007-2009 Durango (Dodge)

<table>
<thead>
<tr>
<th>ILCO System</th>
<th>System</th>
<th>Smart Card</th>
<th>Pin Required</th>
<th>Pin Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y164-PT CAN 4 Optional Non-Transponder instructions</td>
<td>Yes</td>
<td>4 digit</td>
<td>Possible w/ ADS-157 on T-Code or 1 Token on MVP</td>
<td>G-Tan Or SD</td>
<td></td>
</tr>
</tbody>
</table>

Note: This vehicle may also use a Dealer Remote Head Key. Transponder system is optional

## 2005-mid 2006 Durango (Dodge)

<table>
<thead>
<tr>
<th>ILCO System</th>
<th>System</th>
<th>Smart Card</th>
<th>Pin Required</th>
<th>Pin Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y164-PT CAN 1 Optional Non-Transponder instructions</td>
<td>Yes</td>
<td>4 digit</td>
<td>Possible w/ ADS-157 on T-Code or 1 Token on MVP</td>
<td>G-Tan Or SD</td>
<td></td>
</tr>
</tbody>
</table>

Note: This vehicle may also use a Dealer Remote Head Key. Transponder system is optional

We have noticed some 2005 VIN Durango’s that like the 2004 model will only accept a OEM Remote Head Key

## 2004 Durango (Dodge)

<table>
<thead>
<tr>
<th>ILCO System</th>
<th>System</th>
<th>Smart Card</th>
<th>Pin Required</th>
<th>Pin Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM Remote Key Only (A non-remote head key can not be used)</td>
<td>CAN 1 Optional Non-Transponder instructions</td>
<td>Yes</td>
<td>4 digit</td>
<td>Possible w/ ADS-157 on T-Code or 1 Token on MVP</td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

Note: This vehicle requires a Dealer Remote Head Key only for 2004 models. Transponder system is optional
## 2001-2003 DURANGO (Dodge)

<table>
<thead>
<tr>
<th>Year</th>
<th>Model</th>
<th>Platform</th>
<th>Qty</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>2001-2003</td>
<td>DURANGO</td>
<td>ILCO</td>
<td>Y160-PT</td>
<td>Yes</td>
<td>No</td>
<td>4 digit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SYSTEM</td>
<td>Type 2 VPW</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>SMART Card</td>
<td></td>
<td>PIN Required</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>PIN Read</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>PRO Dongle</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## 2014-2017 GRAND CHEROKEE (JEEP)

<table>
<thead>
<tr>
<th>Year</th>
<th>Model</th>
<th>Platform</th>
<th>Qty</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014-2017</td>
<td>GRAND CHEROKEE</td>
<td>DEALER</td>
<td>Y164-PT</td>
<td>Yes</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>SYSTEM</td>
<td></td>
<td>PIN Required</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>SMART Card</td>
<td></td>
<td>PIN Read</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>PIN Read</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>PRO Dongle</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Note:** 2011+ Grand Cherokee models are equipped with an option called “Keyless Go” that includes a “Push-to-Start” button ignition. For programming the “Button” is removed and a Fobik Ignition is behind it. Use Proximity Match Keyless-Go as final step.

## 2009-2010 GRAND CHEROKEE (JEEP)

<table>
<thead>
<tr>
<th>Year</th>
<th>Model</th>
<th>Platform</th>
<th>Qty</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009-2010</td>
<td>GRAND CHEROKEE</td>
<td>OEM FOBIK</td>
<td>Y170-PT</td>
<td>Yes</td>
<td></td>
<td>4 digit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SYSTEM</td>
<td></td>
<td>PIN Required</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>SMART Card</td>
<td></td>
<td>PIN Read</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>PIN Read</td>
<td></td>
<td></td>
<td></td>
<td>SD</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PRO Dongle</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Note:** A Emergency “POD” key may be substituted for the FOBIK remote.

## 2008 GRAND CHEROKEE (JEEP)

<table>
<thead>
<tr>
<th>Year</th>
<th>Model</th>
<th>Platform</th>
<th>Qty</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008</td>
<td>GRAND CHEROKEE</td>
<td>OEM FOBIK</td>
<td>Y170-PT</td>
<td>Yes</td>
<td></td>
<td>4 digit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SYSTEM</td>
<td></td>
<td>PIN Required</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>SMART Card</td>
<td></td>
<td>PIN Read</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>PIN Read</td>
<td></td>
<td></td>
<td></td>
<td>SD</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PRO Dongle</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Note:** A Emergency “POD” key may be substituted for the FOBIK remote.

## 2005-2006 GRAND CHEROKEE (JEEP)

<table>
<thead>
<tr>
<th>Year</th>
<th>Model</th>
<th>Platform</th>
<th>Qty</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>2005-2006</td>
<td>GRAND CHEROKEE</td>
<td>OEM FOBIK</td>
<td>Y170-PT</td>
<td>Yes</td>
<td></td>
<td>4 digit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SYSTEM</td>
<td></td>
<td>PIN Required</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>SMART Card</td>
<td></td>
<td>PIN Read</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>PIN Read</td>
<td></td>
<td></td>
<td></td>
<td>SD</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PRO Dongle</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Note:** This vehicle also use’s a Dealer Remote Head Key.
### 1999-2004 GRAND CHEROKEE (JEEP)  
**ILCO**: Y160-PT  
**SYSTEM**: Type 2 VPW  
**SMART Card**: No  
**PIN Required**: 4 digit  
**PIN Read**: (’01-’04) ADS-157 Software  
**PRO Dongle**: C-Green Or SD  

**Note**: PIN Read possible on 2001-2004 models only. Use AD-38 tool for 1999-2000 models.

### 1998-2004 INTREPID (DODGE)  
**ILCO**: Y160-PT  
**SYSTEM**: Type 2 VPW  
**SMART Card**: No  
**PIN Required**: 4 digit  
**PIN Read**: (’01-’04) ADS-157 Software  
**PRO Dongle**: C-Green Or SD  

**Note**: PIN Read possible on 2001-2004 models only. Use AD-38 tool for 1998-2000 models.

### 2011-2017 JOURNEY (DODGE)  
**ILCO**: Dealer Proximity Fob  
**FCC ID**: M3N40821302  
**SYSTEM**: PROX GEN 4  
**SMART Card**: Yes  
**PIN Required**: 4 digit  
**PIN Read**: Yes  
**PRO Dongle**: G-Tan Or SD  

### 2009-2010 JOURNEY (DODGE)  
**ILCO**: OEM FOBIK or use ILCO POD Key  
**Y170-PT**  
**SYSTEM**: FOBIK B  
**SMART Card**: Yes  
**PIN Required**: 4 digit  
**PIN Read**: with FOBIK Software  
**PRO Dongle**: G-Tan Or SD  

**Note**: Base models with no option packages do not come with Remotes - only POD keys from the factory.

### 1999-2001 LHS (CHRYSLER)  
**ILCO**: Y160-PT  
**SYSTEM**: Type 2 VPW  
**SMART Card**: Yes  
**PIN Required**: 4 digit  
**PIN Read**: (2001) ADS-157 Software  
**PRO Dongle**: C-Green Or SD  

**Note**: PIN Read possible on 2001 model only. Use AD-38 tool for 1999-2000 models.

### 2008-2013 LIBERTY (JEEP)  
**ILCO**: Y164-PT  
**SYSTEM**: CAN 3  
**SMART Card**: Yes  
**PIN Required**: 4 digit  
**PIN Read**: Possible w/ ADS-157 on T-Code or 1 Token on MVP  
**PRO Dongle**: G-Tan Or SD  

### 2005-2007 LIBERTY (JEEP)  
**ILCO**: Y164-PT  
**SYSTEM**: PACIFICA  
**SMART Card**: No  
**PIN Required**: 4 digit  
**PIN Read**: NO PIN READ AVAILABLE  
**PRO Dongle**: C-Green Or SD  

**Note**: Need Dealer PIN. No PIN Read. This van may also use a Remote Head Key.
### 2002-2004 LIBERTY (JEEP)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y160-PT</td>
<td>Type 2 VPW</td>
<td>No</td>
<td>4 digit</td>
<td>Possible with ADS-157 on T-Code or 1 Token on MVP</td>
<td>C-Green Or SD</td>
</tr>
</tbody>
</table>

**Note:** Transponder system was optional.

---

### 2008 MAGNUM (DODGE)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM FOBIK or use ILCO POD Key</td>
<td>FOBIK B</td>
<td>Yes</td>
<td>4 digit</td>
<td>with FOBIK Software</td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

### MID 2006-2007 MAGNUM (DODGE)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y164-PT</td>
<td>CAN 5</td>
<td>Yes</td>
<td>4 digit</td>
<td>Possible with ADS-157 on T-Code or 1 Token on MVP</td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

**Note:** A few models may use CAN 4. Vehicle also uses a Remote Head key from the factory.

---

### 2005 TO EARLY 2006 MAGNUM (DODGE)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y164-PT</td>
<td>CAN 1</td>
<td>Yes</td>
<td>4 digit</td>
<td>Possible with ADS-157 on T-Code or 1 Token on MVP</td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

**Note:** Overlapping mid-year change for 2006. A few models may use CAN 5. Remote Head key from the factory.

---

### 2000-2005 NEON (DODGE)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y160-PT</td>
<td>Type 2 VPW</td>
<td>No</td>
<td>4 digit</td>
<td>('01-'05) ADS-157 Software</td>
<td>C-Green Or SD</td>
</tr>
</tbody>
</table>

**Note:** PIN Read possible on 2001-2005 models only. Use AD-38 tool for 2000 model. Transponder optional.

---

### 2007-2012 NITRO (DODGE)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y164-PT</td>
<td>CAN 3</td>
<td>Yes</td>
<td>4 digit</td>
<td>Possible with ADS-157 on T-Code or 1 Token on MVP</td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

---

### 2004-2008 PACIFICA (CHRYSLER)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y164-PT</td>
<td>PACIFICA</td>
<td>No</td>
<td>4 digit</td>
<td>NO PIN READ AVAILABLE</td>
<td>C-Green Or SD</td>
</tr>
</tbody>
</table>

**Note:** Need Dealer PIN. No PIN Read. This van may also use a Remote Head Key.
## 2007-2017 PATRIOT (JEEP)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y164-PT</td>
<td>CAN 3</td>
<td>Yes</td>
<td>4 digit</td>
<td>Possible w/ ADS-157 on T-Code or 1 Token on MVP</td>
</tr>
</tbody>
</table>

**Note:** This vehicle also uses a Dealer Remote Head Key.

## 2015-2016 PROMASTER CITY (DODGE) WITH KEYED TYPE IGNITION

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use a SIP22 shell w/ Virgin 46 chip. Software can READ and Pre-Code the data to transponder using Smart Aerial ADC-242 or RW4 w/ ADC-243 Cable</td>
<td>Select by Vehicle</td>
<td>Built in</td>
<td>YES (5-Digit)</td>
<td>YES - Software Reads Pin Code</td>
</tr>
</tbody>
</table>

**Warning:** All keys lost on some 2dr. models requires BCM replacement. This will require dealer tool.

## 2015-2016 PROMASTER FULL SIZE WITH KEYED TYPE IGNITION

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use a SIP22 shell w/ Virgin 46 chip. Software can READ and Pre-Code the data to transponder using Smart Aerial ADC-242 or RW4 w/ ADC-243 Cable</td>
<td>Select by Vehicle</td>
<td>Built in</td>
<td>YES (5-Digit)</td>
<td>YES - Software Reads Pin Code</td>
</tr>
</tbody>
</table>

**Note:** Factory alarm should not interfere with programming on this model based on our testing.

## 2006-2010 PT CRUISER (CHRYSLER)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y164-PT</td>
<td>CAN 2</td>
<td>Yes</td>
<td>4 digit</td>
<td>Possible w/ ADS-157 on T-Code or 1 Token on MVP</td>
</tr>
</tbody>
</table>

**Note:** This vehicle also uses a Dealer Remote Head Key.

## 2001-2005 PT CRUISER (CHRYSLER)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y160-PT</td>
<td>Type 2 VPW</td>
<td>No</td>
<td>4 digit</td>
<td>Possible w/ ADS-157 on T-Code or 1 Token on MVP</td>
</tr>
</tbody>
</table>

**Note:** Transponder system was optional.
<table>
<thead>
<tr>
<th>Model Year</th>
<th>Ignition Type</th>
<th>Type Requirement</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013-2017 RAM PICK UP PROXIMITY TYPE IGNITIONS (Dodge)</td>
<td>ADS-195</td>
<td>Dealer Proximity Fob required</td>
<td>Select by Vehicle</td>
<td>Yes 4 digit</td>
<td>G-Tan Or SD</td>
</tr>
<tr>
<td>2013-2017 RAM PICK UP FOBIK TYPE IGNITIONS (Dodge)</td>
<td>ADS-195</td>
<td>OEM FOBIK or use ILCO POD Key Y170-PT</td>
<td>Select by Vehicle</td>
<td>Yes 4 digit</td>
<td>G-Tan Or SD</td>
</tr>
<tr>
<td>2009-2012 RAM 1500 PICK UP (Dodge) FOBIK with POWER WINDOWS &amp; LOCKS</td>
<td>ADS-173</td>
<td>OEM FOBIK or use ILCO POD Key Y170-PT</td>
<td>FOBIK B</td>
<td>Yes 4 digit</td>
<td>G-Tan Or SD</td>
</tr>
<tr>
<td>2009-2011 RAM 1500 PICK UP (Dodge) NO POWER LOCKS OR WINDOWS</td>
<td>ADS-156</td>
<td>POD Key Y170-PT</td>
<td>CAN 2</td>
<td>Yes 4 digit</td>
<td>G-Tan Or SD</td>
</tr>
<tr>
<td>2006-2008 RAM 1500 PICK UP (Dodge)</td>
<td>ADS-156</td>
<td>Y164-PT</td>
<td>CAN 2</td>
<td>Yes 4 digit</td>
<td>G-Tan Or SD</td>
</tr>
<tr>
<td>2002-2005 RAM 1500 PICK UP (Dodge)</td>
<td>ADS-113</td>
<td>Y160-PT</td>
<td>Type 2 VPW</td>
<td>No 4 digit</td>
<td>C-Green Or SD</td>
</tr>
<tr>
<td>2011-2012 RAM 2500/3500 PICK UP (Dodge)</td>
<td>ADS-173</td>
<td>OEM FOBIK or use ILCO POD Key Y170-PT</td>
<td>FOBIK B</td>
<td>Yes 4 digit &amp; Yes</td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>
## 2009-2010 RAM 2500/3500 PICK UP (Dodge)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y164-PT</td>
<td>CAN 2</td>
<td>Yes</td>
<td>4 digit</td>
<td>Possible w/ ADS-157 on T-Code or 1 Token on MVP</td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

## 2016 Renegade With Proximity Type Ignition (Jeep)

<table>
<thead>
<tr>
<th>OEM PROX</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>A Jeep or Fiat Prox fob will work. Only the logo is different.</td>
<td>Select by Vehicle</td>
<td>SD Handles Smart Card in background</td>
<td>Yes 5 DIGIT</td>
<td>YES Included in software</td>
<td>Requires Smart Dongle</td>
</tr>
</tbody>
</table>

MVP will use 1 token to read pin and 1 to program. Requires Latest Beta at time of printing.

### 2001-2006 Sebring 2 Dr Hardtop (Chrysler)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y165PT</td>
<td>Sebring 2Dr Htp</td>
<td>Yes</td>
<td>No</td>
<td>Not Needed</td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

**Note:** This vehicle can also be programmed as a Mitsubishi Eclipse.

### 2001-2006 Sebring 4 Dr Hardtop (Chrysler)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y160-PT</td>
<td>Type 2 VPW</td>
<td>Yes</td>
<td>4 digit</td>
<td>Possible w/ ADS-157 on T-Code or 1 Token on MVP</td>
<td>C-Green Or SD</td>
</tr>
</tbody>
</table>

**Note:** Transponder system was optional.

### 2007-2010 Sebring Convertible (Chrysler)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y164-PT</td>
<td>CAN 2</td>
<td>Yes</td>
<td>4 digit</td>
<td>Possible w/ ADS-157 on T-Code or 1 Token on MVP</td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

**Note:** This vehicle also use’s a Dealer Remote Head Key.

### 2001-2006 Sebring Convertible (Chrysler) (Chrysler)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y160-PT</td>
<td>Type 2 VPW</td>
<td>No</td>
<td>4 digit</td>
<td>Possible w/ ADS-157 on T-Code or 1 Token on MVP</td>
<td>C-Green Or SD</td>
</tr>
</tbody>
</table>

**Note:** Transponder system was optional.
### 1998-2000 Sebring Convertible (Chrysler) - ADS-113

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y160-PT</td>
<td>Type 1</td>
<td>No</td>
<td>4 digit</td>
<td>No PIN READ AVAILABLE</td>
<td>C-Green Or SD</td>
</tr>
</tbody>
</table>

**Note:** Need Dealer PIN

No Pin Read

Transponder system was optional.

### 2003-2006 Sprinter (Dodge) - ADS-137

<table>
<thead>
<tr>
<th>DEALER</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer Key Required</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>A code conversion is required from the dealer while you are plugged into the vehicle, to program keys.</td>
<td>D Blue</td>
</tr>
</tbody>
</table>

### 2001-2005 Stratus 2 Dr Hardtop (Dodge) - ADS-113

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y165PT</td>
<td>Sebring 2Dr Htp</td>
<td>Yes</td>
<td>No</td>
<td>Not Needed</td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

**Note:** This vehicle can also be programmed as a Mitsubishi Eclipse.

### 2001-2006 Stratus 4-Dr Hardtop (Dodge) - ADS-113

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y160-PT</td>
<td>Type 2 VPW</td>
<td>No</td>
<td>4 digit</td>
<td>Possible w/ ADS-157 on T-Code or 1 Token on MVP</td>
<td>C-Green Or SD</td>
</tr>
</tbody>
</table>

**Note:** Transponder system was optional.

### 1999-2000 Stratus 4-Dr Hardtop (Dodge) - ADS-113

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y160-PT</td>
<td>Type 1</td>
<td>No</td>
<td>4 digit</td>
<td>No PIN READ AVAILABLE</td>
<td>C-Green Or SD</td>
</tr>
</tbody>
</table>

**Note:** Need Dealer PIN

No Pin Read

Transponder system was optional.

### 2011-2016 Town & Country Limited with Optional Proximity - ADS-178

<table>
<thead>
<tr>
<th>OEM</th>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM FOBIK or use ILCO POD Key Y170-PT</td>
<td>FOBIK B</td>
<td>Yes</td>
<td>4 digit</td>
<td>Yes</td>
<td>G-Tan Or SD</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** 2011+ Town & Country “LIMITED” models may be equipped with an option called “Keyless Go” that includes a “Push-to-Start” button ignition. For programming the “Button” is removed and a Fobik Ignition is behind it. Use Proximity Match Keyless-Go as final step.

### 2011-2016 Town & Country (Chrysler) - ADS-173

<table>
<thead>
<tr>
<th>OEM</th>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM FOBIK or use ILCO POD Key Y170-PT</td>
<td>FOBIK B</td>
<td>Yes</td>
<td>4 digit</td>
<td>Yes</td>
<td>G-Tan Or SD</td>
<td></td>
</tr>
</tbody>
</table>
### 2009-2010 TOWN & COUNTRY (CHRYSLER)  
**ADS-173**

<table>
<thead>
<tr>
<th>OEM</th>
<th>ILCO SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM FOBIK or use ILCO POD Key</td>
<td>FOBIK A or B</td>
<td>Yes</td>
<td>4 digit</td>
<td>Yes</td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

**Note:** SEED-KEY ERROR on a FOBIK system means the wrong system has been selected.

### 2008 TOWN & COUNTRY (CHRYSLER)  
**ADS-156**

<table>
<thead>
<tr>
<th>OEM</th>
<th>ILCO SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM FOBIK or use ILCO POD Key</td>
<td>FOBIK A</td>
<td>Yes</td>
<td>4 digit</td>
<td>Yes</td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

### 2004-2007 TOWN & COUNTRY (CHRYSLER)  
**ADS-113**

<table>
<thead>
<tr>
<th>OEM</th>
<th>ILCO SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y164-PT PACIFICA</td>
<td>No</td>
<td>4 digit</td>
<td>NO PIN READ AVAILABLE</td>
<td>C-Green Or SD</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Need Dealer PIN. No PIN Read Available. This van may also use a Remote Head Key.

### 2001-2003 TOWN & COUNTRY (CHRYSLER)  
**ADS-113**

<table>
<thead>
<tr>
<th>OEM</th>
<th>ILCO SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y160-PT Type 2 VPW</td>
<td>No</td>
<td>4 digit</td>
<td>Possible w/ ADS-157 on T-Code or 1 Token on MVP</td>
<td>C-Green Or SD</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Transponder system was optional.

### 2001-2003 VOYAGER (CHRYSLER)  
**ADS-113**

<table>
<thead>
<tr>
<th>OEM</th>
<th>ILCO SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y160-PT Type 2 VPW</td>
<td>No</td>
<td>4 digit</td>
<td>Possible w/ ADS-157 on T-Code or 1 Token on MVP</td>
<td>C-Green Or SD</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Transponder system was optional.

### 2007-2017 WRANGLER (JEEP)  
**ADS-156**

<table>
<thead>
<tr>
<th>OEM</th>
<th>ILCO SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y164-PT CAN 3</td>
<td>Yes</td>
<td>4 digit</td>
<td>Possible w/ ADS-157 on T-Code or 1 Token on MVP</td>
<td>G-Tan Or SD</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** This vehicle also use’s a Dealer Remote Head Key.
### 2001-2006 WRANGLER (JEEP)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y160-PT</td>
<td>Type 2</td>
<td>No</td>
<td>4 digit</td>
<td>Possible w/ ADS-157 on T-Code or 1 Token on MVP</td>
<td>C - Green Or SD</td>
</tr>
</tbody>
</table>

**Note:** Transponder system was optional.

### 1998-2000 WRANGLER (JEEP)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y160-PT</td>
<td>Type 1</td>
<td>No</td>
<td>4 digit</td>
<td>NO PIN READ AVAILABLE</td>
<td>C - Green Or SD</td>
</tr>
</tbody>
</table>

**Note:** Need Dealer PIN

No Pin Read

Transponder system was optional.

---

**FOR BEST RESULTS WITH SKIM / PIN CODE READING ON ALL APPLICABLE VEHICLES**

**USE LATEST AVAILABLE BETA**
## TYPE 1 (CCD) IMMOBILIZER
(Selected by System)

### Special Functions

<table>
<thead>
<tr>
<th>ERASE - (optional)</th>
<th>T-CODE SOFTWARE #</th>
<th>CABLE / DONGLE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Erases all keys from memory</td>
<td>ADS-160</td>
<td>ADC-250 / ADC-251</td>
</tr>
<tr>
<td>ADD KEY - Programs keys in one at a time.</td>
<td></td>
<td>C (GREEN) DONGLE</td>
</tr>
<tr>
<td>Make sure to place the key you want to program in the ignition.</td>
<td>MAX # OF KEYS: 8</td>
<td>SMART DONGLE? YES</td>
</tr>
<tr>
<td>KEYS: LOCK TO VEHICLE Must be NEW but can be erased then re-programmed into same vehicle.</td>
<td>SECURITY: 4 DIGIT PIN</td>
<td></td>
</tr>
<tr>
<td>COMPONENTS MATCHED? YES, SKIM &amp; PCM ARE MATCHED</td>
<td>MATCHING CAPABILITY? TYPE 1 SKIM MODULES CAN BE MATCHED USING T-CODE / MVP.</td>
<td></td>
</tr>
<tr>
<td>They must be virgin (Brand New).</td>
<td></td>
<td>Once matched NEW keys will be needed. Any old keys cannot be re-used with the new SKIM.</td>
</tr>
</tbody>
</table>

### Tips:
- Make sure you have the correct transponder and if introducing new keys they cannot be already used (locked) from another vehicle.
- If theft light blinks or comes on steady the key/keys have not been accepted.

### More Info:

*CCD stands for Chrysler Collision Detection and is just an acronym used to describe the system.*
START HERE:
Select:
+CHRYSLER
+BY SYSTEM
+IMMOBILIZER
Then select the system.

VEHICLE SELECTION
SEBRING 2DR HTP
> TYPE 1
TYPE 2
PACIFICA
CHRYSLER CAN

OR

ECU IDENTIFICATION
CHRYSLER 94-98

PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

PRESS ENTER KEY

DIAGNOSTIC MENU
> CLEAR KEYS
PROGRAM KEYS
SKIM PROGRAMMING

PRESS ENTER KEY

SECURITY CODE
_ _ _ _

SECURITY CODE
8 2 9 7

IS CODE CORRECT
OK=ENTER         CLEAR=BACK

CLEAR KEYS
PROCEDURE COMPLETE

PRESS ENTER KEY

Note:
If you have CLEARED the keys (erased); it will be necessary to program in any keys that you want to operate.

Programming keys is outlined on the next page.

This is just an example, each vehicle is different. You need to get the PIN Code from the Dealer or Cross Country Road Service. Tech Support CANNOT provide a PIN Code for this type.

START HERE:
Select:
+CHRYSLER
+BY SYSTEM
+IMMOBILIZER
Then select the system.

VEHICLE SELECTION
SEBRING 2DR HTP
> TYPE 1
TYPE 2
PACIFICA
CHRYSLER CAN

OR

ECU IDENTIFICATION
CHRYSLER 94-98

PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

PRESS ENTER KEY

DIAGNOSTIC MENU
> CLEAR KEYS
PROGRAM KEYS
SKIM PROGRAMMING

PRESS ENTER KEY

SECURITY CODE
_ _ _ _

SECURITY CODE
8 2 9 7

IS CODE CORRECT
OK=ENTER         CLEAR=BACK

CLEAR KEYS
PROCEDURE COMPLETE

PRESS ENTER KEY

Note:
If you have CLEARED the keys (erased); it will be necessary to program in any keys that you want to operate.

Programming keys is outlined on the next page.

This is just an example, each vehicle is different. You need to get the PIN Code from the Dealer or Cross Country Road Service. Tech Support CANNOT provide a PIN Code for this type.
START HERE:

Select:
+CHRYSLER
+BY SYSTEM
+IMMOBILIZER

Then select the system.

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

PROGRAMMING KEYS

KEY PROGRAMMED
ENTER - PROG. MORE KEYS
BACK - EXIT ROUTINE

VEHICLE SELECTION

SEBRING 2DR HTP
> TYPE 1
TYPE 2
PACIFICA
CHRYSLER CAN

PROGRAMMING KEYS

SWITCH IGNITION ON
WITH NEW KEY
PRESS ENTER KEY

DIAGNOSTIC MENU

CLEAR KEYS
> PROGRAM KEYS
SKIM PROGRAMMING

SECURITY CODE

8 2 9 7
IS CODE CORRECT
OK=ENTER    CLEAR=BACK

This is just an example, each vehicle is different. You need to get the PIN Code from the Dealer or Cross Country Road Service. Tech Support CANNOT provide a PIN Code for this type.
**TYPE 2 (VPW) IMMOBILIZER**  
*(SELECTED BY SYSTEM)*

### SPECIAL FUNCTIONS

<table>
<thead>
<tr>
<th>FUNCTION</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ERASE</strong></td>
<td>Erases all keys from memory</td>
</tr>
<tr>
<td><strong>ADD KEY</strong></td>
<td>Programs keys in one at a time. Make sure to place the key you want to</td>
</tr>
<tr>
<td></td>
<td>program in the ignition.</td>
</tr>
</tbody>
</table>

### T-CODE SOFTWARE # | T-CODE SOFTWARE # | CABLE / DONGLE: |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ADS-160</td>
<td>ADS-160</td>
<td>ADC-250 / ADC-251</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C (GREEN) DONGLE</td>
</tr>
</tbody>
</table>

### MAX # OF KEYS: | SMART DONGLE? |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>YES</td>
</tr>
</tbody>
</table>

### KEYS: | SECURITY: |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LOCK TO VEHICLE</td>
<td>4 DIGIT PIN</td>
</tr>
<tr>
<td>Must be NEW but can be erased then re-programmed into same vehicle.</td>
<td><em>MUST OBTAIN PIN CODE - DEALER ETC.</em></td>
</tr>
</tbody>
</table>

*2001 & UP TYPE 2 PIN CODES CAN BE READ USING THE T-CODE / MVP |

*NO PIN READ AVAILABLE FOR 98-00 MODELS.*

### COMPONENTS MATCHED? | MATCHING CAPABILITY? |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>YES, SKIM &amp; PCM ARE MATCHED</td>
<td>YES, TYPE 2 SKIM MODULES CAN BE MATCHED USING T-CODE / MVP</td>
</tr>
</tbody>
</table>

They must be virgin (Brand New). Once matched NEW keys will be needed. Any old keys cannot be re-used with the new SKIM.

### SECURITY LIGHT / THEFT INDICATOR: |

Light should be out at end of procedure. If theft light blinks or comes on steady the key/keys have not been accepted.

### TIPS: |
Make sure you have the correct transponder and if introducing new keys they cannot be already used (locked) from another vehicle.

### MORE INFO: |
VPW stands for variable pulse width and is just an acronym to help describe the system.

### WATCH VIDEO - PIN READING ON CHRYSLER TYPE 2
TYPE 2 (VPW) IMMOBILIZER

- Erase Keys - Use this procedure if you want to ERASE all keys.

START HERE:
Select:
+CHRYSLER
+BY SYSTEM
+IMMOBILIZER
Then select the system.

VEHICLE SELECTION
SEBRING 2DR HTP
TYPE 1
> TYPE 2
PACIFICA
CHRYSLER CAN

ECU IDENTIFICATION
CHRYSLER 98-03

SECURITY CODE
8297
IS CODE CORRECT
OK=ENTER  CLEAR=BACK

CLEAR KEYS
PROCEDURE COMPLETE

- PRESS ENTER KEY

Note:
If you have CLEARED the keys (erased); it will be necessary to program in any keys that you want to operate.
Programming keys is outlined on the next page.

This is just an example, each vehicle is different. You need to get the PIN Code from the Dealer or Cross Country Road Service. Tech Support CANNOT provide a PIN Code for this type.
TYPE 2 (VPW) IMMOBILIZER

Use this method to: PROGRAM keys.

START HERE:
Select:
+CHRYSLER
+BY SYSTEM
+IMMOBILIZER

Then select the system.

Provides:

- ECU IDENTIFICATION
- FAULT CODES
- SPECIAL FUNCTIONS

PROGRAMMING KEYS

KEY PROGRAMMED
ENTER - PROG. MORE KEYS
BACK - EXIT ROUTINE

DIAGNOSTIC MENU

CLEAR KEYS
> PROGRAM KEYS
SKIM PROGRAMMING

PROGRAMMING KEYS

SWITCH IGNITION ON
WITH NEW KEY

PRESS ENTER KEY

VEHICLE SELECTION

SEBRING 2DR HTP
TYPE 1
> TYPE 2
PACIFICA
CHRYSLER CAN

START HERE:
Select:
+CHRYSLER
+BY SYSTEM
+IMMOBILIZER

Then select the system.

This is just an example, each vehicle is different. You need to get the PIN Code from the Dealer or Cross Country Road Service. Tech Support CANNOT provide a PIN Code for this type.

PROGRAMMING KEYS

SWITCH IGNITION ON
WITH NEW KEY

PRESS ENTER KEY

SECURITY CODE

8 2 9 7

IS CODE CORRECT
OK=ENTER   CLEAR=BACK

This is just an example, each vehicle is different. You need to get the PIN Code from the Dealer or Cross Country Road Service. Tech Support CANNOT provide a PIN Code for this type.
Type 2 (VPW) Immobilizer

Use this method to: Read Pin Code (possible only on 2001 and up Type 2 IMMO)

Read Pincode

Please have all unprogrammed keys cut. Proceed?
Yes=Enter  No=Back

Read Pincode

Vehicle ID supported

Read Pincode

Remove key from ign ignition on with a brass key
Press enter key

Remove the (brass key) from the ignition and wait a couple of seconds and then insert a unprogrammed transponder key (Y160-PT or 692325) turn it all the way on to the “Run” position. Then press “Enter”

Read Pincode

Remove non-transponder key (brass key) from the ignition and wait a couple of seconds and then insert it again turn it all the way on to the “Run” position. Then press “Enter”

Read Pincode

Please wait . . . . .
(This could take a minute or more)

Read Pincode

No brass key detect
Press enter key

If you get the above error message - check the following:
1) Make sure you have a non-transponder key in the ignition.
2) Make sure the key is turned all the way on to the “Run” position.
If you have checked above and still have this message, just try it again from the beginning.
Chrysler SKIM Functions for Type 1 & 2

The SKIM (Sentry Key Immobilizer Module) is located in the antenna ring. The antenna ring is what surrounds the ignition lock and makes the data exchange between the transponder chip in the key and the SKIM.

On some occasions, it may be necessary to replace the SKIM because of damage to the SKIM and the ignition lock due to a theft attempt. There are some cases of SKIM failure, resulting in replacement of the module.

**SKIM MODULE**

‘Type 1 or 2’ - SKIM Replaced Feature

**START HERE:**

Select:
+CHRYSLER
+BY SYSTEM
+IMMOBILIZER

Select the Type you are working on. Either Type 1 or Type 2.

Only Type 1 & 2 Skims are supported.

**VEHICLE SELECTION**

| IMMOBILISER REMOTE |

**VEHICLE SELECTION**

| SEBRING 2DR HTP  TYPE 1 TYPE 2 PACIFICA CHRYSLER CAN |

**DIAGNOSTIC MENU**

ECU IDENTIFICATION FAULT CODES

| SKIM PROGRAMMING |

TO PROGRAM SKIM
ENTER VEHICLE SECURITY CODE, REGION AND VIN.

PRESS ENTER KEY

**SECURITY CODE**

PLEASE SELECT CODE ENTRY METHOD

1. UP DOWN ARROWS
2. PHONE STYLE KEYPAD

Select #1 for the Up & Down arrow keys.
Chrysler SKIM Functions for Type 1 & 2 Contn’d

SECURITY CODE
0  _  _  _

If you do not know the PIN Code to the car - you can make your own. Only when you replace the SKIM can you do this.

SECURITY CODE
1 2 3 4

To enter the V.I.N. use the Up & Down arrow buttons.

IS CODE CORRECT
OK=ENTER CLEAR=BACK

As you press either the ‘Up’ or ‘Down’ buttons you will see that the digit in that position changes to the next digit.

MARKET OPTIONS
> uS
NON uS

Once you have the correct letter or number, press the ‘Enter’ button to move the cursor to the next position.

V I N
PLEASE SELECT CODE ENTRY METHOD
1. UP DOWN ARROWS
2. PHONE STYLE KEYPAD

Select #1 for the Up & Down arrow keys. This way you will be able to enter the Letters & Numbers of the V.I.N.

V I N
0 _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _

To enter the V.I.N. use the Up & Down arrow buttons.

Make sure you have entered the VIN to the vehicle you are working on CORRECTLY or the SKIM will be ruined and it will need to be replaced with a new one.

V I N
3C3EL55H9XT594291

NOTE:
A Blinking SKIM indicator light in the instrument cluster means that the key is not programmed in the vehicle. This could mean a bad key or a key that was already programmed into another vehicle already and must be replaced.

A Solid SKIM indicator light in the instrument cluster means that there is a problem with the SKIM and it might need replacing. There could also be a problem with the BCM or the PCM.

V I N
3C3EL55H9XT594291

ARE YOU SURE
YES=ENTER NO=BACK

SKIM PROGRAMMING
PLEASE WAIT

SKIM PROGRAMMING
PROCEDURE COMPLETE
PRESS ENTER KEY

Now you will need to program the keys. In most cases the keys will also have to be replaced with new ones.
‘Type 2’ - Change PIN

Use this method to: Change the Pin Code

START HERE:

Select:
+CHRYSLER
+BY SYSTEM
+SKIM (PIN) READ
+VPW

CHECK CODE PRO

DIAGNOSTIC MENU

> PIN FUNCTIONS
VIN NUMBER
MATCHING FUNCTIONS
ANTI THEFT LOCKOUT
VIRGINIZE SKIM

CHANGE PIN

SUCCESS

PRESS ENTER KEY

PIN FUNCTIONS

READ PINCODE
> CHANGE PIN CODE

SECURITY CODE

---

NEW PIN

---

You must know the existing PIN to the vehicle.

Enter your new PIN.

START HERE:

Select:
+CHRYSLER
+BY SYSTEM
+SKIM (PIN) READ
+VPW

START HERE:

CHECK CODE PRO

DIAGNOSTIC MENU

ECU IDENTIFICATION
SKIM READ VPW

PRESS ENTER KEY

ECU IDENTIFICATION

PRESS ENTER KEY

PRESS ENTER KEY

PRESS ENTER KEY

USE THE SMART DONGLE
FOR EASY ACCESS
USING BUILT IN SMART
CARD CALCULATOR

REQUIRES SMART CARD
CALCULATOR OR WEB
APP

START HERE:

Select:
+CHRYSLER
+BY SYSTEM
+SKIM (PIN) READ
+VPW

CHECK CODE PRO

DIAGNOSTIC MENU

> PIN FUNCTIONS
VIN NUMBER
MATCHING FUNCTIONS
ANTI THEFT LOCKOUT
VIRGINIZE SKIM

CHANGE PIN

SUCCESS

PRESS ENTER KEY

PIN FUNCTIONS

READ PINCODE
> CHANGE PIN CODE

SECURITY CODE

---

NEW PIN

---

You must know the existing PIN to the vehicle.

Enter your new PIN.

START HERE:

Select:
+CHRYSLER
+BY SYSTEM
+SKIM (PIN) READ
+VPW

CHECK CODE PRO

DIAGNOSTIC MENU

ECU IDENTIFICATION
SKIM READ VPW

PRESS ENTER KEY

ECU IDENTIFICATION

PRESS ENTER KEY

PRESS ENTER KEY

PRESS ENTER KEY

USE THE SMART DONGLE
FOR EASY ACCESS
USING BUILT IN SMART
CARD CALCULATOR

REQUIRES SMART CARD
CALCULATOR OR WEB
APP

START HERE:

Select:
+CHRYSLER
+BY SYSTEM
+SKIM (PIN) READ
+VPW

CHECK CODE PRO

DIAGNOSTIC MENU

> PIN FUNCTIONS
VIN NUMBER
MATCHING FUNCTIONS
ANTI THEFT LOCKOUT
VIRGINIZE SKIM

CHANGE PIN

SUCCESS

PRESS ENTER KEY

PIN FUNCTIONS

READ PINCODE
> CHANGE PIN CODE

SECURITY CODE

---

NEW PIN

---

You must know the existing PIN to the vehicle.

Enter your new PIN.

START HERE:

Select:
+CHRYSLER
+BY SYSTEM
+SKIM (PIN) READ
+VPW

CHECK CODE PRO

DIAGNOSTIC MENU

ECU IDENTIFICATION
SKIM READ VPW

PRESS ENTER KEY

ECU IDENTIFICATION

PRESS ENTER KEY

PRESS ENTER KEY

PRESS ENTER KEY

USE THE SMART DONGLE
FOR EASY ACCESS
USING BUILT IN SMART
CARD CALCULATOR

REQUIRES SMART CARD
CALCULATOR OR WEB
APP

START HERE:

Select:
+CHRYSLER
+BY SYSTEM
+SKIM (PIN) READ
+VPW

CHECK CODE PRO

DIAGNOSTIC MENU

> PIN FUNCTIONS
VIN NUMBER
MATCHING FUNCTIONS
ANTI THEFT LOCKOUT
VIRGINIZE SKIM

CHANGE PIN

SUCCESS

PRESS ENTER KEY

PIN FUNCTIONS

READ PINCODE
> CHANGE PIN CODE

SECURITY CODE

---

NEW PIN

---

You must know the existing PIN to the vehicle.

Enter your new PIN.
Sebring & Stratus
2-Door Hardtop
(SELECTED BY VEHICLE)

SPECIAL FUNCTIONS

CLEAR & INTRODUCE-

Each time programming is run all key memory is erased.

Only keys used in the programming sequence are programmed into memory.

Keys can be re-introduced later if left out.

T-CODE SOFTWARE # | CABLE / DONGLE:
---------------------|---------------------
ADS-160              | ADC-250 / ADC-251 C (GREEN) DONGLE

MAX # OF KEYS:        | SMART DONGLE?
---------------------|--------
8                    | YES

KEYS: SECURITY:

LOCK TO VEHICLE
Must be NEW but can be erased then re-programmed into same vehicle.

NO PIN CODE

COMPONENTS MATCHED?
IMMO & PCM ARE MATCHED

MATCHING CAPABILITY?
NONE

DEALER EQUIPMENT NEEDED TO MATCH COMPONENTS IF CHANGED

SECURITY LIGHT / THEFT INDICATOR:

Light should be out at end of procedure.
If theft light blinks or comes on steady the key/keys have not been accepted.

TIPS:

Make sure you have the correct transponder and if introducing new keys they cannot be already used (locked) from another vehicle.

MORE INFO:
Sebring & Stratus 2-Door Hardtop

Use this method to: PROGRAM KEYS

VEHICLE SELECTION

ACURA
CADILLAC
> CHRYSLER
DODGE
FORD USA

NOTE: No PIN needed on this car.

PROGRAM KEYS

> IMMOBILISER
REMOTE

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

NOTE: To Program Keys select that menu choice.
To see how many keys are currently programmed; select that menu choice.

PROGRAM KEYS

> SEBRING 2DR HTP
TYPE 1
TYPE 2
PACIFICA
CHRYSLER CAN

NOTE: To Program more than 1 key, press the Enter button and follow the Device on-screen prompts.

PROGRAM KEYS

SWITCH IGNITION ON
PRESS ENTER KEY

NOTE: All current keys will be erased.
Re-program any you wish to continue to work along with any new ones.

PROGRAM KEYS

KEYS PROGRAMMED: 1
BACK TO EXIT
ENTER TO PROGRAM NEXT KEY

PROGRAM KEYS

INSERT NEXT KEY
SWITCH IGNITION ON
AND THEN PRESS ENTER
WITHIN 5 SECONDS

PROGRAM KEYS

KEYS PROGRAMMED: 2
BACK TO EXIT
ENTER TO PROGRAM NEXT KEY

NOTE: No PIN needed on this car.

USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

REQUIRES SMART CARD CALCULATOR OR WEB APP
Sebring & Stratus 2-Door Hardtop

There are two possible reasons you may see an ERROR screen.

1) You are using the wrong key, this is the most common. Make sure your keys have an “N” stamped on the blade.

2) The Immobilizer System is locked. This occurs when you try to access the system too many times or have selected the wrong menu choice.

To unlock the system:

A) Disconnect the Device from the OBD2 port.

B) Leave the key turned to the ON position for at least 1 hour. Use a jumper box to prevent battery drain for 1 hour. After 1 hour remove key and start programming again.

Depending on how many fault codes are set will depend on how many screens are displayed. One example is shown below.

To Clear Fault Codes, select it from the Menu, as shown below.

DISPLAY FAULT CODES

| FAULT CODE: 9601 |
| WRONG KEY CODE |

CLEAR FAULT CODES

| Procedure Complete |

To Clear Fault Codes, select it from the Menu, as shown below.

DISPLAY FAULT CODES

| FAULT CODE: 9601 |
| WRONG KEY CODE |

CLEAR FAULT CODES

| Procedure Complete |

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### PACIFICA IMMOBILIZER SYSTEM
(Selected By System)

#### Special Functions

<table>
<thead>
<tr>
<th>Function</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Erase Keys</td>
<td>Erases all keys from memory</td>
</tr>
<tr>
<td>Program Keys</td>
<td>Programs keys in one at a time. Make sure to place the key you want to program in the ignition.</td>
</tr>
</tbody>
</table>

**T-Code Software #**

- ADS-160
- ADC-250 / ADC-251 C (Green) Dongle

**Max # of Keys:**

- 8

**Smart Dongle?**

- Yes

**Keys:**

- Keys lock to the vehicle and cannot be re-used on another vehicle.
- Keys can be erased then re-programmed into the same vehicle.

**Security:**

- 4 digit pin
  - *Must obtain pin code - Dealer etc.*
- No PIN read

**Components Matched?**

- Yes, SKIM & PCM are matched

**Matching Capability?**

- None

**Security Light / Theft Indicator:**

- Light should be out at end of procedure.
- If theft light blinks or comes on steady the key/keys have not been accepted.

**Tips:**

- Make sure you have the correct transponder and if introducing new keys they cannot be already used (locked) from another vehicle.

**More Info:**

- When programming RKE keys the buttons program in along with the transponder. There is no separate procedure.
- If RKE buttons do not program but transponder does there is a problem either with the key (Possibly wrong part used) or with the system (fuse blown etc).

**Watch Video - 2007 Dodge Caravan on Pacifica System**
PACIFICA
IMMOBILIZER SYSTEM

Use this method to Erase Keys - (Optional)

START HERE:
Select:
+ CHRYSLER
+ BY SYSTEM
+ IMMOBILIZER
+ PACIFICA

DIAGNOSTIC MENU

SECURITY CODE
_ _ _ _

CLEAR KEYS
PROGRAM KEYS

SECURITY CODE
8 2 9 7

IS CODE CORRECT
OK=ENTER
CLEAR=BACK

This is just an example, each vehicle is different. You need to get the PIN Code from the Dealer or NASTF.

CLEAR KEYS
PROCEDURE COMPLETE

PRESS ENTER KEY

SWITCH IGNITION ON
PRESS ENTER KEY

ECU IDENTIFICATION
PACIFICA / CARAVAN
PRESS ENTER KEY

Note: ONLY USE ERASE KEYS IF YOU WANT TO.
If you have CLEARED the keys (erased); it will be necessary to program in any keys that you want to operate.
Programming keys is outlined on the next page.
PACIFICA
IMMOBILIZER SYSTEM

Use this method to Program Keys

START HERE:

Select:
+CHRYSLER
+BY SYSTEM
+IMMOBILIZER
+PACIFICA

DIAGNOSTIC MENU
CLEAR KEYS
> PROGRAM KEYS

PROGRAMMING KEYS
SWITCH IGNITION ON
WITH NEW KEY
PRESS ENTER KEY

SECURITY CODE
_ _ _ _

If programming more keys, stay connected. Switch to the new key each time, making sure that the key you want to program is the one in the ignition.

This is just an example, each vehicle is different. You need to get the PIN code from the Dealer or NASTF.

ECU IDENTIFICATION
PACIFICA / CARAVAN
PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

MAKE SURE THE KEY YOU WANT TO PROGRAM IS THE ONE IN THE IGNITION

Switch ignition on
PRESS ENTER KEY

Security code
8297
Is code correct
OK=ENTER
CLEAR=BACK

Use the smart dongle for easy access using built in smart card calculator

Requires smart card calculator or web app

Or

Use the smart dongle for easy access using built in smart card calculator

Requires smart card calculator or web app

Or

Make sure the key you want to program is the one in the ignition

If programming more keys, stay connected. Switch to the new key each time, making sure that the key you want to program is the one in the ignition.
• Fault Codes is a way for the vehicle to report problems it has with hardware on it.
• A problem with the fuel pump would be a hardware problem. The fault code would have an ID and a short description of the problem.
• Transponder keys and parts that make up the transponder system have fault codes associated with them.
• If everything is working fine there should be no fault codes.

START HERE:

Select:
+CHRYSLER
+BY SYSTEM
+IMMOBILIZER
+PACIFICA

DIAGNOSTIC MENU

READ FAULT CODES

ECU IDENTIFICATION
> FAULT CODES
SPECIAL FUNCTIONS

CLEAR FAULT CODES

DIAGNOSTIC MENU

READ FAULT CODES
 CLEAR FAULT CODES

PRESS ENTER KEY

PRESS ENTER KEY

Depending on how many fault codes are set will depend on how many screens are displayed. One example is shown below.

DISPLAY FAULT CODES

FAULT CODE: 9601
WRONG KEY CODE

PRESS ENTER KEY

CLEAR FAULT CODES

PROCEDURE COMPLETE

PRESS ENTER KEY

To Clear Fault Codes, select it from the Menu, as shown below.
## SPECIAL FUNCTIONS

### PROGRAM KEYS
- This function programs keys one at a time. Perform this function for each key you want to program making sure that the key you want to program is inserted into the ignition and switched to the ON position first. Keys can be re-introduced later if left out.

### ERASE KEYS
- This function erases all currently programmed keys from the vehicle.

### KEYS PROGRAMMED
- Displays the number of keys currently programmed.

### REMOTE
- This is programming or erasing remotes.

Most CAN keys use the remote head programs automatically as part of the immobilizer programming.

(Note: Some CAN keys on 04> Durango and Dakota use this if the vehicle is not transponder equipped.

See if the car starts with a just a brass/metal key.

### SKIM READING
- SKIM is an acronym for the module that holds the immobilizer data. (Sentry Key immobilizer Module)

SKIM reading is a very useful function that actually reads the cars PIN CODE directly from the cars SKIM.

(See our KEY LOOK UP GUIDE to see if we list a particular make and model as “possible” or not.)

### SECURITY LIGHT / THEFT INDICATOR
- Light should be out at end of procedure.
- If theft light blinks or comes on steady the key/keys have not been accepted.

### TIPS
- Make sure you have the correct transponder and if introducing new keys they cannot be already used (locked) from another vehicle.

### WATCH VIDEO
- READ PIN & PROGRAM A REMOTE HEAD KEY ON A 2008 DODGE DURANGO USING MVP PRO

### MORE INFO
- If programming RKE keys the buttons program in along with the transponder.

**EXCEPTION - DURANGO / DAKOTA / RAIDER NON-TRANSPONDER EQUIPPED VEHICLES - USE PROGRAM REMOTES.**

See if the car starts and runs with a non-transponder key, if so use “PROGRAM REMOTES”.

**CAN stands for Controller Area Network and is just an acronym to describe the system. It does NOT stand for CANADA.**

---

### T-CODE SOFTWARE #

<table>
<thead>
<tr>
<th>ADS-156 CAN 1-5 &amp; FOBIK A</th>
<th>ADS-173 FOBIK B</th>
</tr>
</thead>
</table>

### CABLE / DONGLE:

<table>
<thead>
<tr>
<th>ADC-250 / ADC-251 G (GREY) DONGLE USE BETA</th>
</tr>
</thead>
</table>

### MAX # OF KEYS:

| 8 |

### SMART DONGLE?

| YES |

### SECURITY:

<table>
<thead>
<tr>
<th>4 DIGIT PIN *MUST OBTAIN PIN CODE - DEALER ETC.</th>
</tr>
</thead>
</table>

| PIN READ IS AVAILABLE ON MOST BUT NOT ALL, CHECK THE KEY LOOK UP GUIDE. |

### COMPONENTS MATCHED?

| YES, SKIM & PCM ARE MATCHED |

### MATCHING CAPABILITY?

| NONE |

| DEALER EQUIPMENT NEEDED TO MATCH COMPONENTS IF CHANGED |

---

**CAN** stands for **Controller Area Network** and is just an acronym to describe the system. It does **NOT** stand for **CANADA**.
START HERE:

Select:
+CHRYSLER
+BY SYSTEM
+IMMOBILIZER

NEXT: SELECT THE SYSTEM WE LIST IN THE KEY LOOK UP GUIDE.

DIAGNOSTIC MENU

> ECU IDENTIFICATION
> SPECIAL FUNCTIONS

PROGRAM KEYS
> ERASE KEYS
KEYS PROGRAMMED

SECURITY CODE

_ _ _ _

1 2 3 4 5
6 7 8 9 0

ERASE KEYS

PLEASE WAIT

SECURITY CODE

4 4 7 7

(this is just an example)

KEYS PROGRAMMED

KEYS PROGRAMMED: 0

PRESS ENTER KEY

WHEN ERASING KEYS IT DOES NOT MATTER WHAT KEY IS IN THE IGNITION.

STAY CONNECTED AND USE PROGRAM KEYS TO ADD KEYS BACK.
START HERE:

Select:  
+CHRYSLER  
+BY SYSTEM  
+IMMOBILIZER

NEXT: SELECT THE SYSTEM WE LIST IN THE KEY LOOK UP GUIDE.

SWITCH IGNITION ON
Follow the screens carefully, some later FOBIK systems instruct to leave the ignition OFF

PRESS ENTER KEY

ECU IDENTIFICATION
VIN: 3A8FY58B66T278492
Part No.: 05026218AP
S/W Ver. : 32.05.01
COUNTRY CODE: 2 - USA

PRESS ENTER KEY

ECU IDENTIFICATION
VIN: 1D3HV18P79S803764
Part No.: 05026364AK

PRESS ENTER KEY

DIAGNOSTIC MENU
> ECU IDENTIFICATION
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU
> PROGRAM KEYS
ERASE KEYS
KEYS PROGRAMMED

SECURITY CODE
_ _ _ _
1 2 3 4 5
6 7 8 9 0

SECURITY CODE
4 4 7 7
(this is just an example)

PROGRAM KEYS
PLEASE WAIT

KEYS PROGRAMMED
KEYS PROGRAMMED: 1

PRESS ENTER KEY

IF YOU WANT TO PROGRAM MORE KEYS  
STAY CONNECTED AND REPEAT THIS PROCEDURE FOR EACH KEY.

MAKE SURE THE KEY YOU WANT TO PROGRAM IS IN THE IGNITION
CAN 1 thru CAN 5
& FOBIK IMMOBILIZER

Use this method to READ HOW MANY KEYS ARE PROGRAMMED

START HERE:
Select:
+CHRYSLER
+BY SYSTEM
+IMMOBILIZER

NEXT: SELECT THE SYSTEM WE LIST IN THE KEY LOOK UP GUIDE.

ECU IDENTIFICATION
VIN: 3A8FY58B66T278492
Part No.: 05026218AP
S/W Ver.: 32.05.01
COUNTRY CODE: 2 - USA

PRESS ENTER KEY

KEYS PROGRAMMED
PLEASE WAIT
............

PRESS ENTER KEY

DIAGNOSTIC MENU
> ECU IDENTIFICATION
> SPECIAL FUNCTIONS

PRESS ENTER KEY

DIAGNOSTIC MENU
PROGRAM KEYS
ERASE KEYS
> KEYS PROGRAMMED

PRESS ENTER KEY

ECU IDENTIFICATION
VIN: 1D3HV18P79S803764
Part No.: 05026364AK

PRESS ENTER KEY

IT'S A GOOD IDEA TO ALWAYS LOOK AT THIS INFO FIRST BEFORE DOING ANY PROGRAMMING

PRESS ENTER KEY

ITS A GOOD IDEA TO ALWAYS LOOK AT THIS INFO FIRST BEFORE DOING ANY PROGRAMMING

PRESS ENTER KEY

PRESS ENTER KEY
CAN 1 thru CAN 5
& FOBIK IMMOBILIZER

Use this method to READ PIN CODE

START HERE:
Select:
+CHRYSLER
+SKIM (PIN) READ
+BY SYSTEM or BY VEHICLE

NEXT: SELECT THE SYSTEM WE LIST IN THE KEY LOOK UP GUIDE. Use what we suggest.

SWITCH IGNITION ON
PRESS ENTER KEY

ECU IDENTIFICATION
VIN: 1D3HV18P79S803764
Part No.: 05026364AK

PRESS ENTER KEY

DIAGNOSTIC MENU
> READ PINCODE
VIN NUMBER

READ PINCODE- This function should READ the Pin Code from the vehicle. (If possible)

VIN NUMBER- This function is for editing the VIN number that is stored in the vehicle. WARNING: This is for expert users and should only be attempted if parts have been changed.

SUCCESS! Here we see the PIN CODE has been read and displayed.
Switch the Ignition OFF and then back off before going to IMMOBILIZER.
WATCH VIDEO-
TIMEOUT FAILED ON CHRYSLER

Check that a VIRGIN key is being used!

Possible causes:
A) Key in ignition is already programmed
B) Key in ignition is N/G (locked chip, no chip, wrong chip?)
C) serious problem with immobilizer. (for example: The antenna ring is malfunctioning)

Checking FAULT CODES may help identify problem

POSSIBLE PINCODE-

If the Pro is unable to auto-identify the SKIM part number and PIN CODE you will get a message like this.

Please try the pin codes displayed and report the results to us.

Send a pic of the screen and include the VIN # and actual pin if possible to john@adusa.us

We will use this info to improve the Skim Reading Software
NON-TRANSPONDER BASED CAN 1 & CAN 4 VEHICLES (SELECTED BY SYSTEM)

SPECIAL FUNCTIONS:

<table>
<thead>
<tr>
<th>FUNCTION</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROGRAM KEYS</td>
<td>This function programs keys one at a time. Perform this function for each key you want to program making sure that the key you want to program is inserted into the ignition and switched to the ON position first. Keys can be re-introduced later if left out.</td>
</tr>
<tr>
<td>ERASE KEYS</td>
<td>On Non-Transponder vehicles this function erases all currently programmed REMOTES from the vehicle.</td>
</tr>
<tr>
<td>KEYS PROGRAMMED</td>
<td>On Non-Transponder vehicles this displays the number of REMOTES currently programmed.</td>
</tr>
<tr>
<td>REMOTE</td>
<td>This is programming or erasing remotes. Most CAN keys the remote head programs in automatically as part of the IMMOBILIZER programming.</td>
</tr>
<tr>
<td>SKIM READING</td>
<td>SKIM is an acronym for the module that hold the immobilizer data. (Sentry Key immobilizer Module) SKIM READING is a very useful function that actually reads the cars PIN CODE directly from the cars SKIM. (See the KEY GUIDE SECTION to see if we list a particular make and model as “possible” or not.)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>T-CODE SOFTWARE #</th>
<th>CABLE / DONGLE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADS-156 CAN 1-5</td>
<td>ADC-250 / ADC-251 G (GREY) DONGLE USE BETA</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MAX # OF KEYS:</th>
<th>SMART DONGLE?</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>YES</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>KEYS PROGRAMMED</th>
<th>SECURITY LIGHT / THEFT INDICATOR:</th>
</tr>
</thead>
<tbody>
<tr>
<td>RKE KEYS FOR THESE ARE RE-USABLE (Because only the RKE part is being utilized.</td>
<td>Light should be out at end of procedure. If theft light blinks or comes on steady the key/keys have not been accepted.</td>
</tr>
<tr>
<td></td>
<td>4 DIGIT PIN *MUST OBTAIN PIN CODE - DEALER ETC.</td>
</tr>
<tr>
<td></td>
<td>PIN READ IS AVAILABLE ON MOST BUT NOT ALL, CHECK THE KEY LOOK UP GUIDE.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MATCHING CAPABILITY?</th>
<th>COMPONENTS MATCHED?</th>
</tr>
</thead>
<tbody>
<tr>
<td>NONE</td>
<td>YES</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SECURITY LIGHT / THEFT INDICATOR:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light should be out at end of procedure. If theft light blinks or comes on steady the key/keys have not been accepted.</td>
</tr>
</tbody>
</table>

TIPS:

Verify vehicle is non-transponder based (starts and runs with a metal key) before using these instructions

MORE INFO:

These special instructions are only for certain CAN vehicles that have a SKIM but do not require a transponder to start the vehicle. Once you have verified by cutting a METAL key that the car starts and runs, USE THESE INSTRUCTIONS. Even though they do not require a transponder they still have a PIN number.

Unlike most other REMOTE systems, these use TOKENS to program if using MVP PRO.

CAN stands for Controller Area Network and is just an acronym to describe the system. It does NOT stand for CANADA.
CAN Non-Transponder

Use this method to PROGRAM REMOTE HEAD KEYS
(NON-TRANSPOUNDER VEHICLES ONLY)

Once you have verified by cutting a METAL key that the car starts and runs, USE THESE INSTRUCTIONS.

<table>
<thead>
<tr>
<th>Year Range</th>
<th>Model</th>
<th>CAN Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>2004-2006</td>
<td>DURANGO</td>
<td>CAN 1</td>
</tr>
<tr>
<td>2007-2009</td>
<td>DURANGO</td>
<td>CAN 4</td>
</tr>
<tr>
<td>2005-2011</td>
<td>DAKOTA / RAIDER</td>
<td>CAN 1</td>
</tr>
<tr>
<td>2012-2013</td>
<td>DAKOTA / RAIDER</td>
<td>CAN 4</td>
</tr>
</tbody>
</table>

ON THE ABOVE LISTED MODELS:
Try using a non-transponder key to start the vehicle.
If the engine starts and runs then you have a non-transponder equipped model.
These use a REMOTE HEAD KEY. The same part is used as on the transponder model.
The RKE buttons are programmed using this method.
PIN CODE IS REQUIRED.

START HERE:
Select:
+CHRYSLER
+BY SYSTEM
+IMMOBILIZER

NEXT: SELECT THE SYSTEM WE LIST ABOVE. IE CAN 1 or CAN 4

1) Sit in driver’s seat.
2) Make sure all doors are closed.
3) Put seat belt on.
4) Make sure there is nobody else in the front seats.
Once you enter remote programming a chime will be heard. the screen will display the number of KEYS programmed , in this case KEYS = REMOTES.

TO ERASE REMOTES (if required) use ERASE KEYS function.

Press the Lock & Unlock buttons together for 1 second & then quickly press the Unlock button for 1 second. Remember you have limited time to perform this function.

KEYS PROGRAMMED=# of REMOTES.
Press the Enter button when done.
FOBIK IMMOBILIZER WITH OPTIONAL KEYLESS GO SYSTEM

Chrysler / Dodge “Keyless GO” proximity systems was first introduced on the 2009 Dodge Challenger as optional upgrades. Then expanded on to the 2011-13 Dodge Durango & Jeep Grand Cherokee.

These vehicle have a removable “Push to Start” button. The button (shown above left) snaps into place and is easily removed to expose a Fobik ignition switch hidden behind it. (Shown above right)

When the proximity Fobik remote is recognized inside the vehicle - the driver can press on the brake pedal and press the “Start” button to start and stop the engine.

Fobik KEYLESS GO proximity remote’s are programmed just like other Fobik remote’s by inserting them into the Fobik ignition switch and programming them using the same procedures used on other FOBIK systems.

On the Keyless Go system anytime any programming procedures are performed on the FOBIK keys there is a matching function called “MATCH KEYLESS GO” on the menu that must be performed as a last step after programming all keys.

This function enables the PUSH TO START button to work.

Without performing this function the FOBIK keys will only function by inserting the keys in the ignition with the button removed. The matching is always performed last and after any keys are added or deleted. Once this function is completed the Fobik keys will operate as PROXIMITY keys, allowing the vehicle to start with the “Start” push button installed.
Use this method as a final step on “Keyless GO” Systems
Perform this as a last step after programming the FOBIK the same way as any other FOBIK system.
This final step is needed to make the KEYLESS GO function work.

First program all the keys you want to program in the FOBIK Ignition so that they work as regular FOBIK keys.
Once this is completed use the Back button twice to bring you back to the main Chrysler menu.

Now perform the steps shown below.
This final step is necessary to activate the Keyless GO proximity and match the Keyless Go system.

Select:
+CHRYSLER
+BY SYSTEM
+PROXIMITY
FOBIK KEYLESS ‘N’ GO

SWITCH IGNITION ON
PRESS ENTER KEY

Use any programmed FOBIK key here

If the wrong PIN code is entered you will place the vehicle in lock out mode.
To Exit lock out mode - You must turn the key on for 1 hour +5 min and leave it that way.
Make sure the battery does not run down - or you will have to start over.
Then use the “PEM LOCKOUT RESET” under the Keyless GO menu.
Then Re-Try > Match Keyless Go and make sure to enter the correct PIN.
DODGE
DART & RAM PIN READING

Use this method to READ THE PIN CODE on 2013+ DART / RAM

Requires Smart Dongle and ADS234 Software on T-Code
Smart Dongle and 1 token on MVP
Released on V12.96 or higher make sure unit is updated before attempting.

START HERE:
Select:
+DODGE
+ NORTH AMERICA
+BY VEHICLE
+RAM OR DART (Pick the one you are on)
+2013
+SKIM READING

HAZARDS ON / IGNITION OFF
PRESS ENTER KEY

ECU IDENTIFICATION
VIN: 3C6TRDT3EG30135B
Part No : 68213675AF
HARDWARE No. : OD. 12 .01.
SOFTWARE No: OE .03 .01.
PRESS ENTER KEY

SUCCESS! Here we see the PIN CODE has been read and displayed.
Switch the Ignition OFF and then back off before going to IMMOBILIZER.
If the PRO is unable to READ the PIN CODE this may be an indication of a deeper vehicle related issue.

POSSIBLE PINCODE-

If the Pro is unable to auto-identify the SKIM part number and PIN CODE you will get a message like this.

While the software is extremely powerful and should be successful on covered/listed vehicles in some rare instances YOU MAY BE HAVE TO RESORT TO GETTING THE PIN FROM THE DEALER OR NASTF.

Please report any Pin Reading issues:
If at all possible please send a pic of the screen and include the VIN # and actual pin to john@adusa.us

We will use this info to improve the Skim Reading Software

<table>
<thead>
<tr>
<th>PART NO. : 56046809AG</th>
</tr>
</thead>
<tbody>
<tr>
<td>07 00 00 0A 0A 05 00 00</td>
</tr>
<tr>
<td>00 05 00 00 60 20 30 00</td>
</tr>
<tr>
<td>55 22 66 79 00 00 00 00</td>
</tr>
<tr>
<td>86 75 30 90 00 00 00 00</td>
</tr>
</tbody>
</table>

PRESS ENTER KEY
RFH SYSTEMS
( gen4 rfh selected by system,
later models selected by vehicle)

RFH stands for Radio Frequency Hub and is just an acronym to help describe the system.

SPECIAL FUNCTIONS

<table>
<thead>
<tr>
<th>FUNCTION</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROGRAM PROX</td>
<td>This function PROGRAMS keys one at a time. Perform this function for each key you want of program making sure that the key you want to program is inserted into the ignition and switched to the ON position first. Keys can be re-introduced later if left out.</td>
</tr>
<tr>
<td>ERASE PROX</td>
<td>This function ERASES all currently programmed keys from the vehicle.</td>
</tr>
<tr>
<td>PROX PROGRAMMED</td>
<td>Displays the number of keys currently programmed.</td>
</tr>
<tr>
<td>SKIM READING</td>
<td>SKIM is an acronym for the module that hold the immobilizer data. (Sentry Key immobilizer Module) SKIM READING is a very useful function that actually reads the cars PIN CODE directly from the cars SKIM. (See our KEY LOOK UP GUIDE to see if we list a particular make and model as “possible” or not.)</td>
</tr>
</tbody>
</table>

TIPS:
Make sure you have the correct prox. There are many different part numbers and only some are interchangeable.

Make sure the prox key has a good battery inside it.

T-CODE SOFTWARE #       | CABLE / DONGLE: |
------------------------|----------------|
ADS-178                 | ADC-250 / ADC-251 G (GREY) DONGLE USE BETA |

MAX # OF KEYS:          | SMART DONGLE? |
------------------------|---------------|
8                       | YES           |

KEYS:                   | SECURITY:     |
------------------------|---------------|
GEN4 RFH PROX KEYS are re-usable. However, later model PROX keys NOT on the RFH GEN4 system most are NOT re-usable. | 4 DIGIT PIN *MUST OBTAIN PIN CODE - DEALER ETC. |
PIN READ IS AVAILABLE ON MOST BUT NOT ALL, CHECK THE KEY GUIDE. |
COMPONENTS MATCHED?     | NONE |
YES, RFH & PCM ARE MATCHED |
MATCHING CAPABILITY?    | DEALER EQUIPMENT NEEDED TO MATCH COMPONENTS IF CHANGED |
SECURITY LIGHT / THEFT INDICATOR: Light should be out at end of procedure. If theft light blinks or comes on steady the key/keys have not been accepted.

WATCH “HOW TO” VIDEOS

2014 DODGE CHARGER READ PIN AND PROGRAM PROX KEY

2016 DODGE CHARGER PROGRAM PROX KEY

MORE INFO:
The “Sweet Spot” for programming is usually over the center console near the gear shift. Hold the Prox over this area when programming. However if you are having trouble it may help to hold it closer to the Start Stop Button.
Use this method to READ THE PIN CODE on “GEN 4 RFH”

START HERE:

Select:
+CHRYSLER
+BY SYSTEM
+SKIM (PIN) READ
2011 GEN 4 (RFH)

DIAGNOSTIC MENU

ECU IDENTIFICATION
>
SPECIAL FUNCTIONS

PRESS ENTER KEY

READ PIN CODE: Reads the cars PIN CODE.

RESET ECU: Clears the time lockout if the wrong pin has been entered 3 times.

DIAGNOSTIC MENU

READ PIN CODE
RESET ECU

PRESS ENTER KEY

HAZARDS ON / IGNITION OFF

PRESS ENTER KEY

Turn on the Emergency Flashers.

ECU IDENTIFICATION

VIN: 1D3HV18P79S803764
Part No.: 05026364AK
S/W Ver.: 10.30.02
COUNTRY CODE: 2-USA

PRESS ENTER KEY

READ PINCODE

PINCODE: 1234
(Just an example)

PRESS ENTER KEY
CHRYSLER PROX
RFH SYSTEMS

Use this method to ERASE PROX on “GEN 4 RFH”

START HERE:

Select:
+CHRYSLER
+BY SYSTEM
+PROXIMITY
2011 GEN 4 (RFH)
OR
SELECT BY VEHICLE -
SEE KEY LOOK UP GUIDE.

[Diagram of CHRYSLER PROX RFH SYSTEMS]

ECU IDENTIFICATION

VIN: 1D3HV18P79S803764
Part No.: 05026364AK

PRESS ENTER KEY

Turn on the Emergency Flashers.

[Table: Security Code]

SECURITY CODE

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>0</td>
</tr>
</tbody>
</table>

SECURITY CODE

4 4 7 7
(This is just an example)

X

PRESS ENTER KEY

ERASE PROX

PROX PROGRAMMED: 0

(All Prox have been erased -
Now go to “Program Prox”)

PRESS ENTER KEY

Now go back to the main menu
ADD PROX on next page
START HERE:

Select:
+CHRYSLER
+BY SYSTEM
+PROXIMITY
2011 GEN 4 (RFH)
OR
SELECT BY VEHICLE - SEE KEY LOOK UP GUIDE.

HAZARDS ON / IGNITION OFF
PRESS ENTER KEY

Turn on the Emergency Flashers.

ECU IDENTIFICATION
VIN: 1D3HV18P79S803764
Part No.: 05026364AK
PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODE
> SPECIAL FUNCTIONS
PRESS ENTER KEY

DIAGNOSTIC MENU

> PROGRAM PROX
ERASE PROX
PROX PROGRAMMED

You will be required to enter the PIN Code. The PIN Code can usually be read from the car on Gen4 RFH system but later RFH systems cannot be read at this time. Check the KEY LOOK UP GUIDE.

SECURITY CODE
_ _ _ _
1 2 3 4 5
6 7 8 9 0

SECURITY CODE
4 4 7 7
(This is just an example)

PROGRAM PROX

MAKE SURE ALL WIRELESS DEVICES FOR EXAMPLE LAPTOP CELL PHONES ARE NOT CLOSE TO THE PROX BEING PROGRAMMED

PRESS ENTER KEY
CHRYSLER PROX
RFH SYSTEMS

Use this method to ADD PROX on RFH Systems

**WARNING**
- FOLLOW NEXT SCREENS CAREFULLY
- COMPLETE OPERATION WITHIN 60 Sec.
- AFTER PRESSING ENTER

**PROGRAM PROX**
- PROX PROGRAMMED: 3
  (Now program any additional Fobik's)

PRESS ENTER KEY

**PROGRAM PROX**
- HOLD PROX NEAR CENTER CONSOLE
- PRESS AND RELEASE THE UNLOCK BUTTON TWICE ON THE PROX REMOTE
- The screen says press the button twice but we’ve found it’s best to press it repeatedly while holding it up near the center console, until it programs.

NOTE: The “Sweet Spot” for programming is over the center console near the gear shift lever.

Test all prox keys for proper operation.

**TROUBLESHOOTING**

**TIMEOUT FAILED**
Possible causes:
A) PROX is already programmed

B) PROX is N/G (locked PROX?, bad battery?, wrong PROX part #?)

C) Serious problem with immobilizer. (for example: The antenna ring is malfunctioning)

Check FAULT CODES.
## SPECIAL FUNCTIONS

**SKIM READING - READ PIN CODE**
Reads the 5 digit pin code from the vehicle. This must be done 1st to get the cars pin code.

**PROGRAM KEY**
This function programs PROX keys one at a time without erasing any previously programmed prox.

**ERASE KEY**
This function erases all currently programmed PROX keys from the vehicle.

**KEYS PROGRAMMED**
Displays the number of PROX keys currently programmed.

**T-CODE SOFTWARE #**
- ADS-234

**CABLE / DONGLE:**
- ADC-250 / ADC-251
  - Requires Smart Dongle

**MAX # OF KEYS:**
- 8

**SMART DONGLE?**
- Yes

**PROX KEYS:**
**SECURITY:**
- Keys lock to the vehicle
- Keys must be new & virgin but they can be erased & re-programmed back into same vehicle.
- 5 digit pin must be read directly from the car. NASTF and dealer cannot supply the 5 digit pin.

**COMPONENTS MATCHED?**
- Yes, RFH, BCM & PCM are matched

**MATCHING CAPABILITY?**
- None
- Dealer equipment needed to match components if changed

**SECURITY LIGHT / THEFT INDICATOR:**
Light should be out at end of procedure. If theft light blinks or comes on steady the key/keys have not been accepted.

**TIPS:**
- Make sure you have the correct transponder and if introducing new keys they cannot be already used (locked) from another vehicle.

**WATCH VIDEO:**

---

**MORE INFO:**
If programming OEM FOBiK keys or OEM PROX FOBS the buttons program in along with the transponder. There is no separate procedure.
START HERE:
Select:
+CHRYSLER
+N. AMERICA
+BY VEHICLE
+SKIM READING
+200
+2015>
+PROX

USE OF THIS SOFTWARE REQUIRES SMART DONGLE

SKIM READING

HAZARDS ON / IGNITION OFF

PRESS ENTER KEY

ECU IDENTIFICATION

VIN: 1C3CCCABXF123456
PART NO: 68155691AH
KEYS PROGRAMMED: 02

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
> SPECIAL FUNCTIONS

PRESS ENTER KEY

DIAGNOSTIC MENU

> READ PINCODE

PRESS ENTER KEY

SEED-KEY ERROR

If you get this message make sure you are selecting the correct vehicle.

SKIM READING

SWITCH PRO OFF

PRESS ENTER KEY

AFTER READING THE PIN THE PRO MUST BE SWITCHED OFF BEFORE YOU CAN CONTINUE

PIN CODE IS 5 DIGITS

WRITE DOWN THE PINCODE. ONCE YOU HAVE IT, IT NEVER CHANGES.

PIN CODE MUST BE READ AS SHOWN.

THE 5 DIGIT PIN CANNOT BE OBTAINED FROM NASTF OR THE DEALER.
MAKE SURE YOU HAVE READ THE 5 DIGIT PIN CODE- (See Previous Page)

NEXT GO HERE:
Select:
+CHRYSLER
+N. AMERICA
+BY VEHICLE
+IMMOBILIZER
+200
+2015>
+PROX

DIAGNOSTIC MENU

HAZARDS ON / IGNITION OFF

PRESS ENTER KEY

ECU IDENTIFICATION

VIN: 1C4PJLD80EW154141
PART NO: 681555631AF
KEYS PROGRAMMED: 02

PRESS ENTER KEY

DIAGNOSTIC MENU

> SPECIAL FUNCTIONS

PRESS ENTER KEY

DIAGNOSTIC MENU

> PROGRAM KEY
ERASE KEYS

PRESS ENTER KEY

DIAGNOSTIC MENU

KEYS PROGRAMMED: 03

PRESS ENTER KEY

DO YOU WANT TO PROGRAM MORE KEYS?

X

PROGRAM EACH KEY THIS SAME WAY UNTIL YOU ARE DONE
Use this method to ERASE ALL PROX -

Use of this software requires Smart Dongle

ERASE KEYS

ARE YOU SURE?

X ✓

SECURITY CODE

1 2 3 4 5
6 7 8 9 0

12345
(This is just an example)

X ✓

ERASE KEYS

PLEASE WAIT ..........

DIAGNOSTIC MENU

ECU IDENTIFICATION

VIN: 1C4PJLD80EW154141
PART NO: 681555631AF
KEYS PROGRAMMED: 02

PRESS ENTER KEY

DIAGNOSTIC MENU

> SPECIAL FUNCTIONS

PRESS ENTER KEY

DIAGNOSTIC MENU

PROGRAM KEY

> ERASE KEYS

PRESS ENTER KEY

NOW STAY CONNECTED & USE PROGRAM KEY TO PROGRAM ALL KEYS YOU WANT TO PROGRAM.
2014-2016 JEEP CHEROKEE (SELECTED BY VEHICLE) PROX OR FOBIK

### SPECIAL FUNCTIONS

**SKIM READING - READ PIN CODE**
- Reads the 5-digit pin code from the vehicle.

**TO USE THIS IMMOBILIZER SOFTWARE AND PROGRAM KEYS YOU MUST USE READ PIN CODE.**

**YOU CANNOT GET THE 5 DIGIT CODE ANY OTHER WAY.**

**ONCE YOU HAVE SUCCESSFULLY READ THE PIN CODE SAVE IT FOR LATER USE.**

**PROGRAM KEYS / PROX** - This function programs keys one at a time without erasing any previously programmed keys or prox.

**ERASE KEYS / PROX** - This function erases all currently programmed keys from the vehicle.

**KEYS PROGRAMMED** - Displays the number of keys currently programmed.

<table>
<thead>
<tr>
<th>T-CODE SOFTWARE #</th>
<th>CABLE / DONGLE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADS-234</td>
<td>ADC-250 / ADC-251</td>
</tr>
</tbody>
</table>

**MAX # OF KEYS:** 8

**KEYS:** YES

**SECURITY:**

1. **KEYS LOCK TO THE VEHICLE**
   - Keys must be new & virgin but they can be erased & re-programmed back into the same vehicle.

2. **5 DIGIT PIN**
   - Must be read directly from the car. NASTF and dealer cannot supply the 5-digit pin.

**COMPONENTS MATCHED?**

- YES, RFH, BCM & PCM are matched

**MATCHING CAPABILITY?**

- NONE

**DEALER EQUIPMENT NEEDED TO MATCH COMPONENTS IF CHANGED**

**SECURITY LIGHT / THEFT INDICATOR:**

- Light should be out at end of procedure. If theft light blinks or comes on steady the key/keys have not been accepted.

**TIPS:**

- Make sure you have the correct transponder and if introducing new keys they cannot be already used (locked) from another vehicle.

- These cars use keys that are different than previous FOBIK systems so you need to be careful in key selection.

- If the key you are about to use is not the correct type for the vehicle when placed in the ignition and turned to the on position prior to programming it will not make the dash come on. Knowing this can help avoid trying to program a key that is not going to program because it's the wrong one.

**MORE INFO:**

- If programming OEM FOBIK keys or OEM PROX FOBS the buttons program in along with the transponder. There is no separate procedure.

**WATCH “HOW TO” VIDEOS:**

- **2017 CHEROKEE**
  - READ PIN & PROGRAM PROX

- **2014 CHEROKEE FOBIK**
  - READ PIN & PROGRAM FOBIK
2014-2016 JEEP CHEROKEE
(SELECTED BY VEHICLE)
PROX OR FOBIK

Use this method to READ PIN CODE

START HERE:
Select:
+JEEP
+N. AMERICA
+BY VEHICLE
+SKIM READING
+2014> CHEROKEE

SKIM READING

HAZARDS ON / IGNITION OFF
PRESS ENTER KEY

ECU IDENTIFICATION

VIN: 1C4PJLDB0EW154141
PART NO: 681555631AF
KEYS PROGRAMMED: 02
PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
> SPECIAL FUNCTIONS
PRESS ENTER KEY

DIAGNOSTIC MENU

> READ PINCODE
PRESS ENTER KEY

PIN CODE MUST BE READ AS SHOWN.
The 5 DIGIT PIN CANNOT BE OBTAINED FROM NASTF OR THE DEALER.

AFTER READING THE PIN THE PRO MUST BE SWITCHED OFF BEFORE YOU CAN CONTINUE
PIN CODE IS 5 DIGITS
WRITE DOWN THE PINCODE. ONCE YOU HAVE IT, IT NEVER CHANGES.

SEED-KEY ERROR
If you get this message make sure you are selecting the correct vehicle.

PINCODE: 12345
PRESS ENTER KEY

SWITCH PRO OFF
PRESS ENTER KEY

USE OF THIS SOFTWARE REQUIRES SMART DONGLE
MAKE SURE YOU HAVE READ THE 5 DIGIT PIN CODE- (See Previous Page)

NEXT GO HERE: Select:

+JEEP
+N. AMERICA
+BY VEHICLE
+IMMOBILIZER
+2014+ CHEROKEE
+PROX

USE OF THIS SOFTWARE REQUIRES SMART DONGLE

MAINTENANCE MENU

HAZARDS ON / IGNITION OFF

PRESS ENTER KEY

ECU IDENTIFICATION

VIN: 1C4PJLD05MW154141
PART NO: 681555631AF
KEYS PROGRAMMED: 02

PRESS ENTER KEY

MAINTENANCE MENU

ECU IDENTIFICATION

> SPECIAL FUNCTIONS

PRESS ENTER KEY

MAINTENANCE MENU

> PROGRAM KEY

ERASE KEYS

PRESS ENTER KEY

SECURITY CODE

_ _ _ _ _

1 2 3 4 5
6 7 8 9 0

SECURITY CODE

12345
(This is just an example)

USE OF THIS SOFTWARE REQUIRES SMART DONGLE

PROGRAM KEYS

PRESS & RELEASE UNLOCK BUTTON ON FOB TO BE PROGRAMMED WITHIN 10 SEC.

REPEATEDLY PRESS THE UNLOCK BUTTON ON THE PROX FOB HOLDING THE FOB NEAR THE CENTER CONSOLE......

PROGRAM EACH KEY THIS SAME WAY UNTIL YOU ARE DONE

ERROR- TIMOUT - CHECK THE KEYS YOU ARE TRYING TO PROGRAM

DO YOU WANT TO PROGRAM MORE KEYS?

X

PRESS ENTER KEY

DIAGNOSTIC MENU

KEYS PROGRAMMED: 03
MAKE SURE YOU HAVE READ THE 5 DIGIT PIN CODE-
(See Previous Page)

NEXT GO HERE:
Select:
+JEEP
+N. AMERICA
+BY VEHICLE
+IMMobilizer
+2014> CHEROKEE
+FOBIK

DIAGNOSTIC MENU
HAZARDS ON / IGNITION OFF

PRESS ENTER KEY

ECU IDENTIFICATION
VIN: 1C4PJLD80EW154141
PART NO: 681555631AF
KEYS PROGRAMMED: 02

PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
> SPECIAL FUNCTIONS

PRESS ENTER KEY

DIAGNOSTIC MENU
> PROGRAM KEY
ERASE KEYS

PRESS ENTER KEY

MAKE SURE THE KEY YOU WANT TO PROGRAM IS IN THE IGNITION!

PROGRAM KEYS
MAKE SURE IGNITION IS IN LOCK POSITION.

PRESS ENTER KEY

PROGRAM KEYS
PLEASE WAIT ............

DIAGNOSTIC MENU
KEYS PROGRAMMED: 03

PRESS ENTER KEY

DO YOU WANT TO PROGRAM MORE KEYS?

PROGRAM EACH KEY THIS SAME WAY UNTIL YOU HAVE PROGRAMMED ALL THE KEYS YOU WANT TO....

ERROR- TIMEOUT - CHECK THE KEYS YOU ARE TRYING TO PROGRAM

SECURITY CODE

<p>| | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>0</td>
</tr>
</tbody>
</table>

SECURITY CODE
12345
(This is just an example)

X ✓

X ✓
Use this method to ERASE FOBiK or PROX

ERASE IS OPTIONAL - DO NOT ERASE UNLESS YOU WANT TO ERASE ALL KEYS

GO HERE:
Select:
+JEEP
+N. AMERICA
+BY VEHICLE
+IMMOBILIZER
+2014+ CHEROKEE
+FOBIK or PROX

ERASE KEYS
ARE YOU SURE?
X

SECURITY CODE

12345
(This is just an example)
X

NOW STAY CONNECTED & USE PROGRAM KEY TO PROGRAM ALL KEYS YOU WANT TO PROGRAM.
SPECIAL FUNCTIONS

SKIM READING- READ PIN CODE
READS THE 5 DIGIT PIN CODE FROM THE VEHICLE. THIS MUST BE DONE 1ST TO GET THE CARS PIN CODE.

ERASE PROX- This function PROGRAMS 1 PROX & ERASES all currently programmed PROX keys from the system.
At least one PROX (new or used) is required to perform this procedure.

ADD PROX- This function PROGRAMS PROX keys one at a time without erasing any previously programmed prox.

T-CODE SOFTWARE # | CABLE / DONGLE:
-------------------|------------------
ADS-234 | ADC-250 / ADC- 251

MAX # OF KEYS:
8

PROX KEYS:
JEEP and FIAT keys are the same except for the logo.

5 DIGIT PIN MUST BE READ DIRECTLY FROM THE CAR. NASTF AND DEALER CANNOT SUPPLY THE 5 DIGIT PIN.

COMPONENTS MATCHED?
YES, RFH, BCM & PCM ARE MATCHED

MATCHING CAPABILITY?
NONE

DEALER EQUIPMENT NEEDED TO MATCH COMPONENTS IF CHANGED

SECURITY LIGHT / THEFT INDICATOR:
Light should be out at end of procedure.
If theft light blinks or comes on steady the key/keys have not been accepted.

TIPS:
Make sure you have the correct Fob to use.
Jeep Renegade and Fiat 500X fobs are interchangeable, only the logo is different.
As an added bonus, fobs do not lock and so can be re-used from another vehicle.

MORE INFO:
If programming OEM FOBIK keys or OEM PROX FOBS the buttons program in along with the transponder. There is no separate procedure.

WATCH VIDEO-
Start here:
Select:
+JEEP
+N. AMERICA
+BY VEHICLE
+SKIM READING
+RENEGADE
+2016>
+PROX

**SKIM READING**

<table>
<thead>
<tr>
<th>PINCODE: 12345</th>
</tr>
</thead>
</table>

**PRESS ENTER KEY**

**SEED-KEY ERROR**

If you get this message make sure you are selecting the correct vehicle.

**SKIM READING**

<table>
<thead>
<tr>
<th>SWITCH PRO OFF</th>
</tr>
</thead>
</table>

**PRESS ENTER KEY**

**ECU IDENTIFICATION**

<table>
<thead>
<tr>
<th>VIN: 1C3CCCABXF123456</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>PART NO: 68155691AH</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>KEYS PROGRAMMED: 02</th>
</tr>
</thead>
</table>

**PRESS ENTER KEY**

**DIAGNOSTIC MENU**

<table>
<thead>
<tr>
<th>ECU IDENTIFICATION</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>&gt; SPECIAL FUNCTIONS</th>
</tr>
</thead>
</table>

**PRESS ENTER KEY**

**DIAGNOSTIC MENU**

<table>
<thead>
<tr>
<th>&gt; READ PINCODE</th>
</tr>
</thead>
</table>

**PRESS ENTER KEY**

**AFTER READING THE PIN**

THE PRO MUST BE SWITCHED OFF BEFORE YOU CAN CONTINUE

**PIN CODE IS 5 DIGITS**

WRITE DOWN THE PINCODE. ONCE YOU HAVE IT, IT NEVER CHANGES.

**PIN CODE MUST BE READ AS SHOWN.**

THE 5 DIGIT PIN CANNOT BE OBTAINED FROM NASTF OR THE DEALER.
ERASE IS OPTIONAL - DO NOT ERASE UNLESS YOU WANT TO ERASE ALL KEYS

MAKE SURE YOU ALREADY HAVE THE PIN CODE THEN START HERE:
Select:
+JEEP
+N. AMERICA
+BY VEHICLE
+IMMOBILIZER
+RENEGADE
+PROX

ERASE KEYS

ENSURE ALL DOORS ARE CLOSED

THIS PROCEDURE WILL DISABLE DISABLE ALL PROX AND THEN PROGRAM ONE PROX

PRESS ENTER KEY

ERASE KEYS

DO YOU WANT TO CONTINUE?

X

SECURITY CODE

_ _ _ _ _

1 2 3 4 5

6 7 8 9 0

SECURITY CODE

12345
(This is just an example)

X

DIAGNOSTIC MENU

HAZARDS ON / IGNITION OFF

PRESS ENTER KEY

ECU IDENTIFICATION

VIN: ZACCJBDT3GPC54321
PART NO: ZACCJBDT3G
KEYS PROGRAMMED: 02

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION

FAULT CODES

> SPECIAL FUNCTIONS

PRESS ENTER KEY

DIAGNOSTIC MENU

> ERASE PROX

ADD PROX

PRESS ENTER KEY

USE OF THIS SOFTWARE REQUIRES SMART DONGLE

2016 JEEP RENEGADE
2016 FIAT 500X
(SELECTED BY VEHICLE)

Use this method to ERASE PROX (programs one in the process)
IF YOU WANT TO PROGRAM MORE PROX STAY CONNECTED & USE ADD PROX TO PROGRAM ANY ADDITIONAL KEYS YOU WANT TO PROGRAM.

HELPFUL TIP:

ONCE YOU COMPLETE THE ERASE KEY PROCEDURE IF YOU THEN GO TO THE ECU ID SCREEN YOU SHOULD NOW SEE JUST 1 PROX PROGRAMMED, WHICH WILL BE THE ONE USED DURING THE ERASE.

ECU IDENTIFICATION

VIN: ZACCJBDT3GPC54321
PART NO: ZACCJBTD3G
KEYS PROGRAMMED: 01

PRESS ENTER KEY
MAKE SURE YOU ALREADY HAVE THE PIN CODE THEN START HERE:
Select:
+JEEP
+N. AMERICA
+BY VEHICLE
+IMMOBILIZER
+RENEGADE
+PROX

SECURITY CODE
_ _ _ _ _
1 2 3 4 5
6 7 8 9 0

SECURITY CODE
12345
(This is just an example)

DO YOU WANT TO PROGRAM MORE KEYS

IF YOU HAVE MORE PROX TO ADD KEEP GOING BY SELECTING THE CHECK MARK ✔
IF YOU ARE ALL DONE THEN SELECT THE X
### 2003-2006 DODGE SPRINTER

#### SPECIAL FUNCTIONS

<table>
<thead>
<tr>
<th>PROGRAM KEYS</th>
<th>Erases all programmed keys and programs 1 key.</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADDITIONAL KEYS</td>
<td>Programs keys one at a time without erasing.</td>
</tr>
</tbody>
</table>

**VERY IMPORTANT:** THE ADDITIONAL KEYS PROCEDURE MUST ALWAYS BE STARTED WITH A WORKING ALREADY PROGRAMMED KEY.

| KEYS STORED | Reads the number of keys in memory. |

### T-CODE SOFTWARE #

<table>
<thead>
<tr>
<th>T-CODE SOFTWARE #</th>
<th>CABLE / DONGLE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADS-139</td>
<td>ADC-250 / ADC-251</td>
</tr>
</tbody>
</table>

### MAX # OF KEYS:

- 8

### SMART DONGLE?

- YES

### KEYS:

- OEM Key with RKE or an aftermarket key can be used. Aftermarket must be loaded with a value cannot be blank chip

### SECURITY:

- ROLLING CODE
- Dealer or N.A.S.T.F

### COMPONENTS MATCHED?

- YES

### MATCHING CAPABILITY?

- NONE

### DEALER EQUIPMENT NEEDED TO MATCH COMPONENTS IF CHANGED

### SECURITY LIGHT / THEFT INDICATOR:

- Light should be out at end of procedure. If theft light blinks or comes on steady the key/keys have not been accepted.

### TIPS:

- Pin Codes may be very difficult to obtain, and must be run live with equipment hooked up. If you disconnect and start over the numbers will have changed. That's why it's called a “Rollling Code”

- Unless this is a Lost Key job it may be far easier to clone a key than to use this procedure!

- If programming OEM FOBIK keys or OEM PROX FOBS the buttons program in along with the transponder. There is no separate procedure.
Important Facts to Know:

A) “Start Error” will be displayed on the dash if the key in the ignition is not programmed or recognized because of a problem with the immo system such as a damaged antenna ring etc. This will also be displayed during the key programming procedure whenever a new key is being introduced.

B) When adding a key, it is important to start the procedure with an already programmed key. If not, a second key will not be programmed and any programmed keys are locked out. The only way to correct this is to start over using “Program Keys” (erases all previously stored keys and programs the key in the ignition). It will still say 1 key programmed but your already programmed key will no longer work.

C) If erasing, the same key stays in the ignition throughout the procedure. If adding a key, the process is started using a programmed key and the when asked to turn the ignition back on you use the new key being programmed.

D) You must wait 3 minutes before programming another key.

E) When programming a factory remote head key, the buttons will program at the same time as the key. They will NOT be erased if keys are erased, old keys will no longer start the vehicle but they will continue to operate the RKE system.

F) After-Markets, like from SILCA, are designed for cloning. They will work for programming but only if they have info loaded onto the chip before they can be used.

G) If you have a working key and you don’t need to have a remote head key, then CLONING is by far an easier option.
2003-2006
DODGE SPRINTER

Use this method to ADD KEYS

START HERE:
Select:
+DODGE
+NORTH AMERICA
+BY VEHICLE
+SPRINTER
+2003-2006
IMMOBILISER

When Adding a key - it is important to start the procedure with an already programmed key. Otherwise you will have to erase all keys using “Program Keys”.

OR

REQUIRES SMART CARD CALCULATOR OR WEB APP
USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

VEHICLE SELECTION

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

MB No. 0335456132
H/WARE VERSION: 26/02
S/WARE VERSION: 39/00
DIAG IDENT: 00/00

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU

KEYS STORED
PROGRAM KEYS
> ADDITIONAL KEYS

ADDITIONAL KEYS

SWITCH IGNITION OFF

PRESS ENTER KEY

ADDITIONAL KEYS

PLEASE WAIT
.
.
.
.
.
.
.
.
.
It will take about 90 seconds.

ADDITIONAL KEYS

SWITCH IGNITION ON
(With New key)

PRESS ENTER KEY

Advanced Diagnostics USA Manual for MVP & T-CODE - © 2017
Make sure the ignition is On before pressing the Enter button or you will have to start over.

**ECU IDENTIFICATION**
- RANDOM CODE: 87FE
- ID CODE: 4A08D1AD
- CALCULATION: X1
- NUMBER OF KEYS: 1
- TRANS CODE: F53F4165D7

This group of numbers & letters are needed along with the VIN by the dealer to get the PIN CODE. The CALCULATION will always be X1 for adding keys and X2 for erasing.

**ADDITIONAL KEYS**
- SWITCH IGNITION OFF
  - (Keep the key in the ignition lock.)
  - PRESS ENTER KEY

**ADDITIONAL KEYS**
- PLEASE WAIT
  - . . . . . . .
  - It will take about 90 seconds.

**ADDITIONAL KEYS**
- SWITCH IGNITION ON
  - PRESS ENTER KEY

**SECURITY CODE**
- 1 2 3 4 5
- 6 7 8 9 0

**SECURITY CODE**
- 173-215-288-217
  - IS CODE CORRECT
  - X

**WAIT AT LEAST 3 MINUTES BEFORE DOING ANY MORE PROGRAMMING**
**2003-2006 DODGE SPRINTER**

Use this method to *ERASE KEYS - Programs 1 key*

**VEHICLE SELECTION**

- **Select:**
  - +DODGE
  - +NORTH AMERICA
  - +BY VEHICLE
  - +SPRINTER
  - +2003-2006
  - IMMOBILISER

This procedure is used for when you have no keys or if your erasing keys.

**ECU IDENTIFICATION**

- MB No. 0335456132
- H/WARE VERSION: 26/02
- S/WARE VERSION: 39/00
- DIAG IDENT: 00/00

**START HERE:**

**DIAGNOSTIC MENU**

- ECU IDENTIFICATION
  - > SPECIAL FUNCTIONS

**DIAGNOSTIC MENU**

- KEYS STORED
  - > PROGRAM KEYS
  - ADDITIONAL KEYS

**PROGRAM KEYS**

- SWITCH IGNITION OFF
- PRESS ENTER KEY

**PROGRAM KEYS**

- PLEASE WAIT
  - . . . . . . . .
  - It will take about 90 seconds.

**PROGRAM KEYS**

- SWITCH IGNITION ON
- PRESS ENTER KEY

*Requires Smart Card Calculator or Web App*

*Use the Smart Dongle for easy access using built-in Smart Card Calculator*
Make sure the ignition is On before pressing the Enter button or you will have to start over.

ECU IDENTIFICATION
- RANDOM CODE: 87FE
- ID CODE: 4A08D1AD
- CALCULATION: X1
- NUMBER OF KEYS: 1
- TRANS CODE: F53F4165D7

PLEASE OBTAIN CODE
PRESS ENTER KEY

This group of numbers & letters are needed along with the VIN by the dealer to get the PIN CODE. The CALCULATION will always be X1 for adding keys and X2 for erasing.

PROGRAM KEYS
- SWITCH IGNITION OFF
  (Keep the key in the ignition lock.)
- PRESS ENTER KEY

PROGRAM KEYS
- PLEASE WAIT
  . . . . . . .
  It will take about 90 seconds.

PROGRAM KEYS
- SWITCH IGNITION ON
- PRESS ENTER KEY

SECURITY CODE
_ _ _ - _ _ _ - _ _ _
1 2 3 4 5
6 7 8 9 0

SECURITY CODE
173-215-288-217
IS CODE CORRECT
X

WAIT AT LEAST 3 MINUTES BEFORE DOING ANY MORE PROGRAMMING
### Jeep Remote Section

**GRID INDEX**

- Only the models listed are supported -

<table>
<thead>
<tr>
<th>MODELS</th>
<th>YEARS</th>
<th>Remote System Type</th>
<th>Dongle</th>
<th>Remote OEM Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cherokee</td>
<td>1998</td>
<td>11</td>
<td>C or P*</td>
<td>P/N: 56008968AB</td>
</tr>
<tr>
<td></td>
<td>1999 - 2001</td>
<td>11</td>
<td>C or P*</td>
<td>Black P/N: 56036859</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Grey P/N: 56036860</td>
</tr>
<tr>
<td>Grand Cherokee</td>
<td>1999 - 2004</td>
<td>2</td>
<td>C</td>
<td>Black P/N: 56036859</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Grey P/N: 56036860</td>
</tr>
<tr>
<td>Liberty</td>
<td>2002 - 2004</td>
<td>3</td>
<td>C</td>
<td>P/N: 04602260AA</td>
</tr>
</tbody>
</table>

*Some Pro units sold mid-2013-2014 use P Dongle instead of C on models listed as C or P*

### Plymouth Remote Section

**GRID INDEX**

- Only the models listed are supported -

<table>
<thead>
<tr>
<th>MODELS</th>
<th>YEARS</th>
<th>Remote System Type</th>
<th>Dongle</th>
<th>Remote OEM Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Breeze</td>
<td>1998 - 2000</td>
<td>10</td>
<td>C or P*</td>
<td>P/N: 04608229AB</td>
</tr>
<tr>
<td>Neon</td>
<td>2000 - 2001</td>
<td>1</td>
<td>C</td>
<td>P/N: 04759008</td>
</tr>
<tr>
<td>Voyager</td>
<td>1996 - 1998</td>
<td>9</td>
<td>C or P*</td>
<td>P/N: 04686366</td>
</tr>
<tr>
<td></td>
<td>1999 - 2000</td>
<td>9</td>
<td>C or P*</td>
<td>P/N: 04686481</td>
</tr>
</tbody>
</table>
Type 1 Remotes (Neon & PT Cruiser)

-- Any Remotes not present will be erased during programming mode. --

START HERE:
Select:
+CHRYSLER
+BY SYSTEM
+REMOTES

VEHICLE SELECTION

> TYPE 1
TYPE 2
TYPE 3
TYPE 4
TYPE 5
TYPE 6

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

NEON / PT CRUISER REMOTES - TYPE 1

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
LIVE DATA
> SPECIAL FUNCTIONS

Note:
1) A chime is heard as you enter & leave programming mode.
• A chime is heard as a remote is learned.
• All Remotes must be programmed at the same time.
• Press the BACK key to exit the mode.

PROGRAMMING REMOTES

PROCEDURE COMPLETE

PRESS ENTER KEY
Type 1 Remotes (Neon & PT Cruiser)

Type 1 LIVE DATA

Live Data can be used to ascertain if there are open or closed circuits and/or relay problems.

<table>
<thead>
<tr>
<th>DIAGNOSTIC MENU</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECU IDENTIFICATION</td>
</tr>
<tr>
<td>&gt; LIVE DATA</td>
</tr>
<tr>
<td>SPECIAL FUNCTIONS</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>LIVE DATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>DRV.DOOR.UN.</td>
</tr>
<tr>
<td>DRV.DO.SW.</td>
</tr>
<tr>
<td>REMOTE BUTTO</td>
</tr>
<tr>
<td>DRV.DOOR.LK.</td>
</tr>
<tr>
<td>DRV.DOOR.UN.</td>
</tr>
<tr>
<td>DR.KE.CYL.SW</td>
</tr>
</tbody>
</table>

LIVE DATA:
- Driver’s Door Unlock - Open or Closed Circuit
- Driver’s Door Switch - Open or Closed Circuit
- Remote Buttons - Idle (not being used this second)
- Driver’s Door Lock - Open or Closed Circuit
- Driver’s Door Unlock Relay - Open or Closed Circuit
- Driver’s Key Cylinder Switch - Idle (not being used this second)

Testing Remotes - to determine if a Remote is working properly on a Type 1 system.

Testing Remotes - to determine if a Remote is working properly on a Type 1 system.

<table>
<thead>
<tr>
<th>DIAGNOSTIC MENU</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROGRAM REMOTE</td>
</tr>
<tr>
<td>&gt; TEST REMOTE</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TESTING REMOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRESS REMOTES</td>
</tr>
<tr>
<td>BACK’ TO EXIT.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TESTING REMOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRESS ENTER KEY</td>
</tr>
<tr>
<td>PROCEDURE COMPLETE</td>
</tr>
</tbody>
</table>

A chime is heard as a button on the Remote is pressed.
Type 2 Remotes (‘99-’04 Jeep Grand Cherokee)

NOTE: Not all Chrysler-Dodge-Jeep-Plymouth vehicles came from the factory with factory Remote Keyless Entry. If it did not come from the factory with working factory remotes than you cannot add them in now.

START HERE:
Select:
+CHRYSLER
+BY SYSTEM
+REMOTES

VEHICLE SELECTION

<table>
<thead>
<tr>
<th>TYPE 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt; TYPE 2</td>
</tr>
<tr>
<td>TYPE 3</td>
</tr>
<tr>
<td>TYPE 4</td>
</tr>
<tr>
<td>TYPE 5</td>
</tr>
<tr>
<td>TYPE 6</td>
</tr>
</tbody>
</table>

SWITCH IGNITION ON
PRESS ENTER KEY

ECU IDENTIFICATION

JEFF GRAND CHEROKEE REMOTES - TYPE 2
PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
> SPECIAL FUNCTIONS

PROGRAM REMOTE
PRESS & RELEAS. REMOTE

Note: To program the remote-
Press the Lock & Unlock buttons together and then quickly press the unlock button.

PROGRAM REMOTE
PROCEDURE COMPLETE
PRESS ENTER KEY

PROGRAM REMOTE
ENTER REMOTE NO. #

Note:
There are 4 memory positions for the
Type 2 Remote system: 1, 2, 3 & 4

Enter a number to fill a memory position for
the remote you would like to program.

This will overwrite the memory location if
there was already a remote programmed to
that position before.

You can program the same remote into all
4 positions to erase other remotes if you
want to.
Type 3 Remotes ('01-'03 Dodge Caravan)

NOTE: Not all Chrysler-Dodge-Jeep-Plymouth vehicles came from the factory with factory Remote Keyless Entry. If it did not come from the factory with working factory remotes than you cannot add them in now.

-- Any Remotes not present will be erased during programming mode. --

START HERE:
Select:
+CHRYSLER
+BY SYSTEM
+REMOTES

VEHICLE SELECTION

TYPE 1
TYPE 2
TYPE 3
TYPE 4
TYPE 5
TYPE 6

SWITCH IGNITION ON
PRESS ENTER KEY

ECU IDENTIFICATION
CARAVAN / LIBERTY REMOTES - TYPE 3
PRESS ENTER KEY

DIAGNOSTIC MENU

> SPECIAL FUNCTIONS

DIAGNOSTIC MENU

> PROGRAM REMOTE

PROGRAMMING REMOTES

PRESS LOCK & UNLOCK TOGETHER FOR 1 Sec.
WITHIN 3 Secs. Press EITHER KEY FOR 1 Sec
REPEAT FOR ALL FOBS
BACK TO EXIT.

Note: To program the remote-
1) Press the Lock & Unlock buttons together and then quickly press the unlock button.
   • A chime is heard as a remote is learned.
   • All Remotes must be programmed at the same time.
   • Press the BACK key to exit the mode.

PROCEDURE COMPLETE
PRESS ENTER KEY
Type 3 Remotes (‘02-’04 Jeep Liberty)

NOTE: Not all Chrysler-Dodge-Jeep-Plymouth vehicles came from the factory with factory Remote Keyless Entry. If it did not come from the factory with working factory remotes than you cannot add them in now.

-- Any Remotes not present will be erased during programming mode. --

Note: To program the remote-
1) Press the Lock & Unlock buttons together and then quickly press the unlock button.
   • A chime is heard as a remote is learned.
   • All Remotes must be programmed at the same time.
   • Press the BACK key to exit the mode.
Type 4 Remotes  (‘98–’00 Chrysler Sebring Conv.)

NOTE: Not all Chrysler-Dodge-Jeep-Plymouth vehicles came from the factory with factory Remote Keyless Entry. If it did not come from the factory with working factory remotes than you cannot add them in now.

1998-2000 Chrysler Sebring Convertible

START HERE:
Select:
+CHRYSLER
+BY SYSTEM
+REMOTES

VEHICLE SELECTION
TYPE 1
TYPE 2
TYPE 3
> TYPE 4
TYPE 5
TYPE 6

SWITCH IGNITION ON
PRESS ENTER KEY

ECU IDENTIFICATION
SEBRING CONVERTIBLE REMOTES - TYPE 4

PRESS ENTER KEY

PROGRAM REMOTE
DO YOU WANT TO ERASE REMOTES
‘1’ - YES  ‘3’ - NO

PROGRAM REMOTE
HOLD LOCK BUTTON & DECKLID BUTTON TOGETHER FOR 10 Sec.

Note: To program the remote
1) Press the Lock button & Decklid button together and hold until the door locks together and then cycle to the unlocked position. This takes about 10 to 20 seconds.
2) If the locks fail to cycle after 20 seconds, unplug your Device and start over. This is not uncommon for this system.
3) Each remote must be programmed separately. You must unplug your Device and start over to program another remote.

Note: Leave driver’s door open.
2) Lock the car using the power door lock button on driver’s door.

Type 4 Remotes  (‘98–’00 Chrysler Sebring Conv.)

NOTE:  Not all Chrysler-Dodge-Jeep-Plymouth vehicles came from the factory with factory Remote Keyless Entry. If it did not come from the factory with working factory remotes than you cannot add them in now.

START HERE:
Select:
+CHRYSLER
+BY SYSTEM
+REMOTES

VEHICLE SELECTION
TYPE 1
TYPE 2
TYPE 3
> TYPE 4
TYPE 5
TYPE 6

SWITCH IGNITION ON
PRESS ENTER KEY

ECU IDENTIFICATION
SEBRING CONVERTIBLE REMOTES - TYPE 4

PRESS ENTER KEY

PROGRAM REMOTE
DO YOU WANT TO ERASE REMOTES
‘1’ - YES  ‘3’ - NO

PROGRAM REMOTE
HOLD LOCK BUTTON & DECKLID BUTTON TOGETHER FOR 10 Sec.

Note: To program the remote
1) Press the Lock button & Decklid button together and hold until the door locks together and then cycle to the unlocked position. This takes about 10 to 20 seconds.
2) If the locks fail to cycle after 20 seconds, unplug your Device and start over. This is not uncommon for this system.
3) Each remote must be programmed separately. You must unplug your Device and start over to program another remote.

Note: Leave driver’s door open.
2) Lock the car using the power door lock button on driver’s door.
Type 5 Remotes (1998 Dodge Durango)

NOTE: Not all Chrysler-Dodge-Jeep-Plymouth vehicles came from the factory with factory Remote Keyless Entry. If it did not come from the factory with working factory remotes than you cannot add them in now.

NOTE: Type 5 Remotes -
1) Press the Lock & Unlock buttons together and then quickly press the unlock button.
   • The door locks cycle when a remote is learned.

The memory positions are displayed again after programming the remote. The next memory position is now filled with the last remote just programmed.

To program more remotes, repeat the above method. If all the memory positions are filled, you must erase them all. That will clear all the memory positions.
Type 5 Remotes (‘99-‘00 Dodge Durango)

NOTE: Not all Chrysler-Dodge-Jeep-Plymouth vehicles came from the factory with factory Remote Keyless Entry. If it did not come from the factory with working factory remotes than you cannot add them in now.

START HERE:
Select:
+CHRYSLER
+BY SYSTEM
+REMOTES

VEHICLE SELECTION
TYPE 1
TYPE 2
TYPE 3
TYPE 4
> TYPE 5
TYPE 6

ECU IDENTIFICATION
DAKOTA / DURANGO / RAM
CCD REMOTES - TYPE 5

DIAGNOSTIC MENU
> PROGRAM REMOTE
ERASE REMOTES

PROGRAM REMOTE
REMOTE 1: 09A0A3E6
REMOTE 2: FFFFFFFF
REMOTE 3: FFFFFFFF
REMOTE 4: FFFFFFFF

PRESS ENTER KEY

SWITCH IGNITION ON
PRESS ENTER KEY

ECU IDENTIFICATION
PRESS ENTER KEY

Note: Type 5 Remotes -
The memory positions are displayed again after programming the remote. The next memory position is now filled with the last remote just programmed.

To program more remotes, repeat the above method. If all the memory positions are filled, you must erase them all. That will clear all the memory positions.

Program Remote
REMOTE 1: 09A0A3E6
REMOTE 2: 0836A57T
REMOTE 3: FFFFFFFF
REMOTE 4: FFFFFFFF

PRESS ENTER KEY

Note: Type 5 Remotes -
When you enter programming mode, a list of the current 4 memory positions is displayed. A position that contains all “F” letters is an unused or empty position.

PROGRAM REMOTE
PRESS REMOTE

PROCEDURE COMPLETE
PRESS ENTER KEY

‘99-‘00 Dodge Durango

NOTE:  Not all Chrysler-Dodge-Jeep-Plymouth vehicles came from the factory with factory Remote Keyless Entry. If it did not come from the factory with working factory remotes than you cannot add them in now.
Type 5 Remotes (1998 Dodge Dakota)

NOTE: Not all Chrysler-Dodge-Jeep-Plymouth vehicles came from the factory with factory Remote Keyless Entry. If it did not come from the factory with working factory remotes than you cannot add them in now.

Note: Type 5 Remotes -
1) Press the Lock & Unlock buttons together and then quickly press the unlock button.
   • The door locks cycle when a remote is learned.

The memory positions are displayed again after programming the remote. The next memory position is now filled with the last remote just programmed.

To program more remotes, repeat the above method. If all the memory positions are filled, you must erase them all. That will clear all the memory positions.
Type 5 Remotes (‘99-’00 Dodge Dakota)

NOTE: Not all Chrysler-Dodge-Jeep-Plymouth vehicles came from the factory with factory Remote Keyless Entry. If it did not come from the factory with working factory remotes than you cannot add them in now.

START HERE:
Select:
+CHRYSLER
+BY SYSTEM
+REMOTES

VEHICLE SELECTION

TYPE 1
TYPE 2
TYPE 3
TYPE 4
> TYPE 5
TYPE 6

SWITCH IGNITION ON
PRESS ENTER KEY

ECU IDENTIFICATION

DAKOTA / DURANGO / RAM
CCD REMOTES - TYPE 5

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
> SPECIAL FUNCTIONS

PROGRAM REMOTE

REMOTE 1: 09A0A3E6
REMOTE 2: FFFFFFFF
REMOTE 3: FFFFFFFF
REMOTE 4: FFFFFFFF

PRESS ENTER KEY

Note: Type 5 Remotes -
The memory positions are displayed again after programming the remote. The next memory position is now filled with the last remote just programmed.

To program more remotes, repeat the above method. If all the memory positions are filled, you must erase them all. That will clear all the memory positions.

PROGRAM REMOTE

PRESS REMOTE

PRESS ENTER KEY

Note: Type 5 Remotes -
1) Press the Lock & Unlock buttons together and then quickly press the unlock button.
• The door locks cycle when a remote is learned.

PROGRAM REMOTE

PROCEDURE COMPLETE

PRESS ENTER KEY

‘99-’00 Dodge Dakota

NOTE: Type 5 Remotes -
When you enter programming mode, a list of the current 4 memory positions is displayed. A position that contains all “F” letters is an unused or empty position.
In 2002, Dodge had 2 different styles of RAM Pick-Ups. The new style which has door handles that stick out from the door use Remote Type 8.

The older style RAM Pick-Ups that have door handles that are flush with the door use use Remote Type 5.
NOTE: Not all Chrysler-Dodge-Jeep-Plymouth vehicles came from the factory with factory Remote Keyless Entry. If it did not come from the factory with working factory remotes than you cannot add them in now.

START HERE:

Select:
+CHRYSLER
+BY SYSTEM
+REMOTES

VEHICLE SELECTION

TYPE 1
TYPE 2
TYPE 3
TYPE 4
> TYPE 5
(TYPE 5)
TYPE 6

SWITCH IGNITION ON
PRESS ENTER KEY

ECU IDENTIFICATION

DAKOTA / DURANGO / RAM
CCD REMOTES - TYPE 5

PRESS ENTER KEY

DIAGNOSTIC MENU

> PROGRAM REMOTE
ERASE REMOTES

PROGRAM REMOTE
REMOTE 1: 09A0A3E6
REMOTE 2: FFFFFFFF
REMOTE 3: FFFFFFFF
REMOTE 4: FFFFFFFF

PRESS ENTER KEY

Program Remote

PROGRAM REMOTE
REMOTE 1: 09A0A3E6
REMOTE 2: 0836A57T
REMOTE 3: FFFFFFFF
REMOTE 4: FFFFFFFF

PRESS ENTER KEY

Note: Type 5 Remotes -
The memory positions are displayed again after programming the remote. The next memory position is now filled with the last remote just programmed.

To program more remotes, repeat the above method. If all the memory positions are filled, you must erase them all. That will clear all the memory positions.

Note: Type 5 Remotes -
1) Press the Lock & Unlock buttons together and then quickly press the unlock button.
• A chime is heard as a remote is learned.

PROGRAM REMOTE
PROCEDURE COMPLETE
PRESS ENTER KEY

'99-'00 Dodge Dakota

NOTE: Not all Chrysler-Dodge-Jeep-Plymouth vehicles came from the factory with factory Remote Keyless Entry. If it did not come from the factory with working factory remotes than you cannot add them in now.
Type 6 Remotes

NOTE: Not all Chrysler-Dodge-Jeep-Plymouth vehicles came from the factory with factory Remote Keyless Entry. If it did not come from the factory with working factory remotes than you cannot add them in now.

-- Any Remotes not present will be erased during programming mode. --

START HERE:

Select:
+CHRYSLER
+BY SYSTEM
+REMOTES

VEHICLE SELECTION

TYPE 1
TYPE 2
TYPE 3
TYPE 4
TYPE 5
> TYPE 6

DIAGNOSTIC MENU

ECU IDENTIFICATION
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU

> PROGRAM REMOTE

PROGRAMMING REMOTES

PRESS LOCK & UNLOCK TOGETHER FOR 1 Sec. WITHIN 3 Secs. Press EITHER KEY FOR 1 Sec REPEAT FOR ALL FOBS BACK’ TO EXIT.

Note: To program the remote-

1) Press the Lock & Unlock buttons together and then quickly press the unlock button.

• A chime is heard as you enter & leave programming mode.
• A chime is heard as a remote is learned.
• All Remotes must be programmed at the same time.
• Press the BACK key to exit the mode.

START HERE:

Select:
+CHRYSLER
+BY SYSTEM
+REMOTES

VEHICLE SELECTION

TYPE 1
TYPE 2
TYPE 3
TYPE 4
TYPE 5
> TYPE 6

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

300M / CONCORDE INTREPID / LHS REMOTES - TYPE 6

PRESS ENTER KEY

PROGRAMMING REMOTES

PROCEDURE COMPLETE

PRESS ENTER KEY
Type 7 Remotes (’01-’04 Dodge Dakota)

NOTE: Not all Chrysler-Dodge-Jeep-Plymouth vehicles came from the factory with factory Remote Keyless Entry. If it did not come from the factory with working factory remotes than you cannot add them in now.

START HERE:
Select:
+CHRYSLER
+BY SYSTEM
+REMOTES

VEHICLE SELECTION

TYPE 4
TYPE 5
TYPE 6
> TYPE 7
TYPE 6
TYPE 9

SWITCH IGNITION ON
PRESS ENTER KEY

ECU IDENTIFICATION

DAKOTA PICK-UP
REMOTES - TYPE 7
PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
> SPECIAL FUNCTIONS

PROGRAM REMOTE

ENTER REMOTE NO. #

Note:
There are 3 memory positions for the Type 7 Remote system: 1, 2, & 3

Enter a number to fill a memory position for the remote you would like to program.

This will overwrite the memory location if there was already a remote programmed to that position before.

You can program the same remote into all 4 positions to erase other remotes if you want to.

Note: To program the remote-

Press the Lock & Unlock buttons together. Now press the Lock button once. You must act quickly!!

When done press Enter on Device.

PROGRAM REMOTE

PRESS LOCK & UNLOCK TOGETHER FOR 1 Sec.
WITHIN 3 Secs. Press EITHER KEY FOR 1 Sec

PROCEDURE COMPLETE
PRESS ENTER KEY
Type 7 Remotes (‘01-’03 Dodge Durango)

NOTE: Not all Chrysler-Dodge-Jeep-Plymouth vehicles came from the factory with factory Remote Keyless Entry. If it did not come from the factory with working factory remotes than you cannot add them in now.

START HERE:
Select:
+CHRYSLER
+BY SYSTEM
+REMOTES

VEHICLE SELECTION
- TYPE 4
- TYPE 5
- TYPE 6
- TYPE 7
- TYPE 8
- TYPE 9

SWITCH IGNITION ON
PRESS ENTER KEY

ECU IDENTIFICATION
DAKOTA PICK-UP
REMOTES - TYPE 7
PRESS ENTER KEY

PROGRAM REMOTE
ENTER REMOTE NO. #

Note: There are 3 memory positions for the Type 7 Remote system: 1, 2, & 3
Enter a number to fill a memory position for the remote you would like to program.
This will overwrite the memory location if there was already a remote programmed to that position before.
You can program the same remote into all 4 positions to erase other remotes if you want to.

DIAGNOSTIC MENU
- ECU IDENTIFICATION
- SPECIAL FUNCTIONS

DIAGNOSTIC MENU
- PROGRAM REMOTE

2001-2003
Dodge Durango

PROGRAM REMOTE
PRESS LOCK & UNLOCK
TOGETHER FOR 1 Sec.
WITHIN 3 Secs. Press
EITHER KEY FOR 1 Sec

Note: To program the remote-
Press the Lock & Unlock buttons together. Now press the Lock button once.
You must act quickly!!
When done press Enter on Device.

PROGRAM REMOTE
PROCEDURE COMPLETE
PRESS ENTER KEY

Note: To program the remote-
Press the Lock & Unlock buttons together. Now press the Lock button once.
You must act quickly!!
When done press Enter on Device.
Type 8 Remotes (‘02-’05 Dodge RAM Pick Up)

NOTE: Not all Chrysler-Dodge-Jeep-Plymouth vehicles came from the factory with factory Remote Keyless Entry. If it did not come from the factory with working factory remotes than you cannot add them in now.

-- Any Remotes not present will be erased during programming mode. --

START HERE:
Select:
+CHRYSLER
+BY SYSTEM
+REMOTES

VEHICLE SELECTION
TYPE 6
TYPE 7
> TYPE 8
TYPE 9
TYPE 10
TYPE 11

SWITCH IGNITION ON
PRESS ENTER KEY

ECU IDENTIFICATION
RAM PICK-UP
REMOTES - TYPE 8
PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU
> PROGRAM REMOTE

PROGRAMMING REMOTES
PRESS LOCK & UNLOCK TOGETHER FOR 1 Sec. WITHIN 3 Secs. Press EITHER KEY FOR 1 Sec REPEAT FOR ALL FOBS BACK TO EXIT.

Note: To program the remote-
1) Press the Lock & Unlock buttons together and then quickly press the Unlock button.
   • A chime is heard as a remote is learned.
   • All Remotes must be programmed at the same time.
   • Press the BACK key to exit the mode.

PROGRAMMING REMOTES
PROCEDURE COMPLETE
PRESS ENTER KEY

2002-2005
Dodge
RAM Pick-Up

2002-2005
Dodge
RAM Pick-Up

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Type 9 Remotes ('96-'98 Dodge Caravan)

NOTE: Not all Chrysler-Dodge-Jeep-Plymouth vehicles came from the factory with factory Remote Key-less Entry. If it did not come from the factory with working factory remotes than you cannot add them in now.

-- Any Remotes not present will be erased during programming mode. --

Note: To program the remote-
1) Wait for chime - 2 to 3 seconds - to start programming remotes.
2) Press the Lock & Unlock buttons together and then quickly press the unlock button.

• A chime is heard as you enter & leave programming mode.
• A chime is heard as a remote is learned.
• All Remotes must be programmed at the same time.
• Press the BACK key to exit the mode.

START HERE:
Select:
+CHRYSLER
+BY SYSTEM
+REMOTES

VEHICLE SELECTION
TYPE 4
TYPE 5
TYPE 6
TYPE 7
TYPE 8
> TYPE 9
Type 9 Remotes ('99-'00 Dodge Caravan)

NOTE: Not all Chrysler-Dodge-Jeep-Plymouth vehicles came from the factory with factory Remote Keyless Entry. If it did not come from the factory with working factory remotes than you cannot add them in now.

-- Any Remotes not present will be erased during programming mode. --

Note: To program the remote-
1) Wait for chime - 2 to 3 seconds - to start programming remotes.
2) Press the Lock & Unlock buttons together and then quickly press the unlock button.
   • A chime is heard as you enter & leave programming mode.
   • A chime is heard as a remote is learned.
   • All Remotes must be programmed at the same time.
   • Press the BACK key to exit the mode.
Program Remote Procedure Complete

Press Enter Key

NOTE: Not all Chrysler-Dodge-Jeep-Plymouth vehicles came from the factory with factory Remote Keyless Entry. If it did not come from the factory with working factory remotes than you cannot add them in now.

1) Press Lock & Unlock together for one second and repeat again.

- If you chose to erase remotes; you must go back and program any existing remotes you want to operate. Do not erase again.
- A chime is heard as you enter programming mode.
- The door locks cycle if a remote has been learned.
- Each remote must be programmed separately.
- Press the BACK key to exit the mode.
Type 11 Remotes  (1998 Jeep Cherokee)

NOTE: Not all Chrysler-Dodge-Jeep-Plymouth vehicles came from the factory with factory Remote Keyless Entry. If it did not come from the factory with working factory remotes than you cannot add them in now.

VEHICLE SELECTION

| TYPE 6 |
| TYPE 7 |
| TYPE 8 |
| TYPE 9 |
| TYPE 10 |
| TYPE 11 |

ECU IDENTIFICATION

JEEP CHEROKEE
CCD REMOTES - TYPE 11

Note:
There are 4 memory positions for the Type 11 Remote system: 1, 2, 3 & 4

Enter a number to fill a memory position for the remote you would like to program.
This will overwrite the memory location if there was already a remote programmed to that position before.
You can program the same remote into all 4 positions to erase other remotes if you want to.

PROGRAMMING REMOTES

PRESS UNLOCK BUTTON

Note: To program the remote-
• Press the Unlock button.
• The programming window is very short, you must hurry.
• The door locks cycle after the remote is learned.
• The Device will return to the ‘Program Remote’ menu.
Type 11 Remotes (1999-2001 Jeep Cherokee)

NOTE: Not all Chrysler-Dodge-Jeep-Plymouth vehicles came from the factory with factory Remote Keyless Entry. If it did not come from the factory with working factory remotes than you cannot add them in now.

Note:
There are 4 memory positions for the Type 11 Remote system: 1, 2, 3 & 4

Enter a number to fill a memory position for the remote you would like to program.

This will overwrite the memory location if there was already a remote programmed to that position before.

You can program the same remote into all 4 positions to erase other remotes if you want to.

Start Here:
Select:
+CHRYSLER
+BY SYSTEM
+REMOTES

Note: To program the remote-
• Press the Unlock button.
• The programming window is very short, you must hurry.
• The door locks cycle after the remote is learned.
• The Device will return to the 'Program Remote' menu.
FIAT SECTION

T-CODE SOFTWARE PACKS:

Fiat USA (ADS-181)
Fiat 2015 (ADS-231)
Fiat 2016 (ADS-258)
Smart Aerial Device (ADC-242)
### 2012-2016 500

<table>
<thead>
<tr>
<th>Dealer</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer Key Required Ordered by VIN</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>YES (5-Digit)</td>
<td>NO</td>
<td>PRO Dongle</td>
</tr>
<tr>
<td>Note: Remote programs in along with transponder.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WARNING: All keys lost on some 2dr. models requires BCM replacement. This will require dealer tool.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 2012-2016 500

<table>
<thead>
<tr>
<th>ILCO</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use a SIP22 shell w/ Virgin 46 chip. Software can READ and Pre-Code the data to transponder using Smart Aerial ADC-242 or RW4 w/ ADC-243 Cable</td>
<td>Select by Vehicle</td>
<td>Built in</td>
<td>YES (5-Digit)</td>
<td>YES - Software Reads Pin Code</td>
</tr>
<tr>
<td>WARNING: All keys lost on some 2dr. models requires BCM replacement. This will require dealer tool.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 2014-2016 500L With Keyed Type Ignition

<table>
<thead>
<tr>
<th>ILCO</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use a SIP22 shell w/ Virgin 46 chip. Software can READ and Pre-Code the data to transponder using Smart Aerial ADC-242 or RW4 w/ ADC-243 Cable</td>
<td>Select by Vehicle</td>
<td>Built in</td>
<td>YES (5-Digit)</td>
<td>YES - Software Reads Pin Code</td>
</tr>
<tr>
<td>WARNING: All keys lost on some 2dr. models requires BCM replacement. This will require dealer tool.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 2016 500X With Proximity Type Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM PROX</td>
<td>SD Handles Smart Card in background</td>
<td>Yes</td>
<td>5 DIGIT</td>
<td>YES Included in software</td>
<td>Requires Smart Dongle</td>
</tr>
<tr>
<td>MVP will use 1 token to read pin and 1 to program. Requires Latest Beta at time of printing. Same as 2016 Jeep Renegade.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 2016 500X With Keyed Type Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not yet supported</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**FIAT 500**
**BLADE KEY IMMOBILIZER SYSTEM**

**SPECIAL FUNCTIONS**

<table>
<thead>
<tr>
<th>Program Keys</th>
<th>Erases all currently programmed keys from memory.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Programs only keys used during the procedure.</td>
</tr>
</tbody>
</table>

**Warning:** Deleted Keys can NEVER be added back in!

<table>
<thead>
<tr>
<th>T-CODE SOFTWARE #</th>
<th>CABLE / DONGLE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADS-181</td>
<td>ADC-250 / ADC-251</td>
</tr>
<tr>
<td></td>
<td>J (PURPLE) DONGLE</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MAX # OF KEYS:</th>
<th>SMART DONGLE?</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>YES</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>KEYS:</th>
<th>SECURITY:</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEALER KEY ordered by VIN is required if using the ADC-181 software. This is because the chip contains Vehicle Specific Pre-Coding. Later Software (ADS-231) can be used to create a programmable transponder (SEE HERE for more info).</td>
<td>SECURITY: 5 DIGIT PIN CODE REQUIRED</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>COMPONENTS MATCHED?</th>
<th>MATCHING CAPABILITY?</th>
</tr>
</thead>
<tbody>
<tr>
<td>YES</td>
<td>NONE</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SECURITY LIGHT / THEFT INDICATOR:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light should be out at end of procedure. If theft light blinks or comes on steady the key/keys have not been accepted.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TIPS:</th>
</tr>
</thead>
<tbody>
<tr>
<td>TIPS: Make sure you have ALL the keys you want to program ready.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MORE INFO:</th>
</tr>
</thead>
</table>

**WARNINGS: - READ THESE OR BE SORRY LATER!**

**FACTORY ALARM** - Some 2 door models require BCM replacement if the alarm is tripped and no programmed keys are available.

**KEYS** - All the keys you want to program must be present.

If there are any other keys to the car out there, they must be present or they will be deleted forever. They can never be programmed back in, EVER. Once deleted, they might as well be paper weights.
FIAT 500

Use this method to Program keys

Requires a 5-digit PIN CODE and a dealer ordered key at this time.

START HERE:

Select:
+FIAT
+USA
+BY VEHICLE

Run through the procedure of READING FAULT CODES.
Then CLEAR FAULT CODES.

START HERE:

VEHICLE SELECTION

+ 500

OR

REQUIRES SMART CARD CALCULATOR OR WEB APP

RUN CHARGE

OR

USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

Switch ignition on

PRESS ENTER KEY

DIAGNOSTIC MENU

> READ FAULT CODES
CLEAR FAULT CODES

PRESS ENTER KEY

DIAGNOSTIC MENU

READ FAULT CODES
> CLEAR FAULT CODES

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
IMMOBILIZER
12 44 AD 12 47 5A 2C

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

PRESS ENTER KEY

DIAGNOSTIC MENU

PROGRAM KEYS
> KEY INFORMATION

PRESS ENTER KEY
MVP & TCODE PRO

FIAT

FIAT 500

Use this method to Program keys-Cont’d

*This tab is for the older ADS-181 software which is now augmented / changed by ADS-258

Select “Key Information” to view the key data on the car.

KEY INFORMATION
KEYS STORED: 4
LAST KEY: 3
LAST KEY ID: 2885E34A3CD
KEYCOD ST: 12 21 03

PRESS ENTER KEY

DIAGNOSTIC MENU
> PROGRAM KEYS
KEY INFORMATION

PROGRAMMING KEY
KEYS NOT AVAILABLE
WILL BE DELETED AND
CANNOT BE USED AGAIN

PRESS ENTER KEY

SECURITY CODE
_ _ _ _ _
1 2 3 4 5
6 7 8 9 0

Enter the PIN Code to the car.

SECURITY CODE
6 4 4 7 7
(This is just an example)

At this point you must program any other existing keys or they will deleted forever.

DO YOU WANT TO PROGRAM MORE KEYS?

If there are any other keys to the car out there, they must be present or they will be deleted forever. They can never be programmed back in, NEVER.
FIAT 500

*This tab is for the older ADS-181 software which is now augmented / changed by ADS-258

Follow the on-screen prompts for programming any other keys.
When you have no other keys to program into the car - follow the on-screen prompts to close the programming mode.

Check all keys for proper operation..
## FIAT 500L & DODGE PROMASTER (full size)

### PIN READ / PRECODE TRANSPONDER

#### SPECIAL FUNCTIONS

<table>
<thead>
<tr>
<th>Function</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>READ PIN / PRECODE</strong></td>
<td>Read the Pin Code &amp; the Precoding data for the transponder. Allows the ADC-242 Smart Aerial to precode a chip which prepares it for programming. The Rw4 can also be used with ADC-243 cable.</td>
</tr>
<tr>
<td><strong>Program Keys</strong></td>
<td>Erases all currently programmed keys from memory. Programs only keys used during the procedure.</td>
</tr>
<tr>
<td><strong>Warning</strong></td>
<td>Deleted Keys can NEVER be added back in!</td>
</tr>
</tbody>
</table>

---

500L and PROMASTER FULL SIZE will require a BCM RESET by either disconnecting the battery to the vehicle or just the BCM for about 1 minute. On PROMASTER battery is under a cover inside the cargo area.

#### T-CODE SOFTWARE #

<table>
<thead>
<tr>
<th>Software</th>
<th>Cable / Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADS-231</td>
<td>ADC-250 / ADC-251</td>
</tr>
</tbody>
</table>

#### MAX # OF KEYS:

<table>
<thead>
<tr>
<th>Keys</th>
<th>Security</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>SMART DONGLE?</td>
</tr>
<tr>
<td>YES</td>
<td>Required</td>
</tr>
</tbody>
</table>

#### KEYS:

Software can precode a transponder Use an SIP22 shell and a virgin 46 chip.

RKE keys ordered by VIN can be programmed.

At present time it's not possible to code a virgin OEM RKE key. This functionality we hope to have added soon.

#### SECURITY:

Software reads PIN CODE & Precoding data.

#### SECURITY LIGHT / THEFT INDICATOR:

Light should be out at end of procedure. If theft light blinks or comes on steady the key/keys have not been accepted.

#### MATCHING CAPABILITY?

NONE

#### DEALER EQUIPMENT NEEDED TO MATCH COMPONENTS IF CHANGED

#### TIPS:

TIPS: Make sure you have ALL the keys you want to program ready.

#### MORE INFO:

**WARNINGS: - READ THESE OR BE SORRY LATER!**

**FACTORY ALARM** - Some 2 door models require BCM replacement if the alarm is tripped and no programmed keys are available. Unfortunately, this remains true even using the new software.

**KEYS** - All the keys you want to program must be present.

If there are any other keys to the car out there, they must be present or they will be deleted forever. They can never be programmed back in, EVER. Once deleted, they might as well be paper weights.
SMART AERIAL ADC-242

• Pre-code data onto ID48 and ID46 transponders
• Connect via Smart Dongle
• Programming device and applicable software required
• Automatic Configuration
• Plug and Play
* ADS231, ADS258 Fiat® (ID46), ADS219 VAG® (ID48) software required

WATCH TRAINING VIDEOS ON FIAT & SMART AERIAL
Requires valid advanced-diagnostics.com login / account
FIAT 500L & DODGE PROMASTER (full size)
PIN READ / PRECODE TRANSPONDER

Use this method to READ PIN / PRECODE TRANSPONDER with Smart Aerial

1. CONNECT ADC-242 TO SMART DONGLE
2. CONNECT T-CODE / MVP TO THE VEHICLE OBD PORT.
3. ENSURE VOLTAGE IS AT 12 VOLTS OR HIGHER.

START HERE:
Select:
+FIAT (USA)
+BY VEHICLE
+500L
+199
+2012
+READ PIN / PRECODE

BCM RESET IS VERY SIMPLE:
AFTER READING THE PIN AND PRECODING DATA DISCONNECT POWER TO BCM MODULE OR TO MAIN VEHICLE BATTERY FOR 1 MINUTE. DO THIS AFTER COMPLETING THESE STEPS HERE....

READ PIN / PRECODE

SWITCH IGNITION OFF
PRESS ENTER KEY

READ PIN / PRECODE

PLEASE WAIT
THIS CAN TAKE UP TO 5 MINUTES
ENSURE IGNITION IS OFF
PRESS ENTER KEY

READ PIN / PRECODE

ID46_FT CAN
ISO CODE: FF A4 F3 6D
PINCODE : 12345
4F -AB - 66- 5A - F6 - F3
0D 760 BA B0
1F 8A DB 89
PRESS ENTER KEY

WRITE DOWN ALL THE PIN INFO FOR USE LATER IN KEY PROGRAMMING....

KEY INFORMATION

KEYS STORED: 04
LAST KEY: 05
LAST KEY ID 1250DB87
KEYCOD. ST. : 08 21 03

PRESS ENTER KEY

READ PIN / PRECODE

ENSURE THAT THE BCM IS RESET AFTER READING THE PRECODE DATA
FAILURE TO RESET THE BCM MAY RESULT IN IN VEHICLE FUNCTIONAL PROBLEMS. SEE MANUAL FOR BCM RESET PROCEDURE
PRESS ENTER KEY

READ PIN / PRECODE

SWITCH IGNITION ON
PRESS ENTER KEY

READ PIN / PRECODE

PRESS ENTER KEY
FIAT 500L & DODGE PROMASTER (full size)
PIN READ / PRECODE TRANSPONDER

Use this method to READ PIN / PRECODE TRANSPONDER with Smart Aerial - CONTINUED

READ PIN / PRECODE
ISO CODE: FF A4 00 F3 6D
PINCODE: 12345
PRESS ENTER KEY

CODING DATA
INSERT A BLANK ID46 TRANSPONDER INTO THE SMART AERIAL / RW4 / FAST COPY
PRESS ENTER KEY

STOP OR CONTINUE CODING MORE TRANSPONDERS.....

PROGRAMMING COMPLETE.
DO YOU WANT TO PROGRAM ANOTHER TRANSPONDER?

X

SWITCH AD100PRO OFF
RESET BCM

NOW RESET THE BCM BEFORE MOVING ON TO KEY PROGRAMMING

CODING DATA
TRANSPONDER CODING SUCCESSFUL
PRESS ENTER KEY
**FIAT 500L & DODGE PROMASTER (full size)**

**PROGRAM KEYS**

*Use this method to PROGRAM KEYS*

**START HERE:**

Select:

+FIAT (USA)
+BY VEHICLE
+500L / +199 or
+500 / +312 (pick the car you are working on
+2012 etc.
+IMMOBILISER

---

**READ PIN / PRECODE**

SWITCH IGNITION ON

PRESS ENTER KEY

**ECU IDENTIFICATION**

VIN : ZFA19990005084366
ISO CODE: FF A4 00 F3 6D

PRESS ENTER KEY

**DIAGNOSTIC MENU**

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

PRESS ENTER KEY

**DIAGNOSTIC MENU**

> PROGRAM KEYS
KEY INFORMATION

---

**PROGRAM KEYS**

KEYS NOT AVAILABLE
WILL BE DELETED AND
CANNOT BE USED AGAIN

PRESS ENTER KEY

If there are any other keys to the car out there, they must be present or they will be deleted forever. They can never be programmed back in, NEVER.

---

**SECURITY CODE**

_ _ _ _ _
1 2 3 4 5
6 7 8 9 0

Enter the PIN Code to the car.

**SECURITY CODE**

6 4 4 7 7
(This is just an example)

X

---

**PROGRAM KEYS**

KEY: 01
KEY - WITH REMOTE

PRESS ENTER KEY
FIAT 500L & DODGE PROMASTER (full size)
PROGRAM KEYS

Use this method to PROGRAM KEYS

START HERE:
Select:
+FIAT (USA)
+BY VEHICLE
+500
+199
+2012
+IMMOBILISER

READ PIN / PRECODE

SWITCH IGNITION ON
PRESS ENTER KEY

ECU IDENTIFICATION
VIN : ZFA199900005084366
ISO CODE: FF A4 00 F3 6D
PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS
PRESS ENTER KEY

DIAGNOSTIC MENU
> PROGRAM KEYS
> KEY INFORMATION

PROGRAM KEYS
KEYS NOT AVAILABLE
WILL BE DELETED AND
CANNOT BE USED AGAIN
PRESS ENTER KEY

If there are any other keys to the car out there, they must be present or they will be deleted forever. They can never be programmed back in, NEVER.

SECURITY CODE

<p>| | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>0</td>
</tr>
</tbody>
</table>

Enter the PIN Code to the car.

SECURITY CODE
6 4 4 7 7
(This is just an example)

PROGRAM KEYS
KEY: 01
KEY - WITH REMOTE
PRESS ENTER KEY
FIAT 500L & DODGE PROMASTER (full size)
PROGRAM KEYS

Use this method to PROGRAM KEYS - CONTINUED

At this point you must program any other existing keys or they will deleted forever.

HERE FOR THIS EXAMPLE KEY NO 1 WAS A OEM KEY WITH REMOTE.
NOW LET’S CONTINUE AND PROGRAM A TRANSPONDER IN A SHELL & NO REMOTE.

KEY: 02
KEY - NO REMOTE

ALL DONE, TEST ALL KEYS.....
## SPECIAL FUNCTIONS

### Program Keys

This is a guided software. Follow the prompts

**Software will** Read the Pin Code & the Precoding data for the transponder. Allows the ADC-242 Smart Aerial to precode a chip which prepares it for programming. The Rw4 can also be used with ADC-243 cable.

Programs only keys used during the procedure.

**Warning:** Deleted Keys can NEVER be added back in!

---

### Unlike 500L and PROMASTER FULL SIZE FIAT 500 & Promaster City does NOT require a BCM RESET

## T-TYPE SOFTWARE #

<table>
<thead>
<tr>
<th>T-CODE SOFTWARE #</th>
<th>CABLE / DONGLE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADS-258</td>
<td>ADC-250 / ADC-251</td>
</tr>
</tbody>
</table>

### MAX # OF KEYS:

<table>
<thead>
<tr>
<th>MAX # OF KEYS:</th>
<th>SMART DONGLE?</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>YES - Required</td>
</tr>
</tbody>
</table>

### KEYS:

Software can precode a transponder Use an SIP22 shell and a virgin 46 chip.

RKE keys ordered by VIN can be programmed.

At present time it’s not possible to code a virgin OEM RKE key. This functionality We hope to have added soon.

### SECURITY:

Software reads PIN CODE & Precoding data.

### SMART AERIAL?

YES

---

### MATCHING CAPABILITY?

NONE

### DEALER EQUIPMENT NEEDED TO MATCH COMPONENTS IF CHANGED

---

### SECURITY LIGHT / THEFT INDICATOR:

Light should be out at end of procedure. If theft light blinks or comes on steady the key/keys have not been accepted.

---

### TIPS:

Make sure you have ALL the keys you want to program ready.

---

### MORE INFO:

---

### WARNINGS: - READ THESE OR BE SORRY LATER!

**FACTORY ALARM** - Some 2 door models require BCM replacement if the alarm is tripped and no programmed keys are available. Unfortunately, this remains true even using the new software.

**KEYS** - All the keys you want to program must be present.

If there are any other keys to the car out there, they must be present or they will be deleted forever. They can never be programmed back in, EVER. Once deleted, they might as well be paper weights.
FIAT 500 & DODGE PROMASTER CITY
PROGRAM KEYS

Use this method to:
READ PIN CODE / PRECODE TRANSPONDER PROGRAM KEYS

START HERE: Select:
+FIAT (USA)
+BY VEHICLE
+500
+312
+2012
+IMMOBILISER

DIAGNOSTIC MENU

>PROGRAM KEYS

PRESS ENTER KEY

PROGRAMMING KEYS

DO YOU WANT TO PROGRAM A BLANK TRANSPONDER OR READ THE PIN CODE

X

PRESS ENTER KEY

PROGRAM KEYS

SWITCH IGNITION OFF
REMOVE KEY

PRESS ENTER KEY

READ PIN / PRECODE

ID46_FT CAN
ISO CODE: FF A4 F3 6D
PINCODE: 12345
4F -AB - 66- 5A - F6 - F3
0D 760 BA B0
1F 8A DB 89

PRESS ENTER KEY
FIAT 500 & DODGE PROMASTER CITY
PROGRAM KEYS

Use this method to:
READ PIN CODE / PRECODE TRANSPONDER PROGRAM KEYS
- CONTINUED

PROGRAMMING KEYS

ALL AFTERMARKET KEYS WILL HAVE TO HAVE BLANK TRANSPONDERS THAT REQUIRE PRECODING

DO YOU WANT TO PRECODE ANY BLANK TRANSPONDERS?

PROGRAMMING KEYS

DO YOU HAVE A DEALER KEY?

PROGRAMMING KEYS

KEYS NOT AVAILABLE WILL BE DELETED AND CANNOT BE USED AGAIN

PROGRAMMING COMPLETE.
DO YOU WANT TO PROGRAM ANOTHER BLANK TRANSPONDER?

UNLESS YOU HAVE MORE TRANSPONDERS TO PRECODE SELECT NO (X)
FIAT 500 & DODGE PROMASTER CITY

PROGRAM KEYS

*Use this method to:*

READ PIN CODE / PRECODE TRANSPONDER PROGRAM KEYS

- CONTINUED

**PROGRAMMING KEYS**

YOU WANT TO PROGRAM ANOTHER KEY

X ✔

IF YOU HAVE MORE KEYS TO PROGRAM

SELECT YES ✔

**PROGRAMMING KEY**

REMOVE KEY
INSERT NEXT KEY
SWITCH IGNITION ON

PRESS ENTER KEY

PLEASE WAIT.......

PRESS ENTER KEY

**PROGRAM KEYS**

KEYS PROGRAMMED: 2

PRESS ENTER KEY

ALL DONE, TEST ALL KEYS.....
**FIAT TRANSPONDER PRECODING USING RW4 / FAST COPY & ADC-243 CABLE**

*Use this method to connect RW4 / Fast Copy*

The ADC-243 connection cable is a great alternative to the Smart Aerial for those that already own an RW4 / FAST COPY and want to do FIAT.

<table>
<thead>
<tr>
<th>Step</th>
<th>Image</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><img src="image1.png" alt="Image" /></td>
<td>RW4 or Fast Copy Required</td>
</tr>
<tr>
<td>2</td>
<td><img src="image2.png" alt="Image" /></td>
<td>ADC-243 or MVPPro 2.0 Software Required</td>
</tr>
<tr>
<td>3</td>
<td><img src="image3.png" alt="Image" /></td>
<td>Connect ADC-243 cable to Smart Aerial</td>
</tr>
<tr>
<td>4</td>
<td><img src="image4.png" alt="Image" /></td>
<td>Connect ADC-243 cable to RW4 or Fast Copy</td>
</tr>
<tr>
<td>5</td>
<td><img src="image5.png" alt="Image" /></td>
<td>Connect new cable into RW4 or Fast Copy</td>
</tr>
<tr>
<td>6</td>
<td><img src="image6.png" alt="Image" /></td>
<td>Connect inner cable into RW4 or Fast Copy</td>
</tr>
<tr>
<td>7</td>
<td><img src="image7.png" alt="Image" /></td>
<td>RW4 (Fast Copy) can be powered from a vehicle</td>
</tr>
<tr>
<td>8</td>
<td><img src="image8.png" alt="Image" /></td>
<td>Switch on RW4 or Fast Copy</td>
</tr>
<tr>
<td>9</td>
<td><img src="image9.png" alt="Image" /></td>
<td>Device is now ready to write to transponder</td>
</tr>
<tr>
<td>10</td>
<td><img src="image10.png" alt="Image" /></td>
<td>Insert Key / transponder into transponder</td>
</tr>
<tr>
<td>11</td>
<td><img src="image11.png" alt="Image" /></td>
<td>Pre-Coding Data</td>
</tr>
<tr>
<td>12</td>
<td><img src="image12.png" alt="Image" /></td>
<td>Please insert a blank 1444 transponder into the Smart Aerial and Fast Copy. (Instructions vary depending on vehicle)</td>
</tr>
</tbody>
</table>
MVP & T-CODE PRO

FORD LINCOLN MERCURY SECTION

MVP U.S. Patent #7315238

T-CODE SOFTWARE PACKS:

Ford Basic USA (ADS-100)
Ford 2011 (ADS-175)
Ford USA 2010 (ADS-172)
Ford / Mazda Parameter Reset (ADS-190)
Ford USA 2013 (ADS-209)
Mazda CAN (ADS-133)
Ford 2016 (ADS-257)

(ADS-133 is needed for FORD 10-MIN BYPASS)

(Software names generally refer to the date of release on the T-CODE not the years of vehicles covered).
### 2003-2006 AVIATOR (LINCOLN)

<table>
<thead>
<tr>
<th>ILCO SYSTEM</th>
<th>SMART Card PIN Required</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>H92-PT PCM</td>
<td>Yes, No</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

### 2002 BLACKWOOD (LINCOLN)

<table>
<thead>
<tr>
<th>ILCO SYSTEM</th>
<th>SMART Card PIN Required</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>H72-PT HEC</td>
<td>Yes, No</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

### 2013-2016 C-MAX (FORD) WITH PROXIMITY START BUTTON IGNITION

<table>
<thead>
<tr>
<th>PROX SYSTEM</th>
<th>SMART Card PIN Required</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM 164-R8048 STRATTEC 5918818 Select by Vehicle No</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

These vehicles require a 2 step procedure- MVP will need 2 tokens, 1 for Transponder, 1 for Prox. Add & or Erase functions are available, 2 Proximity remotes are required if using erase.

**STEP #1**
Proximity Functions NO Requires 10min L-Pink Or SD

**STEP #2**
Transponder Functions NO Requires 10min G-Tan Or SD

### 2013-2014 C-MAX ENERGI (FORD) WITH PROXIMITY START BUTTON IGNITION

<table>
<thead>
<tr>
<th>PROX SYSTEM</th>
<th>SMART Card PIN Required</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM 164-R7995 STRATTEC 5923790-3790 Select by Vehicle No</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

These vehicles require a 2 step procedure- MVP will need 2 tokens, 1 for Transponder, 1 for Prox. Add & or Erase functions are available, 2 Proximity remotes are required if using erase.

**STEP #1**
Proximity Functions NO Requires 10min L-Pink Or SD

**STEP #2**
Transponder Functions NO Requires 10min G-Tan Or SD

Perform the L dongle procedure first on C-MAX

### 2013-2016 C-MAX (FORD) WITH KEY TYPE IGNITION

<table>
<thead>
<tr>
<th>ILCO SYSTEM</th>
<th>SMART Card PIN Required</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>H94-PT Select by Vehicle No</td>
<td></td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>
## 2017 Continental (Lincoln) with Proximity Start Button Ignition

<table>
<thead>
<tr>
<th>Year</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>10 Min Bypass</th>
<th>Smart Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017</td>
<td>ILCO</td>
<td>102</td>
<td>Yes</td>
<td>See Below</td>
<td>PRO Dongle</td>
</tr>
</tbody>
</table>

### OEM Prox Remote

**Select by Vehicle** Yes  See Below  No  G-Tan Or SD

**Note:** Transponder optional. Most Contour’s with V-6 Engine’s have it. Overlapping immobilizer types.

---

## 1998-2002 Continental (Lincoln)

<table>
<thead>
<tr>
<th>Year</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>10 Min Bypass</th>
<th>Smart Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>1998-2002</td>
<td>ILCO</td>
<td>102</td>
<td>Yes</td>
<td>Yes with SMC &amp; ADS133</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

### H72-PT

**Vic** Yes  No  A-Black Or SD

**Note:** Production Date of 02/02/98 & up models use PCM system. Transponder optional.

---

## 1999-2000 Contour (Ford)

<table>
<thead>
<tr>
<th>Year</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>10 Min Bypass</th>
<th>Smart Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>1999-2000</td>
<td>ILCO</td>
<td>102</td>
<td>Yes</td>
<td>Yes with SMC &amp; ADS133</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

### H73-PT

**Pats 1** Yes  No  A-Black Or SD

**Note:** Transponder optional. Most Contour’s with V-6 Engine’s have it. Overlapping immobilizer types.

---

## 1997-1998 Contour (Ford)

<table>
<thead>
<tr>
<th>Year</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>10 Min Bypass</th>
<th>Smart Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>1997-1998</td>
<td>ILCO</td>
<td>102</td>
<td>Yes</td>
<td>Yes with SMC &amp; ADS133</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

### H73-PT

**Pats 1** Yes  No  A-Black Or SD

**Note:** Production Date of 02/02/98 & up models use PCM system. Transponder optional.

---

## 1999-2002 Cougar (Mercury)

<table>
<thead>
<tr>
<th>Year</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>10 Min Bypass</th>
<th>Smart Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>1999-2002</td>
<td>ILCO</td>
<td>102</td>
<td>Yes</td>
<td>Yes with SMC &amp; ADS133</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

### H73-PT

**Pcm** Yes  No  A-Black Or SD

**Note:** We have seen a few instances on this model, where following an ERASE just cycling the keys would not allows keys back in. The solution was to run ADD KEY using each key until 2 are programmed. It’s possible you may need to run ADD key twice on each key before they program.

---

## 2005-2011 Crown Victoria (Ford)

<table>
<thead>
<tr>
<th>Year</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>10 Min Bypass</th>
<th>Smart Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>2005-2011</td>
<td>ILCO</td>
<td>102</td>
<td>Yes</td>
<td>Yes with SMC &amp; ADS133</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

### H92-PT

**Pats 3** Yes  No  A-Black Or SD

**Note:** Some 2011 Crown Vic's were made. Most were Police Cruisers and do not have a Transponder System.
<table>
<thead>
<tr>
<th>Year</th>
<th>Model</th>
<th>System</th>
<th>Smart Card PIN Required</th>
<th>BYPASS Time</th>
<th>Dongle Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>2003-2004</td>
<td>Crown Victoria (Ford)</td>
<td>PCM</td>
<td>Yes</td>
<td>Yes with SMC &amp; ADS133</td>
<td>A-Black or SD</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ILCO</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
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<td></td>
<td>H92-PT</td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Transponder system was optional.

<table>
<thead>
<tr>
<th>Year</th>
<th>Model</th>
<th>System</th>
<th>Smart Card PIN Required</th>
<th>BYPASS Time</th>
<th>Dongle Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1998-2002</td>
<td>Crown Victoria (Ford)</td>
<td>PATS 2</td>
<td>Yes</td>
<td>Yes with SMC &amp; ADS133</td>
<td>A-Black or SD</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ILCO</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>H72-PT</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year</th>
<th>Model</th>
<th>System</th>
<th>Smart Card PIN Required</th>
<th>BYPASS Time</th>
<th>Dongle Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010-2013</td>
<td>E Series Van (Ford)</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>10 MIN Wait</td>
<td>A-Black or SD</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ILCO</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>H92-PT</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Transponder system was optional.

<table>
<thead>
<tr>
<th>Year</th>
<th>Model</th>
<th>System</th>
<th>Smart Card PIN Required</th>
<th>BYPASS Time</th>
<th>Dongle Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008-2009</td>
<td>E Series Van (Ford)</td>
<td>PATS 4 / 5*</td>
<td>Yes</td>
<td>Yes with SMC &amp; ADS133</td>
<td>A-Black or SD</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ILCO</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>H92-PT</td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

*Select PATS 5 if using Bypass

<table>
<thead>
<tr>
<th>Year</th>
<th>Model</th>
<th>System</th>
<th>Smart Card PIN Required</th>
<th>BYPASS Time</th>
<th>Dongle Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015-2016</td>
<td>Edge (Ford) with Proximity Start Button Ignition</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>SEE BELOW</td>
<td>G-Tan or SD</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OEM PROX REMOTE</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**A Stand Alone Bypass is Now Available Using Smart Dongle!**
Without Smart Dongle or in some cases when the alarm has been tripped Requires Web Access, Advanced-Diagnostics.Com login and a valid N.A.S.T.F. -LS ID & AD Q/R APP for SmartPhones is recommended

<table>
<thead>
<tr>
<th>Year</th>
<th>Model</th>
<th>System</th>
<th>Smart Card PIN Required</th>
<th>BYPASS Time</th>
<th>Dongle Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011-2014</td>
<td>Edge (Ford) with Proximity Start Button Ignition</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>10 MIN Wait</td>
<td>L-Pink or SD</td>
</tr>
<tr>
<td></td>
<td></td>
<td>STRATTEC</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>5921285 - 4-Btn Prox</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>5921286 - 5-Btn Prox</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>5912345 - Emerg Key</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Dealer Prox Remote Fobs are available from Strattec.

<table>
<thead>
<tr>
<th>Year</th>
<th>Model</th>
<th>System</th>
<th>Smart Card PIN Required</th>
<th>BYPASS Time</th>
<th>Dongle Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011-2014</td>
<td>Edge (Ford) with Key Type Ignition</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>10 MIN Wait</td>
<td>A-Black or SD</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ILCO</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>H92-PT</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## 2010 EDGE (Ford)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>10 MIN BYPASS</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>H92-PT</strong></td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>10 MIN Wait</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

## 2007-2009 EDGE (Ford)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>10 MIN BYPASS</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>H92-PT</strong></td>
<td>PATS 4 / 5*</td>
<td>Yes</td>
<td>No</td>
<td>Yes with SMC &amp; ADS133</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

*Select PATS 5 if using Bypass

## 2017 ESCAPE TITANIUM (Ford) with Proximity Start Button Ignition

<table>
<thead>
<tr>
<th>PROX</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>10 MIN BYPASS</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>OEM PROX CHECK WITH SUPPLIER</strong></td>
<td>Select by Vehicle</td>
<td>Not needed</td>
<td>No</td>
<td>BYPASS</td>
<td>Requires SD</td>
</tr>
</tbody>
</table>

New software requires BETA 12.99 or higher

## 2013-2016 ESCAPE (Ford) with Proximity Start Button Ignition

<table>
<thead>
<tr>
<th>PROX</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>10 MIN BYPASS</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>OEM 164-R8048 STRATTEC 5919918</strong></td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>NO</td>
<td>Change between steps</td>
</tr>
</tbody>
</table>

These vehicles require a 2 step procedure- MVP will need 2 tokens, 1 for Transponder, 1 for Prox. Add & or Erase functions are available, 2 Proximity remotes are required if using erase.

**STEP #1**

**Proximity Functions**

NO

Requires 10min

**STEP #2**

**Transponder Functions**

NO

Requires 10min

## 2014-2017 ESCAPE (Ford) with Key Type Ignition

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>10 MIN BYPASS</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>H94-PT</strong></td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>NO</td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

## 2013 ESCAPE (Ford) with Key Type Ignition

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>10 MIN BYPASS</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>H94-PT</strong></td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>10 MIN Wait</td>
<td>G-Tan Or SD</td>
</tr>
<tr>
<td>Year</td>
<td>Model</td>
<td>Key System</td>
<td>PIN Required</td>
<td>PIN Read</td>
<td>Dongle Color</td>
</tr>
<tr>
<td>------------</td>
<td>-----------------</td>
<td>------------</td>
<td>--------------</td>
<td>--------------</td>
<td>--------------</td>
</tr>
<tr>
<td>2009-2012</td>
<td>ESCAPE (Ford)</td>
<td>H92-PT</td>
<td>Yes</td>
<td>No</td>
<td>10 MIN BYPASS</td>
</tr>
<tr>
<td></td>
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<td></td>
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</tr>
<tr>
<td>2008-2012</td>
<td>ESCAPE HYBRID (Ford)</td>
<td>H92-PT</td>
<td>Yes</td>
<td>No</td>
<td>10 MIN BYPASS</td>
</tr>
<tr>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>2008</td>
<td>ESCAPE (Ford)</td>
<td>H92-PT</td>
<td>Yes</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td></td>
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</tr>
<tr>
<td>2005-2007</td>
<td>ESCAPE (Ford)</td>
<td>H92-PT</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
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<td></td>
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</tr>
<tr>
<td>2001-2004</td>
<td>ESCAPE (Ford)</td>
<td>H86-PT</td>
<td>Yes</td>
<td>No</td>
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<tr>
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<tr>
<td>2000-2005</td>
<td>EXCURSION (Ford)</td>
<td>H72-PT</td>
<td>Yes</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2015-2017</td>
<td>EXPEDITION (Ford)</td>
<td>OEM PROX REMOTE</td>
<td>Yes</td>
<td>No</td>
<td>Yes with SMC &amp; ADS133</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2015-2016</td>
<td>EXPEDITION (Ford)</td>
<td>5913341, 5912512, 5912560</td>
<td>Yes</td>
<td>No</td>
<td>Yes with SMC &amp; ADS133</td>
</tr>
</tbody>
</table>

*Select PATS 5 if using Bypass
## Advanced Diagnostics USA Manual for MVP & T-CODE

**FORD**

### 2012-2014 Expedition (Ford)  
**ILCO System** | **SMART Card** | **PIN Required** | **PIN Read** | **PRO Dongle**  
--- | --- | --- | --- | ---  
H92-PT | PATS 5 | Yes | No | Yes with SMC & ADS133 | A-Black Or SD  
**Note:** We have found that on these cars ADD-KEY does not work, only use ERASE KEYS.

### 2009-2011 Expedition (Ford)  
**ILCO System** | **SMART Card** | **PIN Required** | **PIN Read** | **PRO Dongle**  
--- | --- | --- | --- | ---  
H92-PT | PATS 5 | Yes | No | 10 MIN Wait | A-Black Or SD  

### 2007-2008 Expedition (Ford)  
**ILCO System** | **SMART Card** | **PIN Required** | **10 MIN BYPASS** | **PRO Dongle**  
--- | --- | --- | --- | ---  
H92-PT | PATS 4 / 5* | Yes | No | Yes with SMC & ADS133 | A-Black Or SD  
*Select PATS 5 if using Bypass*

### 2005-2006 Expedition (Ford)  
**ILCO System** | **SMART Card** | **PIN Required** | **10 MIN BYPASS** | **PRO Dongle**  
--- | --- | --- | --- | ---  
H92-PT | PATS 3 | Yes | No | Yes with SMC & ADS133 | A-Black Or SD  

### 2003-2004 Expedition (Ford)  
**ILCO System** | **SMART Card** | **PIN Required** | **10 MIN BYPASS** | **PRO Dongle**  
--- | --- | --- | --- | ---  
H92-PT | PCM | Yes | No | Yes with SMC & ADS133 | A-Black Or SD  

### 1999-2002 Expedition (Ford)  
**ILCO System** | **SMART Card** | **PIN Required** | **10 MIN BYPASS** | **PRO Dongle**  
--- | --- | --- | --- | ---  
H72-PT | HEC | Yes | No | Yes with SMC & ADS133 | A-Black Or SD  

### 1997-1998 Expedition (Ford)  
**ILCO System** | **SMART Card** | **PIN Required** | **10 MIN BYPASS** | **PRO Dongle**  
--- | --- | --- | --- | ---  
H72-PT | PATS 1 | Yes | No | 8 MIN Wait | A-Black Or SD
### 2016-2017 EXPLORER (FORD) WITH PROXIMITY START BUTTON IGNITION

<table>
<thead>
<tr>
<th>OEM PROX REMOTE</th>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM PROX REMOTE</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>SEE BELOW</td>
<td>NO</td>
<td>G-Tan Or SD</td>
<td></td>
</tr>
</tbody>
</table>

**A STAND ALONE BYPASS IS NOW AVAILABLE USING SMART DONGLE!**
Without Smart Dongle or in some cases when the alarm has been tripped Requires Web Access, Advanced-Diagnostics.Com login and a valid N.A.S.T.F. -AD Q/R APP for SmartPhones is recommended.

### 2011-2015 EXPLORER (FORD) WITH KEY TYPE IGNITION

<table>
<thead>
<tr>
<th>STRATTEC</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>10 MIN BYPASS</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>5913341 , 5912512 5912560</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>10 MIN Wait</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

**Note:** We have found that on these cars ADD-KEY does not work, only use ERASE KEYS.

### 2011-2015 EXPLORER (FORD) WITH PROXIMITY START BUTTON IGNITION

<table>
<thead>
<tr>
<th>STRATTEC</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>10 MIN BYPASS</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>5921285 - 4-Btn Prox 5921286 - 5-Btn Prox 5912345 - Emerg Key</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>10 MIN Wait</td>
<td>L-Pink Or SD</td>
</tr>
</tbody>
</table>

### 2010 EXPLORER (FORD)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>H92-PT</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>10 MIN Wait</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

### 2006-2009 EXPLORER (FORD)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>10 MIN BYPASS</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>H92-PT</td>
<td>PATS 4 / 5*</td>
<td>Yes</td>
<td>No</td>
<td>Yes with SMC &amp; ADS133</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

*Select PATS 5 if using Bypass

### 2004-2005 EXPLORER (FORD)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>10 MIN BYPASS</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>H92-PT</td>
<td>PATS 3</td>
<td>Yes</td>
<td>No</td>
<td>Yes with SMC &amp; ADS133</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>
### 2001-2003 EXPLORER (FORD)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>10 MIN BYPASS</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>H92-PT</td>
<td>PCM</td>
<td>Yes</td>
<td>No</td>
<td>Yes with SMC &amp; ADS133</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

**IMPORTANT:** Model Year 2001 is split year - Overlapping immobilizer types & keys. Use the production date. Usually up to 07/2000 production date is PATS 2. After 07/2000 is PCM. (SEE BELOW)

**READ THIS BEFORE CUTTING ANY KEYS!**

Look at the existing original keys to the vehicle.
If the original key is an H84 key, the system to use is PCM.
If the original key is an H-72 key then the system is PATS 2.

**IF NO KEY IS AVAILABLE WE SUGGEST DOING THIS:**

A. Cut and use only a metal non transponder work key.
B. Using the PROD DATE (see above) use the system you “think it should be” based on the PROD DATE.
C. Before doing any programming look at “KEYS PROGRAMMED” on the special functions menu. (should show at least 2 keys)
D. Use “CLEAR ERASE PATS” and then look at the “KEYS PROGRAMMED” info again to see if the keys have been erased. (should now show 0 KEYS PROGRAMMED). If keys have not erased use the other system. IE PATS 2 or PCM.
E. When you have determined which system will ERASE the keys you then will know which type of keys to cut. Now cut and cycle them in to program.
F. If PATS 2 system then simply cut and cycle 2 H72 Keys. If PCM system cut and cycle 2 H84 keys.

### 1998-2001 EXPLORER (FORD)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>10 MIN BYPASS</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>H72-PT</td>
<td>PATS 2</td>
<td>Yes</td>
<td>No</td>
<td>Yes with SMC &amp; ADS133</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

**Note:** Model Year 2001 is split year - Overlapping immobilizer types & keys. Use the production date. Usually up to 07/2000 production date is PATS 2. After 07/2000 is PCM. (SEE ABOVE)

### 2010 EXPLORER SPORT TRAC (FORD)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>10 MIN BYPASS</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>H92-PT</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>10 MIN Wait</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

### 2006-2009 EXPLORER SPORT TRAC (FORD)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>10 MIN BYPASS</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>H92-PT</td>
<td>PATS 4 / 5*</td>
<td>Yes</td>
<td>No</td>
<td>Yes with SMC &amp; ADS133</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

*Select PATS 5 if using Bypass*
**2001-2005 EXPLORER SPORT TRAC (Ford)**

<table>
<thead>
<tr>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCM</td>
<td>Yes</td>
<td>No</td>
<td>A-Black</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Or SD</td>
</tr>
</tbody>
</table>

**IMPORTANT:** Model Year 2001 is split year - Overlapping immobilizer types & keys. Use the production date. Usually up to 07/2000 production date is PATS 2. After 07/2000 is PCM. (SEE BELOW)

---

**READ THIS BEFORE CUTTING ANY KEYS!**

Look at the existing original keys to the vehicle.
If the original key is an H84 key, the system to use is PCM.
If the original key is an H-72 key then the system is PATS 2.

**IF NO KEY IS AVAILABLE WE SUGGEST DOING THIS:**

Have at least 2 of each H72 and H84 Key Blanks ready but DO NOT CUT THEM YET.

A. Cut and use **only a metal non transponder work key**.
B. Using the PROD DATE (see above) use the system you “think it should be” based on the PROD DATE.
C. **Before doing any programming look at “KEYS PROGRAMMED” on the special functions menu.** (should show at least 2 keys)
D. **Use “CLEAR ERASE PATS”** and then look at the “KEYS PROGRAMMED” info again to see if the keys have been erased. (should now show 0 KEYS PROGRAMMED). If keys have not erased use the other system. IE PATS 2 or PCM.
E. **When you have determined which system will ERASE the keys you then will know which type of keys to cut.** Now cut and cycle them in to program.
F. If PATS 2 system then simply cut and cycle 2 H72 Keys. If PCM system cut and cycle 2 H84 keys.

---

**EARLY 2001 EXPLORER SPORT TRAC (Ford)**

<table>
<thead>
<tr>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>PATS 2</td>
<td>Yes</td>
<td>No</td>
<td>A-Black</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Or SD</td>
</tr>
</tbody>
</table>

**Note:** Model Year 2001 is split year - Overlapping immobilizer types & keys. Use the production date. Usually up to 07/2000 production date is PATS 2. After 07/2000 is PCM.

---

**2017 F150 (Ford) with Keyed Ignition**

<table>
<thead>
<tr>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM KEY OR PROX REMOTE</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>SEE BELOW</td>
<td>G-Tan</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Or SD</td>
</tr>
</tbody>
</table>

**A STAND ALONE BYPASS IS NOW AVAILABLE USING SMART DONGLE!**

Without Smart Dongle or in some cases when the alarm has been tripped Requires Web Access, Advanced-Diagnostics.Com login and a valid N.A.S.T.F. -AD Q/R APP for SmartPhones is recommended

---

**2015-2016 F150 (Ford) with Proximity Start Button Ignition**

<table>
<thead>
<tr>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM KEY OR PROX REMOTE</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>SEE BELOW</td>
<td>G-Tan</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Or SD</td>
</tr>
</tbody>
</table>

**A STAND ALONE BYPASS IS NOW AVAILABLE USING SMART DONGLE!**

Without Smart Dongle or in some cases when the alarm has been tripped Requires Web Access, Advanced-Diagnostics.Com login and a valid N.A.S.T.F. -AD Q/R APP for SmartPhones is recommended
### MVP & T-CODE PRO - FORD

#### 2015-2016 F150 (Ford) with Keyed Ignition

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM KEY OR PROX REMOTE</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>SEE BELOW</td>
<td>NO</td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

**A STAND ALONE BYPASS IS NOW AVAILABLE USING SMART DONGLE!**
Without Smart Dongle or in some cases when the alarm has been tripped Requires Web Access, Advanced-Diagnostics.Com login and a valid N.A.S.T.F. - AD Q/R APP for SmartPhones is recommended

#### 2011-2014 F150 (Ford)

<table>
<thead>
<tr>
<th>H92-PT</th>
<th>Select by Vehicle</th>
<th>Yes</th>
<th>No</th>
<th>10 MIN Wait</th>
<th>A-Black Or SD</th>
</tr>
</thead>
</table>

**Note:** ON-BOARD PROGRAMMING A SEPARATE REMOTE IS NEEDED IF FACTORY ALARM IS ACTIVATED

#### 2009-2010 F150 (Ford)

<table>
<thead>
<tr>
<th>H92-PT</th>
<th>PATS 5</th>
<th>Yes</th>
<th>No</th>
<th>Yes with SMC &amp; ADS133</th>
<th>A-Black Or SD</th>
</tr>
</thead>
</table>

#### 2004-2008 F150 (Ford)

<table>
<thead>
<tr>
<th>H92-PT</th>
<th>PATS 3</th>
<th>Yes</th>
<th>No</th>
<th>Yes with SMC &amp; ADS133</th>
<th>A-Black Or SD</th>
</tr>
</thead>
</table>

#### 2004 F150 Heritage (Ford)

<table>
<thead>
<tr>
<th>H72-PT</th>
<th>HEC</th>
<th>Yes</th>
<th>No</th>
<th>Yes with SMC &amp; ADS133</th>
<th>A-Black Or SD</th>
</tr>
</thead>
</table>

#### 2001-2003 F150 (Ford)

<table>
<thead>
<tr>
<th>H72-PT</th>
<th>HEC</th>
<th>Yes</th>
<th>No</th>
<th>Yes with SMC &amp; ADS133</th>
<th>A-Black Or SD</th>
</tr>
</thead>
</table>

#### 1999-2000 F150 / F250 (Ford)

<table>
<thead>
<tr>
<th>H72-PT</th>
<th>HEC</th>
<th>Yes</th>
<th>No</th>
<th>Yes with SMC &amp; ADS133</th>
<th>A-Black Or SD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model Year</td>
<td>Model Description</td>
<td>Key System</td>
<td>Smart Card Required</td>
<td>PIN Required</td>
<td>PIN Read</td>
</tr>
<tr>
<td>------------</td>
<td>-------------------</td>
<td>------------</td>
<td>---------------------</td>
<td>--------------</td>
<td>----------</td>
</tr>
<tr>
<td>2017</td>
<td>F250 / F350 / F450 / F550 Super Duty (Ford) with Keyed Ignition</td>
<td>OEM KEY</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>SEE BELOW</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2011-2016</td>
<td>F250 / F350 / F450 / F550 Super Duty (Ford)</td>
<td>H92-PT</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2010</td>
<td>F250 / F350 / F450 / F550 Super Duty (Ford)</td>
<td>H92-PT</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Note:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2009</td>
<td>F250 / F350 / F450 Super Duty (Ford)</td>
<td>H92-PT</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Note:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2008</td>
<td>F250 / F350 / F450 Super Duty (Ford)</td>
<td>H92-PT</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Note:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2014-2016</td>
<td>Fiesta (Ford) with Proximity Start Button Ignition</td>
<td>OEM 164-R8048 Strattec 5919918</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: Fiesta Prox is a 1 step procedure - MVP will need just 1 token for both the Transponder & the Prox. Add & or Erase functions are available, 2 Proximity remotes are required if using erase.
## 2011-2013 FIESTA (FORD) with Proximity Start Button Ignition

<table>
<thead>
<tr>
<th>PROX</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>10 MIN BYPASS</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM 164-R8048</td>
<td>STRATTEC 5919918</td>
<td>Yes</td>
<td>No</td>
<td>Yes with SMC &amp; ADS133</td>
<td>L-Pink Or SD</td>
</tr>
</tbody>
</table>

Note: This vehicle requires Smart Card Calculator (SMC) Enabled, but is not used.

## 2014-2016 FIESTA (FORD) with Key Type Ignition

<table>
<thead>
<tr>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>ILCO</td>
<td>H94-PT</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Note: This vehicle also use’s a Dealer Remote Head Key. High Security 2-Track keyway. This vehicle also requires Smart Card Calculator (SMC) Enabled, but is not used.

## 2005-2007 FIVE HUNDRED (500) (FORD)

<table>
<thead>
<tr>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>H92-PT</td>
<td>PATS 3</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

## 2013-2014 FLEX (FORD) with Proximity Start Button Ignition

<table>
<thead>
<tr>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>5921285 - 4-Btn Prox</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>10 MIN Wait</td>
</tr>
</tbody>
</table>

## 2013-2014 FLEX (FORD) with Key Type Ignition

<table>
<thead>
<tr>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>5913441 or 5918897</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>10 MIN Wait</td>
</tr>
</tbody>
</table>

## 2010-2012 FLEX (FORD)

<table>
<thead>
<tr>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>H92-PT</td>
<td>PATS 5</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>
### 2009 FLEX (FORD) with PROX SYSTEM

<table>
<thead>
<tr>
<th>Model</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>10 Min BYPASS</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>H92-PT</td>
<td>PATS 4 / 5*</td>
<td>Yes</td>
<td>No</td>
<td>Yes with SMC &amp; ADS133</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

*Select PATS 5 if using Bypass

### 2014-2016 FOCUS ST (FORD) with PROX SYSTEM

<table>
<thead>
<tr>
<th>Model</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>10 Min BYPASS</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM PROX CHECK WITH SUPPLIER</td>
<td>Yes</td>
<td>No</td>
<td></td>
<td>No</td>
<td>BYPASS Requires SD</td>
</tr>
</tbody>
</table>

PROX learning slot located in Center Console. New software requires BETA 12.99 or higher

### 2015-2016 FOCUS TITANIUM (FORD) with PROX SYSTEM

<table>
<thead>
<tr>
<th>Model</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>10 Min BYPASS</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM PROX CHECK WITH SUPPLIER</td>
<td>Yes</td>
<td>No</td>
<td></td>
<td>No</td>
<td>BYPASS Requires SD</td>
</tr>
</tbody>
</table>

PROX learning slot located in Center Console. New software requires BETA 12.99 or higher

### 2014 FOCUS (FORD) with PROX SYSTEM

<table>
<thead>
<tr>
<th>Model</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>10 Min BYPASS</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM PROX CHECK WITH SUPPLIER</td>
<td>Yes</td>
<td>No</td>
<td></td>
<td>NO</td>
<td>Change between steps</td>
</tr>
</tbody>
</table>

These vehicles require a 2 step procedure- MVP will need 2 tokens, 1 for Transponder, 1 for Prox Add & or Erase functions are available, 2 Proximity remotes are required if using erase.

#### STEP #1

Proximity Functions

Requires 10min

L-Pink Or SD

#### STEP #2

Transponder Functions

Requires 10min

G-Tan Or SD

NOTE: Excludes 2014> FOCUS ST models
### 2012-2013 FOCUS (Ford) with Proximity Start Button Ignition

<table>
<thead>
<tr>
<th>PROX</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>Time</th>
<th>Dongle</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM 164-R8048 STRATTEC 5919918</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>NO</td>
<td>No Change</td>
<td>Change between steps</td>
</tr>
</tbody>
</table>

These vehicles require a 2 step procedure- MVP will need 2 tokens, 1 for Transponder, 1 for Prox Add & or Erase functions are available, 2 Proximity remotes are required if using erase.

<table>
<thead>
<tr>
<th>STEP #1</th>
<th>Proximity Functions</th>
<th>Requires 10min</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>L-Pink Or SD</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>STEP #2</th>
<th>Transponder Functions</th>
<th>Requires 10min</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>G-Tan Or SD</td>
<td></td>
</tr>
</tbody>
</table>

### 2014-2017 FOCUS (Ford) with Key Type Ignition

<table>
<thead>
<tr>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>Time</th>
<th>Dongle</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>H94-PT</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>NO</td>
<td>No</td>
</tr>
</tbody>
</table>

### 2012-2013 FOCUS (Ford) with Key Type Ignition

<table>
<thead>
<tr>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>Time</th>
<th>Dongle</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>H94-PT</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>10 MIN Wait</td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

### 2008-2011 FOCUS (Ford)

<table>
<thead>
<tr>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>Time</th>
<th>Dongle</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>H92-PT</td>
<td>PATS 5</td>
<td>Yes</td>
<td>No</td>
<td>10 MIN Wait</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

### 2006-2007 FOCUS (Ford)

<table>
<thead>
<tr>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>Time</th>
<th>Dongle</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>H92-PT</td>
<td>PATS 3</td>
<td>Yes</td>
<td>No</td>
<td>Yes with SMC &amp; ADS133</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

### 2005 FOCUS (Ford)

<table>
<thead>
<tr>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>Time</th>
<th>Dongle</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>H86-PT</td>
<td>PATS 3</td>
<td>Yes</td>
<td>No</td>
<td>Yes with SMC &amp; ADS133</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>
### 2003-2004 Focus (Ford)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>10 MIN BYPASS</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>H86-PT</td>
<td>See Notes</td>
<td>Yes</td>
<td>No</td>
<td>Yes with SMC &amp; ADS133</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

**Note:** PCM system for 2.0 litre Engines (Non PZEV)  
**Note:** PATS 3 system for 2.3 litre Engines (PZEV)

---

### 2000-2002 Focus (Ford)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>10 MIN BYPASS</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>H86-PT</td>
<td>PCM</td>
<td>Yes</td>
<td>No</td>
<td>Yes with SMC &amp; ADS133</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

---

### 2004-2007 Freestyle (Ford)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>10 MIN BYPASS</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>H92-PT</td>
<td>2004-05</td>
<td>Yes</td>
<td>No</td>
<td>Yes with SMC &amp; ADS133</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

---

### 2005-2007 Freestar (Ford)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>10 MIN BYPASS</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>H92-PT</td>
<td>2004-05</td>
<td>Yes</td>
<td>No</td>
<td>Yes with SMC &amp; ADS133</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

---

### 2013-2017 Fusion (Ford) with Key Type Ignition

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>G-Tan Or SD</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM REMOTE HEAD KEY</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>SEE BELOW</td>
<td>NO</td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

**A Stand Alone Bypass is Now Available Using Smart Dongle!**  
Without Smart Dongle or in some cases when the alarm has been tripped Requires Web Access, Advanced-Diagnostics.Com login and a valid N.A.S.T.F. -LS ID & AD Q/R APP for SmartPhones is recommended

---

### 2013-2017 Fusion (Ford) with Proximity Start Button Ignition

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>G-Tan Or SD</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM PROX REMOTE</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>SEE BELOW</td>
<td>NO</td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

**A Stand Alone Bypass is Now Available Using Smart Dongle!**  
Without Smart Dongle or in some cases when the alarm has been tripped Requires Web Access, Advanced-Diagnostics.Com login and a valid N.A.S.T.F. -LS ID & [AD Q/R APP for SmartPhones is recommended](http://www.Advanced-Diagnostics.com)
<table>
<thead>
<tr>
<th>Year</th>
<th>Model</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010-2012</td>
<td><strong>Fusion (Ford)</strong></td>
<td>ILCO</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>10 MIN Wait</td>
<td>A-Black Or SD</td>
</tr>
<tr>
<td>2010-2012</td>
<td><strong>Fusion Hybrid (Ford)</strong></td>
<td>ILCO</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>10 MIN Wait</td>
<td>A-Black Or SD</td>
</tr>
<tr>
<td>2006-2009</td>
<td><strong>Fusion (Ford)</strong></td>
<td>ILCO</td>
<td>PATS 4 / 5*</td>
<td>Yes</td>
<td>No</td>
<td>Yes with SMC &amp; ADS133</td>
<td>A-Black Or SD</td>
</tr>
<tr>
<td>2005-2011</td>
<td><strong>Grand Marquis (Mercury)</strong></td>
<td>ILCO</td>
<td>PATS 3</td>
<td>Yes</td>
<td>No</td>
<td>Yes with SMC &amp; ADS133</td>
<td>A-Black Or SD</td>
</tr>
<tr>
<td>2003-2004</td>
<td><strong>Grand Marquis (Mercury)</strong></td>
<td>ILCO</td>
<td>PCM</td>
<td>Yes</td>
<td>No</td>
<td>Yes with SMC &amp; ADS133</td>
<td>A-Black Or SD</td>
</tr>
<tr>
<td>1998-2002</td>
<td><strong>Grand Marquis (Mercury)</strong></td>
<td>ILCO</td>
<td>PATS 2</td>
<td>Yes</td>
<td>No</td>
<td>Yes with SMC &amp; ADS133</td>
<td>A-Black Or SD</td>
</tr>
<tr>
<td>2005-2006</td>
<td><strong>Ford GT (Ford)</strong></td>
<td>ILCO</td>
<td>PATS 2</td>
<td>Yes</td>
<td>No</td>
<td>Yes with SMC &amp; ADS133</td>
<td>A-Black Or SD</td>
</tr>
<tr>
<td>2003-2006</td>
<td><strong>LS (Lincoln)</strong></td>
<td>ILCO</td>
<td>ICM</td>
<td>Yes</td>
<td>No</td>
<td>Yes with SMC &amp; ADS133</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

*Select PATS 5 if using Bypass
### 2000-2002 LS (Lincoln)

<table>
<thead>
<tr>
<th>Year Range</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>10 Min Bypass</th>
<th>Dongle Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>2000-2002 LS (Lincoln)</td>
<td>ILCO H74-PT</td>
<td>ICM</td>
<td>Yes</td>
<td>No</td>
<td>Yes with SMC &amp; ADS133</td>
</tr>
</tbody>
</table>

### 2003-2004 Marauder (MERCURY)

<table>
<thead>
<tr>
<th>Year Range</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>10 Min Bypass</th>
<th>Dongle Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>2003-2004 Marauder (MERCURY)</td>
<td>ILCO H92-PT</td>
<td>PCM</td>
<td>Yes</td>
<td>No</td>
<td>Yes with SMC &amp; ADS133</td>
</tr>
</tbody>
</table>

### 2009-2011 Mariner (MERCURY)

<table>
<thead>
<tr>
<th>Year Range</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>10 Min Bypass</th>
<th>Dongle Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009-2011 Mariner (MERCURY)</td>
<td>ILCO H92-PT</td>
<td>PATS 5</td>
<td>Yes</td>
<td>No</td>
<td>Yes with SMC &amp; ADS133</td>
</tr>
</tbody>
</table>

*Select PATS 5 if using Bypass

### 2008 Mariner (MERCURY)

<table>
<thead>
<tr>
<th>Year Range</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>10 Min Bypass</th>
<th>Dongle Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008 Mariner (MERCURY)</td>
<td>ILCO H92-PT</td>
<td>PATS 4 / 5*</td>
<td>Yes</td>
<td>No</td>
<td>Yes with SMC &amp; ADS133</td>
</tr>
</tbody>
</table>

### 2005-2007 Mariner (MERCURY)

<table>
<thead>
<tr>
<th>Year Range</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>10 Min Bypass</th>
<th>Dongle Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>2005-2007 Mariner (MERCURY)</td>
<td>ILCO H92-PT</td>
<td>PATS 3</td>
<td>Yes</td>
<td>No</td>
<td>Yes with SMC &amp; ADS133</td>
</tr>
</tbody>
</table>

### 2008-2008 Mark LT (Lincoln)

<table>
<thead>
<tr>
<th>Year Range</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>10 Min Bypass</th>
<th>Dongle Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008-2008 Mark LT (Lincoln)</td>
<td>ILCO H92-PT</td>
<td>PATS 4 / 5*</td>
<td>Yes</td>
<td>No</td>
<td>Yes with SMC &amp; ADS133</td>
</tr>
</tbody>
</table>

*Select PATS 5 if using Bypass

### 2006-2007 Mark LT (Lincoln)

<table>
<thead>
<tr>
<th>Year Range</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>10 Min Bypass</th>
<th>Dongle Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>2006-2007 Mark LT (Lincoln)</td>
<td>ILCO H92-PT</td>
<td>PATS 3</td>
<td>Yes</td>
<td>No</td>
<td>Yes with SMC &amp; ADS133</td>
</tr>
</tbody>
</table>
### 1997-1998 MARK VIII (Lincoln) (ADS-100)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>691641</td>
<td>SCIL</td>
<td>Yes</td>
<td>No</td>
<td>8 MIN Wait</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

**Note:** See ‘Special Note’ about programming the MARK VIII - in Manual. You must use the Strattec 691641 - there is no substitute.

### 2010-2011 MILAN (Mercury) Hybrid (ADS-172)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>H92-PT</td>
<td>Select FORD FUSION 2010 HYBRID</td>
<td>Yes</td>
<td>No</td>
<td>10 MIN Wait</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

### 2010-2011 MILAN (Mercury) W/ Gasoline Engine (ADS-172)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>H92-PT</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>10 MIN Wait</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

### 2006-2009 MILAN (Mercury) (ADS-100)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>H92-PT</td>
<td>PATS 4 / 5*</td>
<td>Yes</td>
<td>No</td>
<td>10 MIN Wait</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

*Select PATS 5 if using Bypass

### 2015-2017 MKC (Lincoln) with Proximity Start Button Ignition (ADS-209)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM PROX REMOTE</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>SEE BELOW</td>
<td>NO</td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

A STAND ALONE BYPASS IS NOW AVAILABLE USING SMART DONGLE!
Without Smart Dongle or in some cases when the alarm has been tripped Requires Web Access, Advanced-Diagnostics.Com login and a valid N.A.S.T.F. - AD Q/R APP for SmartPhones is recommended

### 2010-2013 MKS (Lincoln) with Proximity Start Button Ignition (ADS-172)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>7012479 - Prox &amp; Key 5912477 - Prox 5911175 - Key</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>10 MIN Wait</td>
<td>L-Pink Or SD</td>
</tr>
</tbody>
</table>

### 2009 MKS (Lincoln) with Key Type Ignition (ADS-172)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>H92-PT</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>10 MIN Wait</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>
### 2010-2012 MKT (Lincoln) with Proximity Start Button Ignition

<table>
<thead>
<tr>
<th>STRATTEC</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>7012479 - Prox &amp; Key</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>10 MIN Wait</td>
<td>L-Pink Or SD</td>
</tr>
<tr>
<td>5912477 - Prox</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5911175 - Key</td>
<td></td>
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</tr>
</tbody>
</table>

**Note:** All MKT are Prox.

### 2011-2014 MKX (Lincoln) with Proximity Start Button Ignition

<table>
<thead>
<tr>
<th>STRATTEC</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>5921288 - Prox Remote</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>10 MIN Wait</td>
<td>L-Pink Or SD</td>
</tr>
<tr>
<td>5912345 - Emerg Key</td>
<td></td>
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<td></td>
<td></td>
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</tbody>
</table>

### 2007-2010 MKX (Lincoln)

<table>
<thead>
<tr>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>ILCO</td>
<td>H92-PT</td>
<td>PATS 4 / 5*</td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>

*Select PATS 5 if using Bypass

### 2013-2017 MKZ (Lincoln) with Proximity Start Button Ignition

<table>
<thead>
<tr>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM PROX REMOTE</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>SEE BELOW</td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

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### 2010-2012 MKZ (Lincoln)

<table>
<thead>
<tr>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>ILCO</td>
<td>H92-PT</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>

### 2007-2009 MKZ (Lincoln)

<table>
<thead>
<tr>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>ILCO</td>
<td>H92-PT</td>
<td>PATS 4 / 5*</td>
<td>Yes</td>
<td>Yes with SMC &amp; ADS133</td>
</tr>
</tbody>
</table>

*Select PATS 5 if using Bypass
<table>
<thead>
<tr>
<th><strong>2005-2007 MONTEGO (MERCURY)</strong></th>
<th><strong>ADS-100</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ILCO</strong></td>
<td><strong>SYSTEM</strong></td>
</tr>
<tr>
<td>H92-PT</td>
<td>2005-06</td>
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<tr>
<td></td>
<td>PATS 3</td>
</tr>
<tr>
<td></td>
<td>2007</td>
</tr>
<tr>
<td></td>
<td>PATS 4 / 5*</td>
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</tbody>
</table>

*2007-Select PATS 5 if using Bypass

<table>
<thead>
<tr>
<th><strong>2004-2007 MONTEREY (MERCURY)</strong></th>
<th><strong>ADS-100</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ILCO</strong></td>
<td><strong>SYSTEM</strong></td>
</tr>
<tr>
<td>H92-PT</td>
<td>2004-05</td>
</tr>
<tr>
<td></td>
<td>PCM</td>
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<tr>
<td></td>
<td>2006-2007</td>
</tr>
<tr>
<td></td>
<td>PATS 3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>2010-2010 MOUNTAINEER (MERCURY)</strong></th>
<th><strong>ADS-172</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ILCO</strong></td>
<td><strong>SYSTEM</strong></td>
</tr>
<tr>
<td>H92-PT</td>
<td>Select by Vehicle</td>
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</table>

<table>
<thead>
<tr>
<th><strong>2004-2009 MOUNTAINEER (MERCURY)</strong></th>
<th><strong>ADS-100</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ILCO</strong></td>
<td><strong>SYSTEM</strong></td>
</tr>
<tr>
<td>H92-PT</td>
<td>2004-05</td>
</tr>
<tr>
<td></td>
<td>PATS 3</td>
</tr>
<tr>
<td></td>
<td>2006-09</td>
</tr>
<tr>
<td></td>
<td>PATS 4 / 5*</td>
</tr>
</tbody>
</table>

*2006-2009-Select PATS 5 if using Bypass
## 2001-2003 MOUNTAINEER (MERCURY)

<table>
<thead>
<tr>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>10 MIN BYPASS</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>H92-PT</td>
<td>PCM</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

### IMPORTANT:
- Model Year 2001 is split year - Overlapping immobilizer types & keys. Use the production date.
- Usually up to 07/2000 production date is PATS 2. After 07/2000 is PCM. (SEE BELOW)

### READ THIS BEFORE CUTTING ANY KEYS!

- Look at the existing original keys to the vehicle.
- If the original key is an H84 key, the system to use is PCM.
- If the original key is an H-72 key then the system is PATS 2.

### IF NO KEY IS AVAILABLE WE SUGGEST DOING THIS:

A. Cut and use only a metal non transponder work key.
B. Using the PROD DATE (see not above) use the system you “think it should be” based on the PROD DATE.
C. Before doing any programming look at “KEYS PROGRAMMED” on the special functions menu. (should show at least 2 keys)
D. Use “CLEAR ERASE PATS” and then look at the “KEYS PROGRAMMED” info again to see if the keys have been erased. (should now show 0 KEYS PROGRAMMED).
E. When you have determined which system will ERASE the keys you then will know which type of keys to cut.
F. If PATS 2 then cut and cycle 2 H72 Keys. If PCM cut and cycle 2 H84 keys.

## 1998-2001 MOUNTAINEER (MERCURY)

<table>
<thead>
<tr>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>10 MIN BYPASS</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>H72-PT</td>
<td>PATS 2</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

### Note:
- Model Year 2001 is split year - Overlapping immobilizer types & keys. Use the production date.
- Usually up to 07/2000 production date is PATS 2. After 07/2000 is PCM.

## 2015-2017 MUSTANG (FORD) WITH PROXIMITY START BUTTON IGNITION

<table>
<thead>
<tr>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM KEY OR PROX REMOTE</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>SEE BELOW</td>
<td>NO</td>
</tr>
</tbody>
</table>

### A STAND ALONE BYPASS IS NOW AVAILABLE USING SMART DONGLE!

Without Smart Dongle or in some cases when the alarm has been tripped Requires Web Access, Advanced-Diagnostics.Com login and a valid N.A.S.T.F. -AD Q/R APP for SmartPhones is recommended

## 2010-2014 MUSTANG (FORD)

<table>
<thead>
<tr>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>H92-PT</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

### Note:
- OEM Keys are stamped “HA” or “SA” (80-bit).
### 2005-2009 Mustang (Ford)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>Time</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>H92-PT</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>10 MIN</td>
<td>BYPASS</td>
</tr>
<tr>
<td>Yes with SMC &amp; ADS133</td>
<td>A-Black Or SD</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 1999-2004 Mustang (Ford)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>Time</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>H72-PT</td>
<td>HEC</td>
<td>Yes</td>
<td>No</td>
<td>10 MIN</td>
<td>BYPASS</td>
</tr>
<tr>
<td>Yes with SMC &amp; ADS133</td>
<td>A-Black Or SD</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 1998 Mustang (Ford)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>Time</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>H72-PT</td>
<td>PATS 2</td>
<td>Yes</td>
<td>No</td>
<td>10 MIN</td>
<td>BYPASS</td>
</tr>
<tr>
<td>Yes with SMC &amp; ADS133</td>
<td>A-Black Or SD</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 1996-1997 Mustang (Ford)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>Time</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>H72-PT</td>
<td>PATS 1</td>
<td>Yes</td>
<td>No</td>
<td>10 MIN</td>
<td>Wait</td>
</tr>
<tr>
<td>A-Black Or SD</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: 1996 is split year - It could use either type of transponder keyway. (8-cut or 10-cut) Optional System.

### 1996 Mustang (Ford)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>Time</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>H73-PT</td>
<td>PATS 1</td>
<td>Yes</td>
<td>No</td>
<td>10 MIN</td>
<td>Wait</td>
</tr>
<tr>
<td>A-Black Or SD</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: 1996 is split year - It could use either type of transponder keyway. (8-cut or 10-cut) Optional System.

### 1999-2000 Mystique (Mercury)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>Time</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>H73-PT</td>
<td>PCM</td>
<td>Yes</td>
<td>No</td>
<td>10 MIN</td>
<td>BYPASS</td>
</tr>
<tr>
<td>Yes with SMC &amp; ADS133</td>
<td>A-Black Or SD</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: Transponder optional. Most Contour’s with V-6 Engine’s have it. Overlapping immobilizer types.

### 1997-1998 Mystique (Mercury)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>Time</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>H73-PT</td>
<td>PATS 1</td>
<td>Yes</td>
<td>No</td>
<td>10 MIN</td>
<td>Wait</td>
</tr>
<tr>
<td>A-Black Or SD</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: Production Date of 02/02/98 & up models use PCM system. Transponder optional.
## MVP & T-CODE PRO - FORD

### 2015 NAVIGATOR (Lincoln) with Proximity Start Button Ignition

<table>
<thead>
<tr>
<th>OEM PROX REMOTE</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>10 MIN BYPASS</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select 2013</td>
<td></td>
<td>Yes</td>
<td>No</td>
<td>NO</td>
<td>L-Pink</td>
</tr>
<tr>
<td>Explorer PROX</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Or SD</td>
</tr>
</tbody>
</table>

### 2012-2014 NAVIGATOR (Lincoln)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>H92-PT</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>Yes with SMC &amp; ADS133</td>
<td>A-Black</td>
</tr>
</tbody>
</table>

*Note: We have found that on these cars ADD-KEY does not work, only use ERASE KEYS.*

### 2009-2011 NAVIGATOR (Lincoln)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>10 MIN BYPASS</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>H92-PT</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>10 MIN Wait</td>
<td>A-Black</td>
</tr>
</tbody>
</table>

*Select PATS 5 if using Bypass*

### 2007-2008 NAVIGATOR (Lincoln)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>10 MIN BYPASS</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>H92-PT</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>Yes with SMC &amp; ADS133</td>
<td>A-Black</td>
</tr>
</tbody>
</table>

### 2005-2006 NAVIGATOR (Lincoln)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>10 MIN BYPASS</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>H92-PT</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>Yes with SMC &amp; ADS133</td>
<td>A-Black</td>
</tr>
</tbody>
</table>

### 2003-2004 NAVIGATOR (Lincoln)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>10 MIN BYPASS</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>H92-PT</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>Yes with SMC &amp; ADS133</td>
<td>A-Black</td>
</tr>
</tbody>
</table>

### 1999-2002 NAVIGATOR (Lincoln)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>10 MIN BYPASS</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>H72-PT</td>
<td>HEC</td>
<td>Yes</td>
<td>No</td>
<td>Yes with SMC &amp; ADS133</td>
<td>A-Black</td>
</tr>
</tbody>
</table>

### 1998 NAVIGATOR (Lincoln)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>10 MIN BYPASS</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>H72-PT</td>
<td>PATS 1</td>
<td>Yes</td>
<td>No</td>
<td>8 MIN Wait</td>
<td>A-Black</td>
</tr>
</tbody>
</table>
### Ford Ranger (2007-2011)

<table>
<thead>
<tr>
<th>Model Year</th>
<th>System</th>
<th>PIN Required</th>
<th>Bypass Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>2007-2011</td>
<td>H92-PT</td>
<td>Yes</td>
<td>Yes with SMC &amp; ADS133</td>
</tr>
</tbody>
</table>

*Select PATS 5 if using Bypass*

### Ford Ranger (2001-2006)

<table>
<thead>
<tr>
<th>Model Year</th>
<th>System</th>
<th>PIN Required</th>
<th>Bypass Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>2001-2006</td>
<td>H92-PT</td>
<td>Yes</td>
<td>Yes with SMC &amp; ADS133</td>
</tr>
</tbody>
</table>

Note: Transponder system is optional. Some models came with 599114 but are not transponder equipped. Most 2005 models do not have a Transponder system.

### Ford Ranger (1999-2000)

<table>
<thead>
<tr>
<th>Model Year</th>
<th>System</th>
<th>PIN Required</th>
<th>Bypass Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>1999-2000</td>
<td>H72-PT</td>
<td>Yes</td>
<td>Yes with SMC &amp; ADS133</td>
</tr>
</tbody>
</table>

Note: Transponder system is optional.

### Mercury Sable (2008-2009)

<table>
<thead>
<tr>
<th>Model Year</th>
<th>System</th>
<th>PIN Required</th>
<th>Bypass Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008-2009</td>
<td>H92-PT</td>
<td>Yes</td>
<td>Yes with SMC &amp; ADS133</td>
</tr>
</tbody>
</table>

*Select PATS 5 if using Bypass*

### Mercury Sable (2004-2007)

<table>
<thead>
<tr>
<th>Model Year</th>
<th>System</th>
<th>PIN Required</th>
<th>Bypass Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>2004-2007</td>
<td>H92-PT</td>
<td>Yes</td>
<td>Yes with SMC &amp; ADS133</td>
</tr>
</tbody>
</table>

### Mercury Sable (2000-2003)

<table>
<thead>
<tr>
<th>Model Year</th>
<th>System</th>
<th>PIN Required</th>
<th>Bypass Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>2000-2003</td>
<td>H92-PT</td>
<td>Yes</td>
<td>Yes with SMC &amp; ADS133</td>
</tr>
</tbody>
</table>

### Mercury Sable (1998-1999)

<table>
<thead>
<tr>
<th>Model Year</th>
<th>System</th>
<th>PIN Required</th>
<th>Bypass Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>1998-1999</td>
<td>H72-PT</td>
<td>Yes</td>
<td>Yes with SMC &amp; ADS133</td>
</tr>
</tbody>
</table>

Note: Transponder system is optional.
### 1996-1997 SABLE (MERCURY)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>H72-PT</td>
<td>PATS 1</td>
<td>Yes</td>
<td>No</td>
<td>8 MIN Wait</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

**Note:** Transponder system is optional.

### 2013-2015 TAURUS (FORD) WITH PROXIMITY START BUTTON IGNITION

<table>
<thead>
<tr>
<th>STRATTEC</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prox- 5921285 (4BTN)</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>10 MIN Wait</td>
<td>L-Pink Or SD</td>
</tr>
<tr>
<td>5921286 (5BTN)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5912345 - Key</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 2010-2012 TAURUS (FORD) WITH PROXIMITY START BUTTON IGNITION

<table>
<thead>
<tr>
<th>STRATTEC</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>5914119 - Prox &amp; Key</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>10 MIN Wait</td>
<td>L-Pink Or SD</td>
</tr>
<tr>
<td>5914118 - Prox</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5911175 - Key</td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

### 2013-2014 TAURUS (FORD) WITH KEY TYPE IGNITION

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>H92-PT</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>10 MIN Wait</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

### 2010-2012 TAURUS (FORD) WITH KEY TYPE IGNITION

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>H92-PT</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>10 MIN Wait</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

### 2008-2009 TAURUS (FORD)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>10 MIN BYPASS</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>H92-PT</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>Yes with SMC &amp; ADS133</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

*Select PATS 5 if using Bypass

### 2008-2009 TAURUS X (FORD)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>10 MIN BYPASS</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>H92-PT</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>Yes with SMC &amp; ADS133</td>
<td>A-Black Or SD</td>
</tr>
<tr>
<td>Year</td>
<td>Model</td>
<td>ADS-100</td>
<td></td>
<td></td>
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<td>------------</td>
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</tr>
<tr>
<td>2004-2007</td>
<td>TAURUS (FORD)</td>
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<tr>
<td></td>
<td>ILCO</td>
<td>SYSTEM</td>
<td>SMART Card</td>
<td>PIN Required</td>
<td>10 MIN BYPASS</td>
</tr>
<tr>
<td>H92-PT</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>Yes with SMC &amp; ADS133</td>
<td>A-Black Or SD</td>
</tr>
<tr>
<td>2000-2003</td>
<td>TAURUS (FORD)</td>
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<td></td>
</tr>
<tr>
<td>H92-PT</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>Yes with SMC &amp; ADS133</td>
<td>A-Black Or SD</td>
</tr>
<tr>
<td>1998-1999</td>
<td>TAURUS (FORD)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>H72-PT</td>
<td>PATS 2</td>
<td>Yes</td>
<td>No</td>
<td>Yes with SMC &amp; ADS133</td>
<td>A-Black Or SD</td>
</tr>
<tr>
<td>Note: Transponder system is optional.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1996-1997</td>
<td>TAURUS (FORD)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>H72-PT</td>
<td>PATS 1</td>
<td>Yes</td>
<td>No</td>
<td>8 MIN Wait</td>
<td>A-Black Or SD</td>
</tr>
<tr>
<td>Note: Transponder system is optional.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2003-2005</td>
<td>THUNDERBIRD (FORD)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>H92-PT</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>Yes with SMC &amp; ADS133</td>
<td>A-Black Or SD</td>
</tr>
<tr>
<td>2002</td>
<td>THUNDERBIRD (FORD)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>H74-PT</td>
<td>HEC</td>
<td>Yes</td>
<td>No</td>
<td>Yes with SMC &amp; ADS133</td>
<td>A-Black Or SD</td>
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<tr>
<td>2005-2011</td>
<td>TOWN CAR (LINCOLN)</td>
<td></td>
<td></td>
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<td></td>
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<tr>
<td>H92-PT</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>Yes with SMC &amp; ADS133</td>
<td>A-Black Or SD</td>
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</tbody>
</table>
## 2003-2004 TOWN CAR (LINCOLN)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>10 MIN BYPASS</th>
<th>PRO Dongle</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>H92-PT</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>Yes with SMC &amp; ADS133</td>
<td>A-Black Or SD</td>
<td></td>
<td></td>
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</table>

## 1998-2002 TOWN CAR (LINCOLN)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>10 MIN BYPASS</th>
<th>PRO Dongle</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>H72-PT</td>
<td>HEC</td>
<td>Yes</td>
<td>No</td>
<td>Yes with SMC &amp; ADS133</td>
<td>A-Black Or SD</td>
<td></td>
<td></td>
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</table>

## 2014-2016 TRANSIT CONNECT (FORD)

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer Key</td>
<td>Select by Vehicle (BETA)</td>
<td>Yes</td>
<td>No</td>
<td>10 MIN Wait</td>
<td>G-Tan Or SD</td>
<td></td>
<td></td>
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</tbody>
</table>

**Note:** Transponder system is optional. Look for transponder “Ring” around ignition lock.

## 2010-2013 TRANSIT CONNECT (FORD)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>H91-PT</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>10 MIN Wait</td>
<td>G-Tan Or SD</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Transponder system is optional. XLT models with power locks and power windows are usually equipped. Look for transponder “Ring” around ignition lock. High Security TIBBE keyway.

## 2001-2003 WINDSTAR (FORD)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>10 MIN BYPASS</th>
<th>PRO Dongle</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>H92-PT</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>Yes with SMC &amp; ADS133</td>
<td>A-Black Or SD</td>
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## 1999-2000 WINDSTAR (FORD)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>10 MIN BYPASS</th>
<th>PRO Dongle</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>H72-PT</td>
<td>ICM</td>
<td>Yes</td>
<td>No</td>
<td>Yes with SMC &amp; ADS133</td>
<td>A-Black Or SD</td>
<td></td>
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</table>

## 2006 ZEPHYR (LINCOLN)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>10 MIN BYPASS</th>
<th>PRO Dongle</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>H92-PT</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>Yes with SMC &amp; ADS133</td>
<td>A-Black Or SD</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Select PATS 5 if using Bypass*
“Special Functions”

- **Keys Programmed**
- **Add Key** - (May not be available or usable on all systems, check the KEY GUIDE)
- **Clear Erase Keys**

**Keys Programmed**: This function will tell you how many keys are presently stored in the vehicle Memory and it’s located on the same screen as “add key” and “clear & erase”. Although it’s an optional function on the tester and not mandatory **we highly recommend you look at this information first before adding or erasing keys**. The key count information can help solve and or avoid key programming problems.

**Add Key**: In order to add a key there must be a minimum of 2 keys stored. They don’t have to be physically present, just stored in the vehicle memory. Adding a key can be accomplished by one of two methods. 1) Use the add key function on your tester. 2) If you have 2 working keys on hand you can add additional keys up to a maximum of 8 using FORD’S On Board Procedure. NOTE-The on-board procedure can be turned off via the dealer scan tool, this is a rare occurrence but one that you may run into. It’s also very important to note that if you’re using your tester to “add” a key to the system the key in the ignition must be the spare key you wish to program in & NOT an already programmed key that starts the vehicle. Please note that adding a key is never a given on any FORD. For example if the system reaches the maximum amount of keys (8) you will have to erase keys.

**Clear & Erase Keys**: Keys can be cleared from the vehicle system using your tester. Once all keys are erased the vehicle goes into “learn mode”. In order to close the learn mode 2 keys must be cycled in (back to back for 5 secs each) and the security light must go out. Lets say for instance that only 1 key becomes stored and not the other, the vehicle will not run. However the learn mode will stay open indefinitely until the system recognizes & stores the 2nd key into the memory. Once the learn mode is closed you can add additional keys by using the add key function or FORD’S On Board Procedure.

**How to Cycle Keys after an Erase Procedure**;

Once the system reads “0 Keys” disconnect the tester. Take the first key out of the ignition and reinsert it, turn it to the on position for 5 seconds. The theft light should go solid indicating it’s stored the first key. Next insert your 2nd key and turn it to the on position for 5 seconds. The light should go solid for 1 to 2 seconds and go out, this indicates it’s stored the 2nd key. On some of the newer 2011+ systems you may hear the door locks cycle. The “keys programmed” information should now read “2 keys”. **NOTE**: if the vehicle is equipped with an aftermarket remote start system the erase key function will remove the remote start chip/key info from the system.

**Pats 1 Info**

There are only 2 functions on Pats 1 vehicles, “clear & erase” or “keys programmed”. Since the Pats 1 system only requires one stored key in the memory to have a running vehicle the only time you need to use your tester is when all keys are lost. If you have a working key any additional keys are added in via an OBP. The tester will erase all keys stored in the memory and program in the key that’s in the ignition. We recommend you first check the key count before selecting erase and after the 8 minute timeout is complete. The key count should now read 1 stored and there is no need to remove the key & cycle it in the ignition since it programs in at the end of the 8 minutes. ICM, HEC, VIC, SCIL; On these older FORD systems it’s recommended to wait 2 minutes after programming keys before testing them as it can take a few minutes before the keys will be recognized by the vehicle system. Even though the key count may read 2 keys stored if you try to start the vehicle.
The Theft (Security) light on a Ford product contains many clues when programming keys into the system. The key must be turned ON.

**THEFT THEFT THEFT THEFT THEFT THEFT**

A Fast Blinking THEFT light will indicate that the vehicle is in ANTI-SCAN Mode or an un-programmed key has been turned ON.

**THEFT THEFT THEFT (SOLID FOR 3 SECONDS)**

A solid lit THEFT light for 3 seconds and then goes out completely will indicate the vehicle recognizes a programmed key.

**THEFT (STAYS ON SOLID)**

A solid lit THEFT light that stays ON and does not blink or go out indicates that vehicle is in Learn Mode and is waiting for a second key to be programmed, simply insert another key to be programmed and turned ON. In some cases, inserting a second key will do no good if the vehicle is equipped with an after-market Remote Start device. You must disconnect the Remote Start device to finish key programming.

• Most Ford, Lincoln, Mercury & Mazda (Ford based) models are equipped with a feature called ANTI-S CAN.

• ANTI-S CAN models include vehicles that use PATS 2, HEC, ICM, VIC, PCM & CAN.

This can sometimes be the main cause for a Ford product not starting after programming new keys or Clear/Erase of keys.

Follow this procedure if the vehicle will not start and the you have cycled your keys after Clear/Erase has finished:

1) Disconnect the Device and remove any keys.

2) Wait 2 minutes.

3) Turn the first key to ON (Do not try to start) - the Theft light should stay on for 3 seconds and then go out.

4) Repeat this for the Second Key. If the Theft light stays on for 3 seconds and then goes out, you are not in ANTI-S CAN mode and the vehicle should now start.

------------------------------------------------------------------------------------------------------------------

• You will not be able to start the vehicle with an un-programmed key and even an original key if you have not waited 70 seconds after removing the un-programmed key.

• In some cases you may need to leave the programmed key in the RUN position for 2 minutes and then turn the key OFF and back ON to start the vehicle.
5 tips that will help to make key programming go smoothly on Ford vehicles.

Tip # 1:
Check the application guide in this manual or online at www.adusa.us for the proper system selection & key blank information.

Tip # 2:
Form the habit of turning the key to the “ON” position before hooking up to the OBD2 port on FORD systems.

Tip # 3:
Use jumper cables from your vehicle to the vehicle you’re working on because 10 minutes is a long time to have the key on! This will help to eliminate possible “failure to communicate” issues.

Tip #4:
Get in the habit of reading & clearing fault codes before doing any key programming. Sometimes the fault codes will show you something is wrong with the system. I.E. “SCP mismatch” tells us the system may need a parameter reset.

Tip #5:
Always look at the amount of “keys programmed” before doing anything to the system. The reason to always do this is to eliminate any guesswork.

For example: When "Adding" let's say you see “keys programmed” says “2 Keys”, now run through the "Add key" procedure and after completing It reads “3 keys” but the vehicle does not start? Based on the “Keys Programmed” info, the key is in fact programmed. Check the car, it may be in anti-scan mode or maybe something has been changed by a mechanic? Perhaps it needs a “parameter Reset”.

Let’s say it still shows, “2 keys” programmed. Clearly ADD-KEY did not work. Maybe you are using a bad chip or the wrong key blank (chip) or perhaps the wrong system was selected?

Lets say you look at "keys programmed" and you see “3 keys” then go through the CLEAR/ERASE KEY key procedure. After cycling keys you now see “2 keys” We now know they are your 2 keys because there were 3 before you erased.

Going further lets say “Keys Programmed” reads “2 keys” to start with & now you erase, you can check “Keys Programmed” before you disconnect and cycle keys and you should see ZERO keys, sometimes if check after cycling and it reads 1 Key Programmed. Try cycling the keys again. You could have a bad chip or bad antenna ring on the car. Remember, the system is not closed until you it reads “2 Keys” with the exception of the Pats 1 system that only requires 1 key to close the cycle.

Unfortunately most users don't take advantage of this information and guess as to what is going on and worse - start going through unnecessary programming procedures to solve the problem they are having.
PATS 1
(Passive Anti Theft System 1)
SCP (internal acronym for FORD)

**SPECIAL FUNCTIONS**

**CLEAR KEYS**: This function ERASES all keys from memory and programs the one key used during the procedure.

On a PATS 1 system you must CLEAR PATS to program a key, if you have no existing keys.

WAIT TIME should be 8 Minutes.

Make sure you have the correct type of chip key in the ignition.

After the wait time, the key in the ignition will be programmed.

**KEYS PROGRAMMED**: This function reads the number of programmed keys.

It’s always a good idea to use this to see how many keys are in the system PRIOR to and AFTER any key programming is performed.

**TIPS**: After Programming wait a few seconds before testing keys

**MORE INFO**: This was FORD’S first PATS system introduced into the USA back in 1996. It’s called PATS 1 for this reason and also because unlike later FORD systems it only requires a minimum of 1 key to be programmed into the system.

ON BOARD PROGRAMMING (OBP) - Only 1 programmed key is required to OBP a 2nd key into the system. If you have 1 programmed key to add additional keys is very simple:

A. Cycle the programmed key On for 5 seconds then OFF.
B. Within 10 seconds, cycle a NEW key you want to program On for 5 seconds.
C. Wait a few seconds.
D. The NEW key should be programmed.

<table>
<thead>
<tr>
<th>T-CODE SOFTWARE #</th>
<th>CABLE / DONGLE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADS-100</td>
<td>ADC-250 / ADC-251</td>
</tr>
<tr>
<td></td>
<td>A (BLACK) DONGLE</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MAX # OF KEYS:</th>
<th>SMART DONGLE?</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>YES</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>KEYS:</th>
<th>SECURITY:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Re-usable</td>
<td>8 Minute Wait</td>
</tr>
<tr>
<td>COMPONENTS MATCHED?</td>
<td>No</td>
</tr>
<tr>
<td>MATCHING CAPABILITY?</td>
<td>Not needed</td>
</tr>
</tbody>
</table>

**SECURITY LIGHT / THEFT INDICATOR**: Light should be out at end of procedure. If theft light blinks or comes on steady the key/keys have not been accepted.
PATS 1
(FORD SCP)

Use this method to CLEAR keys (Programs 1 key in the process)

START HERE:
Select:
+FORD
+USA
+BY SYSTEM

Verify the System type from the model application guide in your MVP or TCODE User’s Manual.

ECU IDENTIFICATION
PATS SCP

PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
FAULT CODES
SPECIAL FUNCTIONS

Follow the on-screen prompts. Remove the key that is in the ignition after you are prompted to do so and the key is programmed.

TIMED ACCESS
CLEAR TIME 8:00
KEYS PROGRAMMED: 1

PRESS ENTER KEY

CLEAR PATS KEY
GAINING ACCESS
TIME REQUIRED: 8:00
TIME ELAPSE 0:00
ACCESS STATUS IN PROGRESS
BACK TO ABORT

KEY PROGRAMMED
DISCONNECT TESTER FROM VEHICLE

Start Here:
Select:
+FORD
+USA
+BY SYSTEM

Verify the System type from the model application guide in your MVP or TCODE User’s Manual.

Vehicle Selection
PATS 3 CAN
PATS 4 CAN
>PATS 1
PATS 2
PCM
HEC
ICM
VIC
SCLM
SCIL

Diagnostics Menu
> CLEAR PATS
KEYS PROGRAMMED

Make your selection and press the Enter key.

Follow the on-screen prompts. Remove the key that is in the ignition after you are prompted to do so and the key is programmed.
SPECIAL FUNCTIONS

CLEAR KEYS - This function ERASES all keys from memory. Once completed the car is ready to learn 2 keys automatically and will learn the 1st TWO keys that are cycled in the ignition.

On a PATS 2 and PATS CAN systems a minimum of 2 keys must be programmed into the system for the vehicle to run. When erasing all keys (Clear), you must have 2 keys to cycle in the ignition.

ADD KEY - This will ADD a key into the system without erasing others. Make sure you have the key you want to add with the correct type of chip in the ignition.

KEYS PROGRAMMED - This function reads the number of programmed keys. It's always a good idea to use this to see how many keys are in the system PRIOR to and AFTER any key programming is performed.

INSTRUCTIONAL VIDEO:

WATCH VIDEO- 2006 EXPLORER

MORE INFO:

ALL of these systems are what we call "2 KEY SYSTEMS" meaning they must always have TWO keys minimum programmed in order to run / start.

ON BOARD PROGRAMMING (OBP) - 2 programmed keys are required to OBP a 3rd key into the system. If you have 2 programmed keys to add additional keys is very simple:

A. Cycle each programmed key On for 5 seconds then OFF.
B. Within 10 seconds, cycle a NEW key you want to program On for 5 seconds.
C. Wait a few seconds.
D. The NEW key should be programmed.

IT'S WORTH NOTING THAT THE FORD DEALER TOOL CAN BE USED TO DISABLE / TURN OFF THE ON-BOARD KEY ADDING FUNCTION AND MAKE IT SO THAT KEYS MUST BE PROGRAMMED VIA THE DIAGNOSTIC PORT.
START HERE:
Select:
+FORD
+USA
+BY SYSTEM

Verify the System type from the model application guide in your MVP or TCODE User’s Manual & select the correct one ACCORDING TO THE GUIDE

 диагностные меню

> ECU IDENTIFICATION:
To display the ECU ID

> FAULT CODES:
To check & clear faults

> SPECIAL FUNCTIONS:
Program keys

Make your selection and press the Enter key.

> CLEAR PATS:
To erase all keys

> KEYS PROGRAMMED:
Check keys

If you have the Smart Card and Mazda CAN SOFTWARE you can bypass the 10min wait.

CLEAR KEYS
BYPASS ENABLED
WOULD YOU LIKE TO USE IT?

SUCCESS
0 KEYS PROGRAMMED
DISCONNECT TESTER FROM VEHICLE
CYCLE KEYS TO PROGRAM

"Wait a few seconds and test your key.
Check “Keys Programmed” to ensure that “2 Keys” are programmed.
Use this method for: Adding keys

WHEN USING ADD KEY
MAKE SURE TO HAVE THE NEW KEY YOU ARE ADDING IN THE IGNITION!

START HERE:
Select:
+FORD
+USA
+BY SYSTEM

Verify the System type from the model application guide in your MVP or TCODE User’s Manual & select the correct one ACCORDING TO THE GUIDE

VEHICLE SELECTION
PATS 3 CAN
PATS 4 CAN
PATS 1
PATS 2
PCM
FOCUS P.C.M.
SCLM
SCIL
HEC
ICM
VIC

ECU IDENTIFICATION
PATS SCP
PATS CAN 3, 4, 5 (etc) (Screen will display what you Selected)

PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

ADD KEY
BYPASS ENABLED
WOULD YOU LIKE TO USE IT?

Programming Keys:
When adding a key, you only need 1 key to cycle in the ignition after the 10 minute wait. You must go through the Clear Time wait.

ADD KEY
GAINING ACCESS
READING KEY
STORING KEY
KEYS PROGRAMMED 3
(Example)

Wait a few seconds and test your key.

The ADD KEY function will only appear if it is available on the system you choose. Otherwise you will only be able to CLEAR (Erase) keys.

MAKE SURE THE KEY YOU WANT TO ADD IS THE ONE THAT IS IN THE IGNITION!

If you have the Smart Card and Mazda CAN you can bypass the 10min wait.

MAKE SURE TO HAVE THE NEW KEY YOU ARE ADDING IN THE IGNITION!
**START HERE:**

Select:
+ FORD
+ USA
+ BY SYSTEM

Verify the System type from the model application guide in your MVP or TCODE User's Manual & select the correct one ACCORDING TO THE GUIDE.

**VEHICLE SELECTION**
- PATS 3 CAN
- PATS 4 CAN
- PATS 1
- PATS 2
- PCM
- FOCUS P.C.M.
- SCLM
- SCIL
- HEC
- ICM
- VIC

**ECU IDENTIFICATION**
- PATS SCP
- PATS CAN 3, 4, 5 (etc)
  (Screen will display what you Selected)

**DIAGNOSTIC MENU**
- > READ FAULT CODES
- CLEAR FAULT CODES

**DISPLAY FAULT CODES**
- FAULT CODE: 9601
  WRONG KEY CODE

**CLEAR FAULT CODES**
- PROCEDURE COMPLETE

**NOTE:** HISTORIC code means a fault code that did occur but has since cleared, a CURRENT code is one that is still present, or maybe no Fault Codes are found.

**To Clear Fault Codes, select it from the Menu, as shown below.**

**Use this method for: READING / CLEARING FAULT CODES**

**FORD FAULT CODES**

Depending on how many fault codes are set will depend on how many screens are displayed. One example is shown below.

**DIAGNOSTIC MENU**
- > CLEAR FAULT CODES

**DISPLAY FAULT CODES**
- NO FAULTS FOUND

**PRESS ENTER KEY**
On the majority of the earlier FORD systems (Pro Only) you will be able to bypass the 10 minute security wait. For Mazda Can vehicles you will be able to bypass the need of obtaining a valid in-code, the tester software does this step automatically during the programming process.

All new MVP PRO’s come fully equipped with the software and an activated smart card system so there’s no need add anything. However if you own an older MVP PRO that doesn’t have the smart Card system, smart card will need to be purchased, registered and the software will need to be updated in order for the FORD MAZDA BYPASS to work. T-CODE PRO owners need smart card system enabled and the ADS-133 Ford/Mazda Can coded software in order to bypass Fords.

Basic steps required before using the bypass software.

• Look at the 10th placement of the VIN and not the production date for determining the correct year of the vehicle.
• Check the KEY GUIDE SECTION OF THIS MANUAL for the suggested system selection.
• Always check the key count using KEYS PROGRAMMED on the menu, before and after “adding” or “erasing keys”.
• Add extra voltage to the vehicle even when you don’t think it needs it. This is critical for success!

The smart card system will NOT actually be called for when you bypass. In other words, smart card just needs to be actively enabled to the PRO but the tester software will not ask for it to be used on the majority of the earlier Ford/Mazda vehicles. This is an obvious time saver.

TROUBLESHOOTING - BYPASS ISSUES

If the bypass of the 10 minute security wait doesn’t go through on the first attempt stay connected and try again. If working on a PCM system and the bypass doesn’t work the first time switch to timed access by choosing to not use the bypass.

Pats 4 vehicles most of the time will require selecting Pats 5 or you will get an “invalid access code”.

If using parameter reset on an HEC vehicle and are having trouble using the bypass use the timed version.

On Mercury Cougar vehicles, and some other early PCM vehicles only use the timed version.

On Jaguar S Type using the HEC system only use the timed version and only use ERASE KEYS.

Mazda Bypass info:
2004 F-150

**HOW TO DETERMINE IF “OLD” OR “NEW” BODY STYLE**

**NEW BODY STYLE -**

Notice the curve in the body on the drivers door frame / window.

PATS3 CAN SYSTEM with H84 Keys

**OLD BODY STYLE-**

(HERITAGE)

Straight with no curve

HEC SYSTEM with H72PT KEYS
Special Notes for a few select vehicles:

**1997-1998 Lincoln MARK VIII -SCIL SYSTEM -Anti-theft system**

The 1997-1998 Lincoln MARK VIII uses a module called “SCIL” to perform the PATS functions and many other functions within the vehicle.

The SCIL is an abbreviation for “Steering Column Ignition Lighting” module.

Part of what the SCIL module controls is also the “Anti Theft” alarm system which is separate from the PATS functions. There is an indicator light on the dash that also displays the words: ANTI THEFT.

The Anti Theft system can be activated by the circuits and/or switches of the Anti Theft system which are located in the SCIL module and the Drivers Door Switch, Passenger Door Switch & Hood Switch.

The problem is that **NO** keys can be programmed until the Anti Theft system has been deactivated.

The problem may be as simple as fixing the hood switch. You may have to disassemble the doors to determine if there is a faulty lock alarm connector switch.

The factory diagnostic tool called the NGS can help determine the problem. Use the Service Card, turn the ignition switch to Run, “Service Bay Functions”, select “SCIL” and then select “View Alarm Event Data”. If you see a “Yes” next to any of the circuits - that is where your problems exist and must be repaired.

However, there can also be a problem in the SCIL module itself.

At some point this level of diagnostic investigation may not be worth your time depending on your customer and his or her ability to pay you for this type of work.

You may be better off sending the customer to the dealer via a tow truck!

When you have finished programming keys on one of these vehicles, you may find the vehicle does not start and the “Theft” light on the dash does not light up.

This is a known “glitch” to us on these models, regardless of which programming tool you use.

To fix this, you must re-connect your MVP or TCODE and turn the key to the “Run” position as if you were going to program the key again.

Select Ford from the Main Menu and then select “PCM”.

Select “Fault Codes” and then select “Read Faults”.

Select “Clear Faults” (Whether any faults were found or not.)

Disconnect the MVP or TCODE and remove the key from the ignition.

The vehicle should now start up.
**PATS 6 SYSTEMS**  
**KEYED MODELS**  
*(SELECTED BY VEHICLE)*

**SPECIAL FUNCTIONS**

**CLEAR KEYS** - This function ERASES all keys from memory. Once completed the car is ready to learn 2 keys automatically and will learn the 1st TWO keys that are cycled in the ignition.

A minimum of 2 keys must be programmed into the system for the vehicle to run. When erasing all keys (Clear), you must have 2 keys to cycle in the ignition.

**ADD KEY** - This will ADD a key into the system without erasing others.

Make sure you have the key you want to add with the correct type of chip in the ignition.

**KEYS PROGRAMMED** - This function reads the number of programmed keys. It’s always a good idea to use this to see how many keys are in the system PRIOR to and AFTER any key programming is performed.

**TIPS:**  
After Programming wait a few seconds before testing keys

<table>
<thead>
<tr>
<th>T-CODE SOFTWARE #</th>
<th>CABLE / DONGLE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADS-172</td>
<td>ADC-250 / ADC-251</td>
</tr>
<tr>
<td></td>
<td>A (BLACK) DONGLE</td>
</tr>
</tbody>
</table>

**MAX # OF KEYS:** 8  
**SMART DONGLE?:** YES

**KEYS:** 40 Bit, Re-usable  
**SECURITY:** 10 Minute wait / No bypass is available for any of these, must wait the 10 minutes.

**COMPONENTS MATCHED?**  
DASH IMMO & PCM ARE MATCHED

**MATCHING CAPABILITY?**  
Parameter Reset available on some models. See Parameter Reset Info.

**2010-2013 TRANSIT CONNECT USE TIBBE KEYS H91-PT**

**SECURITY LIGHT / THEFT INDICATOR:**  
Light should be out at end of procedure. If theft light blinks or comes on steady the key/keys have not been accepted.

**WATCH VIDEO - 2012 MUSTANG CLEAR ERASE WITH SMART DONGLE**  
**WATCH VIDEO - 2013 EDGE CLEAR / ERASE**

**MORE INFO:**

This is a 2 KEY SYSTEM

**ON BOARD PROGRAMMING (OBP)** - 2 programmed keys are required to OBP a 3rd key into the system. If you have 2 programmed keys to add additional keys is very simple:

A. Cycle each programmed key On for 5 seconds then OFF.  
B. Within 10 seconds, cycle a NEW key you want to program On for 5 seconds.  
C. Wait a few seconds.  
D. The NEW key should be programmed.

**FACTORY ALARM** - Must be disabled, if all keys lost alarm will prevent access to key programming. Use a key in the door lock to turn the alarm OFF or use factory keypad. You could also OBP in a remote to turn the alarm off.
START HERE:
Select:
+FORD
+USA
+BY VEHICLE

Select BY MODEL - not BY SYSTEM

ECU IDENTIFICATION
PATS 6 CAN
PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

VEHICLE SELECTION
> BY VEHICLE
BY SYSTEM

Remember to select by the model & year, and then press Enter.

CLEAR KEYS
WARNING
ALL KEYS WILL CLEARED
CONTINUE

CLEAR KEYS
2 KEYS REQUIRED
PRESS ENTER KEY

PLEASE WAIT
APPROX TIME 10 MIN
00m 02s
PRESS ENTER KEY

SUCCESS
DISCONNECT TESTER
CYCLE KEYS TO PROGRAM
PRESS ENTER KEY

Programming Keys:
When erasing all keys (Clear), you must have 2 keys to cycle in the ignition after the 10 to 12 minute wait. You must go through the Clear Time wait.

Remove the key that is in the ignition and turn ON the second key for 5 seconds and remove. Re-insert the first key and turn ON for 5 seconds and remove.

You should check the amount of “Keys Programmed” and it should be ‘2’.

Wait a few seconds and test your keys.

REQUIRES SMART CARD CALCULATOR OR WEB APP
USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

OR

REQUIRES SMART CARD CALCULATOR OR WEB APP
USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

KEYS PROGRAMMED

SUCCESS
DISCONNECT TESTER
CYCLE KEYS TO PROGRAM
PRESS ENTER KEY

CLEAR KEYS
WARNING
ALL KEYS WILL CLEARED
CONTINUE

CLEAR KEYS
2 KEYS REQUIRED
PRESS ENTER KEY

PLEASE WAIT
APPROX TIME 10 MIN
00m 02s
PRESS ENTER KEY

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USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

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REQUIRES SMART CARD CALCULATOR OR WEB APP
USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

KEYS PROGRAMMED

SUCCESS
DISCONNECT TESTER
CYCLE KEYS TO PROGRAM
PRESS ENTER KEY

Programming Keys:
When erasing all keys (Clear), you must have 2 keys to cycle in the ignition after the 10 to 12 minute wait. You must go through the Clear Time wait.

Remove the key that is in the ignition and turn ON the second key for 5 seconds and remove. Re-insert the first key and turn ON for 5 seconds and remove.

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KEYS PROGRAMMED

SUCCESS
DISCONNECT TESTER
CYCLE KEYS TO PROGRAM
PRESS ENTER KEY

Programming Keys:
When erasing all keys (Clear), you must have 2 keys to cycle in the ignition after the 10 to 12 minute wait. You must go through the Clear Time wait.

Remove the key that is in the ignition and turn ON the second key for 5 seconds and remove. Re-insert the first key and turn ON for 5 seconds and remove.

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CYCLE KEYS TO PROGRAM
PRESS ENTER KEY

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When erasing all keys (Clear), you must have 2 keys to cycle in the ignition after the 10 to 12 minute wait. You must go through the Clear Time wait.

Remove the key that is in the ignition and turn ON the second key for 5 seconds and remove. Re-insert the first key and turn ON for 5 seconds and remove.

You should check the amount of “Keys Programmed” and it should be ‘2’.

Wait a few seconds and test your keys.

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USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

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KEYS PROGRAMMED

SUCCESS
DISCONNECT TESTER
CYCLE KEYS TO PROGRAM
PRESS ENTER KEY

Programming Keys:
When erasing all keys (Clear), you must have 2 keys to cycle in the ignition after the 10 to 12 minute wait. You must go through the Clear Time wait.

Remove the key that is in the ignition and turn ON the second key for 5 seconds and remove. Re-insert the first key and turn ON for 5 seconds and remove.

You should check the amount of “Keys Programmed” and it should be ‘2’.

Wait a few seconds and test your keys.

REQUIRES SMART CARD CALCULATOR OR WEB APP
USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

OR

REQUIRES SMART CARD CALCULATOR OR WEB APP
USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

KEYS PROGRAMMED

SUCCESS
DISCONNECT TESTER
CYCLE KEYS TO PROGRAM
PRESS ENTER KEY

Programming Keys:
When erasing all keys (Clear), you must have 2 keys to cycle in the ignition after the 10 to 12 minute wait. You must go through the Clear Time wait.

Remove the key that is in the ignition and turn ON the second key for 5 seconds and remove. Re-insert the first key and turn ON for 5 seconds and remove.

You should check the amount of “Keys Programmed” and it should be ‘2’.

Wait a few seconds and test your keys.

REQUIRES SMART CARD CALCULATOR OR WEB APP
USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

OR

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USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

KEYS PROGRAMMED

SUCCESS
DISCONNECT TESTER
CYCLE KEYS TO PROGRAM
PRESS ENTER KEY

Programming Keys:
When erasing all keys (Clear), you must have 2 keys to cycle in the ignition after the 10 to 12 minute wait. You must go through the Clear Time wait.

Remove the key that is in the ignition and turn ON the second key for 5 seconds and remove. Re-insert the first key and turn ON for 5 seconds and remove.

You should check the amount of “Keys Programmed” and it should be ‘2’.

Wait a few seconds and test your keys.
START HERE:

Select:
+FORD
+USA
+BY VEHICLE

Select BY MODEL - not
BY SYSTEM

Remember to select by the
model & year, and then press
Enter.

SWITCH IGNITION ON

MAKE SURE THE KEY
YOU WANT TO ADD IS
THE ONE THAT IS IN
THE IGNITION!

SUCCESS
DISCONNECT TESTER

When using ADDITIONAL
KEYS FUNCTION, Only 1
NEW key is required.
You must go through the Clear
Time wait.

Remove the key that is in the
ignition.
Wait a few seconds and test
your key.

ECU IDENTIFICATION
PATS 6 CAN
PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS
PRESS ENTER KEY

DIAGNOSTIC MENU
CLEAR KEYS
> ADDITIONAL KEYS
KEYS PROGRAMMED
PRESS ENTER KEY

PLEASE WAIT
APPROX TIME 10:00
00m 02s
PRESS ENTER KEY

SWITCH IGNITION ON
PRESS ENTER KEY

REQUIRES SMART CARD
CALCULATOR OR WEB
APP

USE THE SMART DONGLE
FOR EASY ACCESS
USING BUILT IN SMART
CARD CALCULATOR

MAKE SURE THE KEY
YOU WANT TO ADD IS
THE ONE THAT IS IN
THE IGNITION!

Use this method for: Adding keys

WHEN USING ADD KEY
MAKE SURE TO HAVE THE NEW KEY YOU ARE ADDING IN THE IGNITION!
PATS 6 SYSTEMS PROX MODELS
(SELECTED BY VEHICLE)

SPECIAL FUNCTIONS

GAIN 10 MINUTE PATS SECURITY - The 1st step of any programming on these is to select this and wait the 10 minutes. After the 10 minute wait is over the software will take you back to the special functions menu.

CLEAR PROX - This function ERASES all keys from memory. Once completed the car is ready to learn 2 keys automatically and will learn the 1st TWO keys that are cycled in the ignition.

A minimum of 2 keys must be programmed into the system for the vehicle to run. When erasing all keys (Clear), you must have 2 keys to cycle in the ignition.

ADD PROX - This will ADD a key into the system without erasing others.

Make sure you have the key you want to add with the correct type of chip in the ignition.

KEYS PROGRAMMED - This function reads the number of programmed keys. It’s always a good idea to use this to see how many keys are in the system PRIOR to and AFTER any key programming is performed.

TIPS:

After Programming wait a few seconds before testing keys

MORE INFO:

This is a 2 KEY PROX SYSTEM

ON BOARD PROGRAMMING (OBP) - 2 programmed keys are required to OBP a 3rd key into the system. If you have 2 programmed keys to add additional keys is very simple:

A. Cycle each programmed prox key “ON” for 5 seconds then “OFF”. (Placing each PROX in the programming slot when turning the ignition “ON”).
B. Within 10 seconds, place a NEW prox key you want to program in the programming slot and cycle the ignition “ON” for 5 seconds.
C. Wait a few seconds.
D. The NEW PROX key should be programmed.

FACTORY ALARM - Must be disabled, all keys lost and alarm is tripped the factory alarm will prevent access to key programming.

Use a key in the door lock to turn the alarm OFF or use factory keypad.
You could also OBP in a remote to turn the alarm off.
PATS 6 SYSTEMS
PROX MODELS
(SELECTED BY VEHICLE)

START / STOP
Buttons

PROGRAMMING SLOT LOCATIONS

2010 Taurus
Programming Slot (inside Center Console)
1) Keyring Side Up

Lincoln MKS
Programming Slot (inside Glove Box)
1) Keyring Side Up
2) Buttons facing front of car, towards engine.

2011 Edge
Programming Slot (inside Center Console)
1) Buttons facing Up

2011 Explorer
Programming Slot (inside Center Console)
1) Keyring Side Up
2) Buttons rear of car.
MVP & TCODE PRO

FORD

PATS 6 SYSTEMS
PROX MODELS
(SELECTED BY VEHICLE)

Use this method for: CLEAR / ERASE PROX KEYS

REQUIRES 2 PROX KEYS
MAKE SURE TO HAVE 2 PROX KEYS READY!

START HERE:

Select:
+FORD
+USA
+BY VEHICLE

LEAVE IGN OFF

PRESS ENTER KEY

You must go through the procedure for “Gain 10 Min PATS Access” before you can Add or Erase.

SECURITY ACCESS

PLEASE WAIT
APROX TIME 10:00
00m 02s

PRESS ENTER KEY

The timer may go to around 12 minutes. It’s not that accurate. But in real time the wait should be 10 Min.

DIAGNOSTIC MENU

GAIN 10 MIN PATS ACCESS
> CLEAR PROX
ADD PROX
PROX PROGRAMMED

CLEAR PROX

SUCCESS
NOW GO TO
ADD PROX

PRESS ENTER KEY

See next page

Remember to select by the model & year, and then press Enter.

Do Not touch or activate the START button at this time.

The timer may go to around 12 minutes. It’s not that accurate. But in real time the wait should be 10 Min.

You must go through the procedure for “Gain 10 Min PATS Access” before you can Add or Erase.

SECURITY ACCESS

PLEASE WAIT
APPROX TIME 10:00
00m 02s

PRESS ENTER KEY

The timer may go to around 12 minutes. It’s not that accurate. But in real time the wait should be 10 Min.

DIAGNOSTIC MENU

GAIN 10 MIN PATS ACCESS
> CLEAR PROX
ADD PROX
PROX PROGRAMMED

CLEAR PROX

SUCCESS
NOW GO TO
ADD PROX

PRESS ENTER KEY

See next page
### Use this method for: CLEAR / ERASE PROX KEYS - CONT’D

#### CLEAR KEYS
- **WARNING**
  - ALL PROX WILL CLEARED
  - CONTINUE

![X] ![✓]

#### DIAGNOSTIC MENU
- GAIN 10 MIN PATS ACCESS CLEAR PROX
  - ADD PROX.
    - PROX PROGRAMMED

- PRESS ENTER KEY

#### ADD PROX.
- PLACE PROX IN PROGRAMMING SLOT MAX 4 PROX CAN BE PROGRAMMED

- PRESS ENTER KEY

- Make sure to place the Prox remote in the slot with the key ring facing up.

- PROX PROGRAMMED: 00
  - 2 PROX REQUIRED

- PRESS ENTER KEY

- PROX PROGRAMMED: 01
- PRESS ENTER KEY

- TEST REMOTE PRESS UNLOCK BUTTON

- PRESS ENTER KEY

- TEST REMOTE PRESS UNLOCK BUTTON

- PRESS ENTER KEY

- PROX PROGRAMMED: 02

- PRESS ENTER KEY

- TEST REMOTE PRESS UNLOCK BUTTON

- PRESS ENTER KEY

- You must program 2 Prox when you Clear/Erase.

- Make sure to place the Prox remote in the slot with the key ring facing up.

- DO YOU WANT TO PROGRAM ANOTHER PROX

- X ![✓]

- At this point you can enter more Prox or quit.
PATS 6 SYSTEMS
PROX MODELS
(SELECTED BY VEHICLE)

Use this method for: ADDING PROX KEYS

WHEN USING ADD PROX
MAKE SURE TO HAVE THE NEW KEY YOU ARE ADDING IN THE PROGRAMMING SLOT!

START HERE:
Select:
+FORD
+USA
+BY VEHICLE

On a PATS 6 (2010) system you select by Model - not by system.

Remember to select by the model & year, and then press Enter.

PATS 6 PROX

You must go through the procedure for “Gain 10 Min PATS Access” before you can Add or Erase.

Cont’d on next page
**ADD PROX.**

PROX PROGRAMMED: 00
2 PROX REQUIRED

PRESS ENTER KEY

**ADD PROX.**

PLEASE WAIT

**ADD PROX.**

PROX PROGRAMMED: 03

PRESS ENTER KEY

**ADD PROX.**

TEST REMOTE
PRESS UNLOCK BUTTON

PRESS ENTER KEY

---

Once you press the "Unlock" button on the Prox - you should hear the vehicles door locks cycle. After doing that, press Enter on your tester.

---

Once you press the "Unlock" button on the Prox - you should hear the vehicles door locks cycle. After doing that, press Enter on your tester. At this point you can enter more Prox or quit.
**2011+ FORD PATS SYSTEMS**  
**KEYED MODELS Except FIESTA**  
(SELECTED BY VEHICLE)

---

### SPECIAL FUNCTIONS

**CLEAR KEYS** - This procedure takes 10 minutes and ERASES all currently programmed keys from the system memory. Once the CLEAR KEYS function is completed, the car transponder system will "self learn" the first 2 keys that are cycled in the ignition. When performing CLEAR KEYS, there is no need to use the PRO to do anything other than ERASE the keys; the car does the rest of the work, simply by learning the first 2 keys that are cycled in the ignition.

After the erase procedure completes, cycle both keys to the ON position for 5 seconds each. They can be either brand new or previously programmed keys, but you must have 2 individual keys to cycle in after the ERASE.

**ADD KEY**- This procedure takes 10 minutes and adds a key into memory without affecting any other programmed keys already in the system. Use this function when you want to ADD A KEY without erasing any other previously programmed keys.

*When using ADD KEY make sure have that there is an UN-PROGRAMMED KEY you want to ADD in the ignition during the ADD KEY procedure.*

**KEYS PROGRAMMED**- This function reads the number of programmed keys. It’s always a good idea to use this to see how many keys are in the system PRIOR to and AFTER any key programming is performed.

### T-CODE SOFTWARE #

<table>
<thead>
<tr>
<th>T-CODE SOFTWARE #</th>
<th>CABLE / DONGLE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADS-175</td>
<td>ADC-250 / ADC-251 G (GREY) DONGLE</td>
</tr>
</tbody>
</table>

### MAX # OF KEYS:

<table>
<thead>
<tr>
<th>MAX # OF KEYS:</th>
<th>SMART DONGLE?</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>YES</td>
</tr>
</tbody>
</table>

### KEYS:

<table>
<thead>
<tr>
<th>KEYS:</th>
<th>SECURITY:</th>
</tr>
</thead>
<tbody>
<tr>
<td>REQUIRE 80-BIT</td>
<td>10 Minute wait / No bypass is available for any of these, must wait the 10 minutes.</td>
</tr>
</tbody>
</table>

### COMPONENTS MATCHED?

<table>
<thead>
<tr>
<th>DASH IMMO &amp; PCM ARE MATCHED</th>
</tr>
</thead>
</table>

### MATCHING CAPABILITY?

<table>
<thead>
<tr>
<th>Parameter Reset available on some models. See P.</th>
</tr>
</thead>
</table>

### SECURITY LIGHT / THEFT INDICATOR:

Light should be out at end of procedure. If theft light blinks or comes on steady, the key/keys have not been accepted.

### WATCH VIDEO - 2012 MUSTANG CLEAR ERASE WITH SMART DONGLE

---

### TIPS:

Before using ERASE KEYS make sure you have at least 2 keys to cycle in the ignition. After Programming wait a few seconds before testing keys.

### MORE INFO:
2011+ FORD PATS SYSTEMS
KEYED MODELS
(SELECTED BY VEHICLE)

Use this method for: CLEAR ERASE KEYS

WHEN USING CLEAR ERASE KEYS
MAKE SURE TO HAVE 2 KEYS READY!

START HERE:
Select:
+FORD
+USA
+BY VEHICLE

VEHICLE SELECTION

> BY VEHICLE
BY SYSTEM

Remember to select by the model & year, and then press Enter.

ECU IDENTIFICATION

FORD 2011

PRESS ENTER KEY

> ECU IDENTIFICATION:
To display the ECU ID

> FAULT CODES:
To check & clear faults

> SPECIAL FUNCTIONS:
Program keys

Make your selection and press the Enter key.

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

Select your model. In some cases you will need to use the arrow keys to scroll through the menu to find your vehicle.

Next, select the Year, if needed. For Keyed vehicles you may need to select NON PROXIMITY, if given the choice.
Programming Keys:
When erasing all keys (Clear), you must have 2 keys to cycle in the ignition after the 10 to 12 minute wait. You must go through the Clear Time wait.

Removing the key that is in the ignition and turn ON the second key for 5 seconds and remove. Re-insert the first key and turn ON for 5 seconds and remove.

You should check the amount of “Keys Programmed” and it should be ‘2’.

Wait a few seconds and test your keys.
START HERE:

Select:
+FORD
+USA
+BY VEHICLE

VEHICLE SELECTION

> BY VEHICLE
BY SYSTEM

Remember to select by the model & year, and then press Enter.

MAKE SURE THE KEY YOU WANT TO ADD IS THE ONE THAT IS IN THE IGNITION!

Select your model. In some cases you will need to use the arrow keys to scroll through the menu to find your vehicle.

Next, select the Year, if needed. For Keyed vehicles you may need to select NON PROXIMITY, NORMAL OR BLADED, if given the choice.
2011+ FORD PATS SYSTEMS
KEYED MODELS Except FIESTA
(SELECTED BY VEHICLE)

Use this method for: ADDITIONAL KEYS - Cont’d

ADD KEY

SUCCESS
DISCONNECT TESTER

PRESS ENTER KEY

Remove the key that is in the ignition after you are prompted to do so and the key should be programmed.

Wait a few seconds and test your key.
SPECIAL FUNCTIONS

CLEAR KEYS - This procedure takes 10 minutes and ERASES all currently programmed keys from the system memory.
Once the CLEAR KEYS function is completed the cars transponder system will “self learn” the first 2 keys that are cycled in the ignition. When performing CLEAR KEYS there is no need to use the PRO to do anything other than ERASE the keys then the car does the rest of the work, simply by learning the first 2 keys that are cycled in the ignition.
After the erase procedure completes cycle both keys to the ON position for 5 seconds each. They can be either brand new or previously programmed keys but you must have 2 individual keys to cycle in after the ERASE.

ADD KEY- This procedure takes 10 minutes and add’s a key into memory without affecting any other programmed keys already in the system. Use this function when you want to ADD A KEY without erasing any other previously programmed keys.
When using ADD KEY make sure have that there is an UN-PROGRAMMED KEY you want to ADD in the ignition during the ADD KEY procedure.

KEYS PROGRAMMED- This function reads the number of programmed keys.
It’s always a good idea to use this to see how many keys are in the system PRIOR to and AFTER any key programming is performed.

TIPS:
Before using ERASE KEYS make sure you have at least 2 keys to cycle in the ignition. After Programming wait a few seconds before testing keys.

MORE INFO:

Vehicle Selection: 2011+ Super Duty F trucks & non super duty are all selected by vehicle and NOT by system.
If after selecting on the menu the vehicle ID’s as a Pats 6 then you have selected incorrectly, the vehicle must ID on your software screen as 2011 FORD.
2011-2014 F-SERIES PICK UP’s  
(SELECTED BY VEHICLE)

Proper vehicle ID is critical for successful programming.  
IMPORTANT NOTE: Do not use the date on the production sticker to ID the year, use the VIN number.  
Count over to the 10th placement of the VIN (from left to right) If it’s a true 2011 it will read as “B”. However if reads as “A” it’s a 2010, which is a different system protocol. Next check the tailgate to determine if it’s a Super duty or not. If it is it’s Super duty it will clearly be stamped on the tailgate.

MORE INFO: CONTINUED

Factory alarms; Most 2011+ F SERIES trucks come equipped with a parameter factory equipped alarm system. If you are working on a lost key situation and the factory alarm has been tripped You MUST shut this system down prior to programming keys or you will receive an access denied message at the end of the 10 minute security wait.

Keys; 2011+ F series trucks require 80 bit keys. These keys are typically stamped with an SA or HA on the blade. Be sure you are not to be using the older 599114 key also known as the jewel key. NOTE-80 bit keys can be a used as a replacement for the 599114 key but not the other way around. If you are using remote headed keys the RKE functions will program in at the same time as the keys. NOTE-Be sure to cut a metal key first to verify the vehicle is transponder equipped as some vehicles may not have come transponder equiped.

Security light; There is no familiar security light on these vehicles, when the key programs in the door locks will cycle up and down once, on the no frills version of these trucks the locks will NOT cycle so you will need to rely on your key count info and the fact that the vehicle starts after the programing is complete.

Starting system fault message on the dash; If you program in a non-remote head key you will see a starting system fault message displayed on the dash, this is normal and will not affect the proper running of the vehicle. This message will extinguish after a short period of time but will reappear each time this key is used. Be sure to inform your customer that this is part of FORDS system when a non-remote head key is used to start the vehicle.

On Board Programming of Remotes - There may be rare occasions when the manufacturers OBP will not work, and you just can’t get a remote to program. This is a known FORD issue that AD tech support can not solve for you. Sometimes the tire pressure module goes bad, which is the same module related to the OBP being successful. If this happens the module may need to be replaced.
ALL KEYS LOST SITUATIONS IF YOU SET OFF THE ALARM IT NEEDS TO BE RESET BEFORE YOU CAN PROGRAM KEYS

CLEAR KEYS

“ACCESS DENIED”

The tester will display “ACCESS DENIED”

2011+ model factory alarms will not reset simply by turning the key in a door lock.

SOLUTIONS:

There are 2 ways of re-setting the alarm to allow for key programming:

1. Program in a 3 or 4 button separate remote like the ones shown below.
   (Use the on-board programming instructions on the next page)
   Then use the remote to disarm the alarm.

2. Read the key-pad code (if the car or truck is equipped with one) and then use the door key-pad to disarm the alarm.

HELPFUL HINT:
If your doing lost keys on these vehicles It’s a great idea to have a few of these remotes on hand so you’re ready for this and wont get stuck needing one because of the FORD ALARM.

WATCH VIDEO - 2011 F-150
KEYPAD READ

WATCH VIDEO - 2014 F-150
NO KEYPAD
VEHICLES THAT MAY REQUIRE
ON-BORD PROGRAMMING METHODS
FOR PROGRAMMING REMOTES

ON BOARD STEPS #1 (Used on Most Models)
For On-Board Programming Remotes:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Close all doors and then open drivers door and press the UNLOCK button on drivers door panel while door is open and insert key in ignition.</td>
</tr>
<tr>
<td>2</td>
<td>Turn ignition from OFF to RUN 8 times within 10 seconds, with the 8th time ending in RUN. Door locks will cycle to confirm programming mode.</td>
</tr>
<tr>
<td>3</td>
<td>Within 20 seconds press any button on first keyless remote. Door locks will cycle to confirm programming.</td>
</tr>
<tr>
<td>4</td>
<td>Within 20 seconds, press any button on second keyless remote. Door locks will cycle again to confirm programming.</td>
</tr>
<tr>
<td>5</td>
<td>Turn ignition to OFF. Locks will again cycle to indicate end of programming mode.</td>
</tr>
</tbody>
</table>

ON BOARD STEPS #2 (Used on Fiesta)
For On-Board Programming a Remotes:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Turn the ignition switch from off to run four times in rapid succession (within six seconds), with the fourth turn ending in off. If the program mode is successfully entered, a chime will sound. Note: If no action is taken within 10 seconds after a transmitter has been programmed, the programming sequence ends.</td>
</tr>
<tr>
<td>2</td>
<td>Within 10 seconds, press any button on the transmitter to be programmed. A chime will sound to confirm that the transmitter is programmed. Repeat this step for each transmitter. Note: There is no chime or any other confirmation upon exiting the programming mode.</td>
</tr>
</tbody>
</table>
| 3 | Exiting the programming mode is accomplished if one of the following occurs:  
  - The ignition is turned on.  
  - Ten seconds have passed since entering the programming mode or since the last transmitter was programmed.  
  - The maximum number (eight) of transmitters has been programmed. |
| 4 | Within 20 seconds, press any button on second keyless remote. Door locks will cycle again to confirm programming. |
### 2011-2013 FIESTA
**With KEYED IGNITION**
*(SELECTED BY VEHICLE)*

**SPECIAL FUNCTIONS**

| CLEAR KEYS | - This procedure ERASES all currently programmed keys from the system memory. After the erase procedure completes PROGRAM KEYS is used to introduce keys back in. |
| PROGRAM KEYS | - This procedure adds a key into memory without affecting any other programmed keys already in the system. Use this function after ERASE KEYS or when you want to ADD A KEY without erasing any other previously programmed keys. When using ADD KEY make sure there is an UN-PROGRAMMED KEY you want to ADD in the ignition during the ADD KEY procedure. |
| KEYS PROGRAMMED | - This function reads the number of programmed keys. It’s always a good idea to use this to see how many keys are in the system PRIOR to and AFTER any key programming is performed. |

**TIPS:**

Before using ERASE KEYS make sure you have at least 2 keys ready. After Programming wait a few seconds before testing keys.

**MORE INFO:**

Proper vehicle ID is critical for successful programming.

**IMPORTANT NOTE:** Do not use the date on the production sticker to ID the year, use the VIN number.

<table>
<thead>
<tr>
<th>T-CODE SOFTWARE #</th>
<th>CABLE / DONGLE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADS-175</td>
<td>ADC-250 / ADC-251</td>
</tr>
<tr>
<td>ADS-133</td>
<td>G (GREY) DONGLE</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MAX # OF KEYS:</th>
<th>SMART DONGLE?</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>YES</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>KEYS:</th>
<th>SECURITY:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Re-usable</td>
<td>10 Minute wait bypassed, TCODE must have ADS-133 and Smart Card activated.</td>
</tr>
</tbody>
</table>

**COMPONENTS MATCHED?**

DASH IMMO & PCM ARE MATCHED

**MATCHING CAPABILITY?**

Parameter Reset available on some models. See Parameter Reset Section

**SECURITY LIGHT / THEFT INDICATOR:**

Light should be out at end of procedure. If theft light blinks or comes on steady the key/keys have not been accepted.

Advanced Diagnostics USA Manual for MVP & T-CODE - © 2017
2011-2013 FIESTA
With KEYED IGNITION
(SELECTED BY VEHICLE)

Use this method for: CLEAR ERASE KEYS
WHEN USING CLEAR ERASE KEYS
MAKE SURE TO HAVE 2 KEYS READY!

START HERE:

Select:
+FORD
+USA
+VEHICLE SMC won't be used during the procedure but your tester does need to have it activated.

Select by Vehicle & Model Year - not by system.

VEHICLE SELECTION

+FORD
+AVIATOR
+BLACKWOOD
+CONTINENTAL
+CONTOUR
+COUGAR
+CROWN VICTORIA
+E SERIES VAN
+EDGE
+ESCAPE
+EXCURSION
+EXPEDITION
+EXPLORER
+EXPLOER SPRTRAC
+FIESTA
+FIVE HUNDRED
+FOCUS
+FUSION
+F150/250
+F250/350
+F250 SUPER DIESEL
+F350
+GRAND MARQUIS
+LS
+MARAUDER
+MARINER
+MARK LT
+MARK VIII
+MILAN
+MKX
+MKZ
+MKS
+MKT

Select the model year you are working on
2010-2013
2014-2015

DIAGNOSTIC MENU

> ECU IDENTIFICATION:
To display the ECU ID

> FAULT CODES:
To check & clear faults

> SPECIAL FUNCTIONS:
Program keys
Make your selection and press the Enter key.
2011-2013 FIESTA
With KEYED IGNITION
(SELECTED BY VEHICLE)

Use this method for: CLEAR ERASE KEYS - Cont’d

DIAGNOSTIC MENU

> CLEAR KEYS
PROGRAM KEYS
KEYS PROGRAMMED

CLEAR KEYS

WARNING
ALL KEYS WILL
CLEARED
CONTINUED

X  ✔

KEYS PROGRAMMED

KEYS PROGRAMMED: 2
KEY STATUS: UNPROGRAMMED

PRESS ENTER KEY

CLEAR KEYS

SUCCESS

PRESS ENTER KEY

On FIESTA models -

Once the keys are Cleared / Erased.
You must program each new key using the MVP / TCODE.

Select “PROGRAM KEYS” to program any and all keys.

Each key needs to be programmed separately using the MVP / TCODE.
**2011-2013 FIESTA**  
*With KEYED IGNITION (SELECTED BY VEHICLE)*

**Use this method for: ADDING KEYS**  
*WHEN USING PROGRAM KEYS*  
*MAKE SURE TO HAVE THE NEW KEY YOU ARE ADDING IN THE IGNITION!*

### START HERE:
- **Select:**
  - FORD
  - USA
  - VEHICLE SMC won’t be used during the procedure but you’re tester does need to have it activated.

Select by Vehicle & Model Year - not by system.

### VEHICLE SELECTION
- AVIATOR
- BLACKWOOD
- CONTINENTAL
- CONTOUR
- COUGAR
- CROWN VICTORIA
- E SERIES VAN
- EDGE
- ESCAPE
- EXCURSION
- EXPEDITION
- EXPLORER
- EXPLORER SPTRAC
- FIESTA
- FIVE HUNDRED
- FOCUS
- FUSION
- F150/250
- F250/350
- F250 SUPER DIESEL
- F350
- GRAND MARQUIS
- LS
- MARAUDER
- MARINER
- MARK LT
- MARK VIII
- MILAN
- MKZ
- MKS
- MKT

Select the model year you are working on:  
- 2010-2013
- 2014-2015

### ECU IDENTIFICATION
- FORD 2011
- PATS 3 CAN (PCM)

### DIAGNOSTIC MENU
- ECU IDENTIFICATION
- > SPECIAL FUNCTIONS
2011-2013 FIESTA
With KEYED IGNITION
(SELECTED BY VEHICLE)

Use this method for: ADDING KEYS - Cont’d

DIAGNOSTIC MENU
- CLEAR KEYS
- > PROGRAM KEYS
  KEYS PROGRAMMED

KEYS PROGRAMMED
- KEYS PROGRAMMED: 0
- KEY STATUS: UNPROGRAMMED

PRESS ENTER KEY

On FIESTA models -
Each key needs to be programmed separately using the MVP / TCODE.

ADDITIONAL KEYS
- CYCLE THE KEY OFF THEN BACK ON NOW....

PRESS ENTER KEY

SUCCESS
- CYCLE IGNITION TO PROGRAM

PRESS ENTER KEY

ADDITIONAL KEYS
- IGNITION ON

PRESS ENTER KEY

ADDITIONAL KEYS
- INSERT KEY TO PROGRAM
  IGNITION ON

PRESS ENTER KEY
Proper vehicle ID is critical for successful programming. IMPORTANT NOTE: Do not use the date on the production sticker to ID the year, use the VIN number.

### SPECIAL FUNCTIONS

<table>
<thead>
<tr>
<th>CLEAR KEYS</th>
<th>This procedure takes 10 minutes and ERASES all currently programmed keys from the system memory. Once the CLEAR KEYS function is completed the cars transponder system will &quot;self learn&quot; the first 2 keys that are cycled in the ignition. When performing CLEAR KEYS there is no need to use the PRO to do anything other than ERASE the keys then the car does the rest of the work, simply by learning the first 2 keys that are cycled in the ignition. After the erase procedure completes cycle both keys to the ON position for 5 seconds each. They can be either brand new or previously programmed keys but you must have 2 individual keys to cycle in after the ERASE.</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADD KEY</td>
<td>This procedure takes 10 minutes and add’s a key into memory without affecting any other programmed keys already in the system. Use this function when you want to ADD A KEY without erasing any other previously programmed keys. When using ADD KEY make sure have that there is an UN-PROGRAMMED KEY you want to ADD in the ignition during the ADD KEY procedure.</td>
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<tr>
<td>KEYS PROGRAMMED</td>
<td>This function reads the number of programmed keys. It’s always a good idea to use this to see how many keys are in the system PRIOR to and AFTER any key programming is performed.</td>
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### T-CODE SOFTWARE #

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### MAX # OF KEYS:

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<tbody>
<tr>
<td>8</td>
<td>YES</td>
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### KEYS:

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<th>KEYS</th>
<th>SECURITY:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Re-usable</td>
<td>10 Minute wait / No bypass is available for any of these, must wait the 10 minutes.</td>
</tr>
</tbody>
</table>

### COMPONENTS MATCHED?

<table>
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<tr>
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</tr>
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<tr>
<td>DASH IMMO &amp; PCM ARE MATCHED</td>
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### MATCHING CAPABILITY?

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Parameter Reset available on some models. See P.</td>
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</table>

### SECURITY LIGHT / THEFT INDICATOR:

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<tbody>
<tr>
<td>Light should be out at end of procedure. If theft light blinks or comes on steady the key/keys have not been accepted.</td>
</tr>
</tbody>
</table>

The OBD2 Port located behind a trap door on the dash.

### TIPS:

Before using ERASE KEYS make sure you have at least 2 keys to cycle in the ignition. After Programming wait a few seconds before testing keys.

### MORE INFO:
2012-2015 FOCUS, ESCAPE / 14-15 FIESTA / 14-16 TRANSIT CONNECT

KEYED MODELS

START HERE:

Select:
+FORD
+USA
+VEHICLE

On all ADS-175 vehicles you select by Model - not by system.

Select the exact model. Next, select the Year, if needed.
For Keyed Ignition models select: BLADED

VEHICLE SELECTION

+ AVIATOR + FUSION
+ BLACKWOOD + F150/250
+ CONTINENTAL + F250/350
+ CONTOUR + F250 SUPER DIESEL
+ COUGAR + F350
+ CROWN VICTORIA + GRAND MARQUIS
+ E SERIES VAN + LS
+ EDGE + MARAUDER
+ ESCAPE + MARINER
+ EXCURSION + MARK LT
+ EXPEDITION + MARK VIII
+ EXPLORER + MILAN
+ EXPLORER SPRTRAC + MKX
+ FIESTA + MKZ
+ FIVE HUNDRED + MKS
+ FOCUS + MKT

On all ADS-175 vehicles you select by Model - not by system.

开关点火

PRESS ENTER KEY

ECU IDENTIFICATION

VIN: 1FAHP3M28EL356661
KEYS PROGRAMMED: 02

PRESS ENTER KEY

Once communication is established the VIN and the number of keys programmed should display.

DIAGNOSTIC MENU

ECU IDENTIFICATION
> SPECIAL FUNCTIONS

Once you get to this point continue to the next step

CLEAR KEYS or ADD KEY.

(Depending on which special function you want to perform).
Use this method for: CLEAR ERASE KEYS

WHEN USING CLEAR ERASE KEYS
MAKE SURE TO HAVE 2 KEYS READY!

**DIAGNOSTIC MENU**

- CLEAR KEYS
- ADD KEY

**CLEAR KEYS**

- WARNING
- ALL KEYS WILL CLEAR
- CONTINUED

**CLEAR KEYS**

- TWO KEYS REQUIRED

**PRESS ENTER KEY**

This warning message is just reminding you that if you CLEAR KEYS you need 2 keys to cycle and program.

**CLEAR KEYS**

- SUCCESS
- CYCLE KEYS TO PROGRAM
- KEYS PROGRAMMED: 01

Once the SUCCESS message appears cycle the key in the ignition to “OFF” then back to “ON”.

KEYS PROGRAMMED: should display 1

**CLEAR KEYS**

- SUCCESS
- CYCLE KEYS TO PROGRAM
- KEYS PROGRAMMED: 01

Remove the 1st key from the ignition and cycle the 2nd key to “ON”.

KEYS PROGRAMMED: should now display 2

Disconnect the tester & test the keys.
MVP & TCODE PRO  
FORD  

2012-2015 FOCUS, ESCAPE / 14-15 FIESTA / 14-16 TRANSIT CONNECT  
KEYED MODELS  

Use this method for: ADDING KEYS  

WHEN USING PROGRAM KEYS  
MAKE SURE TO HAVE THE NEW KEY YOU ARE ADDING IN THE IGNITION!  

DIAGNOSTIC MENU  

CLEAR KEYS  
> ADD KEY  

ADD KEY  

2 KEYS REQUIRED  

PRESS ENTER KEY  

ADD KEYS  

PLEASE WAIT  
APPROX 10 MIN  
00 m 45 s  

ADD KEYS  

SUCCESS  
READING KEY / STORING KEY  
KEYS PROGRAMMED : 03  

Do not let this message confuse you. Even when just ADDING A KEY this message will show up. All it means is that there must be at least 2 keys PROGRAMMED IN MEMORY for the car to run. If you are ADDING A KEY and there are 2 keys already programmed you only need 1 key with you to ADD.  

A timer should run showing approximate time elapsed. Be certain to remain connected to the vehicle and that good battery charge of at least 12 Volts is maintained!  

Once the SUCCESS message appears cycle the key in the ignition to “OFF” then back to “ON”. KEYS PROGRAMMED: Should display the new number of keys programmed.  

Disconnect the tester & test the keys.
IF YOU ARE PROGRAMMING REMOTE HEAD KEYS ON THESE MODELS SOMETIMES THE RKE BUTTONS MUST BE PROGRAMMED IN USING ONLY THE CAR, NOT THE PRO.

This is done via an "On-Board Programming Procedure" - Here's how to do it-

1. Close all doors and fasten the seat belt to ensure conflicting chimes do not sound during programming.

2. Turn the ignition lock form OFF (2) to ON (3) at least 4 times in 6 seconds.

3. Switch off the ignition. Now the RKE control module has entered the "learning mode" for 10 seconds. This mode is indicated by a chime.

4. While the RKE control module is in the "learning mode", press and hold one of the buttons of the remote transmitter until a chime sounds. This indicates a new RKE has been successfully programmed. Now, another 10 seconds "learning mode" is automatically entered. Another transmitter can now be programmed (repeat step 4).

5. The system will leave the "learning mode" after starting the ignition, if no new transmitter is programmed during the 10 seconds, or if the Max of 4 remotes have been programmed. After successful programming, only the new programmed transmitters will work. Note that an incorrect programming procedure does not erase currently programmed RKE's.

6. Test all RKE button for proper functioning.
Parameter Reset Overview

A parameter reset procedure can sometimes be useful when a vehicle’s instrument cluster or PCM module has been replaced and there is PATS MIS-MATCH situation. Sometimes a fault code like “SCP MESSAGE MISSING” will be a clue to this condition. However, depending on where the parts came from they need to “re-flashed” with the proper vehicle information before they can be sucessfully installed.

Please keep in mind that a PARAMET RESET may or may not solve any pre-existing vehicle issues that may be the cause of any “no start condition.”

Please NOTE that AD cannot not refund any lost tokens used for parameter reset functions.

Here are a few helpful notes:

> ALWAYS check the 10 digit of the VIN number to verify the year of the vehicle, then check the PARAMETER RESET COVERAGE GRID for the correct system protocol.

> Some vehicles are selected using BY SYSTEM & NOT BY VEHICLE & some get selected only BY VEHICLE.

> If the vehicle’s instrument cluster is changed on a PCM or Pats 3 system vehicle, a parameter reset procedure may not necessary because the keys are stored in the PCM. You may only need to CLEAR/ERASE/PROGRAM keys to get the vehicle running again.

> It’s always a great idea to check “keys programmed” before, during and after jobs. It’s also a great idea to apply extra power to the vehicle during programming.

> Some vehicles may be listed as using one protocol to ERASE / CLEAR / PROGRAM keys in the KEY LOOK UP GRIDS but are listed as HEC in the PARAMETER RESET COVERAGE chart. This is because a PARAMETER RESET is accomplished by selecting HEC even though the keys programming uses another protocol (for example PATS2). You may have to CLEAR ERASE & PROGRAM 2 keys prior to a PARAMETER RESET depending on what was changed. This ensures that the keys used are actually stored in the vehicles memory. HEC/ICM/VIC protocol cars the key memory is stored in the dashboard so it’s absolutely essential to do this if the dash is what has been changed.

> Sometimes, performing what’s called a “Hard Reset” which is to momentarily disconnect the vehicles battery helps after performing PARAMETER RESET function to reset the vehicle computer memory or KAM. After re-connecting the battery cycle 1 of the keys in the ignition 5 times ON/OFF waiting 5 seconds during each ON cycle. This completes the KAM procedure. Wait 2 minutes prior to testing keys.

> If after selecting PARAMETER RESET an option appears to bypass the 10 minute security wait, say NO & instead opt for the 10 MINUTE WAIT.
**Parameter Reset Coverage**

<table>
<thead>
<tr>
<th>FORD / LINCOLN / MERCURY VEHICLES &amp; PARAMETER RESET SOFTWARE REQUIRED ON TCODE</th>
<th>BY VEHICLE (ADS-190)</th>
</tr>
</thead>
</table>
| **HEC (ADS-100)** | **CAN4 (ADS-190)** | **CAN5 (ADS-190)** | **E-Series Van 08-13**<br>**Edge 10-13**<br>**Flex 10-12**<br>**Focus 08-11**<br>**Mariner 09-11**<br>**Navigator 09-12**<br>**E-Series Van 10-13**<br>**Edge 10-13 (Keyed model only)**<br>**Explorer 10-13**<br>**Explorer Spt Track 10-12**<br>**F-150 11-12**<br>**F-250 10-12**<br>**F-350 10-12**<br>**Flex 13**<br>**Focus 12-14 (Keyed model only)**<br>**Fusion gas 10-12**<br>**Milan 10-11**<br>**MKZ 10**<br>**MKX 10-12**<br>**Mountaineer 10-11**<br>**Mustang 10-12**<br>**Taurus 10-12 (Keyed model only)**<br>**Taurus 13 (Keyed model only)**<br>**Transit 10-13** | **E-Series Van 08-09**<br>**Edge 07-09**<br>**Escape 08**<br>**Explorer 07-08**<br>**Explorer 06-09**<br>**Explorer Spt Track 06-09**<br>**F-250 08-09**<br>**F-350 08-09**<br>**Flex 09**<br>**Freestyle 07-08**<br>**Mark LT 08-09**<br>**Milan 06-09**<br>**Mariner 08**<br>**Mountaineer 06-09**<br>**MKX 07-09**<br>**MX7 07-09**<br>**Navigator 07-08**<br>**Taurus 08-09**<br>**Sable 08-09**<br>**Zephyr 06** | **Escape 09-12**<br>**Expedition 09-13**<br>**F-150 09-10**<br>**Flex 10-12**<br>**Focus 08-11**<br>**Mariner 09-11**<br>**Mountaineer 06-09**<br>**Navigator 09-12**

<table>
<thead>
<tr>
<th><strong>MAZDA VEHICLES WITH AVAILABLE PARAMETER RESET (ADS-190)</strong></th>
<th><strong>BY VEHICLE (ADS-190)</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Mazda 2 08-13 (Select “By Vehicle”)</strong>&lt;br&gt;<strong>Mazda 3 09-13 (Select “By Vehicle”)</strong>&lt;br&gt;<strong>Mazda 5 12 (Select “By Vehicle”)</strong>&lt;br&gt;<strong>Mazda 2 08 (Select “By Vehicle”)</strong>&lt;br&gt;<strong>Mazda 6 08-12 (PCM) (Part #1 of a TWO STEP PROCESS USING E DONGLE) (Select “By Vehicle”)</strong>&lt;br&gt;<strong>Mazda 6 08-12 (ICM) (Part #2 of a TWO STEP PROCESS USING E DONGLE) (Select “By Vehicle”)</strong>&lt;br&gt;<strong>Mazda B Series 99-00 (Select HEC)</strong></td>
<td><strong>Mazda B Series 07-10 (Select Pats 4)</strong>&lt;br&gt;<strong>Mazda CX7 09-12 (Select “By Vehicle”)</strong>&lt;br&gt;<strong>Mazda CX9 09-13 (Select “By Vehicle”)</strong>&lt;br&gt;<strong>Mazda MX5 09-11 (Select “By Vehicle”)</strong>&lt;br&gt;<strong>Mazda RX8 09-11 (Select “By Vehicle”)</strong>&lt;br&gt;<strong>Mazda Tribute 08 (Select Pats 4)</strong>&lt;br&gt;<strong>Mazda Tribute 09-11 (Select Pats 5)</strong></td>
</tr>
<tr>
<td>MODEL</td>
<td>YEAR</td>
</tr>
<tr>
<td>---------------</td>
<td>------</td>
</tr>
<tr>
<td>CROWN VIC</td>
<td>98-04</td>
</tr>
<tr>
<td>CROWN VIC</td>
<td>05-11</td>
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<tr>
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<td>EDGE PROX</td>
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<td>F-150 HERITAGE</td>
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<td>11-13</td>
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<tr>
<td>F-250 HARLEY</td>
<td>08-10</td>
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<td>F-350</td>
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<tr>
<td>F-450</td>
<td>08-10</td>
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<td>FIVE HUNDRED</td>
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<td>FLEX</td>
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<td>TAURUS SEL</td>
<td>04-09</td>
</tr>
<tr>
<td>TAURUS SEL</td>
<td>13</td>
</tr>
</tbody>
</table>

Watch video: Reading the door keypad code on 2007 Edge.
INTELLIGENT KEY
PROX MODELS
(2 STEP PROCESS)

SPECIAL FUNCTIONS
Two separate procedures are needed to fully program PROX keys.

STEP #1 - PERFORM THIS FIRST
INTELLIGENT KEY - This programs the RKE & PROX functions.
ERASE OR ADD is available.
Follow the prompts on the tester.
At the end of the 10 minute security access, follow the prompts on the tester and press the unlock button on the PROX as instructed by the tester.
For this step the PROX can be anywhere inside the car and placement is not critical.

STEP #2 - PERFORM THIS SECOND
This just programs the transponder inside the PROX.
ERASE OR ADD is available.
Follow the prompts on the tester.
At the end of the 10 minute security access follow the prompts and hold the PROX up to the learning area as shown on the previous page. (Placement is critical for this step).
If this step is not performed then if the battery in the PROX dies then the transponder inside the PROX will not be recognized and the car will not start. So it’s important to make sure this step is not skipped.

TIPS:
After Programming wait a few seconds before testing keys.

MORE INFO:

ATTENTION MVP PRO USERS:
Because TWO separate procedures and a dongle change is required, 2 tokens will be needed to complete the programming of these cars. Because Fiesta Prox does not require switching dongles and is done all using the “L” dongle.
Fiesta Prox can be done with just one token.

INITIAL ACCESS TIME-OUT
On intelligent access equipped cars after first plugging in and turning the PRO on with the “L” dongle connected
The car may need about 1 minute to respond.
This is normal, just stay connected and wait 1 minute or so before proceeding with programming.
More Additional Info

**Intelligent Keys (Except FIESTA) require 2 STEPS, 2 separate 10 minute procedures.**

**STEP # 1 with the “G” dongle programs just the Transponder inside the PROX key.**

**STEP # 2 with the “L” dongle programs the “Intelligent key” (RKE buttons & proximity).**

**TRANSPONDER** - This deals with just the transponder inside the PROX and programs the transponder so that it works by holding the PROX up to the learning area on the column if the battery inside the PROX goes flat.

**INTELLIGENT KEY** - This deals only with the RKE buttons and the ability to use the PROX to start the car anywhere inside vehicle compartment.

**Transponder Learning Area**

The positioning is extremely important when programming the Transponder portion of the PROX.

The PROX must be held up precisely as shown here.
We found that this is the best way to position the PROX for success.

Notice there are two types of columns:
One has a round learning area
the other has an indent.
It does not matter which one the car has.
The PROX should be held up the same way.
INTELLIGENT KEY
PROX MODELS
(2 STEP PROCESS)

WHEN USING CLEAR ERASE KEYS
MAKE SURE TO HAVE 2 KEYS READY!

STEP # 1 - with the “L” dongle programs just the INTELLIGENT KEY part of the prox key.

USING L DONGLE OR SD
START HERE:
Select:
+FORD
+USA
+BY VEHICLE
+PROX
+YEAR
+INTELLIGENT KEY

ECU IDENTIFICATION
FORD PROX

PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU
>CLEAR / PROGRAM KEYS
ADDITIONAL KEYS
KEYS PROGRAMMED

DIAGNOSTIC MENU
>CLEAR / PROGRAM KEYS
ADDITIONAL KEYS
KEYS PROGRAMMED

SELECT:
“CLEAR / PROGRAM KEYS”
if you want to ERASE all KEYS
OR
“ADDITIONAL KEYS”
if you just want to ADD.

The Ignition does NOT need to be turned “ON”.
Stays OFF for the entire procedure

LEAVE IGN OFF

USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

OR

REQUIRES SMART CARD CALCULATOR OR WEB APP

PRESS ENTER KEY

VEHICLE SELECTION
TRANSPONDER
INTELLIGENT KEY

46
INTELLIGENT KEY
PROX MODELS
(2 STEP PROCESS)

STEP # 1 - CONT’D

CLEAR KEYS

WARNING
ALL KEYS WILL
CLEARED
CONTINUED

ADD KEY

2 KEYS REQUIRED
PRESS ENTER KEY

PROGRAM PROX

HOLD THE UNLOCK BUTTON

PROGRAM PROX

SUCCESS
PRESS ENTER KEY

PROGRAM PROX

DO YOU WANT TO
PROGRAM
ANOTHER PROX

CLEAR PROX

SUCCESS
PRESS ENTER KEY

NOW USE “ADDITIONAL KEYS” TO
PROGRAM IN AT LEAST 2 PROX

DIAGNOSTIC MENU

CLEAR / PROGRAM KEYS
> ADDITIONAL KEYS
KEYS PROGRAMMED

Don’t let this message confuse you. It’s only telling you that there must be 2 keys in memory. If you are adding just adding 1 you don’t need the others to be present.

Place the PROX anywhere near the center console

PRESS & HOLD THE UNLOCK BUTTON ON THE PROX.

If the PROX programs, “SUCCESS” will be displayed.

Program more PROX if you have more to program.

If the PROX fails to program “NOT DETECTED” Should be displayed. Check that you are using the correct PROX. Check the battery in the PROX you are trying to program.
INTELLIGENT KEY
PROX MODELS
(2 STEP PROCESS)

STEP # 2 with the “G” dongle programs just the
TRANSPONDER inside the PROX KEY

USING G DONGLE OR SD
START HERE:
Select:
+FORD
+USA
+BY VEHICLE
+PROX
+YEAR
+TRANSPONDER

OR

REQUIRES SMART CARD CALCULATOR OR WEB APP

USE THE SMART DONGLE FOR EASY ACCESS
USING BUILT IN SMART CARD CALCULATOR

LEAVE IGN OFF
PRESS ENTER KEY

The Ignition does NOT need to be turned “ON”.
Stays OFF for the entire procedure

ECU IDENTIFICATION
VIN: 1FAHP3M28EL696969
KEYS PROGRAMMED: 02
PRESS ENTER KEY

DIAGNOSTIC MENU

> SPECIAL FUNCTIONS

DIAGNOSTIC MENU

> CLEAR / PROGRAM KEYS
ADDITIONAL KEYS
KEYS PROGRAMMED

CLEAR KEYS

WARNING
ALL KEYS WILL
CLEARED
CONTINUED

X

PLEASE WAIT
APPROX 10 MIN
00 m 26 s

WAIT THE 10 MINUTES

If you selected CLEAR KEYS a warning will display.
Touch the check mark to continue
or Touch the X to go back.
INTELLIGENT KEY
PROX MODELS
(2 STEP PROCESS)

ACCESS GRANTED

PROGRAM TRANSPONDER
HOLD PROX FOB
ON THE FLAT SPOT
OF STEERING COLUMN

PRESS ENTER KEY

Press ENTER then hold Prox up

PROGRAM TRANSPONDER
SUCCESS

PRESS ENTER KEY

“SUCCESS”
Should display when the transponder programs.

“NOT DETECTED”
This means the transponder did not program.
The next screen will ask you if you want to try again.
Repeat if necessary!

PROGRAM TRANSPONDER
NOT DETECTED

PRESS ENTER KEY

If all the transponders you want to program have been accepted then touch the X.
If you need to try again or program more Transponders touch the check mark.

Please be sure you have the correct FORD prox remote for the vehicles listed in the apps guide that require the ADS-209 software. For example the first prox remote pictured is for an 2012 C-Max & has an CJ in the part number, however in the second picture the part number starts with BA, which does not have the correct frequency & will result in an "NOT DETECTED" message no matter how many times you position it correctly against the transponder learning area. BA or BT are for the Euro Zone. CJ is for the USA market.
# 2011-2016 FORD FIESTA PROX

## SPECIAL FUNCTIONS

**UNLIKE SOME OTHER LATE MODEL ADS-209 PROX VEHICLES THIS IS A ONE STEP PROCESS.**

- **CLEAR / PROGRAM KEYS**
  - Clears all transponders and lets you program in new ones.

- **ADDITIONAL KEYS**
  - Adds transponders without clearing old ones.

- **KEYS PROGRAMMED**
  - Displays how many transponders are programmed.

<table>
<thead>
<tr>
<th>T-CODE SOFTWARE #</th>
<th>CABLE / DONGLE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011-2013 ADS-175</td>
<td>ADC-250 / ADC-251</td>
</tr>
<tr>
<td>2014-2016 ADS-209</td>
<td>L (PINK) DONGLE</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MAX # OF PROX KEYS:</th>
<th>SMART DONGLE?</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>YES</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PROX KEYS:</th>
<th>SECURITY:</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM PROX</td>
<td>10 MINUTE WAIT CAN BE BYPASSED ON 2011-2013. BUT CANNOT BE BYPASSED ON 2014-2016 MODELS.</td>
</tr>
<tr>
<td>Re-usable</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>COMPONENTS MATCHED?</th>
<th>MATCHING CAPABILITY?</th>
</tr>
</thead>
<tbody>
<tr>
<td>IMMO, PCM, RFA &amp; BCM ARE MATCHED</td>
<td>NOT AVAILABLE</td>
</tr>
</tbody>
</table>

## SECURITY LIGHT / THEFT INDICATOR:

- Light should be out at end of procedure.
- If theft light blinks or comes on steady the key/keys have not been accepted.

## TIPS:

- After Programming wait a few seconds before testing keys.

## MORE INFO:

- [FORD Prox, What c...](#)
USE “L” DONGLE OR SD

START HERE:

Select:
+FORD
+USA
+BY VEHICLE
+FIESTA
+PROX

Next Select:
+2011-2013
OR
+2014>

(Select the one you are working on)

LEAVE IGN OFF

PRESS ENTER KEY

ECU IDENTIFICATION

FORD PROX

PRESS ENTER KEY

DIAGNOSTIC MENU

> SPECIAL FUNCTIONS

DIAGNOSTIC MENU

CLEAR / PROGRAM KEYS
ADDITIONAL KEYS
KEYS PROGRAMMED

>>>>>>The Ignition does NOT need to be turned “ON”.>>>>>>

In fact, it stays OFF for the entire procedure>>>>>>>>>>>>>>>>>
2011-2016 FIESTA PROX

Use this method for: CLEAR ERASE KEYS
MAKE SURE TO HAVE 2 KEYS READY!

**DIAGNOSTIC MENU**

- CLEAR / PROGRAM KEYS
- ADDITIONAL KEYS
- KEYS PROGRAMMED

**CLEAR KEYS**

WARNING
ALL KEYS WILL
CLEARED
CONTINUED

- KEYS PROGRAMMED
  - KEYS PROGRAMMED : 3
  - PROG KEYS IN CABIN : 0

**PRESS ENTER KEY**

**KEYS PROGRAMMED**

**PRESS ENTER KEY**

**TIMED ACCESS**

PLEASE WAIT
APPROX 10 MIN
00 m 03 s

**ACCESS GRANTED**

**PRESS ENTER KEY**

**CLEAR KEYS**

IGNITION OFF

**PRESS ENTER KEY**

**CLEAR KEYS**

IGNITION OFF

**PRESS ENTER KEY**

A timer will display the approximate time elapsed.
It’s not unusual for the timer to run past 10 minutes.
Be patient.

NOTE: 2011-2013 FIESTA PROX 10 Min wait CAN BE BYPASSED (requires that your PRO has Smart Card activated and also must have ADS-133 software.)

MAKE SURE YOU HAVE 2 PROX READY
Leave the Ignition “OFF”

Leave the Ignition “OFF”
After CLEAR KEYS
A minimum of 2 keys is required.

Maximum number that
can be programmed is 4.

This screen is telling you what to do next
AFTER you
PRESS ENTER.

Be ready with TWO PROX
that you want to Program.

Holding the PROX near the center console
press and hold the
UNLOCK button on the PROX
for approx. 15 seconds.

If the PROX RKE programs successfully
PROX FOB 1 should be displayed.

Hold the PROX up to the
Steering column.
If the TRANSPONDER Programs Successfully
TRANSPONDER 1 SUCCESS
Should display.

This screen is telling you what to do next
AFTER you PRESS ENTER.

Be ready with TWO PROX
The 2nd PROX you want to program.

Holding the PROX near the center console
Press and hold the UNLOCK button on the PROX
For approx. 15 seconds.

If the PROX RKE programs successfully
PROX FOB 1 should be displayed.

Hold the PROX up to the
Steering column.

When Finished
DISCONNECT THE TESTER AND CHECK THE PROX.

PROGRAM PROX FOB
TRANSPONDER 1 SUCCESS

PRESS ENTER KEY

PROGRAM PROX FOB
WHEN PROMPTED PRESS UNLOCK FOR 15 SEC
ON PROX FOB 2

PRESS ENTER KEY

PROGRAM PROX FOB
PRESS UNLOCK FOR 15 SEC

PRESS ENTER KEY

PROGRAM PROX FOB
PROX FOB 2 SUCCESS

PRESS ENTER KEY

PROGRAM TRANSPONDER
HOLD PROX FOB 2 ON THE FLAT SPOT OF STEERING COLUMN

PRESS ENTER KEY

PROGRAM KEYS
2 KEYS PROGRAMMED DO YOU WANT TO PROGRAM ADDITIONAL KEYS

X ✓
2011-2016 FIESTA PROX

Use this method for: ADDING KEYS

WHEN USING PROGRAM KEYS
MAKE SURE TO HAVE THE NEW KEY YOU ARE ADDING IS THE ONE USED IN THE PROCEDURE

ADDING ADDITIONAL PROX KEYS
Without erasing the old ones:

Start out from the DIAGNOSTIC MENU
(Shown Below)

Select: ADDITIONAL KEYS

 DIAGNOSTIC MENU

CLEAR / PROGRAM KEYS
> ADDITIONAL KEYS
KEYS PROGRAMMED

The Procedure is very similar to ERASING except
Only 1 PROX is required.

Follow the prompts on the tester.
### Special Functions

<table>
<thead>
<tr>
<th>Clear / Program Keys-</th>
<th>T-Code Software #</th>
<th>Cable / Dongle:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clears all transponders and programs 2 keys following the clear process.</td>
<td>ADS-209</td>
<td>ADC-250 / ADC-251 G (Grey) Dongle</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Additional Keys-</th>
<th>Max # of Keys:</th>
<th>Smart Dongle?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adds transponders without clearing old ones.</td>
<td>8</td>
<td>YES</td>
</tr>
</tbody>
</table>

⚠️ Additional Keys function is only available with SD and Bypass, menu option will only work if you have SD.

<table>
<thead>
<tr>
<th>Keys Programmed-</th>
<th>Prox Keys:</th>
<th>Security:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Displays how many transponders are programmed.</td>
<td>OEM Keys w/ 128-bit Transponder Re-usable</td>
<td>NASTF LSID and AD user name &amp; password using AD Q/R Reader app to process INCODE via web. OR BYPASS NOW AVAILABLE USING SMART DONGLE</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>YES</td>
<td>YES</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Security Light / Theft Indicator:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light should be out at end of procedure. If theft light blinks or comes on steady the key/keys have not been accepted.</td>
</tr>
</tbody>
</table>

### TIPS:

- MORE INFO:
### 2013+ FORD FUSION SYSTEM
#### INCODE / OUTCODE
#### PROX MODELS

#### SPECIAL FUNCTIONS

<table>
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<tr>
<th>CLEAR / PROGRAM PROX-</th>
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<th>CABLE / DONGLE:</th>
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<td>ADS-209</td>
<td>ADC-250 / ADC-251</td>
</tr>
<tr>
<td>ADDITIONAL PROX-</td>
<td>MAX # OF PROX KEYS:</td>
<td>G (GREY) DONGLE</td>
</tr>
<tr>
<td>Adds transponders without clearing old ones.</td>
<td>4</td>
<td>YES</td>
</tr>
<tr>
<td><strong>WARNING:</strong> Additional Keys function is only available with SD and Bypass, menu option will only work if you have SD.</td>
<td>PROX KEYS:</td>
<td>SECURITY:</td>
</tr>
<tr>
<td>PROX PROGRAMMED-</td>
<td>OEM KEYS w/ 128-bit TRANSPONDER</td>
<td>NASTF LSID and AD user name &amp; password using AD Q/R Reader app to process INCODE via web. OR BYPASS NOW AVAILABLE USING SMART DONGLE</td>
</tr>
<tr>
<td>Displays how many Transponders are programmed.</td>
<td>Re-usable</td>
<td>COMPONENTS MATCHED?</td>
</tr>
<tr>
<td></td>
<td></td>
<td>YES</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MATCHING CAPABILITY?</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PARAMETER RESET AVAILABLE</td>
</tr>
</tbody>
</table>

#### SECURITY LIGHT / THEFT INDICATOR:

Light should be out at end of procedure. If theft light blinks or comes on steady the key/keys have not been accepted.

---

#### TIPS:

---

#### MORE INFO:

#### PROX LEARNING SLOT LOCATIONS:

- **FUSION, EDGE, 2013 MKZ** - Inside center console.
- **2015 MUSTANG** - slot under cup holder, Inside center console.
- **F-150** - Inside center console, or in tray under rubber matt in front of shifter.
**2013+ FORD FUSION SYSTEM**
**INCODE / OUTCODE - ALL MODELS**

*(NEW PROCEDURE USING BYPASS & SMART DONGLE)*

<table>
<thead>
<tr>
<th>HELPFUL &quot;HOW TO&quot; PROGRAMMING VIDEOS - FORD FUSION BYPASS SOFTWARE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>WATCH VIDEO - 2013 ADD KEY USING BYPASS WITH SMART DONGLE</strong></td>
</tr>
<tr>
<td><img src="image1" alt="Video 1" /></td>
</tr>
<tr>
<td><strong>WATCH VIDEO - 2017 LINCOLN MKZ ADD PROX USING BYPASS WITH SMART DONGLE</strong></td>
</tr>
<tr>
<td><img src="image3" alt="Video 3" /></td>
</tr>
<tr>
<td><strong>WATCH VIDEO - IMPORTANT INFO ABOUT 2017 MODELS</strong></td>
</tr>
<tr>
<td><img src="image5" alt="Video 5" /></td>
</tr>
</tbody>
</table>
2013+ FORD FUSION SYSTEM
INCODE / OUTCODE -ALL MODELS

PROGRAMMING WHEN FACTORY ALARM IS ACTIVATED

- How to disarm the alarm so that you can program 2 PROX remotes.
- If there is a Door Key Pad and you have the code to it. (look in glove box for the code card) use the Key Pad to unlock the doors which disables the alarm.
- FORD, USA, By Vehicle, I.E. Mustang, +2015, Prox. Smart dongle screen or smart card.
- Follow the rest of the screen prompts until you get to the “Clear and program keys” OR “Additional Keys” if just adding a key. Leave the Pro on this screens and STOP there.
- Stay connected but DO NOT move forward because we need to deactivate the alarm. The solution is to put any prox in the reader slot under the cup holder and open the drivers door OR on Keyed Models leave the Key in the ignition with the ignition switched ON.
- This is were you will need to be patient because it takes approximately 10-15 minutes before you will hear 2 chirps from the vehicle.
- Once you have heard the chirps you can press the “Clear & program keys” screen and proceed with the rest of the programming.
- If you don’t wait for the chirps that means your alarm is not truly deactivated and the procedure will fail to move forward.
- The T-Code / MVP Pro loops back to the Clear and Program keys screen.
- Be mindful that after you hear the chirps you have a 1 minute window to complete the programming before the alarm becomes active again.

RECENTLY ADDED INFO FROM TECH SUPPORT :
Known methods of shutting off the factory alarm when active for 13+ Fusion protocol vehicles.
If the vehicle is equipped with an active factory alarm it must be shut off before you can successfully bypass the FORD code via the MVP/TCODE PRO coupled with Smart Dongle. We are going to explain in detail the varies methods used to shut off the alarm. The below methods can be applied to any of the vehicles that require the 13+ Fusion protocol. 2013-17 Ford Fusion, 2013-17 Lincoln MKZ, 2015-16 Lincoln MKC, 2015-16 Ford Mustang, 2015-16 Ford F-150, 2015-16 Ford Edge, 2016 Ford Explorer.
1. To deactivate an active alarm select by vehicle & follow the screen prompts until you get to the “Clear and program keys” screen and STOP there. Stay connected but DO NOT move forward because we need to deactivate the alarm. Put any prox in the reader slot under the cup holder and open the driver’s door. If it’s a keyed ignition put the key in the ignition and turn it to the on postion. At this juncture you will need to be patient because it takes approximately 10-15 minutes before you will hear 2 chirps from the vehicle. Once you have heard the chirps you can press the “Clear & program keys screen and proceed with the rest of the programming. If you don’t wait for the chirps that means your alarm is not truly deactivated and the procedure will fail to move forward. When it fails the T-code/MVP Pro loops back to the Clear and Program keys screen and same applies if using the dealer IDS tool, it boots you out of PATS functions after a second or two. 2. Some of these vehicles come equipped with a door keypad, for example the 2013-2017 Fusion & 15-16 Mustang. If you know the security entry code you can use it to deactivate the alarm system. The keypad code lights up vertically along the door trim located above the door handle. Most often the security code can be found in the glove box with the owners manual. *NOTE-The keypad code can not be read by your MVP/TCODE PRO software.
3. If you are fortunate enough to be working on a rental account you may be in luck because they might be able to provide you with the Keypad code. They will either e-mail or print you a screen that they refer to as the “20 Screen”. It displays the key code at the bottom of the page. On that page next to the key code, you will find an additional 5 digit number, which is your door pad code.
4. There is one other method of finding the keypad code but I warn you to only use it all else fails because it involves a bit of work & time. Located on the left hand lower inside wall behind the carpeting (drivers side of vehicle) is mounted what is referred to as the smart junction box. There’s a size 10 nut holding it in place. On the back of the Smart Junction Box is a white sticker that says “BCM Assembly” and on that same sticker is written “Keycode” with a 5 digit number. That’s the keypad code to the vehicle. You can use a number 10 socket to loosen the nut enough to get a long reach mirror behind the box in order to read the code off the sticker. This is not a method to be used for the 2016-17 model years because there’s a plate on the other side of the smart junction box that obstructs the view of the keypad code number.
### 2013+ FORD FUSION SYSTEM
**INCODE / OUTCODE - ALL MODELS**
*(NEW PROCEDURE USING BYPASS & SMART DONGLE)*
**KEYED MODELS**

**Use this method for: ADDITIONAL KEYS**

**START HERE:**

Select:
- +FORD
- +USA
- +BY VEHICLE
- +PROXIMITY
- OR
- +NON-PROXIMITY

PICK THE EXACT MODEL & YEAR YOU ARE WORKING ON.

<table>
<thead>
<tr>
<th>START HERE:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Select:</strong></td>
</tr>
<tr>
<td>+FORD +USA +BY VEHICLE +PROXIMITY OR +NON-PROXIMITY</td>
</tr>
<tr>
<td>PICK THE EXACT MODEL &amp; YEAR YOU ARE WORKING ON.</td>
</tr>
</tbody>
</table>

**SWITCH IGNITION ON**

**PRESS ENTER KEY**

<table>
<thead>
<tr>
<th><strong>ECU IDENTIFICATION</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>VIN: 3FA6P0H7TER138080</td>
</tr>
<tr>
<td>KEYS PROGRAMMED : 02</td>
</tr>
</tbody>
</table>

**PRESS ENTER KEY**

<table>
<thead>
<tr>
<th><strong>DIAGNOSTIC MENU</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>CLEAR / PROGRAM KEYS</td>
</tr>
<tr>
<td>PARAMETER RESET</td>
</tr>
<tr>
<td>ENABLE CUST KEY PROG</td>
</tr>
<tr>
<td>ENABLE CUST KEY PROG</td>
</tr>
<tr>
<td>&gt;PROGRAM KEYS</td>
</tr>
</tbody>
</table>

**PRESS ENTER KEY**

<table>
<thead>
<tr>
<th><strong>PROGRAM KEY</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>PLEASE WAIT....</td>
</tr>
</tbody>
</table>

**SUCCESS**

**DOOR LOCKS SHOULD CYCLE**

<table>
<thead>
<tr>
<th><strong>DIAGNOSTIC MENU</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>DO YOU WANT TO PROGRAM ANOTHER KEY</td>
</tr>
</tbody>
</table>

**X**

<table>
<thead>
<tr>
<th><strong>IF YOU ARE FINISHED SELECT THE CHECK MARK</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>THIS WILL TAKE YOU BACK TO THE DIAGNOSTIC MENU.</td>
</tr>
</tbody>
</table>

**PRESS ENTER KEY**

<table>
<thead>
<tr>
<th><strong>DIAGNOSTIC MENU</strong></th>
</tr>
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<tbody>
<tr>
<td>CLEAR / PROGRAM KEYS</td>
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</tr>
<tr>
<td>ENABLE CUST KEY PROG</td>
</tr>
<tr>
<td>&gt;PROGRAM KEYS</td>
</tr>
</tbody>
</table>

**PRESS ENTER KEY**

**IT'S ALREADY ON, JUST LEAVE IT**

**IF YOU ARE FINISHED DISCONNECT AND TEST THE KEY.**
**2013+ FORD FUSION SYSTEM**

**INCONE / OUTCODE - ALL MODELS**

- You must have a valid NASTF locksmith ID (L.S.I.D.) and Password
- You must also have a valid username and password to the ADVANCED-DIAGNOSTICS.COM website.
- (Registration normally takes 2-3 days to process)
- Web access is required live at the vehicle.
- A web enabled smart phone is "recommended" using AD Q/R reader.

Using the AD Q/R App will greatly reduce the amount of work entering the OUTCODE that is obtained from the vehicle, speed up the overall process of programming, and greatly reduce the possibility of user error entering the OUTCODE.

If you do not have the AD Q/R App you can use our website to enter the numbers manually but it will be much harder than using the Q/R App.

### Prox Programming Slot Locations:

**Fusion - Programming slot is located in the center console**

**CLEAR KEYS / PROX** - This procedure ERASES all currently programmed keys / prox from the system memory & programs at least 2 keys / Prox into the system.

**WARNING:** Before using ERASE KEYS / PROX you must make sure you have at least 2 properly cut keys system memory & programs at least 2 keys / Prox into the system.

- (Registration normally takes 2-3 days to process)
- Use the AD website to enter the numbers manually but it will be much harder than using the Q/R App.

#### Procedure:

- From the "Vehicle Selection" menu select +FORD / USA / +13> FUSION /
- "Switch Ignition On"
- Place the 1st Key or Prox into the programming slot.
- Touch the Check mark on the screen once you have correctly entered the data.
- **CLEAR KEYS**
- **SUCCESS**
- **ACCESS GAINED**
- **WARNING:** Before using ERASE KEYS / PROX you must make sure you have at least 2 properly cut keys system memory & programs at least 2 keys / Prox into the system.

#### Notes:

- The AD Q/R App is available for Apple phones or Android phones.
- Please visit Advanced-Diagnostics.com for more info.
- The AD Q/R App (shown on the left) is available for Apple phones or Android phones.
- Please visit, Advanced-Diagnostics.com
- Select PRODUCTS then APPS for more info.
- You must have a valid NASTF locksmith ID (L.S.I.D.) and Password.
- You must also have a valid username and password to the ADVANCED-DIAGNOSTICS.COM website.
- Web access is required live at the vehicle.
### SPECIAL FUNCTIONS

**ERASE / PROGRAM PROX**
- Clears all PROX from memory & Programs 2 PROX.

⚠️ **HAVE 2 PROX READY IF ERASING. AS 2 PROX WILL BE NEEDED.**
- Make certain they are the correct part nos. prox and make certain the battery in them is good.

**PROGRAM PROX**
- ADDS PROX into memory.

As long as there are at least 2 prox programmed
You can add PROX by using PROGRAM PROX.
You will only need the PROX you are ADDING.

**PROX PROGRAMMED**
- Displays how many PROX are currently programmed.

**TIPS:**
- One step procedure, prox program in along with prox RKE buttons all at the same time.

<table>
<thead>
<tr>
<th>T-CODE SOFTWARE #</th>
<th>CABLE / DONGLE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADS-257</td>
<td>SD ONLY / ADC-250 or ADC-251</td>
</tr>
</tbody>
</table>

**MAX # OF KEYS:**
- 8

**PROX KEYS:**
- OEM PROX
  - Several different part nos. and fcc used on different models.
  - Suggestion: check original part nos if available to make sure any new parts are correct.

**SECURITY:**
- Security is bypassed by the software

**COMPONENTS MATCHED?**
- YES , BCM / PCM / RFA

**MATCHING CAPABILITY?**
- NO Parameter Reset is available.

**SECURITY LIGHT / THEFT INDICATOR:**
- Light should be out at end of procedure.
- If theft light blinks or comes on steady the key/keys have not been accepted.

### MORE INFO:

**USE OF THIS NEW SOFTWARE**
- **REQUIRES**
  - SMART DONGLE

**PROX SLOT LOCATIONS:**

**FOCUS ST PROX**

1. Open center console
2. Remove rubber tray
3. Place prox as shown

**FOCUS & ESCAPE TITANIUM**

Center Console as shown.
**FOCUS ST PROX / ESCAPE FOCUS TITANIUM PROX SYSTEMS**

*Use this method for: ERASING PROX - 2 Prox required for erasing*

**ERASE IS OPTIONAL - DO NOT ERASE UNLESS YOU WANT TO ERASE ALL KEYS**

MAKE SURE YOU HAVE 2 PROX READY

THEN START HERE:

Select:

+FORD
+USA
+BY VEHICLE
+ FOCUS OR ESCAPE
(Choose the model you are working on.)
+PROX
+2014 or 2014-2016 or 2017
(Choose the exact one you are working on by VIN not prod date.)

For FOCUS ST select FOCUS ST.
For FOCUS & ESCAPE TITANIUM select TITANIUM from the menus.

>>>>>>The Ignition does NOT need to be turned “ON”.>>>>>>

In fact, it stays OFF for the entire procedure>>>>>>>>>

>>>SEE PREVIOUS PAGE FOR ALTERNATIVE PROX SLOT LOCATIONS.>>>

MAKE SURE A PROX IS PLACED IN THE SLOT.

**LEAR**

**LEAVE IGN OFF**

PRESS ENTER KEY

**ECU IDENTIFICATION**

VIN : 1FMCU0JDXHC19568
PART NO. F1CT-19G481-AJ
KEYS: 2

PRESS ENTER KEY

**DIAGNOSTIC MENU**

ECU IDENTIFICATION

> SPECIAL FUNCTIONS

PRESS ENTER KEY

**DIAGNOSTIC MENU**

> CLEAR / PROGRAM PROX

PROGRAM PROX
PROX PROGRAMMED

PRESS ENTER KEY

**DIAGNOSTIC MENU**

WARNING

ALL KEYS WILL BE CLEARED, CONTINUE?

X ✔

PRESS ENTER KEY

**WARNING**

A MINIMUM OF 2 KEYS REQUIRED TO BE PROGRAMMED BEFORE THE VEHICLE WILL START

PRESS ENTER KEY

>>>>>>This means if you erase, 2 keys need to go back into memory before the the car will run.>>>>>>

**PROGRAM PROX**

KEYS PROGRAMMED: 01

DO YOU WANT TO PROGRAM ANOTHER KEY?

X ✔

PRESS ENTER KEY

**CODED ACCESS**

SECURITY WAIT TIME
THIS CAN TAKE UP TO 8 MINUTES

CONNECT BATTERY CHARGER
PLEASE WAIT....

PRESS ENTER KEY

Continue on NEXT PAGE>>>>>
FOCUS ST PROX / ESCAPE FOCUS TITANIUM
PROX SYSTEMS

Use this method for: ERASING PROX - Continued

Program Prox

<table>
<thead>
<tr>
<th>Keys Programmed: 02</th>
</tr>
</thead>
<tbody>
<tr>
<td>Do you want to program another key?</td>
</tr>
</tbody>
</table>

X  

Continue along until you have programmed all the Prox you wish to program...up to a max. of 8 Prox total.

Procedure complete

Press enter key
PLACE A PROX TO BE PROGRAMMED INTO THE LEARNING AREA

THEN START HERE:
Select:
+FORD
+USA
+BY VEHICLE
+ FOCUS OR ESCAPE
(Choose the model you’re working on.)
+PROX
+2014 or 2014-2016 or 2017
(Choose the exact one you’re working on by VIN not prod date.)

For FOCUS ST select FOCUS ST.
For FOCUS & ESCAPE TITANIUM select TITANIUM from the menus.

>>>>>>The Ignition does NOT need to be turned “ON”.>>>>>>

In fact, it stays OFF for the entire procedure>>>>>>>>>

PLACE A PROX TO BE PROGRAMMED INTO THE LEARNING AREA

ECU IDENTIFICATION

PRESS ENTER KEY

MAKE SURE A PROX IS PLACED IN THE SLOT.

Before programming note the number of keys currently in the system.

PROCEDURE COMPLETE

PRESS ENTER KEY
### FORD - REMOTES & KEYPAD READING FUNCTIONS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>YEAR</th>
<th>TYPE</th>
<th>DONGLE</th>
<th>AVAILABLE FUNCTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>TAURUS PROX</td>
<td>09-12</td>
<td>REMOTES 9</td>
<td>L / SD</td>
<td>KEYPAD CODE</td>
</tr>
<tr>
<td>TAURUS X</td>
<td>08-09</td>
<td>REMOTES 6</td>
<td>E / SD</td>
<td>KEYPAD CODE</td>
</tr>
<tr>
<td>WINDSTAR</td>
<td>01-03</td>
<td>REMOTES 2</td>
<td>A / SD</td>
<td>ERASE / PROGRAM / KEYPAD CODE / TEST</td>
</tr>
</tbody>
</table>

### LINCOLN - REMOTES & KEYPAD READING FUNCTIONS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>YEAR</th>
<th>TYPE</th>
<th>DONGLE</th>
<th>AVAILABLE FUNCTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONTINENTAL</td>
<td>95-02</td>
<td>REMOTES 2</td>
<td>A / SD</td>
<td>ERASE / PROGRAM / KEYPAD CODE / TEST</td>
</tr>
<tr>
<td>LS</td>
<td>99-02</td>
<td>REMOTES 1</td>
<td>A / SD</td>
<td>ERASE / PROGRAM / KEYPAD CODE / TEST</td>
</tr>
<tr>
<td>LS</td>
<td>00-06</td>
<td>REMOTES 2</td>
<td>A / SD</td>
<td>ERASE / PROGRAM / KEYPAD CODE / TEST</td>
</tr>
<tr>
<td>LS</td>
<td>03-06</td>
<td>REMOTES 5</td>
<td>A / SD</td>
<td>KEYPAD CODE / TEST</td>
</tr>
<tr>
<td>MARK VIII</td>
<td>97-98</td>
<td>REMOTES 5</td>
<td>A / SD</td>
<td>KEYPAD CODE / TEST</td>
</tr>
<tr>
<td>MKX</td>
<td>07-08</td>
<td>REMOTES 6</td>
<td>E / SD</td>
<td>KEYPAD CODE</td>
</tr>
<tr>
<td>MKX PROX</td>
<td>09-12</td>
<td>REMOTES 9</td>
<td>L / SD</td>
<td>KEYPAD CODE</td>
</tr>
<tr>
<td>MKZ</td>
<td>07-11</td>
<td>REMOTES 6</td>
<td>E / SD</td>
<td>KEYPAD CODE</td>
</tr>
<tr>
<td>NAVIGATOR</td>
<td>98-02</td>
<td>REMOTES 3</td>
<td>A / SD</td>
<td>KEYPAD CODE / TEST</td>
</tr>
<tr>
<td>NAVIGATOR</td>
<td>05-07</td>
<td>REMOTES 7</td>
<td>E / SD</td>
<td>KEYPAD CODE</td>
</tr>
<tr>
<td>NAVIGATOR</td>
<td>08-10</td>
<td>REMOTES 6</td>
<td>E / SD</td>
<td>KEYPAD CODE</td>
</tr>
<tr>
<td>TOWNCAR</td>
<td>95-97</td>
<td>REMOTES 1</td>
<td>A / SD</td>
<td>ERASE / PROGRAM / KEYPAD CODE / TEST</td>
</tr>
<tr>
<td>TOWNCAR</td>
<td>98-02</td>
<td>REMOTES 2</td>
<td>A / SD</td>
<td>ERASE / PROGRAM / KEYPAD CODE / TEST</td>
</tr>
<tr>
<td>TOWNCAR</td>
<td>03-05</td>
<td>REMOTES 2</td>
<td>A / SD</td>
<td>KEYPAD CODE</td>
</tr>
<tr>
<td>TOWNCAR</td>
<td>06-11</td>
<td>REMOTES 5</td>
<td>A / SD</td>
<td>KEYPAD CODE</td>
</tr>
<tr>
<td>ZEPHYR</td>
<td>06</td>
<td>REMOTES 6</td>
<td>E / SD</td>
<td>KEYPAD CODE</td>
</tr>
</tbody>
</table>

### MERCURY - REMOTES & KEYPAD READING FUNCTIONS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>YEAR</th>
<th>TYPE</th>
<th>DONGLE</th>
<th>AVAILABLE FUNCTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRAND MARQUIS</td>
<td>95-04</td>
<td>REMOTES 1</td>
<td>A / SD</td>
<td>ERASE / PROGRAM / KEYPAD CODE / TEST</td>
</tr>
<tr>
<td>GRAND MARQUIS</td>
<td>05-11</td>
<td>REMOTES 2</td>
<td>A / SD</td>
<td>KEYPAD CODE</td>
</tr>
<tr>
<td>GRAND MARQUIS</td>
<td>10-11</td>
<td>REMOTES 5</td>
<td>A / SD</td>
<td>KEYPAD CODE</td>
</tr>
<tr>
<td>MARAUDER</td>
<td>03-04</td>
<td>REMOTES 1</td>
<td>A / SD</td>
<td>ERASE / PROGRAM / KEYPAD CODE / TEST</td>
</tr>
<tr>
<td>MARAUDER</td>
<td>05-08</td>
<td>REMOTES 6</td>
<td>E / SD</td>
<td>KEYPAD CODE</td>
</tr>
<tr>
<td>MILAN</td>
<td>06-11</td>
<td>REMOTES 6</td>
<td>E / SD</td>
<td>KEYPAD CODE</td>
</tr>
<tr>
<td>MONTEGO</td>
<td>05-07</td>
<td>REMOTES 6</td>
<td>E / SD</td>
<td>KEYPAD CODE</td>
</tr>
<tr>
<td>MOUNTAINEER</td>
<td>97-01</td>
<td>REMOTES 3</td>
<td>A / SD</td>
<td>KEYPAD CODE / TEST</td>
</tr>
<tr>
<td>SABLE</td>
<td>96-99</td>
<td>REMOTES 3</td>
<td>A / SD</td>
<td>KEYPAD CODE / TEST</td>
</tr>
<tr>
<td>SABLE</td>
<td>04-07</td>
<td>REMOTES 6</td>
<td>E / SD</td>
<td>KEYPAD CODE / TEST</td>
</tr>
</tbody>
</table>
ALL FORD-LINCOLN-MERCURY KEYPAD FUNCTIONS
START HERE:

Select:
+FORD
+USA
+BY SYSTEM
+REMOTES

NEXT SELECT THE TYPE
(USE THE COVERAGE CHART TO DETERMINE WHICH ONE TO PICK)

ECU IDENTIFICATION
KEYLS. ENT. CODE: 35559
REMOTE 1: 2FDE9642
REMOTE 2: 2BC6B1A2
REMOTE 3: 00000000
REMOTE 4: 00000000
PRESS ENTER KEY

HERE'S ARE TWO EX-
AMPLES OF WHAT THE
SYSTEMS WILL GIVE YOU.
EACH TYPE VARIES
SLIGHTLY.

ECU IDENTIFICATION
KEYLS. ENT. CODE: 13377
REMOTE DATA
NOT AVAILABLE
PRESS ENTER KEY

NEXT IS USUALLY A
“SPECIAL FUNCTIONS”
SCREEN.
HERE IS AN EXAMPLE OF A
KEYPAD TEST

Here is an example of TYPE
1 remote programming.

DIAGNOSTIC MENU
ERASE REMOTES
> PROGRAM REMOTE
CURR. REMOTE
KEYPAD TEST

PROGRAM REMOTE
ENTER REMOTE NO. #

Note: There are 4 memory
positions: 1, 2, 3 & 4
Enter a number to fill a mem-
ory position for the remote
you would like to program.

PROGRAM REMOTE
ENTER REMOTE NO. #
CURR. REMOTE: 00000000
PRESS & RELEASE REMOTE
AND THEN PRESS ENTER

PROGRAM REMOTE
ENTER REMOTE NO. #
CURR. REMOTE: 549291EA
PRESS & RELEASE REMOTE
AND THEN PRESS ENTER

Note: The Remote is now
programmed. You can
program more remotes or
disconnect from car.

Here is a KEYPAD TEST.
These functions can be very
useful for diagnosing prob-
lems with the system.

PROGRAM REMOTE
PRESS REMOTE

PROGRAM REMOTE
PRESS REMOTE
REMOTE X: 549291EA
PRESS ENTER KEY

Once you press a button
on the Keypad, the button
number will appear on the
screen.
If a button number appears
and you are not pressing a
button, that button is dam-
aged and the whole keypad
needs to be replaced.

PROGRAM REMOTE
PRESS REMOTE

Here is an example of
what will appear on the
screen as each button
is pressed.
GM USA SECTION

Buick / Cadillac / Chevrolet / GMC / Oldsmobile / Pontiac / Saturn

T-CODE SOFTWARE PACKS:

GM USA Basic (ADS-138)
GM CAN (ADS-139)
GM Proximity (ADS-187)
GM 2014 (ADS-223)

(Software names generally refer to the date of release on the T-CODE not the years of vehicles covered).
## 2007-2016 Acadia (GMC)

<table>
<thead>
<tr>
<th>System</th>
<th>Select by Vehicle</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>ILCO</td>
<td>B111-PT ⊕</td>
<td>Yes</td>
<td>No</td>
<td>Not Needed</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>K-Brown Or SD</td>
</tr>
</tbody>
</table>

### Note
- PIN Read possible using (E) Yellow, 50/50, otherwise obtain from dealer or NASTF.

## 2008 Astra (Saturn)

<table>
<thead>
<tr>
<th>System</th>
<th>Select by Vehicle</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM</td>
<td>Dealer Key</td>
<td>Yes</td>
<td>Yes</td>
<td>Dealer Pin Required</td>
</tr>
<tr>
<td></td>
<td>GM Part# 93192428</td>
<td></td>
<td></td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

## 2013-2016 ATS with Prox (Cadillac)

<table>
<thead>
<tr>
<th>System</th>
<th>Select by Vehicle</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>STRATTEC</td>
<td>Check with dealer</td>
<td>Yes</td>
<td></td>
<td>K-Brown Or SD</td>
</tr>
<tr>
<td></td>
<td>for correct part</td>
<td></td>
<td></td>
<td>Or SD</td>
</tr>
<tr>
<td></td>
<td>to use</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Note
- 4 Digit Pin & 12 Minute Wait Possible on Most Gas Engines

## 2007-2009 Aura (Saturn)

<table>
<thead>
<tr>
<th>System</th>
<th>Select by Vehicle</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>ILCO</td>
<td>B111-PT ⊕</td>
<td>Yes</td>
<td>No</td>
<td>Not Needed</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>K-Brown Or SD</td>
</tr>
</tbody>
</table>

## 2001-2003 Aurora (Oldsmobile)

<table>
<thead>
<tr>
<th>System</th>
<th>Select by Vehicle</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>ILCO</td>
<td>B99-PT</td>
<td>Yes</td>
<td>No</td>
<td>Not Needed</td>
</tr>
<tr>
<td></td>
<td>Type 1</td>
<td></td>
<td></td>
<td>C-Green Or SD</td>
</tr>
</tbody>
</table>

### Note
- At the start of the procedure when the tester asks you to turn the ignition OFF then back on a couple of times, just leave the ignition ON as you go thru these screens & press ENTER. Otherwise, communication will fail.

## 2007-2013 Avalanche (Chevy)

<table>
<thead>
<tr>
<th>System</th>
<th>Select by Vehicle</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>ILCO</td>
<td>B111-PT ⊕</td>
<td>Yes</td>
<td>No</td>
<td>Not Needed</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>K-Brown Or SD</td>
</tr>
</tbody>
</table>

## 2001-2005 Aztek (Pontiac)

<table>
<thead>
<tr>
<th>System</th>
<th>Select by Vehicle</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>ILCO</td>
<td>B99-PT</td>
<td>Yes</td>
<td>No</td>
<td>Not Needed</td>
</tr>
<tr>
<td></td>
<td>Type 1</td>
<td></td>
<td></td>
<td>C-Green Or SD</td>
</tr>
</tbody>
</table>

### Programming Note
- At the start of the procedure when the tester asks you to turn the ignition OFF then back on a couple of times, just leave the ignition ON as you go thru these screens & press ENTER. Otherwise, communication will fail.
### 2000-2005 Bonneville (Pontiac) - ADS-138

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>B99-PT</td>
<td></td>
<td></td>
<td>Yes</td>
<td>No</td>
<td>C-Green</td>
</tr>
</tbody>
</table>

**Programming Note:** At the start of the procedure when the tester asks you to turn the ignition OFF then back on a couple of times, just leave the ignition ON as you go thru these screens & press ENTER. Otherwise, communication will fail.

### 2013-2015 Camaro with Keyed Ign. (Chevrolet) - ADS-223

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>4 Digit Pin &amp; 12 Minute Wait</td>
<td>Possible on Most Gas Engines</td>
<td>K-Brown</td>
</tr>
</tbody>
</table>

### 2012 Camaro (Chevy) - ADS-187

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>4 Digit Pin &amp; 12 Minute Wait</td>
<td>Possible on Most Gas Engines</td>
<td>K-Brown</td>
</tr>
</tbody>
</table>

### 2010-2011 Camaro (Chevy) - ADS-187

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>4 Digit Pin &amp; 12 Minute Wait</td>
<td>Possible except on 3.6L V6</td>
<td>K-Brown</td>
</tr>
</tbody>
</table>

### 2012-2015 Captiva (Chevy) - ADS-139

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>B114-PT ⊕</td>
<td></td>
<td></td>
<td>Yes</td>
<td>No</td>
<td>K-Brown</td>
</tr>
</tbody>
</table>

### 1997-2001 Catera (Cadillac) - ADS-100

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer Key is Required GM Part# 90541902</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Yes</td>
<td>Might be possible</td>
<td>A-Black</td>
</tr>
</tbody>
</table>

### 2006-2010 Cobalt (Chevy) - ADS-139

<table>
<thead>
<tr>
<th>STRATTEC / ILCO /</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>B111-PT ⊕</td>
<td></td>
<td></td>
<td>Yes</td>
<td>No</td>
<td>K-Brown</td>
</tr>
</tbody>
</table>

### 2015-2016 Colorado with Keyed Ign. (Chevy) - ADS-223

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle or Equinox</td>
<td>Yes</td>
<td>Yes</td>
<td>Possible on Most Gas Engines</td>
<td>K-Brown</td>
</tr>
</tbody>
</table>
### 2014-2015 CORVETTE STINGRAY WITH PROX (Buick)

<table>
<thead>
<tr>
<th>Year</th>
<th>Model</th>
<th>OEM System</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014-2015</td>
<td>CORVETTE STINGRAY</td>
<td>Check with dealer or distributor for correct part to use</td>
<td>Yes</td>
<td>4 Digit Pin &amp; 12 Minute Wait</td>
<td>K-Brown Or SD</td>
</tr>
</tbody>
</table>

### 2005-2013 CORVETTE WITH PROX (Chevy)

<table>
<thead>
<tr>
<th>Year</th>
<th>Model</th>
<th>OEM System</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>2005-2007</td>
<td>CORVETTE WITH PROX</td>
<td>'RCDLR' SYSTEM</td>
<td>Yes</td>
<td>No</td>
<td>C-Green Or SD</td>
</tr>
</tbody>
</table>

### 2014-2016 CRUZE WITH PROX (Chevy)

<table>
<thead>
<tr>
<th>Year</th>
<th>Model</th>
<th>OEM System</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014-2016</td>
<td>CRUZE WITH PROX</td>
<td>4 Button PEPS: 5912872</td>
<td>Yes</td>
<td>Yes</td>
<td>K-Brown Or SD</td>
</tr>
</tbody>
</table>

### 2012-2013 CRUZE WITH PROX (Chevy)

<table>
<thead>
<tr>
<th>Year</th>
<th>Model</th>
<th>OEM System</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011-2016</td>
<td>CRUZE WITH KEYED IGN.</td>
<td>4 Button Rem. Key: 5912543</td>
<td>Yes</td>
<td>Yes</td>
<td>K-Brown Or SD</td>
</tr>
</tbody>
</table>

### 2014-2015 CTS WITH PROX (Cadillac)

<table>
<thead>
<tr>
<th>Year</th>
<th>Model</th>
<th>OEM System</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008-2013</td>
<td>CTS WITH MECHANICAL IGNITION</td>
<td>Check with dealer or distributor for correct part to use</td>
<td>Yes</td>
<td>4 Digit Pin &amp; 12 Minute Wait</td>
<td>K-Brown Or SD</td>
</tr>
</tbody>
</table>

### Additional Information:
- Check with dealer or distributor for correct part to use.
- 4 Button PEPS: 5912872
- 5 Button PEPS: 5912873
- 4 Button Rem. Key: 5912543
- 5 Button Rem. Key: 5912545
- Possible on Most Gas Engines.
- 2014-2016 requires ADS-223.
<table>
<thead>
<tr>
<th>Model Year</th>
<th>Make</th>
<th>Model</th>
<th>System</th>
<th>SMART Card PIN Required</th>
<th>PIN Read</th>
<th>Dongle Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>2003-2007</td>
<td>CADILLAC</td>
<td>CTS</td>
<td>ILCO</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>2000-2005</td>
<td>CADILLAC</td>
<td>DEVILLE</td>
<td>ILCO</td>
<td>Select by Vehicle</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>2006-2011</td>
<td>CADILLAC</td>
<td>DTS</td>
<td>ILCO</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>2008-2017</td>
<td>BUICK</td>
<td>ENCLAVE</td>
<td>ILCO</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>2013-2015</td>
<td>BUICK</td>
<td>ENCORE WITH KEYED IGN.</td>
<td>OEM</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>4 Digit Pin &amp; 12 Minute Wait</td>
</tr>
<tr>
<td>2010-2016</td>
<td>CHEVY</td>
<td>EQUINOX</td>
<td>STRATTEC</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>2007-2009</td>
<td>CHEVY</td>
<td>EQUINOX</td>
<td>ILCO</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>2015-2016</td>
<td>CADILLAC</td>
<td>ESCALADE WITH PROX</td>
<td>OEM</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>4 Digit Pin &amp; 12 Minute Wait</td>
</tr>
</tbody>
</table>

**Notes:**
- Check with dealer or distributor for correct part to use.
- 4 Digit Pin & 12 Minute Wait.
### 2007-2014 ESCALADE (CADILLAC)

<table>
<thead>
<tr>
<th>STRATTEC / ILCO /</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>B111-PT ⊕</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>Not Needed</td>
<td>K-Brown Or SD</td>
</tr>
</tbody>
</table>

**Programming Note:** The only thing that has changed on these from 07-14 is the KEY.

### 2015-2016 EXPRESS VAN (CHEVY)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>B120-PT</td>
<td>Select by Vehicle 2008-2014</td>
<td>Yes</td>
<td>No</td>
<td>Not Needed</td>
<td>K-Brown Or SD</td>
</tr>
</tbody>
</table>

### 2008-2014 EXPRESS VAN (CHEVY)

<table>
<thead>
<tr>
<th>STRATTEC / ILCO /</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>B111-PT ⊕</td>
<td>Select by Vehicle 2008-2014</td>
<td>Yes</td>
<td>No</td>
<td>Not Needed</td>
<td>K-Brown Or SD</td>
</tr>
</tbody>
</table>

### 2007-2010 G5 (PONTIAC)

<table>
<thead>
<tr>
<th>STRATTEC / ILCO /</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>B111-PT ⊕</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>Not Needed</td>
<td>K-Brown Or SD</td>
</tr>
</tbody>
</table>

### 2005-2010 G6 (PONTIAC)

<table>
<thead>
<tr>
<th>STRATTEC / ILCO /</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>B111-PT ⊕</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>Not Needed</td>
<td>K-Brown Or SD</td>
</tr>
</tbody>
</table>

### 2008-2009 G8 (PONTIAC)

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type 4</td>
<td>Yes</td>
<td>No</td>
<td>Not Needed</td>
<td>K-Brown Or SD</td>
<td></td>
</tr>
</tbody>
</table>

### 2004-2008 GRAND PRIX (PONTIAC)

<table>
<thead>
<tr>
<th>STRATTEC</th>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>PT04-PT</td>
<td>Type 3</td>
<td>Yes</td>
<td>No</td>
<td>Not Needed</td>
<td>C-Green Or SD</td>
<td></td>
</tr>
</tbody>
</table>
## 2000-2003 GRAND PRIX (PONTIAC)

<table>
<thead>
<tr>
<th></th>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ILCO</td>
<td>SYSTEM SMART</td>
<td>PIN Required</td>
<td>PIN Read</td>
<td></td>
<td>PRO Dongle</td>
</tr>
<tr>
<td></td>
<td>BT03-PT</td>
<td>Type 1</td>
<td>Yes</td>
<td>No</td>
<td>Not Needed</td>
<td>C-Green Or SD</td>
</tr>
</tbody>
</table>

**Programming Note:** At the start of the procedure when the tester asks you to turn the ignition OFF then back on a couple of times, just leave the ignition ON as you go thru these screens & press ENTER. Otherwise, communication will fail.

## 2004-2006 GTO (PONTIAC)

<table>
<thead>
<tr>
<th></th>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>OEM Remote head 92123129</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Yes</td>
<td>Use PIN READ Function</td>
<td>D Blue</td>
</tr>
<tr>
<td></td>
<td>OEM Key blade 94860087</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>OEM Screws 92138596</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## 2008-2009 H2 (HUMMER)

<table>
<thead>
<tr>
<th></th>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>STRATTEC / ILCO /</td>
<td>Type 2</td>
<td>Yes</td>
<td>No</td>
<td>Not Needed</td>
<td>C-Green Or SD</td>
</tr>
<tr>
<td></td>
<td>B111-PT ⊕</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## 2006-2011 HHR (CHEVY)

<table>
<thead>
<tr>
<th></th>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>STRATTEC / ILCO /</td>
<td></td>
<td>Yes</td>
<td>No</td>
<td>Not Needed</td>
<td>K-Brown Or SD</td>
</tr>
<tr>
<td></td>
<td>B111-PT ⊕</td>
<td>Select by Vehicle</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## 2014-2016 IMPALA WITH KEYED IGN. (CHEVROLET)

<table>
<thead>
<tr>
<th></th>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>4 Digit Pin &amp; 12 Minute Wait</td>
<td>Possible on Most Gas Engines</td>
<td>K-Brown Or SD</td>
</tr>
</tbody>
</table>

## 2014-2016 IMPALA WITH PROX (CHEVROLET)

<table>
<thead>
<tr>
<th></th>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select By Vehicle</td>
<td>Yes</td>
<td>4 Digit Pin &amp; 12 Minute Wait</td>
<td>Possible on Most Gas Engines</td>
<td>K-Brown Or SD</td>
</tr>
</tbody>
</table>

## 2006-2013 IMPALA (CHEVY)

<table>
<thead>
<tr>
<th></th>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ILCO</td>
<td>SYSTEM SMART</td>
<td>PIN Required</td>
<td>PIN Read</td>
<td></td>
<td>PRO Dongle</td>
</tr>
<tr>
<td></td>
<td>B111-PT ⊕</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>Not Needed</td>
<td>K-Brown Or SD</td>
</tr>
</tbody>
</table>
### 2013-2015 LaCROSSE With PROX (Buick)
- **Model**: LaCROSSE
- **OEM**: ADS-223
- **System**: Pin Required
- **Pin Read**: PRO Dongle
- **Select by Vehicle**: Yes
- **4 Digit Pin & 12 Minute Wait**: Possible on Most Gas Engines
- **Key**: K-Brown Or SD
- **Check with dealer or distributor for correct part to use**

### 2013-2015 LaCROSSE With KEYED IGN. (Buick)
- **Model**: LaCROSSE
- **OEM**: ADS-223
- **System**: Pin Required
- **Pin Read**: PRO Dongle
- **Select by Vehicle**: Yes
- **4 Digit Pin & 12 Minute Wait**: Possible on Most Gas Engines
- **Key**: K-Brown Or SD
- **Check with dealer or distributor for correct part to use**

### 2010-2012 LACROSSE With PROX (Buick)
- **Model**: LaCROSSE
- **OEM**: ADS-187
- **System**: Pin Required
- **Pin Read**: PRO Dongle
- **Select by Vehicle**: Yes
- **4 Digit Pin & 12 Minute Wait**: Possible except V4 1.2L
- **Key**: K-Brown Or SD
- **4 Button PEPS**: 5912558
- **5 Button PEPS**: 5912559
- **Check with dealer or distributor for correct part to use**

### 2010-2012 LACROSSE With KEYED IGN (Buick)
- **Model**: LaCROSSE
- **OEM**: ADS-187
- **System**: Pin Required
- **Pin Read**: PRO Dongle
- **Select by Vehicle**: Yes
- **4 Digit Pin & 12 Minute Wait**: Possible except V4 1.2L
- **Key**: K-Brown Or SD
- **4 Button Rem. Key**: 5912555
- **5 Button Rem. Key**: 5912556
- **Check with dealer or distributor for correct part to use**

### 2005-2009 LACROSSE (Buick)
- **Model**: LaCROSSE
- **OEM**: ADS-139
- **System**: Pin Required
- **Pin Read**: PRO Dongle
- **Select by Vehicle**: Yes
- **4 Digit Pin & 12 Minute Wait**: Not Needed
- **Key**: K-Brown Or SD
- **4 Button Rem. Key**: 5912555
- **5 Button Rem. Key**: 5912556
- **Check with dealer or distributor for correct part to use**

### 2000-2005 LESABRE (Buick)
- **Model**: LESABRE
- **OEM**: ADS-138
- **System**: Pin Required
- **Pin Read**: PRO Dongle
- **Select by Vehicle**: Yes
- **4 Digit Pin & 12 Minute Wait**: Not Needed
- **Key**: C-Green Or SD
- **Type**: 1

### Programming Note:
At the start of the procedure when the tester asks you to turn the ignition OFF then back on a couple of times, just leave the ignition ON as you go thru these screens & press ENTER. Otherwise, communication will fail.

### 2006-2011 LUCERNE (Buick)
- **Model**: LUCERNE
- **OEM**: ADS-139
- **System**: Pin Required
- **Pin Read**: PRO Dongle
- **Select by Vehicle**: Yes
- **4 Digit Pin & 12 Minute Wait**: Not Needed
- **Key**: K-Brown Or SD
- **4 Button Rem. Key**: 5912543
- **5 Button Rem. Key**: 5912545
- **Check with dealer or distributor for correct part to use**

### 2013-2016 MALIBU With KEYED IGN. (Chevrolet)
- **Model**: MALIBU
- **OEM**: ADS-223
- **System**: Pin Required
- **Pin Read**: PRO Dongle
- **Select by Vehicle**: Yes
- **4 Digit Pin & 12 Minute Wait**: Possible on Most Gas Engines
- **Key**: K-Brown Or SD
- **4 Button Rem. Key**: 5912543
- **5 Button Rem. Key**: 5912545
- **Check with dealer or distributor for correct part to use**
### 2013-2016 Malibu Classic (Chevy) (2012 Body Style) | ADS-139
<table>
<thead>
<tr>
<th>STRATTEC / ILCO / SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>B111-PT ⊕</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>K-Brown Or SD</td>
</tr>
</tbody>
</table>

### 2004-2012 Malibu (Chevy) | ADS-139
<table>
<thead>
<tr>
<th>ILCO SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>B111-PT ⊕</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>K-Brown Or SD</td>
</tr>
</tbody>
</table>

### 2005-2008 Montana SV6 (Pontiac) | ADS-139
<table>
<thead>
<tr>
<th>ILCO SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>B97-PT</td>
<td>Type 3</td>
<td>Yes</td>
<td>No</td>
<td>K-Brown Or SD</td>
</tr>
</tbody>
</table>

**Note:** Check model for keyway used.

### 2005-2008 Montana SV6 (Pontiac) | ADS-139
<table>
<thead>
<tr>
<th>ILCO SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>PT04-PT</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>K-Brown Or SD</td>
</tr>
</tbody>
</table>

**Note:** Check model for keyway used.

### 1999-2004 Montana (Pontiac) | ADS-138
<table>
<thead>
<tr>
<th>ILCO SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>B97-PT</td>
<td>Type 1</td>
<td>Yes</td>
<td>No</td>
<td>C-Green Or SD</td>
</tr>
</tbody>
</table>

**Programming Note:** At the start of the procedure when the tester asks you to turn the ignition OFF then back on a couple of times, just leave the ignition ON as you go thru these screens & press ENTER. Otherwise, communication will fail.

### 2006-2007 Monte Carlo (Chevy) | ADS-139
<table>
<thead>
<tr>
<th>ILCO SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>B111-PT ⊕</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>K-Brown Or SD</td>
</tr>
</tbody>
</table>

### 2007-2009 Outlook (Saturn) | ADS-139
<table>
<thead>
<tr>
<th>ILCO SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>B111-PT ⊕</td>
<td>Select by Vehicle Type 4</td>
<td>Yes</td>
<td>No</td>
<td>K-Brown Or SD</td>
</tr>
</tbody>
</table>
### 1997-2005 PARK AVE (Buick)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
<th>ADS-138</th>
</tr>
</thead>
<tbody>
<tr>
<td>B97-PT</td>
<td>Type 1</td>
<td>Yes</td>
<td>No</td>
<td>Not Needed</td>
<td>C-Green</td>
<td></td>
</tr>
</tbody>
</table>

**Programming Note:** At the start of the procedure when the tester asks you to turn the ignition OFF then back on a couple of times, just leave the ignition ON as you go thru these screens & press ENTER. Otherwise, communication will fail.

### 2013-2015 REGAL WITH PROX (Buick)

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Engine Type (8th Digit of VIN)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>4 Digit Pin &amp; 12 Minute Wait</td>
<td>Possible on Most Gas Engines</td>
<td></td>
</tr>
</tbody>
</table>

### 2013-2015 REGAL WITH KEYED IGN. (Buick)

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Engine Type (8th Digit of VIN)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>4 Digit Pin &amp; 12 Minute Wait</td>
<td>Possible on Most Gas Engines</td>
<td></td>
</tr>
</tbody>
</table>

See [www.advanced-diagnostics.com](http://www.advanced-diagnostics.com) I/Q App for more info on Pin Reading.

### 2011-2012 REGAL WITH PROX (Buick)

<table>
<thead>
<tr>
<th>STRATTEC</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Engine Type (8th Digit of VIN)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 Button PEPS: 5912558 5 Button PEPS: 5912559 Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>4 Digit Pin &amp; 12 Minute Wait</td>
<td>Possible</td>
<td></td>
</tr>
</tbody>
</table>

### 2011-2012 REGAL WITH KEYED IGN. (Buick)

<table>
<thead>
<tr>
<th>STRATTEC</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Engine Type (8th Digit of VIN)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 Button Rem. Key: 5912555 5 Button Rem. Key: 5912556 Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>4 Digit Pin &amp; 12 Minute Wait</td>
<td>Possible except V4 1.2L</td>
<td></td>
</tr>
</tbody>
</table>

### 2005-2007 RELAY (Saturn)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
<th>ADS-139</th>
</tr>
</thead>
<tbody>
<tr>
<td>B97-PT</td>
<td>Type 3</td>
<td>Yes</td>
<td>No</td>
<td>Not Needed</td>
<td>K-Brown</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Check model for keyway used.

### 2005-2007 RELAY (Saturn)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
<th>ADS-139</th>
</tr>
</thead>
<tbody>
<tr>
<td>PT04-PT</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>Not Needed</td>
<td>K-Brown</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Check model for keyway used.
### 2002-2007 RENDEZVOUS (Buick)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>B99-PT</td>
<td>Type 1</td>
<td>Yes</td>
<td>No</td>
<td>Not Needed</td>
<td>C-Green Or SD</td>
</tr>
</tbody>
</table>

**Programming Note:** At the start of the procedure when the tester asks you to turn the ignition OFF then back on a couple of times, just leave the ignition ON as you go thru these screens & press ENTER. Otherwise, communication will fail.

### 2015-2016 SAVANA (GMC)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>B120-PT</td>
<td>Select by Vehicle 2008-2014</td>
<td>Yes</td>
<td>No</td>
<td>Not Needed</td>
<td>K-Brown Or SD</td>
</tr>
</tbody>
</table>

**Programming Note:** The only thing that has changed on these from 07-14 is the KEY.

### 2008-2014 SAVANA (GMC)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>B111-PT</td>
<td>Select by Vehicle 2008-2014</td>
<td>Yes</td>
<td>No</td>
<td>Not Needed</td>
<td>K-Brown Or SD</td>
</tr>
</tbody>
</table>

### 1998-2004 SEVILLE (Cadillac)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>B99-PT</td>
<td>Type 1</td>
<td>Yes</td>
<td>No</td>
<td>Not Needed</td>
<td>C-Green Or SD</td>
</tr>
</tbody>
</table>

**Note:** At the start of the procedure when the tester asks you to turn the ignition OFF then back on a couple of times, just leave the ignition ON as you go thru these screens & press ENTER. Otherwise, communication will fail.

### 2014-2016 SIERRA 1500 WITH KEYED IGN. (GMC)

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>4 Digit Pin &amp; 12 Minute Wait</td>
<td>Possible on Most Gas Engines</td>
<td>K-Brown Or SD</td>
</tr>
</tbody>
</table>

### 2007-2013 SIERRA (GMC)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>B111-PT</td>
<td>Select by Vehicle Type 4</td>
<td>Yes</td>
<td>No</td>
<td>Not Needed</td>
<td>K-Brown Or SD</td>
</tr>
</tbody>
</table>
### 1999-2004 SILHOUETTE (OLDSMOBILE)

**ILCO** | **SYSTEM** | **SMART Card** | **PIN Required** | **PIN Read** | **PRO Dongle**  
--- | --- | --- | --- | --- | ---  
B97-PT | Type 1 | Yes | No | Not Needed | C-Green Or SD

**Note:** At the start of the procedure when the tester asks you to turn the ignition OFF then back on a couple of times, just leave the ignition ON as you go thru these screens & press ENTER. Otherwise, communication will fail.

### 2014-2016 SILVERADO 1500 WITH KEYED IGN. (CHEVROLET)

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select By Vehicle</td>
<td>Yes</td>
<td>4 Digit Pin &amp; 12 Minute Wait</td>
<td>Possible on Most Gas Engines</td>
<td></td>
</tr>
</tbody>
</table>

### 2007-2013 SILVERADO (CHEVY)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
</table>
| B111-PT ⊕ | Select by Vehicle | Yes | No | Not Needed | K-Brown Or SD

### 2007-2009 SKY (SATURN)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
</table>
| B111-PT ⊕ | Select by Vehicle Type 6 | Yes | No | Not Needed | K-Brown Or SD

### 2006-2009 SOLSTICE (PONTIAC)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
</table>
| B111-PT ⊕ | Select by Vehicle | Yes | No | Not Needed | K-Brown Or SD

### 2017 SONIC (CHEVY)

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
</table>
| New PROX part for 2017 Check with Distributor 2017 models may require two keys if erasing. | Select Cadillac ATS | Yes | Yes | NO PIN READ | K-Brown Or SD

### 2012-2016 SONIC (CHEVY)

<table>
<thead>
<tr>
<th>STRATTEC</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
</table>
| 3 Button Key: 5913598 4 Button Key: 5912543 5 Button Key: 5912545 | Select by Vehicle | Yes | Yes | Possible | K-Brown Or SD

### 2013-2016 SPARK (CHEVY)

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
</table>
| Check with dealer or distributor for correct part to use | Select by Vehicle | Yes | Yes | Possible | K-Brown Or SD
## 2013-2016 SRX with PROX (Cadillac)  
**ADS-223**

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Yes</td>
<td>Possible on Most Gas Engines</td>
<td>K-Brown Or SD</td>
</tr>
</tbody>
</table>

## 2010-2012 SRX with PROX (Cadillac)  
**ADS-187**

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Yes</td>
<td>Possible on Most Gas Engines</td>
<td>K-Brown Or SD</td>
</tr>
</tbody>
</table>

## 2007-2009 SRX (Cadillac)  
**ADS-139**

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>B111-PT ⊕</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>Not Needed</td>
<td>K-Brown Or SD</td>
</tr>
</tbody>
</table>

## 2004-2006 SRX (Cadillac)  
**ADS-138**

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>B115-PT</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>Not Needed</td>
<td>C-Green Or SD</td>
</tr>
</tbody>
</table>

## 2005-2011 STS with PROX (Cadillac)  
**ADS-187**

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer Key</td>
<td>'RCDLR' SYSTEM Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>Not Needed</td>
<td>K-Brown Or SD</td>
</tr>
</tbody>
</table>

## 2015-2016 Suburban with Keyed Ign. (Chevrolet)  
**ADS-223**

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>4 Digit Pin &amp; 12 Minute Wait</td>
<td>Possible on Most Gas Engines</td>
<td>K-Brown Or SD</td>
</tr>
</tbody>
</table>

## 2015-2016 Suburban with PROX (Chevrolet)  
**ADS-223**

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>4 Digit Pin &amp; 12 Minute Wait</td>
<td>Possible on Most Gas Engines</td>
<td>K-Brown Or SD</td>
</tr>
</tbody>
</table>

## 2007-2013 Suburban (Chevy)  
**ADS-139**

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>B111-PT ⊕</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>Not Needed</td>
<td>K-Brown Or SD</td>
</tr>
</tbody>
</table>
### 2015-2016 Tahoe with Keyed Ign. (Chevrolet)

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>4 Digit Pin &amp; 12 Minute Wait</td>
<td>Possible on Most Gas Engines</td>
</tr>
</tbody>
</table>

**Note:** 12 minute security wait. Check model for which keyway used.

### 2015-2016 Tahoe with Prox (Chevrolet)

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>4 Digit Pin &amp; 12 Minute Wait</td>
<td>Possible on Most Gas Engines</td>
</tr>
</tbody>
</table>

### 2007-2014 Tahoe (Chevy)

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
</tr>
</thead>
<tbody>
<tr>
<td>B111-PT ⊕</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>Not Needed</td>
</tr>
</tbody>
</table>

### 2010-2016 Terrain (GMC)

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 Button Key: 5912547 5 Button Key: 5912548</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Yes</td>
<td>Possible</td>
</tr>
</tbody>
</table>

### 2005-2007 Terraza (Buick)

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
</tr>
</thead>
<tbody>
<tr>
<td>B97-PT</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>Not Needed</td>
</tr>
</tbody>
</table>

### 2005-2007 Terraza (Buick)

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
</tr>
</thead>
<tbody>
<tr>
<td>PT04-PT</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>Not Needed</td>
</tr>
</tbody>
</table>

**Note:** 12 minute security wait. Check model for which keyway used.

### 2007-2009 Torrent (Pontiac)

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
</tr>
</thead>
<tbody>
<tr>
<td>B111-PT ⊕</td>
<td>Select by Vehicle Type 4</td>
<td>Yes</td>
<td>No</td>
<td>Not Needed</td>
</tr>
</tbody>
</table>
### 2009-2017 Traverse (Chevy)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>B111-PT</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>Not Needed</td>
<td>K-Brown Or SD</td>
</tr>
</tbody>
</table>

### 2016 Trax With Keyed Ign. (Chevy)

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select CHEVY SPARK</td>
<td>Yes</td>
<td>4 Digit Pin &amp; 12 Minute Wait</td>
<td>Possible by selecting SPARK</td>
<td>K-Brown Or SD</td>
</tr>
</tbody>
</table>

### 2005-2008 Uplander (Chevy)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>B97-PT</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>Not Needed</td>
<td>K-Brown Or SD</td>
</tr>
</tbody>
</table>

**Note:** Check model for which keyway used.

### 2005-2008 Uplander (Chevy)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>PT04-PT</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
<td>Not Needed</td>
<td>K-Brown Or SD</td>
</tr>
</tbody>
</table>

**Note:** Check model for which keyway used.

### 1999-2005 Venture (Chevy)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>B97-PT</td>
<td>Type 1</td>
<td>Yes</td>
<td>No</td>
<td>Not Needed</td>
<td>C-Green Or SD</td>
</tr>
</tbody>
</table>

**Programming Note:** At the start of the procedure when the tester asks you to turn the ignition OFF then back on a couple of times, just leave the ignition ON as you go thru these screens & press ENTER. Otherwise, communication will fail.

### 2014-2015 Verano With Prox (Buick)

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>4 Digit Pin &amp; 12 Minute Wait</td>
<td>Possible on Most Gas Engines</td>
<td>K-Brown Or SD</td>
</tr>
</tbody>
</table>

### 2012-2013 Verano With Prox (Buick)

<table>
<thead>
<tr>
<th>STRATTEC</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 Button PEPS: 5912559</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>4 Digit Pin &amp; 12 Minute Wait</td>
<td>Possible</td>
<td>K-Brown Or SD</td>
</tr>
</tbody>
</table>
### 2012-2013 VERANO WITH KEYED IGN. (BuICK)

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<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
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<td>4 Button Rem. Key: 5912555</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>4 Digit Pin &amp; 12 Minute Wait</td>
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<td>K-Brown Or SD</td>
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<tr>
<td>5 Button Rem. Key: 5912556</td>
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### 2008-2010 VIBE (PONTIAC)

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<td>TOY44D-PT (4D Chip)</td>
<td>TOYOTA IMMO TYPE 2</td>
<td>Yes</td>
<td>No</td>
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<td>A-Black Or SD</td>
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**TRANSPONDER SYSTEM IS OPTIONAL**

**Note:** Dealer Non-Remote Key: 89785-08020 (USA) - See Corolla - Toyota 2007 Software

### 2014-2015 VOLT WITH PROX (CheVY)

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<th>PIN Read</th>
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<td>5 Button 315 MHz: 5920157</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>5 Button 433 MHz: 5922037</td>
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**Prox Learning slot is located in compartment center of dash.**

### 2011-2013 VOLT WITH PROX (CheVY)

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<tr>
<td>5 Button 315 MHz: 5920157</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Yes</td>
<td>Possible</td>
<td>K-Brown Or SD</td>
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<td>5 Button 433 MHz: 5922037</td>
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**Prox Learning slot is located in compartment center of dash.**

### 2008-2009 VUE (SATURN)

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<td>B114-PT ⊕</td>
<td>Select by Vehicle Type 4</td>
<td>Yes</td>
<td>No</td>
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<td>K-Brown Or SD</td>
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**Note:** Daewoo keyway with Circle Plus chip. : DW47 / ILCO: DWO5AP

### 2004-2009 XLR WITH PROX (CADILLAC)

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<th>OEM</th>
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<td>2004-07 OEM 15212512 2008-09 OEM 25854923</td>
<td>'RCDLR' SYSTEM Select by Vehicle</td>
<td>Yes</td>
<td>No</td>
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<td>C-Green Or SD</td>
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Check with dealer or distributor for correct part to use
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<th>Model Type</th>
<th>OEM System</th>
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<th>PIN Read</th>
<th>PRO Dongle</th>
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<td>2013-2016</td>
<td>XTS with Prox (Cadillac)</td>
<td>Check with Dealer for proper Key or Prox</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>4 Digit Pin &amp; 12 Minute Wait</td>
<td>Depends on Engine Type - See below</td>
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<td>2015-2016</td>
<td>Yukon with Keyed Ign. (GMC)</td>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>4 Digit Pin &amp; 12 Minute Wait</td>
<td>Possible on Most Gas Engines</td>
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<td>2015-2016</td>
<td>Yukon with Prox (GMC)</td>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>4 Digit Pin &amp; 12 Minute Wait</td>
<td>Possible on Most Gas Engines</td>
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<td>2007-2014</td>
<td>Yukon (GMC)</td>
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<td>Select by Vehicle Type 4</td>
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<td>3500 (GMC)</td>
<td>ILCO System B111-PT ⊕</td>
<td>Select by Vehicle Type 4</td>
<td>Yes</td>
<td>No</td>
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</table>
GM USA KEYED (BLADED) IGNITION MODELS COVERED BY ADS-138 & ADS-139 SOFTWARE

SPECIAL FUNCTIONS

Program Keys - Erases all currently programmed keys from memory.
Programs only keys used during the procedure.
Use on-board programming to add additional keys.

<table>
<thead>
<tr>
<th>T-CODE SOFTWARE #</th>
<th>CABLE / DONGLE:</th>
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<tr>
<td>ADS-138 &amp; ADS-139</td>
<td>ADC-250 / ADC-251</td>
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<tr>
<td></td>
<td>L (PINK) DONGLE</td>
</tr>
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</table>

MAX # OF KEYS:   SMART DONGLE?
8                      YES

KEYS:                     SECURITY:
PK3 keys the chips are re-usable. Circle Plus keys are not re-usable. (This means they lock and can’t be re-used on another vehicle)
NO PIN CODE REQUIRED
12 MINUTE SECURITY WAIT.

COMPONENTS MATCHED?
IMMO & PCM BCM ARE MATCHED

MATCHING CAPABILITY?
NONE
DEALER EQUIPMENT NEEDED TO MATCH COMPONENTS IF CHANGED

SECURITY LIGHT / THEFT INDICATOR:
Light should be out at end of procedure. If theft light blinks or comes on steady the key/keys have not been accepted.

TIPS:
MAKE SURE BATTERY VOLTAGE IS KEPT STRONG DURING THE ENTIRE 12 MINUTE WAIT.

MORE INFO:
At the end of the 12min car enters learn mode, turn the key OFF and leave it in the ignition, wait 15 seconds then turn the key to the ON position.

At this point this key should be programmed and the learn mode is closed.

USA market models- Requires only 1 key to close the learn mode. Only 1 programmed key is required to add additional keys.
Also, 3x10min on board programming without using diagnostics may be available.

Canadian market models- (look for Kilometers on the dash instead of miles in the mileage indicator) require 2 keys to close the learning and two programmed keys to on board program additional keys.
GM USA KEYED (BLADED) IGNITION MODELS COVERED BY ADS-138 SOFTWARE

Use this method to PROGRAM KEYS

START HERE:
Select:
+GM USA
+IMMOBILISER
+BY SYSTEM
or
+BY VEHICLE

Check the Key Look Up Guide and use what we recommend there.

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

PLEASE WAIT
12 Minutes
Time Elapsed 00:02

SWITCH IGNITION OFF

PRESS ENTER KEY

The VIN is displayed from the vehicle you are connected to along with the Software Version on the vehicle.

ONCE THE MVP/TCODE MAKES A CONNECTION TO THE CAR - IT WILL TAKE 12 MINUTES TO CLEAR THE SYSTEM AND ALLOW KEY PROGRAMMING.

DIAGNOSTIC MENU

> PROGRAM KEY

PLEASE WAIT
12 Minutes
Time Elapsed 11:59
Cycle New Key then Start Engine

The next screens are WRONG and confusing, they will ask you to switch the IGNITION off then on. LEAVE THE IGN ON & PRESS ENTER

(DO NOT TURN OFF THE KEY)

Turning the ignition OFF and then back on programs the key. Models with export software (Canada) may require 2 Keys.
GM USA KEYED (BLADED) IGNITION MODELS COVERED BY ADS-139 SOFTWARE

Use this method to PROGRAM KEYS

START HERE:
Select:
+GM USA
+IMMOBILISER
+BY SYSTEM
or
+BY VEHICLE

Check the Key Look Up Guide and use what we recommend there.

SWITCH IGNITION ON
PRESS ENTER KEY

ECU IDENTIFICATION
TYPE X
PRESS ENTER KEY

DIAGNOSTIC MENU
MODULE INFORMATION
> PROGRAM KEY

PROGRAM KEYS
PLEASE WAIT

PROGRAM KEYS
PLEASE WAIT
12 MINUTES
TIME ELAPSED 00

Once the MVP/TCODE makes a connection to the car - it will take 12 minutes to clear the system and allow key programming.

Turning the ignition OFF and then back on programs the key. Models with export software (Canada) may require 2 Keys.

GM USA KEYED (BLADED) IGNITION MODELS COVERED BY ADS-139 SOFTWARE

Use this method to PROGRAM KEYS

START HERE:
Select:
+GM USA
+IMMOBILISER
+BY SYSTEM
or
+BY VEHICLE

Check the Key Look Up Guide and use what we recommend there.

SWITCH IGNITION ON
PRESS ENTER KEY

ECU IDENTIFICATION
TYPE X
PRESS ENTER KEY

DIAGNOSTIC MENU
MODULE INFORMATION
> PROGRAM KEY

PROGRAM KEYS
PLEASE WAIT

PROGRAM KEYS
PLEASE WAIT
12 MINUTES
TIME ELAPSED 00

Once the MVP/TCODE makes a connection to the car - it will take 12 minutes to clear the system and allow key programming.

Turning the ignition OFF and then back on programs the key. Models with export software (Canada) may require 2 Keys.
G. M. Remote Programming

Use this method to Program Remotes

START HERE:

Select:
+GM USA
+REMTES
+BY SYSTEM

Make sure you have all the remotes you want to program ready.

PLEASE WAIT
TRYING TO COMMUNICATE

ECU IDENTIFICATION
8 DIGIT DM: 25785142
PROM ID: 1016
PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

Some systems vary as to what you have to do here, make sure to read and follow the on-screen instructions from the tester carefully.

DIAGNOSTIC MENU

> PROGRAM REMOTE

DID THE DOORS
LOCK UNLOCK

NO=BACK YES=ENTER

DO YOU WANT TO
PROGRAM MORE REMOTES

NO=BACK YES=ENTER

PROGRAM REMOTES

PROCEDURE COMPLETE

PRESS ENTER KEY

VEHICLE SELECTION

TYPE 1
TYPE 2
TYPE 3
TYPE 4
TYPE 5
TYPE 6
TYPE 7

START HERE:

SWITCH IGNITION ON
PRESS ENTER KEY

G. M. Remote Programming

USE THE SMART DONGLE
FOR EASY ACCESS
USING BUILT IN SMART
CARD CALCULATOR

MOST GM REMOTE
SYSTEMS
REQUIRE SMART CARD
CALCULATOR OR WEB
APP

PLEASE HOLD
LOCK UNLOCK BUTTONS
FOR 30 SECONDS

Time Elapsed 00:05

PRESS ENTER KEY

Advanced Diagnostics USA Manual for MVP & T-CODE - © 2017
## G.M. REMOTE APPLICATIONS

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<thead>
<tr>
<th>MAKE</th>
<th>MODEL</th>
<th>FROM</th>
<th>TO</th>
<th>TYPE</th>
<th>DONGLE</th>
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## GM. REMOTE APPLICATIONS

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<td>2003</td>
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<td>GRAND PRIX</td>
<td>2007</td>
<td>2008</td>
<td>14</td>
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<tr>
<td>PONTIAC</td>
<td>MONTANA SV6</td>
<td>2005</td>
<td>2007</td>
<td>13</td>
<td>C</td>
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<tr>
<td>PONTIAC</td>
<td>MONTANA SV6</td>
<td>2008</td>
<td>2009</td>
<td>14</td>
<td>C</td>
</tr>
</tbody>
</table>
If you do not see a model listed in the charts that is because it uses an ON BOARD PROCEDEURE and does not REQUIRE the use of diagnostics to program remotes.

2014> SILVERADO / SUBURBAN / SIERRA KEYED IGNITION MODELS WITH SEPARATE REMOTE

PROGRAM REMOTE-
This procedure takes only a few seconds and DOES NOT require a PIN CODE.
It programs new remotes into the system and erases all old remotes from memory.
A maximum of 8 remotes and a minimum of 1 remote can be programmed into memory.

SELECT:
+GM USA
+REMOTES
+BY VEHICLE
+CHEVROLET
+SILVERADO
+2014-2015

FOLLOW THE SCREEN PROMPTS.
MAKE SURE YOU HAVE ALL REMOTES READY

<table>
<thead>
<tr>
<th>MAKE</th>
<th>MODEL</th>
<th>FROM</th>
<th>TO</th>
<th>TYPE</th>
<th>DONGLE</th>
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<tbody>
<tr>
<td>PONTIAC</td>
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<td>SUNFIRE</td>
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<td>2005</td>
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<td>9-7X</td>
<td>2005</td>
<td>2008</td>
<td>8</td>
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<tr>
<td>SATURN</td>
<td>AURA</td>
<td>2007</td>
<td>2009</td>
<td>9</td>
<td>K</td>
</tr>
<tr>
<td>SATURN</td>
<td>ION</td>
<td>2003</td>
<td>2007</td>
<td>4</td>
<td>C</td>
</tr>
<tr>
<td>SATURN</td>
<td>L SERIES</td>
<td>2005</td>
<td>2005</td>
<td>4</td>
<td>C</td>
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<tr>
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<td>C</td>
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<tr>
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<td>S SERIES</td>
<td>2000</td>
<td>2005</td>
<td>4</td>
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<td>2007</td>
<td>2010</td>
<td>9</td>
<td>K</td>
</tr>
<tr>
<td>SATURN</td>
<td>VUE</td>
<td>2002</td>
<td>2007</td>
<td>4</td>
<td>C</td>
</tr>
</tbody>
</table>

WATCH VIDEO - REMOTE PROGRAMMING ON 2014 SIERRA PICK-UP
G. M. Remote Tips

1) MVP Owners - No Tokens are used on GM RKE programming listed in this guide.

2) If you have problems getting a remote programmed check the battery on the remote.

3) Check that the vehicle battery voltage is at least 12volts.

4) Compare the part # and FCC ID to another working remote for that car if you have one. In some cases it may be necessary to open up the remotes and compare the circuit boards to ensure match.

5) Be sure you have the correct remote for the vehicle you are working on. Sorry..ADUSA tech support does not provide remote part numbers by vehicle. Please check your distributor or dealer parts counter for part numbers.

6) Some vehicle listed here may not have an RKE system as standard equipment. If the car does not have a remote now it's possible that the factory system is not installed, and of course you won't be able to program a remote!

**System Type Notes:**

**Type 4:**
Use “Program Remotes” to “Add” remotes (up to 4 max.) “Erase Remotes” erases all remotes from the system. On some Type 4 vehicles it has been reported you MUST use “Erase Remotes” function FIRST or the “Program Remotes” function will NOT work.

**Type 5:**
Might have to start procedure with Ignition in “Off” position.

**Type 7 & 8:**
“Program Remotes” function can program up to 4 remotes at once. When initially communicating start with the ignition “ON” and then switch ignition “OFF” and select “Program Remotes” Now press and hold the Lock and Unlock buttons on each remote as prompted by the tester until the tester responds and asks if you want to program additional remotes. When finished the tester will prompt you to cycle the ignition. Turn the ignition back “ON” then “OFF” and you are done. All previous remotes are erased. Use the “Check Remotes” selection to see how many remotes are programmed. Please note this feature also can show what button is being pressed on a remote. This feature works only with the ignition “OFF”.

**Type 13 & 14:**
4 remotes maximum - program all at the same time. Hold Lock & Unlock 10 sec each. Be careful with “KO-BGT04A” FCC ID remotes used. The Part Number must be correct along with the FCC ID. They must both match or the remote will not program.
# 1997-2001 Cadillac Catera

## SPECIAL FUNCTIONS

**Program Keys** - Erases all currently programmed keys from memory.

Programs only keys used during the procedure.

Use on-board programming to add additional keys.

<table>
<thead>
<tr>
<th>T-CODE SOFTWARE #</th>
<th>CABLE / DONGLE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADS-100</td>
<td>ADC-250 / ADC-251</td>
</tr>
<tr>
<td></td>
<td>A (BLACK) DONGLE</td>
</tr>
</tbody>
</table>

**MAX # OF KEYS:**

8

**SMART DONGLE?**

YES

**KEYS:** Must be factory key OEM chip

**SECURITY:** PIN CODE REQUIRED

**COMPONENTS MATCHED?** IMMO & PCM ARE MATCHED

**MATCHING CAPABILITY?** NONE

**DEALER EQUIPMENT NEEDED TO MATCH COMPONENTS IF CHANGED**

**SECURITY LIGHT / THEFT INDICATOR:** Light should be out at end of procedure. If theft light blinks or comes on steady the key/keys have not been accepted.

## TIPS:

PIN CODE might appear as a VATS code when they go to look it up at the dealership.

**KEY CODE**

**Dealer:** 01001  **Date:** 03/23/02

- **VIN Number:** W06VR52R7WR142422
- **Ignition Key:** 1566
- **Trunk Key:** 1566
- **VATS:** 9743

## MORE INFO:

The 1997-2001 Cadillac Catera is a modified version of the European made Opel.

An important note to remember is that the Catera model in the USA will need a 4-digit PIN Code to complete key programming. The PIN Code is usually obtained through GM dealers or N.A.S.T.F.

If the wrong password is entered, the process is interrupted. After 3 attempts the ECU will lock and becomes blocked for 10 minutes, you must leave the key ON for at least 10 minutes to unlock the system.

The Pin Reading on the PRO will work 90% of the time IF THE INSTRUCTIONS ARE FOLLOWED but ONLY if a spare key has ever been programmed into the car.
1997-2001
Cadillac Catera

ERASE/CLEAR ALL KEYS

START HERE:
Select:
+GM USA
+IMMOBILISER
+BY VEHICLE
+CADILLAC
CATERA

SWITCH IGNITION ON
PRESS ENTER KEY

NOTE: After the keys are Cleared/Erased- you will be returned to the Key Menu.
Now you will need to program keys.

NOTE: You will need a Security Code (PIN CODE) from the Dealer or thru N.A.S.T.F. or from PIN Read software.

ECU IDENTIFICATION
ECU NO: AA 90532624
KEY NO: S1650
VIN: W06VR52R4WR189289
PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
FAULT CODES
LIVE DATA
> SPECIAL FUNCTIONS
PRESS ENTER KEY

DIAGNOSTIC MENU
> CLEAR KEYS
PROGRAM KEYS
READ PINCODE

SECURITY CODE
XXX XXX
IS CODE CORRECT
OK=ENTER CLEAR=BACK

ACCESS GAINED

ERASING KEYS
ERASING KEY: 1
ERASING KEY: 2
ERASING KEY: 3
ERASING KEY: 4
ERASING KEY: 5

PLEASE WAIT TRYING TO COMMUNICATE

SWITCH IGNITION OFF
AND THEN PRESS ENTER

ECU IDENTIFICATION
SECURITY CODE
_ _ _ _
PRESS ENTER KEY

DIAGNOSTIC MENU
> CLEAR KEYS
PROGRAM KEYS
READ PINCODE
NOTE: To program keys you must have the vehicle's PIN CODE. When programming keys, you must first clear all keys. Once that is done, you can now program keys.

Select:
+GM USA
+IMMOBILISER
+BY VEHICLE
+CADILLAC CATERA

SWITCH IGNITION ON
PRESS ENTER KEY

ECU IDENTIFICATION
ECU NO: AA 90532624
KEY NO: S1650
VIN: W06VR52R4WR189289
PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
FAULT CODES
LIVE DATA
> SPECIAL FUNCTIONS
PRESS ENTER KEY

SECURITY CODE
_ _ _ _
SECURITY CODE
_ _ _ _
IS CODE CORRECT
OK=ENTER CLEAR=BACK

ACCESS GAINED

PROGRAMMING KEYS
INSERT NEW KEY

SWITCH IGNITION ON
AND THEN PRESS ENTER

SECURITY CODE
XX X X
IS CODE CORRECT
OK=ENTER CLEAR=BACK

KEY PROGRAMMED

SWITCH IGNITION OFF
AND THEN PRESS ENTER

PRESS BACK TO EXIT
ENTER - PROG. MORE KEYS

1997-2001 Cadillac Catera

Use this method to PROGRAM KEYS
NOTE: Follow the next screen prompts.

WARNING: The PIN Code reading software does not work on every Cadillac Catera. If the software cannot read the Pin Code from the car - you will have to get it from a GM dealer or thru NASTF.

NOTE: For MVP owners this software will cost you 1 Token to use.

NOTE: Disconnect the Blue connector that goes into the Immobilizer Control Unit on the steering column and then press enter on the tester.

NOTE: Reconnect the Blue connector that goes into the Immobilizer Control Unit and then press enter on the tester.

NOTE: If you are unable to read the PIN Code, disconnect the tester and remove the key. Wait 2 minutes and try the procedure again.

Select:
+GM USA
+IMMOBILISER
+BY VEHICLE
+CADILLAC CATERA

DIAGNOSTIC MENU
ECU IDENTIFICATION
FAULT CODES
LIVE DATA
> SPECIAL FUNCTIONS
PRESS ENTER KEY

DIAGNOSTIC MENU
CLEAR KEYS
PROGRAM KEYS
> READ PINCODE

DIAGNOSTIC MENU
RESET IMMOBILISER
DISCONN. IMMO UNIT
FROM THE VEHICLE
PRESS ENTER KEY

RESET IMMOBILISER
RECONN. IMMO UNIT
TO THE VEHICLE
PRESS ENTER KEY

PINCODE
2 3 9 4
PRESS ENTER KEY

PLEASE WAIT TRYING TO COMMUNICATE
# PONTIAC GTO

## SPECIAL FUNCTIONS

**Program Keys** - Erases all currently programmed keys from memory.

Programs only keys used during the procedure.

NO on-board programming to add additional keys.

<table>
<thead>
<tr>
<th>T-CODE SOFTWARE #</th>
<th>CABLE / DONGLE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADS-139</td>
<td>ADC-250 / ADC-251</td>
</tr>
</tbody>
</table>

**MAX # OF KEYS:**

| 8 |

**SMART DONGLE?**

| YES |

**KEYS:**

- Must be factory OEM key
- Head - Part# 92123129
- Blade - Part# 94860087
- Screws - Part# 92138596
- Ilco Test Key Part #: HF56

**SECURITY:**

- PIN CODE REQUIRED

**COMPONENTS MATCHED?**

- IMMO & PCM ARE MATCHED

**MATCHING CAPABILITY?**

- NONE

**DEALER EQUIPMENT NEEDED TO MATCH COMPONENTS IF CHANGED**

**SECURITY LIGHT / THEFT INDICATOR:**

- Light should be out at end of procedure.
- If theft light blinks or comes on steady the key/keys have not been accepted.

## TIPS:

PIN CODE might appear as a VATS code when they go to look it up at the dealership.

**KEY CODE**

Dealer: 01001    Date: 03/23/02

<table>
<thead>
<tr>
<th>VIN Number</th>
<th>W06VR52R7WR142422</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ignition Key</td>
<td>1566</td>
</tr>
<tr>
<td>Trunk Key</td>
<td>1566</td>
</tr>
<tr>
<td>VATS</td>
<td>9743</td>
</tr>
</tbody>
</table>

## MORE INFO:
START HERE:
Select:
+GM USA
+IMMOBILISER
+BY VEHICLE
+PONTIAC
GTO

You Do Not need to turn on the ignition to "Read Out" the Key Code, PIN Code or Radio Code.

ECU IDENTIFICATION
S/W VERSION: 2
S/W DATE: XX/XX/XX
BCM CODE: BH007082

SECURITY CODE
6 DIGIT PINCODE
NEEDS TO BE ENTERED
IF PINCODE IS LESS
THAN 6 DIGITS THEN
INSERT ZEROS BEFORE
ENTERING PINCODE

MECHANICAL NUMBER
H 2293
RADIO CODE
1564

READ PINCODE
PINCODE: 61700

The above codes are just examples from our test car.

Since the PIN Code is 5 digits, you need to add a zero to the front of it when programming the key.

DIAGNOSTIC MENU
ECU IDENTIFICATION
FAULT CODES
LIVE DATE
ACTUATORS
> SPECIAL FUNCTIONS

PROGRAM KEY
> READ PINCODE

USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

OR
REQUIRES SMART CARD CALCULATOR OR WEB APP

DIAGNOSTIC MENU

SWITCH IGNITION ON
PRESS ENTER KEY

PRESS ENTER KEY

PRESS ENTER KEY

PRESS ENTER KEY

PRESS ENTER KEY
Once you have the PIN CODE:

Select:
+GM USA
+IMMOBILISER
+BY VEHICLE
+PONTIAC GTO

The above codes are just examples from our test car.

The above code is just an example from our test car.

If the PIN Code is less than 6 digits, you need to add zeros to the front of it to make it 6 digits long.

For additional keys, repeat the procedure.
# SATURN ASTRA

## SPECIAL FUNCTIONS

**Program Keys** - Erases all currently programmed keys from memory.

Programs only keys used during the procedure.

NO on-board programming to add additional keys.

<table>
<thead>
<tr>
<th>T-CODE SOFTWARE #</th>
<th>CABLE / DONGLE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADS-139</td>
<td>ADC-250 / ADC-251</td>
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</table>

<table>
<thead>
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<th>MAX # OF KEYS:</th>
<th>SMART DONGLE?</th>
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<tbody>
<tr>
<td>8</td>
<td>YES</td>
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<table>
<thead>
<tr>
<th>KEYS:</th>
<th>SECURITY:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Must be factory OEM key</td>
<td>PIN CODE REQUIRED</td>
</tr>
<tr>
<td>Saturn Astra Remote GM Part # 93192428</td>
<td>COMPONENTS MATCHED?</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>IMMO &amp; PCM ARE MATCHED</th>
<th>MATCHING CAPABILITY</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>NONE</td>
</tr>
</tbody>
</table>

**SECURITY LIGHT / THEFT INDICATOR:**

Light should be out at end of procedure. If theft light blinks or comes on steady the key/keys have not been accepted.

## TIPS:

PIN CODE might appear as a VATS code when they go to look it up at the dealership.

**KEY CODE**

Dealer: 01001  Date: 03/23/02

VIN Number : W06VR52R7WR142422 (just an example)

Ignition Key : 1566  Trunk Key : 1566  VATS : 9743

## MORE INFO:

**USA market models** - Requires only 1 key to close the learn mode. Only 1 programmed key is required to add additional keys. Also, 3x10min on board programming without using diagnostics may be available.

**Canadian market models** - (look for Kilometers on the dash instead of miles in the mileage indicator) may require 2 keys to close the learning and two programmed keys to on board program additional keys.
SATURN
ASTRA

Use this method to PROGRAM KEYS

Once you have the PIN CODE:

Select:
+GM USA
+IMMOBILISER
+BY VEHICLE
+SATURN
+ASTRA

SWITCH IGNITION ON

PRESS ENTER KEY

G M C A N

PRESS ENTER KEY

GM CAN

PRESS ENTER KEY

SECURITY CODE
_ _ _ _

IS CODE CORRECT
OK=ENTER  CLEAR=BACK

PROGRAM KEYS
MAX 5 KEYS
TO BE PROGRAMMED

PRESS ENTER KEY

PROGRAM KEYS
PLEASE INSERT
KEY No 1
AND TURN ON
IGNITION

PRESS ENTER KEY

PROGRAM KEYS
IGN. KEY OFF,
THEN ON

PRESS ENTER KEY

PROGRAM KEYS
PROGRAM KEY No 1
SUCCESSFUL

WOULD YOU LIKE TO
PROGRAM KEY No 2

YES=ENTER  NO=BACK

DEVICE

OR

REQUIRES SMART CARD
CALCULATOR OR WEB
APP

USE THE SMART DONGLE
FOR EASY ACCESS
USING BUILT IN SMART
CARD CALCULATOR

Sink

PROGRAM KEYS
> PROGRAM KEYS
MECHANICAL NUMBER

ACCESS GAINED

PROGRAM KEYS
NEW KEY WITH
VIRGIN TRANSPONDER

YES=ENTER  NO=BACK

PROGRAM KEYS
PROGRAM KEYS

Select:
+GM USA
+IMMOBILISER
+BY VEHICLE
+SATURN
+ASTRA

Use the Smart Dongle for Easy Access Using Built-in Smart Card Calculator

Requires Smart Card Calculator or Web App

If necessary, use the built-in smart card calculator or web app for easy access.
### GM ‘RCDLR’ PROX SYSTEM
**ADS-187**

#### SPECIAL FUNCTIONS

**PROGRAM PROX KEY -**

A 12 minute wait procedure that erases all currently programmed keys from The “RCDLR” (Remote Control Door Lock Receiver).

Once completed, the system is now ready to accept new PROX KEYS.

**PLACE A KEY IN THE PROGRAMMING SLOT.**

Turn the mechanical key in the drivers door lock (STS) or trunk lock (Corvette / CTS or lock on bumper (XLR) this signals the car to learn the key that is in the learning slot.

**WARNING:**

**YOU MUST HAVE A KEY INSERT THAT WORKS IN THE ONLY LOCK ON THE EXTERIOR OF THE CAR TO BE SUCCESSFUL!**

When the key is turned the dash should say: “LEARNING KEY” briefly then should say :

“READY FOR FOB # 2”

**PLACE ANOTHER PROX IN THE SLOT.**

The dash should say “READY FOR FOB # 3

Repeat this up to 4 FOBS MAX.

**MORE INFO:**

**USA market models-** Requires only 1 key to close the learn mode. Only 1 programmed key is required to add additional keys.

Also, 3x10min on board programming without using diagnostics may be available.

**Canadian market models-** (look for Kilometers on the dash instead of miles in the mileage indicator) require 2 keys to close the learning and two programmed keys to on board program additional keys.

<table>
<thead>
<tr>
<th>T-CODE SOFTWARE #</th>
<th>CABLE / DONGLE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADS-187</td>
<td>ADC-250 / ADC-251 G (GREY)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MAX # OF PROX KEYS:</th>
<th>SMART DONGLE?</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>YES</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PROX KEYS:</th>
<th>SECURITY:</th>
</tr>
</thead>
<tbody>
<tr>
<td>NON-RE-USABLE (LOCK TO THE CAR ONCE PROGRAMMED)</td>
<td>10 Minute wait / No bypass is available for any of these, must wait the 10 minutes.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>COMPONENTS MATCHED?</th>
<th>MATCHING CAPABILITY?</th>
</tr>
</thead>
<tbody>
<tr>
<td>IMMO PCM &amp; BCM ARE MATCHED</td>
<td>NOT AVAILABLE</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PROGRAMMING SLOT / POCKET LOCATIONS:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CORVETTE / STS PUSH BUTTON</strong></td>
</tr>
<tr>
<td><strong>CTS PROX TURN KNOB</strong></td>
</tr>
<tr>
<td><strong>ST S LEARNING SLOT INSIDE CENTER CONSOLE</strong></td>
</tr>
<tr>
<td><strong>CORVETTE LEARNING SLOT INSIDE GLOVE BOX</strong></td>
</tr>
<tr>
<td><strong>Cadillac XLR lock location</strong></td>
</tr>
</tbody>
</table>
GM ‘RCDLR’
PROX SYSTEM
ADS-187

Use this method to PROGRAM KEYS

YOU MUST HAVE A KEY INSERT THAT WORKS THE DRIVERS DOOR LOCK (STS) OR THE TRUNK LOCK (CORVETTE / CTS) XLR (LOCK HIDDEN BEHIND A COVER ON THE DRIVERS SIDE REAR BUMPER)

DO NOT EVEN START THIS PROCEDURE IF YOU DO NOT HAVE A MECHANICAL KEY TO USE!

START HERE:

Select:
+GM USA
+IMMOBILISER
+BY VEHICLE
+SELECT THE MODEL
+SELECT THE YEAR
+PROX

>>>AFTER THE 12 MINUTE WAIT

DIAGNOSTIC MENU

PROCEDURE COMPLETE
TURN KEY TO UNLOCK 6 TIMES QUICKLY AND FOLLOW INSTRUCTIONS ON DASH

MAKE SURE THERE IS A PROX IN THE LEARNING SLOT.

AFTER TURNING THE KEY IN THE EXTERIOR LOCK 6 TIMES WATCH THE VEHICLE’S DASH.

WHEN THE DASH SAYS:
“READY FOR FOB #2,
EXCHANGE THE PROX FOR THE NEXT ONE,
OR END THE PROCEDURE BY STARTING THE ENGINE.

USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

REQUIRES SMART CARD CALCULATOR OR WEB APP

ECU IDENTIFICATION
V.I.N. 1G6DV1EP8B0129611
HARDWARE: 20829683
PROM: 2049

PRESS ENTER KEY

DIAGNOSTIC MENU

> PROGRAM PROX KEY

PRESS ENTER KEY

DIAGNOSTIC MENU

PLEASE WAIT
APPROX 12 MIN
00:33
ON GM GAS ENGINE CARS LISTED AS “PIN READ POSSIBLE” IN THE KEY LOOK UP GUIDE IT IS POSSIBLE TO READ THE PIN CODE DIRECTLY FROM THE CAR.

Select:
+GM USA
+READ PIN CODE
+BY VEHICLE
Next pick the make for example +BUICK
Then pick the model for example +LaCross
Next pick the YEAR for example +2013-2015
Then select +PROX or +NORMAL (BLADED)
Next select the ENGINE TYPE in the target vehicle.

I.E. L4 2.0L or L4 2.4L etc.

Use “FORCE IGNITION ON” here on PROX cars if necessary.

ECU IDENTIFICATION
VIN: 1G6AA5RX8E0165901

ONCE YOU HAVE READ THE PIN WAIT ABOUT 2 MINUTES BEFORE DOING ANYTHING ELSE.
Let’s walk thru the steps necessary to program a PROX into a Cadillac XTS in a lost key situation when we do not already have the vehicles PIN CODE.

1. **FORCE IGNITION ON** - Select +GM USA, then PIN CODE READING, By Vehicle, XTS, and perform the FORCE IGNITION ON procedure. Once the dash turns on LEAVE IT ON.

2. **READ PIN CODE** - Select +GM USA, then PIN CODE READING, By Vehicle, XTS, and perform the READ PIN CODE procedure. This should give you the cars PIN CODE. Write it down, so you don’t forget it! It will now be necessary to turn the PRO off and re-start the PRO.

3. **PROGRAM PROX** - Select +GM USA, then +IMMOBILIZER, +By Vehicle, XTS, and perform the PROGRAM PROX procedure. This is a guided process and the tester will walk you thru the steps. Make sure that a VIRGIN PROX is in the programming slot when you start. Carefully follow all the screens to completion. If you make a mistake and don’t perform any of the steps you may have to start the process over.

**ON GM PROX MODELS THE FIRST STEP IF YOU NEED TO READ THE PINCODE IS TO USE “FORCE IGNITION ON”**

Select:

+GM USA
+READ PIN CODE
+BY VEHICLE
Next pick the make for example +BUICK
Then pick the model for example +LaCross
Next pick the YEAR for example +2013-2015
+PROX
>FORCE IGNITION ON

**NEXT:**

Go back thru the same menu and select
The cars ENGINE TYPE to attempt to read the PIN CODE.

For example: L4 2.0L (Gas 4 Cylinder 2.0 Liter)
PROX (PUSH BUTTON START) MODELS
ADS187 & ADS 223

SPECIAL FUNCTIONS

PROGRAM PROX- This procedure takes 12 minutes and requires a PIN CODE. It erases all previous keys from memory and programs new keys into the system. A maximum of 8 keys and a minimum of 1 key can be programmed into memory.

Remote functions program in along with the transponder on switchblade type flip keys and do not need to be programmed in separately. However, the newest systems found on 14 Silverado / Suburban pick ups that come with a separate remote program in separately

ADD PROX- This procedure takes 12 minutes and requires a PIN CODE. It programs new keys into the system without erasing old keys from memory. A maximum of 8 keys and a minimum of 1 key can be programmed into memory. Remote functions program in along with the transponder on switchblade type flip keys and do not need to be programmed in separately.

All the vehicles covered by ADS-187 / ADS-223 should be selected “by vehicle” from the GM USA Menu selection.

MORE INFO:

USA market models- Requires only 1 key to close the learn mode. Only 1 programmed key is required to add additional keys. Also, 3x10min on board programming without using diagnostics may be available.

Canadian market models- (look for Kilometers on the dash instead of miles in the mileage indicator) require 2 keys to close the learning and two programmed keys to on board program additional keys.

Switchblade keys - The RKE programs in automatically. (No separate procedure.

T-CODE SOFTWARE # | CABLE / DONGLE:
---|---
ADS-187 | ADC-250 / ADC- 251
ADS-223 | K (BROWN) DONGLE

PROX KEYS: SMART DONGLE?
8 YES

KEYS: SECURITY:
OEM Keys must be virgin. They lock to the vehicle and cannot be re-used on or from another vehicle.
PIN CODE & 12 MINUTE SECURITY WAIT

COMPONENTS MATCHED?
IMMO, PCM & BCM ARE MATCHED

MATCHING CAPABILITY?
NOT AVAILABLE

SECURITY LIGHT / THEFT INDICATOR:
Light should be out at end of procedure. If theft light blinks or comes on steady the key/keys have not been accepted
PROX PROGRAMMING SLOT LOCATIONS

MAKE SURE THERE IS A PROX IN THE PROGRAMMING SLOT WHEN PERFORMING PROX PROGRAMMING-
The PRO screen may simply call this the “CUP HOLDER”

THE SLOT LOCATION VARIES ON DIFFERENT MAKES & MODELS.

It may be necessary on some to remove the cup holder to expose the slot

CORVETTE  ATS  SUBURBAN

IMPALA  XTS  TAHOE

VOLT  LACROSS  CRUZE

WARNING! If the Prox is not in the slot the procedure will fail!
KEYED (BLADED) IGNITION MODELS ADS187 & ADS 223

SPECIAL FUNCTIONS

PROGRAM KEY-  This procedure takes 12 minutes and requires a PIN CODE. It erases all previous keys from memory and programs new keys into the system. A maximum of 8 keys and a minimum of 1 key can be programmed into memory.

Remote functions program in along with the transponder on switchblade type flip keys and do not need to be programmed in separately. However, the newest systems found on 14 Silverado / Suburban pick ups that come with a separate remote program in separately.

ADD KEY-  This procedure takes 12 minutes and requires a PIN CODE. It programs new keys into the system without erasing old keys from memory. A maximum of 8 keys and a minimum of 1 key can be programmed into memory. Remote functions program in along with the transponder on switchblade type flip keys and do not need to be programmed in separately.

All the vehicles covered by ADS-187 / ADS-223 should be selected “by vehicle” from the GM USA Menu selection.

MORE INFO:

USA market models- Requires only 1 key to close the learn mode. Only 1 programmed key is required to add additional keys. Also, 3x10min on board programming without using diagnostics may be available.

Canadian market models- (look for Kilometers on the dash instead of miles in the mileage indicator) require 2 keys to close the learning and two programmed keys to on board program additional keys.

Switchblade keys - The RKE programs in automatically. (No separate procedure.

WATCH VIDEO - 2015 TAHOE READ PIN AND PROGRAM KEY

Switchblade keys - The RKE programs in automatically. (No separate procedure.

2014> SILVERADO/ SUBURBAN KEYED IGNITION MODELS WITH SEPARATE REMOTE

PROGRAM REMOTE- This procedure takes only a few seconds and DOES NOT require a PIN CODE. It programs new remotes into the system and erases all old remotes from memory. A maximum of 8 remotes and a minimum of 1 remote can be programmed into memory.

SELECT:
+GM USA
+REMOTES
+BY VEHICLE
+CHEVROLET
+SILVERADO
+2014-2015

FOLLOW THE SCREEN PROMPTS. MAKE SURE YOU HAVE ALL REMOTES READY.
**KEYED (BLADED) IGNITION MODELS**
**ADS187 & ADS 223**

**Use this method to PROGRAM KEYS**

**Start here if you have the PIN CODE:**

Select:

+GM USA
+IMMOBILISER
+BY VEHICLE

Next pick the make for example +BUICK
Then pick the model for example +LaCross
Next pick the YEAR for example +2013-2015
+NORMAL or BLADED for keyed models

**PROGRAM KEYS**

>PROGRAM KEYS
ADD KEY

**PRESS ENTER KEY**

**PROGRAM KEYS - Erases all**
ADD KEY - Programs 1 (without erasing others)

**WARNING**
ALL KEYS WILL CLEARED
CONTINUED

**SECRET CODE**

Enter the PIN Code to the car.

**USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR**

**REQUIRES SMART CARD CALCULATOR OR WEB APP**
**KEYED (BLADED) IGNITION MODELS ADS187 & ADS 223**

*Use this method to PROGRAM KEYS - CONT’D*

<table>
<thead>
<tr>
<th>PROGRAM KEYS</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLEASE WAIT:</td>
</tr>
<tr>
<td>12 MINUTES</td>
</tr>
<tr>
<td>TIME ELAPSED: 1:45 sec</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PROGRAM KEYS</th>
</tr>
</thead>
<tbody>
<tr>
<td>INCORRECT ACCESS CODE</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PRESS ENTER KEY</th>
</tr>
</thead>
</table>

AFTER the 12 minute wait FOLLOW the prompts on the screen. PERFORM the steps carefully.

<table>
<thead>
<tr>
<th>DO YOU WANT TO PROGRAM MORE KEYS?</th>
</tr>
</thead>
<tbody>
<tr>
<td>✗</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PRESS ENTER KEY</th>
</tr>
</thead>
</table>

FOLLOW the prompts on the screen. PERFORM the steps carefully.

<table>
<thead>
<tr>
<th>PROGRAM KEYS</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROCEDURE COMPLETE</td>
</tr>
<tr>
<td>KEYS PROGRAMMED: 01</td>
</tr>
<tr>
<td>CHECK ENGINE STARTS</td>
</tr>
</tbody>
</table>

PROCEDURE COMPLETE!
HYUNDAI & KIA SECTION

T-CODE SOFTWARE PACKS:

Hyundai & Kia USA (ADS-118)

Kia CAN (ADS-147)

Hyundai and Kia 2012 (ADS-196)

(Software names generally refer to the date of release on the T-CODE not the years of vehicles covered).

CAN stands for Controller Area Network, not Canada.
<table>
<thead>
<tr>
<th>Year</th>
<th>Model</th>
<th>Ignition Type</th>
<th>OEM System Smart Card PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
<th>Check with dealer or distributor for correct part to use</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012-2013</td>
<td>Accent (Hyundai)</td>
<td>Keyed Ignition</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td><strong>Select by Vehicle CAN 3</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>A-Black</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder</td>
<td></td>
<td>Or SD</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2006-2011 Accent (Hyundai)</td>
<td>Keyed Ignition</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td><strong>Select by Vehicle CAN 4</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder</td>
<td></td>
<td>A-Black</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2007-2009 Amanti (Kia)</td>
<td>Keyed Ignition</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td><strong>Select by Vehicle</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>PIN Code required from Kia dealer or N.A.S.T.F. All are transponder equipped.</td>
<td></td>
<td>A-Black</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2004-2006 Amanti (Kia)</td>
<td>Keyed Ignition</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td><strong>Select by Vehicle</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>PIN Code required from Kia dealer or N.A.S.T.F. All are transponder equipped.</td>
<td></td>
<td>A-Black</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2012-2015 Azera (Hyundai)</td>
<td>Proximity Start Button Ignition</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td><strong>Select by Vehicle USA Genesis PROX 13-14</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>PIN Code required from Hyundai dealer or N.A.S.T.F.</td>
<td></td>
<td>A-Black</td>
<td></td>
</tr>
</tbody>
</table>

**WARNING**: Used Prox remotes for Hyundai & Kia. Prox keys that are not BRAND NEW (have been used on another car) cannot be re-used. There are lots of so-called “unlocked” or “re-furbished” Prox fobs being sold on the internet. Some can be good quality and almost like new but be very careful as you sometimes “get what you pay for”.

**TOKEN WARNING**: MVP will go all the way thru and use a token even if the Prox is not accepted. Brand new keys from a reputable dealer program in 100% without issue. Also, keep in mind, 2010 & 2011 models only accept 2 Prox max. Some 2013 models may accept up to 3 Prox max.
### 2006-2011 AZERA (Hyundai) with Keyed Ignition

<table>
<thead>
<tr>
<th>OEM / ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM: 81996-3L010 HY20PT</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder

### 2009-2011 BORREGO (Kia) with Optional Proximity Start Button Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

PIN Code required from dealer or N.A.S.T.F.

### 2009-2011 BORREGO (Kia) with Keyed Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM Key: 81996-2J010</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder

### 2014-2015 CADENZA (Kia) with Proximity Start Button Ignition

<table>
<thead>
<tr>
<th>DEALER</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

PIN Code required from dealer or N.A.S.T.F.

### 2014-2016 ELANTRA (Hyundai) with Proximity Start Button Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

**Note:** PIN Code required from Hyundai dealer or N.A.S.T.F.

### 2011-2013 ELANTRA (Hyundai) with Proximity Start Button Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

PIN Code required from Hyundai dealer or N.A.S.T.F.
### 2006-2013 ELANTRA (Hyundai) with Keyed Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle CAN 3</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only.

### 2006-2010 ENTOURAGE (Kia) with Keyed Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle CAN 3</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder

### 2006-2007 ENTOURAGE (Kia) with Keyed Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle TYPE 1</td>
<td>Yes</td>
<td>Yes 2345</td>
<td>No</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder

### 2013-2015 EQUUS (Hyundai) with Proximity Start Button Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hyundai PROX: 95440-3N470</td>
<td>Select by Vehicle Select Kia / K900</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

PIN Code required from Hyundai dealer or N.A.S.T.F.

### 2014-2017 FORTE (Kia) with Proximity Start Button Ignition

<table>
<thead>
<tr>
<th>DEALER</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

PIN Code required from dealer or N.A.S.T.F.

### 2011-2013 FORTE (Kia) with Proximity Start Button Ignition

<table>
<thead>
<tr>
<th>DEALER</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

PIN Code required from dealer or N.A.S.T.F.
### 2014-2015 FORTÉ (HYUNDAI) WITH KEYED IGNITION

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder

### 2009-2013 FORTÉ WITH KEYED IGNITION

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder

### 2013-2016 GENESIS (HYUNDAI) 4 DOOR WITH PROXIMITY START BUTTON IGNITION

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

PIN Code required from Hyundai dealer or N.A.S.T.F.

### 2009-2013 GENESIS (HYUNDAI) 4 DOOR WITH PROXIMITY START BUTTON IGNITION

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hyundai PROX: 95440-3M100 Emergency Key: 81999-3M020</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

PIN Code required from Hyundai dealer or N.A.S.T.F.

### 2010-2013 GENESIS COUPE (HYUNDAI) WITH PROXIMITY START BUTTON IGNITION

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hyundai PROX: 95440-2M300 Emergency Key: 81996-2M020</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

PIN Code required from Hyundai dealer or N.A.S.T.F.

### 2010-2013 GENESIS COUPE (HYUNDAI) WITH KEYED IGNITION

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hyundai Key: 81996-2B010</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>A-Black Or SD</td>
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PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder
### 2015-2016 K900 (Kia) with Proximity Start Button Ignition

<table>
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<tr>
<th>OEM</th>
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<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td><strong>Select by Vehicle</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

PIN Code required from dealer or N.A.S.T.F. /

### 2008-2010 Magentis (Kia) with Keyed Ignition

<table>
<thead>
<tr>
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<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
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</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td><strong>Select by Vehicle</strong> CAN 3</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>A-Black Or SD</td>
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PIN Code required from Hyundai dealer or N.A.S.T.F.  Canadian models only, US Models are non-transponder

### 2006-2007 Magentis (Kia) with Keyed Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td><strong>Select by Vehicle</strong> Type 1</td>
<td>Yes</td>
<td>Yes 2345</td>
<td>No</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

PIN Code required from Hyundai dealer or N.A.S.T.F.  Canadian models only, US Models are non-transponder

### 2014-2016 Optima (Kia) with Proximity Start Button Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td><strong>Select by Vehicle</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

PIN Code required from Kia dealer or N.A.S.T.F.

### 2010-2013 Optima (Kia) with Proximity Start Button Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
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</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td><strong>Select by Vehicle</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

PIN Code required from Kia dealer or N.A.S.T.F.

### 2011-2013 Optima (Kia) with Keyed Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
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<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td><strong>Select by Vehicle</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

PIN Code required from Hyundai dealer or N.A.S.T.F.  Canadian models only, US Models are non-transponder
### 2011-2016 RIO (Kia) with Proximity Start Button Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

PIN Code required from Kia dealer or N.A.S.T.F.

### 2012-2016 RIO (Kia) with Keyed Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
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<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder

### 2006-2011 RIO (Kia) with Keyed Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder

### 2006-2011 RIO 5 (Kia) with Keyed Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
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PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder

### 2013-2015 SANTA FE (Hyundai) with Proximity Start Button Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

PIN Code required from Hyundai dealer or N.A.S.T.F.

### 2013-2015 SANTA FE (Hyundai) with Keyed Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder
### 2007-2012 Santa Fe (Hyundai) with Keyed Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder.

### 2004-2006 Santa Fe (Hyundai) with Keyed Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder.

### 2017 Sonata (Hyundai) with Proximity Start Button Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

PIN Code required from Hyundai dealer or N.A.S.T.F.

### 2007-2013 Sedona (Kia) with Keyed Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder.

### 2004-2006 Sedona (Kia) with Keyed Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle Type 1</td>
<td>Yes</td>
<td>Yes 2345</td>
<td>No</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder.

### 2014-2016 Sonata (Hyundai) with Proximity Start Button Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

PIN Code required from Hyundai dealer or N.A.S.T.F.
### 2011-2013 SONATA (HYUNDAI) WITH PROXIMITY START BUTTON IGNITION

<table>
<thead>
<tr>
<th>OEM / ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hyundai PROX: 95440-3Q000 Emergency Key: 81996-3S020</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

PIN Code required from Hyundai dealer or N.A.S.T.F.

### 2015-2016 SONATA (HYUNDAI) WITH KEYED IGNITION

<table>
<thead>
<tr>
<th>OEM / ILCO</th>
<th>SYSTEM</th>
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<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder

### 2011-2014 SONATA (HYUNDAI) (KIA) WITH KEYED IGNITION

<table>
<thead>
<tr>
<th>OEM / ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
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</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>A-Black Or SD</td>
</tr>
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</table>

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder

### 2014-2016 SORENTO (KIA) WITH OPTIONAL PROXIMITY START BUTTON IGNITION

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
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</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>A-Black Or SD</td>
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</tbody>
</table>

PIN Code required from dealer or N.A.S.T.F.

### 2011-2013 SORENTO (KIA) WITH PROXIMITY START BUTTON IGNITION

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
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<th>PIN Read</th>
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<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>A-Black Or SD</td>
</tr>
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</table>

PIN Code required from dealer or N.A.S.T.F.

### 2006 SORENTO (KIA) WITH KEYED IGNITION

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
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<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder
### 2004-2005 SORENTO (Kia) with Keyed Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
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<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle Type 1</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
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PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder.

### 2011-2016 SOUL (Kia) with Proximity Start Button Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
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<th>PIN Read</th>
<th>PRO Dongle</th>
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<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

PIN Code required from Kia dealer or N.A.S.T.F.

### 2011-2013 SOUL (Kia) with Proximity Start Button Ignition

<table>
<thead>
<tr>
<th>OEM</th>
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<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

PIN Code required from Kia dealer or N.A.S.T.F.

### 2014-2015 SOUL (Kia) with Keyed Ignition

<table>
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<tr>
<th>OEM</th>
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<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>A-Black Or SD</td>
</tr>
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</table>

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder.

### 2011-2013 SOUL (Kia) with Keyed Ignition

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<td>Select by Vehicle</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
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PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder.

### 2007-2012 SPECTRA / SPECTRA 5 (Kia) with Keyed Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle CAN 3</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder.
## 2004-2006 SPECTRA / SPECTRA 5 (Kia) WITH KEYED IGNITION

### OEM SYSTEM SMART Card PIN Required PIN Read PRO Dongle

| Check with dealer or distributor for correct part to use | Select by Vehicle | Yes | Yes | No | A-Black Or SD |

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder

## 2011-2015 SPORTAGE (Kia) WITH PROXIMITY START BUTTON IGNITION

### OEM SYSTEM SMART Card PIN Required PIN Read PRO Dongle

| Check with dealer or distributor for correct part to use | Select by Vehicle | Yes | Yes | No | A-Black Or SD |

PIN Code required from Kia dealer or N.A.S.T.F.

## 2007-2013 SPORTAGE (Kia) WITH KEYED IGNITION

### OEM SYSTEM SMART Card PIN Required PIN Read PRO Dongle

| Check with dealer or distributor for correct part to use | Select by Vehicle CAN 3 | Yes | Yes | No | A-Black Or SD |

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder

## 2006 SPORTAGE WITH KEYED IGNITION

### OEM SYSTEM SMART Card PIN Required PIN Read PRO Dongle

| Check with dealer or distributor for correct part to use | Select by Vehicle | Yes | Yes | No | A-Black Or SD |

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder

## 2007-2008 TIBURON (HYUNDAI) WITH KEYED IGNITION

### OEM SYSTEM SMART Card PIN Required PIN Read PRO Dongle

| Check with dealer or distributor for correct part to use | Select by Vehicle CAN 3 | Yes | Yes | No | A-Black Or SD |

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder

## 2003-2006 TIBURON (HYUNDAI) WITH KEYED IGNITION

### OEM SYSTEM SMART Card PIN Required PIN Read PRO Dongle

| Check with dealer or distributor for correct part to use | Select by Vehicle Type 2 | Yes | Yes | No | A-Black Or SD |

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder
### MVP & T-CODE PRO

#### HYUNDAI & KIA

<table>
<thead>
<tr>
<th>Model</th>
<th>System</th>
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<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>TUCSON (HYUNDAI) with Proximity Start Button Ignition</strong></td>
<td>ADS-196</td>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>2012-2016 VELOSTER (HYUNDAI) with Proximity Start Button Ignition</td>
<td>ADS-196</td>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>2007-2012 VERACRUZ (HYUNDAI) with Proximity Twist Ignition</td>
<td>ADS-147</td>
<td>Hyundai PROX: 95440-3J600 Emergency Key: 81996-2B020</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>2007-2011 VERACRUZ (HYUNDAI) with Keyed Ignition</td>
<td>ADS-147</td>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle Type 2</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder.
**2006 VERACRUZ (HYUNDAI) with Keyed Ignition**

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle Type 1</td>
<td>Yes</td>
<td>Yes 2345</td>
<td>No</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder.

**2004-2005 XG350 (HYUNDAI) with Keyed Ignition**

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>Select by Vehicle Type 1</td>
<td>Yes</td>
<td>Yes 2345</td>
<td>No</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, **US Models are non-transponder**

---

**WARNING**

Used Prox remotes for Hyundai & Kia. Prox keys that are not BRAND NEW (have been used on another car) cannot be re-used. There are lots of so-called “unlocked” or “re-furbished” Prox fobs being sold on the internet. Some can be good quality and almost like new but be very careful as you sometimes “get what you pay for”.

**TOKEN WARNING:** MVP will go all the way thru and use a token even if the Prox is not accepted. Brand new keys from a reputable dealer program in 100% without issue. Also, keep in mind, 2010 & 2011 models only accept 2 Prox max. Some 2013 models may accept up to 3 Prox max.
PIN CODE CONVERTER FOR PRE-2007 MODELS

Use this method to USE THE PIN CONVERTER

START HERE:

Select:
+HYUNDAI
OR
+KIA
+PIN CODES
+6 DIGIT VIN TO PIN

Enter the last 6 numbers of the VIN of the car you are working on.

ENTER VIN

1 2 3 4 5 6

(JUST AN EXAMPLE)

IS CODE CORRECT
OK=ENTER CLEAR=BACK

PINCODE CONVERTER

PRESS ENTER KEY

ENTER VIN

_ _ _ _ _ _

(VIN TO PINCODE
PLEASE WAIT

. . .

PIN: 777666

(JUST AN EXAMPLE)

PRESS ENTER KEY

>>>>>>USE CAREFULLY<<<<<<USE CAREFULLY<<<<<<

This Pin Code converter is only for vehicles made BEFORE 2007. Vehicles after 2007 require a conversion performed from the whole 17 digit VIN.

Also, older models listed as Type 1 use a fixed pin of 2345
## HYUNDAI EARLY BLADED & CAN BLADED KEY IGNITION SYSTEMS

### SPECIAL FUNCTIONS

<table>
<thead>
<tr>
<th>Program Keys</th>
<th>T-Code Software #</th>
<th>Cable / Dongle</th>
<th>Max # of Keys</th>
<th>Smart Dongle?</th>
<th>Keys</th>
<th>Security</th>
</tr>
</thead>
<tbody>
<tr>
<td>Erases all currently programmed keys from memory. Programs only keys used during the procedure.</td>
<td>ADS-118 / ADS-147</td>
<td>ADC-250 / ADC-251</td>
<td></td>
<td>YES</td>
<td>PIN CODE REQUIRED</td>
<td>TYPE1 uses fixed code of 2345, Later systems up to 2007 use conversion of last 6 digits of VIN, use conversion software, mid 07 and up use FULL VIN to convert, via Dealer or NASTF.</td>
</tr>
</tbody>
</table>

**Neutral Mode** - Not applicable to USA, do not use.

**Limp home Mode** - Not applicable to USA, do not use.

<<<INITIAL COMMS MAY TAKE A FEW TRIES>>>>>

>>TURNING ON THE HAZARD LIGHTS MAY HELP<<

### COMPONENTS MATCHED?

YES, Immo & BCM / PCM

### MATCHING CAPABILITY?

NONE

### Dealer Equipment Needed to Match Components if Changed

### Security Light / Theft Indicator:

Light should be out at end of procedure. If theft light blinks or comes on steady the key/keys have not been accepted.

### Tips:

Be patient with initial communcation, it can normally take a few tries to connect. Turning on the hazard lights on the vehicle can help with this.

### Watch Video - How to Avoid Locking the Immo

**MORE INFO:**

---

Advanced Diagnostics USA Manual for MVP & T-CODE - © 2017
EARLY BLADED KEY IGNITION

Use this method to PROGRAM KEYS

START HERE:

Select:
+HYUNDAI
+KIA
+IMMOBILIZER
+BY VEHICLE
+MODEL (IE. +AZERA)
+YEAR (IE. +2006-2007)

SWITCH IGNITION ON
PRESS ENTER KEY

ECU IDENTIFICATION
HYUNDAI IMMO.
PRESS ENTER KEY

NOTE: TYPE 1 systems ask for a 4 digit pin, use 2345 in those cases.

Enter the Security Pincode
SECURITY CODE

If you are only programming one key, you can disconnect from the car and try your key, otherwise you can add more keys.

SWITCH IGNITION OFF
REMOVE KEY
INSERT NEXT KEY
SWITCH IGNITION ON
PRESS ENTER KEY

PROGRAM KEYS
WARNING ALL KEYS WILL BE ERASED CONTINUE?
OK=ENTER CLEAR=BACK

SECURITY CODE

IS CODE CORRECT
OK=ENTER CLEAR=BACK

ACCESS GAINED
PRESS ENTER KEY

PROGRAM KEYS
KEY PROGRAMMED PROGRAM NEXT KEY?
OK=ENTER CLEAR=BACK

Use this method to PROGRAM KEYS

REQUIRES SMART CARD CALCULATOR OR WEB APP
USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

Advanced Diagnostics USA Manual for MVP & T-CODE - © 2017
START HERE:

Select:
+HYUNDAI
OR
+KIA
+IMMOBILIZER
+BY VEHICLE
+MODEL
+YEAR

PICK THE MAKE AND YEAR YOU ARE WORKING ON

Use this method to PROGRAM KEYS

The 6-Digit PIN is now required.
DEALER or NASTF

The 6-Digit PIN is now required.
DEALER or NASTF

DIAGNOSTIC MENU

> KEY PROGRAMMING

NEUTRAL MODE
LIMP HOME MODE

USE ONLY "KEY PROGRAMMING"
DO NOT USE NEUTRAL MODE OR LIMP HOME, These functions are not for USA.

SWITCH IGNITION ON
PRESS ENTER KEY

ECU IDENTIFICATION

HYUNDAI CAN
PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
LIVE DATE
> SPECIAL FUNCTIONS

PRESS ENTER KEY

SECURITY CODE

1 2 3 4 5
6 7 8 9 0

KEY PROGRAMMING

KEY PROGRAMMED
BACK TO EXIT.
ENTER TO PROGRAM NEXT KEY

KEY PROGRAMMING

PROCEDURE COMPLETE

USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

REQUIRES SMART CARD CALCULATOR OR WEB APP

Be patient. It can take several tries to communicate initially. Turning on the HAZARD lights can help.

USE ONLY "KEY PROGRAMMING"
DO NOT USE NEUTRAL MODE OR LIMP HOME, These functions are not for USA.
Use this method to PROGRAM REMOTES

START HERE:

Select:
+HYUNDAI
OR
+KIA
+REMOTES
+BY VEHICL
+MODEL
+YEAR

PICK THE MAKE AND YEAR YOU ARE WORKING ON

MVP & T CODE PRO
HYUNDAI & KIA

REMTES

SWITCH IGNITION ON
PRESS ENTER KEY

PRESS LOCK BUTTON
PING SHOULD BE HEARD
PRESS BACK IF NOT

DIAGNOSTIC MENU
ECU IDENTIFICATION
> SPECIAL FUNCTIONS
PRESS ENTER KEY

TRANS REGISTERED
PROGRAM NEXT REMOTE?
OK=ENTER CLEAR=BACK

DIAGNOSTIC MENU
PROGRAM KEYS
KEY INFORMATION
> PROGRAM REMOTE
PRESS ENTER KEY

PROGRAM REMOTE
TURN OFF IGN AND REMOVE KEY
PRESS ENTER KEY

PROGRAMMING FAILED
CHECK ANTENNA AND TRANSPONDER
PRESS ENTER KEY

NOTE FOR KIA AMANTI:
2004 Models:
Do not turn off ignition, press Enter to continue.

2005 Models:
Remove the key, press Enter to continue.

ECU IDENTIFICATION
HYUNDAI KIA REMOTE
PRESS ENTER KEY

NOTE FOR KIA AMANTI:
2004 Models:
Do not turn off ignition, press Enter to continue.

2005 Models:
Remove the key, press Enter to continue.
# Hyundai Remotes

<table>
<thead>
<tr>
<th>HYUNDAI</th>
<th>HYUNDAI REMOTES (Pick “KIA / REMOTES / BY VEHICLE” from menus on tool)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MODEL</td>
<td>FROM</td>
</tr>
<tr>
<td>ACCENT</td>
<td>2002</td>
</tr>
<tr>
<td>ACCENT</td>
<td>2006</td>
</tr>
<tr>
<td>ACCENT</td>
<td>2012</td>
</tr>
<tr>
<td>AZERA</td>
<td>2006</td>
</tr>
<tr>
<td>ELANTRA</td>
<td>2001</td>
</tr>
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<td>ELANTRA</td>
<td>2004</td>
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<td>ELANTRA</td>
<td>2007</td>
</tr>
<tr>
<td>ELANTRA</td>
<td>2007</td>
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<tr>
<td>ENLANTRA</td>
<td>2011</td>
</tr>
<tr>
<td>ENTOURAGE</td>
<td>2007</td>
</tr>
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<td>ENTOURAGE</td>
<td>2007</td>
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<tr>
<td>GENESIS</td>
<td>2009</td>
</tr>
<tr>
<td>SANTA FE</td>
<td>2001</td>
</tr>
<tr>
<td>SANTA FE</td>
<td>2007</td>
</tr>
<tr>
<td>SONATA</td>
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<td>2013</td>
</tr>
<tr>
<td>TIBURON</td>
<td>2003</td>
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<tr>
<td>TIBURON</td>
<td>2006</td>
</tr>
<tr>
<td>TUCSON</td>
<td>2005</td>
</tr>
<tr>
<td>TUCSON</td>
<td>2010</td>
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<tr>
<td>TUCSON</td>
<td>2016</td>
</tr>
<tr>
<td>VERACRUZ</td>
<td>2007</td>
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<tr>
<td>XG300</td>
<td>2001</td>
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**WATCH VIDEO-**

14 SONATA REMOTE PROGRAMMING
## Kia Remotes

<table>
<thead>
<tr>
<th>MODEL</th>
<th>FROM</th>
<th>TO</th>
<th>FCC#</th>
<th>BUTTONS</th>
<th>PORT</th>
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<tbody>
<tr>
<td>AMANTI</td>
<td>2004</td>
<td>2005</td>
<td>KR55WY8404</td>
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<td>AMANTI</td>
<td>2006</td>
<td>2008</td>
<td>OSLOKA-310T</td>
<td>4</td>
<td>OBD2</td>
</tr>
<tr>
<td>BORREGO</td>
<td>2009</td>
<td>2011</td>
<td>SV3-100060233</td>
<td>3</td>
<td>OBD2</td>
</tr>
<tr>
<td>BORREGO</td>
<td>2009</td>
<td>2011</td>
<td>SV3-100060233</td>
<td>5</td>
<td>OBD2</td>
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<tr>
<td>BORREGO</td>
<td>2009</td>
<td>2011</td>
<td>SV3-100060233</td>
<td>6</td>
<td>OBD2</td>
</tr>
<tr>
<td>FORTE</td>
<td>2010</td>
<td>2014</td>
<td>PINHA-T008</td>
<td>2</td>
<td>OBD2</td>
</tr>
<tr>
<td>FORTE</td>
<td>2015</td>
<td>2016</td>
<td>NYODD4TX1306-TFL</td>
<td>4 (FLIP KEY)</td>
<td>OBD2</td>
</tr>
<tr>
<td>OPTIMA</td>
<td>2001</td>
<td>2002</td>
<td>PLNBONTSEC-T009</td>
<td>3</td>
<td>10PIN</td>
</tr>
<tr>
<td>OPTIMA</td>
<td>Mid2003</td>
<td>Mid2006</td>
<td>PLNBONTSEC-T011</td>
<td>4</td>
<td>20PIN</td>
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<tr>
<td>OPTIMA</td>
<td>Mid2006</td>
<td>2014</td>
<td>OSLOKA-310T</td>
<td>3</td>
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<tr>
<td>OPTIMA</td>
<td>2015</td>
<td>-</td>
<td>Requires V12.96+</td>
<td>-</td>
<td>OBD2</td>
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<tr>
<td>RIO</td>
<td>2003</td>
<td>2005</td>
<td>NYOSEKS-09TX</td>
<td>2</td>
<td>20PIN</td>
</tr>
<tr>
<td>RIO</td>
<td>2006</td>
<td>2007</td>
<td>NYOSEKS-09TX</td>
<td>2</td>
<td>OBD2</td>
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<td>OBD2</td>
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<td>SEDONA</td>
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<tr>
<td>SEDONA</td>
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<td>4 (FLIP KEY)</td>
<td>OBD2</td>
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</tr>
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<tr>
<td>SORENTO</td>
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<td>2016</td>
<td>NYODD4TX1306-TFL</td>
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<tr>
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<td>20PIN</td>
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<td>NYOSEKS-09TX</td>
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<tr>
<td>SOUL</td>
<td>2010</td>
<td>-</td>
<td>NYOSEKS-AM08TX</td>
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<td>SOUL</td>
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<td>2013</td>
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<td>OBD2</td>
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<tr>
<td>SOUL</td>
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<td>2016</td>
<td>NYODD4TX1306-TFL</td>
<td>4 (FLIP KEY)</td>
<td>OBD2</td>
</tr>
</tbody>
</table>
**PROX MODELS WITH A PROGRAMMING SLOT**

### SPECIAL FUNCTIONS

**KEEP IN MIND THIS SYSTEM WILL ONLY ACCEPT 2 PROX MAX.**

**PROGRAM PROX** - Erases all currently programmed keys from memory. Programs only keys used during the procedure.

You do not need to turn the ignition ON to communicate and start the programming. Simply insert the PROX in the ignition and communicate with the Immobilizer in the OFF position. Follow the screen prompts which are pretty simple.

<<<INITIAL COMMS MAY TAKE A FEW TRIES>>>>>

>>TURNING ON THE HAZARD LIGHTS MAY HELP<<

### T-CODE SOFTWARE #

<table>
<thead>
<tr>
<th>T-CODE SOFTWARE #</th>
<th>CABLE / DONGLE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADS-</td>
<td>ADC-250 / ADC-251</td>
</tr>
</tbody>
</table>

### MAX # OF KEYS:

<table>
<thead>
<tr>
<th>MAX # OF KEYS:</th>
<th>SMART DONGLE?</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>YES</td>
</tr>
</tbody>
</table>

### KEYS:

<table>
<thead>
<tr>
<th>KEYS:</th>
<th>SECURITY:</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Keys must be virgin.</td>
<td>PIN CODE REQUIRED (See notes in MORE INFO below)</td>
</tr>
</tbody>
</table>

### COMPONENTS MATCHED?

<table>
<thead>
<tr>
<th>COMPONENTS MATCHED?</th>
</tr>
</thead>
<tbody>
<tr>
<td>YES, Immo &amp; BCM / PCM</td>
</tr>
</tbody>
</table>

### MATCHING CAPABILITY?

<table>
<thead>
<tr>
<th>MATCHING CAPABILITY?</th>
</tr>
</thead>
<tbody>
<tr>
<td>NONE</td>
</tr>
</tbody>
</table>

### DEALER EQUIPMENT NEEDED TO MATCH COMPONENTS IF CHANGED

<table>
<thead>
<tr>
<th>SECURITY LIGHT / THEFT INDICATOR:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light should be out at end of procedure. If theft light blinks or comes on steady the key/keys have not been accepted.</td>
</tr>
</tbody>
</table>

### WATCHING VIDEOS:

- **2013 KIA OPTIMA**
- **2011 HYUNDAI SONATA**

### MORE INFO:

**REQUIRES PIN CODE CONVERTED FROM FULL VIN BY NASTF OR DEALER**

Be mindful not to try the new pin 3 times in a row because just like in baseball 3 strikes and your out! In other words the immo will lock after 3 attempts with the wrong pin. If Immo becomes locked solution is to leave the car alone for 1 hour.

**WATCH VIDEO - HOW TO AVOID LOCKING THE IMMO**
# PROX MODELS WITH A PROGRAMMING SLOT

Use this method to PROGRAM PROX

## START HERE:
Select:
+HYUNDAI
OR
+KIA
+PROXIMITY
+BY VEHICLE
+MODEL
+YEAR

Pick the exact year and model you are working on.

Make sure you have ready and program all the prox you want to work in one session.

**IMPORTANT NOTE:**
Most HYUNDAI KIA PROX systems only accept 2 PROX MAX. Some 2013+ models may accept up to 3 Max.

**LEAVE IGNITION OFF**

Press enter key

Be patient
It can take several tries to communicate initially. Turning on the HAZARD lights can help.

## DIAGNOSTIC MENU

<table>
<thead>
<tr>
<th>ECU IDENTIFICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>HYUNDAI KIA PROX</td>
</tr>
</tbody>
</table>

Press enter key

## DIAGNOSTIC MENU

<table>
<thead>
<tr>
<th>SPECIAL FUNCTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECU IDENTIFICATION</td>
</tr>
<tr>
<td>LIVE DATE</td>
</tr>
<tr>
<td>&gt; SPECIAL FUNCTIONS</td>
</tr>
</tbody>
</table>

Press enter key

## DIAGNOSTIC MENU

<table>
<thead>
<tr>
<th>PROX PROGRAMMING</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEUTRAL MODE</td>
</tr>
<tr>
<td>PROX PROGRAMMED</td>
</tr>
</tbody>
</table>

Do not use "Neutral Mode" it is for matching changed parts.

**CLEAR PROX**

Warning all PROX will be cleared. Continue

Press enter key

**CONTINUED ON NEXT PAGE**
PROX MODELS WITH A PROGRAMMING SLOT

Use this method to PROGRAM PROX - Cont’d

YOU MUST HAVE A PROX IN THE SLOT HERE OR PROCEDURE WILL FAIL - SEE SLOT LOCATIONS ON NEXT PAGES.

6-Digit PIN is required.
DEALER or NASTF

IT MAY TAKE A FEW MOMENTS FOR THE SYSTEM TO ADJUST ITSELF AND FOR THE PROX TO START WORKING IMMEDIATELY AFTER PROGRAMMING

SECURITY CODE

_ _ _ _ _ _

1 2 3 4 5
6 7 8 9 0

PROX PROGRAMMING

KEY PROGRAMMED
BACK’ TO EXIT.
ENTER TO PROGRAM
NEXT KEY

TROUBLESHOOTING
1. If incorrect pin code is entered 3 times immo will “LOCK”.
To unlock:
Prox models leave car alone with good battery charge for 1 hr then use correct pin code.

2. If “incorrect access code is displayed after entering pin code, immo is either “locked” or pin is incorrect.

3. Used keys (taken from another car) cannot be programmed. Procedure will go all the way thru and if using MVP will use a token. The used prox will not program and any prox in system will not be erased. Use only brand new factory keys from a trusted source!

IF YOU ARE PROGRAMMING MORE THAN 1 PROX REMOVE THE 1ST PROX FROM THE SLOT AND PLACE THE 2ND PROX IN THE SLOT BEFORE PROCEEDING.

PRESS ENTER KEY

PROCEDURE COMPLETE
PROX MODELS WITH A PROGRAMMING SLOT

**PROX SLOT LOCATIONS**

Kia Forte, Sportage, and Sorento and Hyundai Sonata (prior to 2014) Located inside center console.

Kia Magentis also uses a slot in the center console

Hyundai Genesis, built before 2014 the slot is located behind a door above the shifter.

Kia Optima (prior to 2014) and Soul and Hyundai Equus, the slot is located in the glove box. The slot is a little higher in the Equus

Kia Borrego, the slot is located in the dash just below the Start /Stop ignition button.

Kia Rio, Sorento (lacking a slot in the console), Cadenza and Optima (2014 and on) and Hyundai Elantra, Veloster, Azera, Sonata (after 2014) and Genesis (after 2014) do not use a slot.
### SPECIAL FUNCTIONS

**KEEP IN MIND THIS SYSTEM MAY ONLY ACCEPT 2 PROX MAX.**

**PROGRAM PROX** - Erases all currently programmed keys from memory.

Programs only keys used during the procedure.

You do not need to turn the ignition ON to communicate and start the programming. Communicate with the Immobilizer in the OFF position. Follow the screen prompts which are pretty simple.

### T-Code Software #

<table>
<thead>
<tr>
<th>T-Code Software #</th>
<th>Cable / Dongle:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADS-</td>
<td>ADC-250 / ADC-251</td>
</tr>
</tbody>
</table>

### Max # of Keys: SMART DONGLE?

<table>
<thead>
<tr>
<th>Max # of Keys</th>
<th>SMART DONGLE?</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>YES</td>
</tr>
</tbody>
</table>

### Keys: SECURITY:

- New Keys must be virgin.
- PIN Code REQUIRED (See notes in MORE INFO below)

### Components Matched?

- YES, Immo & BCM / PCM

### Matching Capability?

- NONE
- Dealer Equipment needed to match components if changed

### Security Light / Theft Indicator:

Light should be out at end of procedure. If theft light blinks or comes on steady the key/keys have not been accepted.

### Tips:

- <<<<INITIAL COMMS MAY TAKE A FEW TRIES>>>>>
- >>TURNING ON THE HAZARD LIGHTS MAY HELP<<

### More Info:

**requires pin code converted from full vin by nastf or dealer**

Be mindful not to try the new pin 3 times in a row because just like in baseball 3 strikes and you're out!

In other words the immo will lock after 3 attempts with the wrong pin.

If Immo becomes locked solution is to leave the car alone for 1 hour.

**Watch video - how to avoid locking the immo**
**HYUNDAI & KIA**

**PROX NO SLOT**

**Use this method to PROGRAM PROX KEYS**

**START HERE:**

Select:
+ HYUNDAI 
+ KIA 
+ IMMOBILIZER 
+ MODEL (IE. ACCENT) 
+ YEAR (IE. ->2011)

**MAKE SURE YOU HAVE ALL THE PROX YOU WANT TO PROGRAM READY**

Leave Pushbutton **OFF**. It may take several attempts to Communicate. Turning the hazard lights on usually helps to gain communication in the beginning.

**ECU IDENTIFICATION**

HYUNDAI / KIA PROXIMITY

**PRESS ENTER KEY**

**DIAGNOSTIC MENU**

- ECU IDENTIFICATION
- SPECIAL FUNCTIONS

**PRESS ENTER KEY**

**DIAGNOSTIC MENU**

- KEYS PROGRAMMED
  > CLEAR/ PROGRAM PROX.

There is NO Learning Slot on these models.

**CLEAR PROX**

WARNING ALL PROX WILL BE CLEARED CONTINUE

**CLEAR/ PROGRAM PROX**

SWITCH IGNITION OFF PLEASE HAVE THE REMOTE READY TO PROGRAM

The Pushbutton should still be **OFF**.

The 6-Digit PIN is required. (DEALER or NASTF)

**SECURITY CODE**

- - - - -

<p>| | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>0</td>
</tr>
</tbody>
</table>
PROX
NO SLOT

Use this method to PROGRAM PROX KEYS - CONT’D

KEY PROGRAMMING

AFTER PRESSING ENTER
PRESS START / STOP BUTTON
WITH REMOTE WITHIN
5 SECONDS.

PRESS ENTER KEY

THERE IS NO
PROGRAMMING SLOT
Hold the tip of the PROX remote up to the
START/STOP button (as shown).

Use the tip of the PROX remote to push and
release the START / STOP Button once to
register the prox.

KEY PROGRAMMING

BACK TO EXIT
ENTER TO PROGRAM NEXT KEY

PRESS ENTER KEY

Press ENTER on the PRO to program another
prox. (if desired)
You will again be prompted to hold the next
prox up to the START / STOP button.

Press back to EXIT.

KEY PROGRAMMING

PROCEDURE COMPLETE

PRESS ENTER KEY

DIAGNOSTIC MENU

> KEYS PROGRAMMED
CLEAR/PROGRAM PROX.

Always check “KEYS PROGRAMMED”
to verify how many PROX are
programmed.

TROUBLESHOOTING

1. If incorrect pin code is entered 3 times immo
will “LOCK”.
To unlock:
Prox models leave car alone with good battery
charge for 1 hr then use correct pin code.

2. If “incorrect access code is displayed after
entering pin code, immo is either “locked” or pin
is incorrect.

3. Used keys (taken from another car) cannot
be programmed.
Procedure will go all the way thru and if using
MVP will use a token.
The used prox will not program and any prox in
system will not be erased.
Use only brand new factory keys from a trusted
source!
SPECIAL FUNCTIONS

KEEP IN MIND THIS SYSTEM WILL ONLY ACCEPT 2 PROX MAX.

PROGRAM KEYS - Erases all currently programmed keys from memory.

Programs only keys used during the procedure.

You do not need to turn the ignition ON to communicate and start the programming. Simply insert the PROX in the ignition and communicate with the Immobilizer in the OFF position. Follow the screen prompts which are pretty simple so we are not showing a walk thru here.

<<<INITIAL COMMS MAY TAKE A FEW TRIES>>>>

>>TURNING ON THE HAZARD LIGHTS MAY HELP<<

TIPS:

Be patient with initial communication, it can normally take a few tries to connect. Turning on the hazard lights on the vehicle can help with this.

MORE INFO:

Most 2009> Veracruz vehicles use the OLD pin code pin, which means you can probably use the calculator software using the last 6 digits of the VIN.

Try the new pin first and if you receive an "access denied" message try the Old pincode.

Be mindful not to try the new pin 3 times in a row because just like in baseball 3 strikes and your out! In other words the immo will lock after 3 attempts with the wrong pin. If Immo becomes locked solution is to leave the car alone for 1 hour.
INFINITI & NISSAN SECTION

T-CODE SOFTWARE PACKS:

Nissan USA Basic (ADS-112)

Nissan CAN & Prox (ADS-159)

Nissan & Infiniti 20-Digit (ADS-197)

Nissan 20 Digit Pin Code Bypass (ADS-198SD)

(ADS-198SD is only available for Smart Dongle)

(Software names generally refer to the date of release on the T-CODE not the years of vehicles covered).

CAN stands for Controller Area Network, not Canada
<table>
<thead>
<tr>
<th>Year</th>
<th>Model</th>
<th>System Information</th>
<th>OEM</th>
<th>SMART Card PIN Required</th>
<th>PIN Read</th>
<th>Pro Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>2007-2009</td>
<td>350Z (Nissan)</td>
<td>ILCO N104PT USE BETA N. AMERICA BY VEHICLE, Yes PIN Required, Yes PIN Read</td>
<td></td>
<td></td>
<td></td>
<td>G-Tan Or SD</td>
</tr>
<tr>
<td>2003-2007</td>
<td>350Z (Nissan)</td>
<td>ILCO N104PT USE BETA N. AMERICA BY VEHICLE, Yes PIN Required, Yes PIN Read</td>
<td></td>
<td></td>
<td></td>
<td>A-Black Or SD</td>
</tr>
<tr>
<td>2009-2016</td>
<td>370Z (Nissan)</td>
<td>OEM Dealer Proximity Remote &amp; Key Required USE BETA N. AMERICA BY VEHICLE, Yes PIN Required, Yes PIN Read</td>
<td></td>
<td></td>
<td></td>
<td>G-Tan Or SD</td>
</tr>
<tr>
<td>2013-2016</td>
<td>Altima 4-Door</td>
<td>OEM Dealer Proximity Remote &amp; Key Required USE BETA N. AMERICA BY VEHICLE, Yes PIN Required, Yes PIN Read</td>
<td></td>
<td></td>
<td></td>
<td>G-Tan Or SD</td>
</tr>
<tr>
<td>2013-2014</td>
<td>Altima 2-Door</td>
<td>OEM Dealer Proximity Remote &amp; Key Required USE BETA N. AMERICA BY VEHICLE, Yes PIN Required, Yes PIN Read</td>
<td></td>
<td></td>
<td></td>
<td>G-Tan Or SD</td>
</tr>
<tr>
<td>2007-2012</td>
<td>Altima (Nissan)</td>
<td>OEM Dealer Proximity Remote &amp; Key Required USE BETA N. AMERICA BY VEHICLE, Yes PIN Required, Yes PIN Read</td>
<td></td>
<td></td>
<td></td>
<td>G-Tan Or SD</td>
</tr>
<tr>
<td>2005-2006</td>
<td>Altima (Nissan)</td>
<td>ILCO N104PT USE BETA N. AMERICA BY VEHICLE, Yes PIN Required, Yes PIN Read</td>
<td></td>
<td></td>
<td></td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

**Note:** 2007 was a split year. Some 2007 models are TYPE 4 and some are TYPE 9 CAN.
<table>
<thead>
<tr>
<th>Year</th>
<th>Model</th>
<th>OEM System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>2000</td>
<td>ALTIMA (NISSAN)</td>
<td>ILCO</td>
<td>SYSTEM</td>
<td>SMART Card</td>
<td>PIN Required</td>
<td>PIN Read</td>
</tr>
<tr>
<td>2007-2011</td>
<td>ALTIMA HYBRID (NISSAN) WITH PROXIMITY START BUTTON IGGITION</td>
<td>OEM</td>
<td>SYSTEM</td>
<td>SMART Card</td>
<td>PIN Required</td>
<td>PIN Read</td>
</tr>
<tr>
<td>2017</td>
<td>ARMADA (NISSAN) WITH PROXIMITY (NO PROG SLOT)</td>
<td>OEM</td>
<td>SYSTEM</td>
<td>SMART Card</td>
<td>PIN Required</td>
<td>PIN Read</td>
</tr>
<tr>
<td>2008-2016</td>
<td>ARMADA (NISSAN) WITH PROXIMITY TWIST IGNITION</td>
<td>OEM</td>
<td>SYSTEM</td>
<td>SMART Card</td>
<td>PIN Required</td>
<td>PIN Read</td>
</tr>
<tr>
<td>2004-2007</td>
<td>ARMADA (NISSAN)</td>
<td>ILCO</td>
<td>SYSTEM</td>
<td>SMART Card</td>
<td>PIN Required</td>
<td>PIN Read</td>
</tr>
</tbody>
</table>

**Note:** 2009+ models use the newer BCM conversion. Convert using ADC-198 dongle or ADS-198SD.
<table>
<thead>
<tr>
<th>Year</th>
<th>Model</th>
<th>System</th>
<th>OEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009-2015</td>
<td>CUBE (Nissan) with Proximity Start Button Ignition (no Prog Slot)</td>
<td>ADS-159</td>
<td>Dealer Proximity Remote &amp; Key Required</td>
<td>USE BETA N. AMERICA BY VEHICLE</td>
<td>Yes</td>
<td>Yes</td>
<td>G-Tan Or SD</td>
</tr>
<tr>
<td>2009-2015</td>
<td>CUBE (Nissan) with Key Ignition</td>
<td>ADS-159</td>
<td>N104PT</td>
<td>USE BETA N. AMERICA BY VEHICLE</td>
<td>Yes</td>
<td>Yes</td>
<td>G-Tan Or SD</td>
</tr>
<tr>
<td>2008-2012</td>
<td>EX35 (Infiniti) with Proximity Start Button Ignition</td>
<td>ADS-159</td>
<td>Dealer Proximity Remote &amp; Key Required</td>
<td>USE BETA N. AMERICA BY VEHICLE</td>
<td>Yes</td>
<td>Yes</td>
<td>G-Tan Or SD</td>
</tr>
<tr>
<td>2013</td>
<td>EX37 (Infiniti) with Proximity Start Button Ignition</td>
<td>ADS-159</td>
<td>Dealer Proximity Remote &amp; Key Required</td>
<td>USE BETA N. AMERICA BY VEHICLE</td>
<td>Yes</td>
<td>Yes</td>
<td>G-Tan Or SD</td>
</tr>
<tr>
<td>2005-2015</td>
<td>Frontier (Nissan)</td>
<td>ADS-159</td>
<td>N104PT</td>
<td>USE BETA N. AMERICA BY VEHICLE</td>
<td>Yes</td>
<td>Yes</td>
<td>A / G</td>
</tr>
<tr>
<td>2002-2004</td>
<td>Frontier (Nissan)</td>
<td>ADS-112</td>
<td>N102PT</td>
<td>USE BETA N. AMERICA BY VEHICLE</td>
<td>Yes</td>
<td>Yes</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

Note: 2009+ models use the newer BCM conversion. Convert using ADC-198 dongle or ADS-198SD.

Note: 2009+ models use the newer BCM conversion. Convert using ADC-198 dongle or ADS-198SD.

Note: 2009+ models use the newer BCM conversion. Convert using ADC-198 dongle or ADS-198SD.

Note: LATER MODELS USE G DONGLE. Transponder is optional. Most do not have it.

Note: Transponder is optional. Most do not have it.
<table>
<thead>
<tr>
<th>Year Range</th>
<th>Model (Infiniti)</th>
<th>Start Ignition Type</th>
<th>OEM System</th>
<th>SMART Card PIN Required</th>
<th>PIN Read</th>
<th>BCM Conversion</th>
<th>Proximity Remote &amp; Key Required</th>
<th>Dongle/Adapter</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009-2013</td>
<td>FX35 / FX37 / FX50</td>
<td>Proximity Start Button</td>
<td>PRO Dongle</td>
<td>Yes</td>
<td>Yes</td>
<td>Use BCM Conversion</td>
<td>Dealer Proximity Remote &amp; Key Required</td>
<td>G-Tan Or SD</td>
</tr>
<tr>
<td>2003-2008</td>
<td>FX35 / FX45</td>
<td>Proximity Twist</td>
<td>PRO Dongle</td>
<td>Yes</td>
<td>Yes</td>
<td>Use BCM Conversion</td>
<td>Dealer Proximity Remote &amp; Key Required</td>
<td>G-Tan Or SD</td>
</tr>
<tr>
<td>2008</td>
<td>FX35 / FX45</td>
<td>Key</td>
<td>PRO Dongle</td>
<td>Yes</td>
<td>Yes</td>
<td>Use BCM Conversion</td>
<td>N104PT</td>
<td>G-Tan Or SD</td>
</tr>
<tr>
<td>2003-2007</td>
<td>FX35 / FX45</td>
<td>Key</td>
<td>PRO Dongle</td>
<td>Yes</td>
<td>Yes</td>
<td>Use BCM Conversion</td>
<td>N104PT</td>
<td>A-Black Or SD</td>
</tr>
<tr>
<td>2000-2002</td>
<td>G20</td>
<td>Key</td>
<td>PRO Dongle</td>
<td>Yes</td>
<td>PIN: 5523</td>
<td>Not Needed</td>
<td>N102PT</td>
<td>A-Black Or SD</td>
</tr>
<tr>
<td>2011-2012</td>
<td>G25</td>
<td></td>
<td>PRO Dongle</td>
<td>Yes</td>
<td>Yes</td>
<td>Use BCM Conversion</td>
<td>Dealer Proximity Remote &amp; Key Required</td>
<td>G-Tan Or SD</td>
</tr>
<tr>
<td>2009+</td>
<td>Models</td>
<td>New BCM Conversion</td>
<td></td>
<td></td>
<td></td>
<td>Convert using ADC-198 dongle or ADS-198SD.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2005-2007 G35 2-Door (Infiniti) with Proximity Twist Ignition | ADS-159
<table>
<thead>
<tr>
<th>Year Range</th>
<th>Model (Infiniti)</th>
<th>Start Ignition Type</th>
<th>OEM System</th>
<th>SMART Card PIN Required</th>
<th>PIN Read</th>
<th>BCM Conversion</th>
<th>Proximity Remote &amp; Key Required</th>
<th>Dongle/Adapter</th>
</tr>
</thead>
<tbody>
<tr>
<td>2005-2007</td>
<td>G35 2-Door</td>
<td>Proximity Twist</td>
<td>PRO Dongle</td>
<td>Yes</td>
<td>Yes</td>
<td>Use BCM Conversion</td>
<td>Dealer Proximity Remote &amp; Key Required</td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>
### 2003-2007 G35 2-DOOR (INFINITI) WITH KEY IGNITION

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>N104PT</td>
<td>USE BETA N. AMERICA BY VEHICLE</td>
<td>Yes</td>
<td>Yes</td>
<td>Use BCM Conversion</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

### 2007-2008 G35 4-DOOR (INFINITI) WITH PROXIMITY START BUTTON IGNITION

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer Proximity Remote &amp; Key Required</td>
<td>USE BETA N. AMERICA BY VEHICLE</td>
<td>Yes</td>
<td>Yes</td>
<td>Use BCM Conversion</td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

### 2005-2006 G35 4-DOOR (INFINITI) WITH PROXIMITY TWIST IGNITION

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer Proximity Remote &amp; Key Required</td>
<td>USE BETA N. AMERICA BY VEHICLE</td>
<td>Yes</td>
<td>Yes</td>
<td>Use BCM Conversion</td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

### 2003-2006 G35 4-DOOR (INFINITI) WITH KEY IGNITION

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>N104PT</td>
<td>USE BETA N. AMERICA BY VEHICLE</td>
<td>Yes</td>
<td>Yes</td>
<td>Use BCM Conversion</td>
<td>A-Black</td>
</tr>
</tbody>
</table>

### 2008-2014 G37 (INFINITI) WITH PROXIMITY START BUTTON IGNITION

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer Proximity Remote &amp; Key Required</td>
<td>USE BETA N. AMERICA BY VEHICLE</td>
<td>Yes</td>
<td>Yes</td>
<td>Use BCM Conversion</td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

2009+ models use the newer BCM conversion. Convert using ADC-198 dongle or ADS-198SD.

### 2007-2014 GTR (NISSAN) WITH PROXIMITY START BUTTON IGNITION

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer Proximity Remote &amp; Key Required</td>
<td>USE BETA N. AMERICA BY VEHICLE</td>
<td>Yes</td>
<td>Yes</td>
<td>Use BCM Conversion</td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

2009+ models use the newer BCM conversion. Convert using ADC-198 dongle or ADS-198SD.

### 2000-2004 I30 / I35 (INFINITI)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>N102PT</td>
<td>USE BETA N. AMERICA BY VEHICLE</td>
<td>Yes</td>
<td>PIN: 5523</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>
## Advanced Diagnostics USA Manual for MVP & T-CODE

### INFINITI - NISSAN

<table>
<thead>
<tr>
<th>Year</th>
<th>Model</th>
<th>System</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle Type</th>
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</thead>
<tbody>
<tr>
<td>1999</td>
<td>I30</td>
<td>NSN11T2</td>
<td>No</td>
<td>No</td>
<td>B Red</td>
</tr>
</tbody>
</table>

Use ADC-136 old style Nissan cable. Key programming must be done with the OLD style port.

### 2011-2015 JUKE (NISSAN) with Proximity Start Button Ignition (No Prog Slot)

<table>
<thead>
<tr>
<th>OEM Systems</th>
<th>System</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>285E3-1KM0D or 285E3-1KM0A</td>
<td>USE BETA N. AMERICA BY VEHICLE</td>
<td>Yes</td>
<td>Yes</td>
<td>Use BCM Conversion</td>
</tr>
<tr>
<td>FCC# CWTWB1U808</td>
<td></td>
<td></td>
<td></td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

### 2011-2015 JUKE (NISSAN) with Key Ignition

<table>
<thead>
<tr>
<th>OEM Systems</th>
<th>System</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>N104PT</td>
<td>USE BETA N. AMERICA BY VEHICLE</td>
<td>Yes</td>
<td>Yes</td>
<td>Use BCM Conversion</td>
</tr>
</tbody>
</table>

Note: 2009+ models use the newer BCM conversion. Convert using ADC-198 dongle or ADS-198SD.

### 2013-2015 JX35 (INFINITI) with Proximity Start Button Ignition

<table>
<thead>
<tr>
<th>OEM Systems</th>
<th>System</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer Proximity Remote &amp; Key Required</td>
<td>USE BETA N. AMERICA BY VEHICLE TYPE13</td>
<td>Yes</td>
<td>*Not required if using SMART DONGLE</td>
<td>20-Digit Rolling Code</td>
</tr>
</tbody>
</table>

20 DIGIT DEALER PIN CODE available thru N.A.S.T.F. OR USE BYPASS NOW AVAILABLE

### 2011-2016 LEAF (NISSAN) with Proximity Start Button Ignition

<table>
<thead>
<tr>
<th>OEM Systems</th>
<th>System</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>285E3-1KM0D or 285E3-1KM0A</td>
<td>USE BETA N. AMERICA BY VEHICLE</td>
<td>Yes</td>
<td>Yes</td>
<td>Use BCM Conversion</td>
</tr>
<tr>
<td>FCC# CWTWB1U808</td>
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<td></td>
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<td>G-Tan Or SD</td>
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</table>

### 2012 M35H (INFINITI) with Proximity Start Button Ignition

<table>
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<tr>
<th>OEM Systems</th>
<th>System</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer Proximity Remote &amp; Key Required</td>
<td>USE BETA N. AMERICA BY VEHICLE</td>
<td>Yes</td>
<td>Yes</td>
<td>Use BCM Conversion</td>
</tr>
</tbody>
</table>

### 2009-2010 M35 / M45 (INFINITI) with Proximity Start Button Ignition

<table>
<thead>
<tr>
<th>OEM Systems</th>
<th>System</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer Proximity Remote &amp; Key Required</td>
<td>USE BETA N. AMERICA BY VEHICLE</td>
<td>Yes</td>
<td>Yes</td>
<td>Use BCM Conversion</td>
</tr>
</tbody>
</table>
## MVP & T-CODE PRO

### INFINITI - NISSAN

#### ADVANCED DIAGNOSTICS USA MANUAl FOR MVP & T-CODE - © 2017

<table>
<thead>
<tr>
<th>Model Year</th>
<th>Model</th>
<th>Ignition Type</th>
<th>OEM System</th>
<th>SMART Card PIN Required</th>
<th>PIN Read</th>
<th>Dongle Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>2006-2008</td>
<td>M35 / M45 (INFINITI)</td>
<td>PROXIMITY START Button Ignition</td>
<td>ADS-169</td>
<td>Yes</td>
<td>Yes</td>
<td>Use BCM Conversion</td>
</tr>
</tbody>
</table>

- **Parts Required:**
  - Dealer Proximity Remote & Key Required
  - Part# H0561-AR200

<table>
<thead>
<tr>
<th>Model Year</th>
<th>Model</th>
<th>Ignition Type</th>
<th>OEM System</th>
<th>SMART Card PIN Required</th>
<th>PIN Read</th>
<th>Dongle Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>2003-2004</td>
<td>M45 (INFINITI)</td>
<td>REMOTE KEY INSERT Ignition</td>
<td>ADS-112</td>
<td>Yes</td>
<td>Yes</td>
<td>Use BCM Conversion</td>
</tr>
</tbody>
</table>

- **Parts Required:**
  - Dealer Remote Key Req.
  - Part# H0561-AR200

<table>
<thead>
<tr>
<th>Model Year</th>
<th>Model</th>
<th>Ignition Type</th>
<th>OEM System</th>
<th>SMART Card PIN Required</th>
<th>PIN Read</th>
<th>Dongle Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011-2013</td>
<td>M37 / M56 (INFINITI)</td>
<td>PROXIMITY START Button Ignition</td>
<td>ADS-159</td>
<td>Yes</td>
<td>Yes</td>
<td>Use BCM Conversion</td>
</tr>
</tbody>
</table>

- **Parts Required:**
  - OEM = 285E3-1MP0D
  - FCC# CWTWB1U787

<table>
<thead>
<tr>
<th>Model Year</th>
<th>Model</th>
<th>Ignition Type</th>
<th>OEM System</th>
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<th>PIN Read</th>
<th>Dongle Type</th>
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</thead>
<tbody>
<tr>
<td>2016-2017</td>
<td>MAXIMA (NISSAN)</td>
<td>PROXIMITY START Button Ignition</td>
<td>ADS-197</td>
<td>Yes</td>
<td>Yes</td>
<td>Use BCM Conversion</td>
</tr>
</tbody>
</table>

- **Parts Required:**
  - Dealer Proximity Remote & Key Required
  - New prox part number for 2016!

<table>
<thead>
<tr>
<th>Model Year</th>
<th>Model</th>
<th>Ignition Type</th>
<th>OEM System</th>
<th>SMART Card PIN Required</th>
<th>PIN Read</th>
<th>Dongle Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>2009-2015</td>
<td>MAXIMA (NISSAN)</td>
<td>PROXIMITY START Button Ignition</td>
<td>ADS-159</td>
<td>Yes</td>
<td>Yes</td>
<td>Use BCM Conversion</td>
</tr>
</tbody>
</table>

- **Parts Required:**
  - 285E3-JA000
  - 285E3-JA02A
  - FCC# KR55WK48903

<table>
<thead>
<tr>
<th>Model Year</th>
<th>Model</th>
<th>Ignition Type</th>
<th>OEM System</th>
<th>SMART Card PIN Required</th>
<th>PIN Read</th>
<th>Dongle Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>2007-2008</td>
<td>MAXIMA (NISSAN)</td>
<td>PROXIMITY TWIST Ignition</td>
<td>ADS-159</td>
<td>Yes</td>
<td>Yes</td>
<td>Use BCM Conversion</td>
</tr>
</tbody>
</table>

- **Parts Required:**
  - 285E3-EW81D
  - FCC# CWTWB1U735

#### Note:
- Early Production 2007 models may use TYPE 4 for the E-KEY programming.

<table>
<thead>
<tr>
<th>Model Year</th>
<th>Model</th>
<th>Ignition Type</th>
<th>OEM System</th>
<th>SMART Card PIN Required</th>
<th>PIN Read</th>
<th>Dongle Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>2004-2006</td>
<td>MAXIMA (NISSAN)</td>
<td>PROXIMITY START Button Ignition</td>
<td>ADS-112</td>
<td>Yes</td>
<td>Yes</td>
<td>Use BCM Conversion</td>
</tr>
</tbody>
</table>

- **Parts Required:**
  - N104PT

---

**Advanced Diagnostics USA Manual for MVP & T-CODE - © 2017**
### 2000-2003 MAXIMA (NISSAN)

<table>
<thead>
<tr>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>ILCO</td>
<td>SYSTEM</td>
<td>Smart Card</td>
<td>PIN Required</td>
<td>PIN Read</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Yes</td>
<td>PIN: 5523</td>
</tr>
</tbody>
</table>

Use BETA N. AMERICA BY VEHICLE

---

### 1999 MAXIMA (NISSAN)

<table>
<thead>
<tr>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>ILCO</td>
<td>SYSTEM</td>
<td>Smart Card</td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>

Use BETA N. AMERICA BY VEHICLE

---

### 2015-2016 MURANO (NISSAN) WITH PROXIMITY START BUTTON IGNITION

<table>
<thead>
<tr>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM</td>
<td>SYSTEM</td>
<td>Smart Card</td>
<td>PIN Required</td>
</tr>
<tr>
<td>Dealer Proximity Remote &amp; Key Required</td>
<td>USE BETA N. AMERICA BY VEHICLE</td>
<td>Yes</td>
<td>20-Digit Rolling Code</td>
</tr>
</tbody>
</table>

*Not required if using SMART DONGLE*

BYPASS 20 DIGIT NISSAN WITH SMART DONGLE & BYPASS SOFTWARE (PART NO. ADC-198SD)

---

### 2009-2014 MURANO (NISSAN) WITH PROXIMITY START BUTTON IGNITION

<table>
<thead>
<tr>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM</td>
<td>SYSTEM</td>
<td>Smart Card</td>
<td>PIN Required</td>
</tr>
<tr>
<td>Dealer Proximity Remote &amp; Key Required</td>
<td>USE BETA N. AMERICA BY VEHICLE</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Use BCM Conversion

---

### 2005-2008 MURANO (NISSAN) WITH PROXIMITY TWIST IGNITION

<table>
<thead>
<tr>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM = 285E3-CB80D</td>
<td>USE BETA N. AMERICA BY VEHICLE</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Use BCM Conversion

---

### 2003-2008 MURANO (NISSAN) WITH KEY IGNITION

<table>
<thead>
<tr>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>ILCO</td>
<td>SYSTEM</td>
<td>Smart Card</td>
<td>PIN Required</td>
</tr>
<tr>
<td>N104PT</td>
<td>USE BETA N. AMERICA BY VEHICLE</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Use BCM Conversion

---

**Note:** All 2009-2014 Murano models have Push Button Ignition. But models with NO Power Liftgate & NO Prox Buttons on the Door Handles do not have real proximity and require the remote fob to be inserted into the slot on the dash to start the vehicle.

Most 2009 models still use the “older” 2004-2008 PIN code conversion.
### 2012-2016 NV VAN (NISSAN)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>N104PT</td>
<td>USE BETA N. AMERICA BY VEHICLE</td>
<td>Yes</td>
<td>Yes</td>
<td>Use BCM Conversion</td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

**Note:** Transponder System was optional.

### 2013-2016 PATHFINDER (NISSAN) with Proximity Start Button Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>20-Digit Rolling Code</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer Proximity Remote &amp; Key Required</td>
<td>USE BETA N. AMERICA BY VEHICLE</td>
<td>Yes</td>
<td><strong>Note:</strong> <em>Not required if using SMART DONGLE</em></td>
<td>BYPASS 20 DIGIT NISSAN WITH SMART DONGLE &amp; BYPASS SOFTWARE (PART NO. ADC-1985SD)</td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>20-Digit Rolling Code</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer Proximity Remote &amp; Key Required</td>
<td>USE BETA N. AMERICA BY VEHICLE</td>
<td>Yes</td>
<td><strong>Note:</strong> <em>Not required if using SMART DONGLE</em></td>
<td>BYPASS 20 DIGIT NISSAN WITH SMART DONGLE &amp; BYPASS SOFTWARE (PART NO. ADC-1985SD)</td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

**20 DIGIT DEALER PIN CODE** available thru N.A.S.T.F. OR USE BYPASS NOW AVAILABLE

### 2008-2012 PATHFINDER (NISSAN) with Proximity Twist Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>285E3-EM30D</td>
<td>USE BETA N. AMERICA BY VEHICLE</td>
<td>Yes</td>
<td>Yes</td>
<td>Use BCM Conversion</td>
<td>G-Tan Or SD</td>
</tr>
<tr>
<td>FCC# CWTWBU729</td>
<td>USE BETA N. AMERICA BY VEHICLE</td>
<td>Yes</td>
<td>Yes</td>
<td>Use BCM Conversion</td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

### 2008-2012 PATHFINDER (NISSAN) with Key Ignition

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>N104PT</td>
<td>USE BETA N. AMERICA BY VEHICLE</td>
<td>Yes</td>
<td>Yes</td>
<td>Use BCM Conversion</td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

### 2005-2007 PATHFINDER (NISSAN)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>N104PT</td>
<td>USE BETA N. AMERICA BY VEHICLE</td>
<td>Yes</td>
<td>Yes</td>
<td>Use BCM Conversion</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

### 2001-2004 PATHFINDER (NISSAN)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>N102PT</td>
<td>USE BETA N. AMERICA BY VEHICLE</td>
<td>Yes</td>
<td>PIN: 5523</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

### 1999-2000 PATHFINDER (NISSAN)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
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</thead>
<tbody>
<tr>
<td>N102PT</td>
<td>USE BETA N. AMERICA BY VEHICLE</td>
<td>No</td>
<td>No</td>
<td>Not Needed</td>
<td>B Red</td>
</tr>
</tbody>
</table>

Use ADC-136 old style Nissan cable. Key programming must be done with the OLD style port.
### Advanced Diagnostics USA Manual for MVP & T-CODE

**INFINITI - NISSAN**

#### 2015 Q40 (INFINITI) with Proximity Start Button Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>ADS-159</th>
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<tbody>
<tr>
<td>Dealer Proximity Remote &amp; Key Required</td>
<td><strong>USE BETA N. AMERICA BY VEHICLE</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>Use BCM Conversion</td>
<td>PRO Dongle</td>
</tr>
</tbody>
</table>

#### 2002-2006 Q45 (INFINITI) with Remote Key Insert Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>ADS-112</th>
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</thead>
<tbody>
<tr>
<td>Dealer Remote Key Req. Part# H0561-AR200</td>
<td><strong>USE BETA N. AMERICA BY VEHICLE</strong></td>
<td>Yes</td>
<td>02 = 5523</td>
<td>2004 Use BCM Conversion</td>
<td>PRO Dongle</td>
</tr>
</tbody>
</table>

#### 2000-2001 Q45 (INFINITI)

<table>
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<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>ADS-112</th>
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<tr>
<td>INF45-PT</td>
<td><strong>USE BETA N. AMERICA BY VEHICLE</strong></td>
<td>Yes</td>
<td>No</td>
<td>Not Needed</td>
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#### 1997-1999 Q45 (INFINITI)

<table>
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<th>OEM</th>
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<th>PIN Required</th>
<th>PIN Read</th>
<th>ADS-112</th>
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</thead>
<tbody>
<tr>
<td>INF45-PT</td>
<td>1997-Type 2 - 98-99-Type 3</td>
<td>Yes</td>
<td>No</td>
<td>Not Needed</td>
<td>B Red</td>
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</table>

Use ADC-136 old style Nissan cable. Key programming must be done with the OLD style port.

#### 2014-2016 Q50 / QX50 (INFINITI) with Proximity Start Button Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
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<th>ADS-197</th>
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<tbody>
<tr>
<td>Dealer Proximity Remote &amp; Key Required</td>
<td><strong>USE BETA N. AMERICA BY VEHICLE TYPE13</strong></td>
<td>Yes</td>
<td>20-Digit Rolling Code</td>
<td>G-Tan Or SD</td>
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</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>BYPASS 20 DIGIT NISSAN WITH SMART DONGLE &amp; BYPASS SOFTWARE (PART NO. ADC-198SD)</td>
<td>G-Tan Or SD</td>
</tr>
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</table>

20 DIGIT DEALER PIN CODE available thru N.A.S.T.F. OR USE BYPASS NOW AVAILABLE

#### 2011-2016 QUEST (NISSAN) with Proximity Start Button Ignition (No Prog Slot)

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>ADS-159</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

#### 2008-2010 QUEST (NISSAN)

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>ADS-159</th>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

**Note:** 2009+ models use the newer BCM conversion. Convert using ADC-198 dongle or ADS-198SD.
# MVP & T-CODE PRO Manual for INFINITI - NISSAN

## 2004-2007 QUEST (NISSAN)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>N104PT</td>
<td>USE BETA N. AMERICA BY VEHICLE</td>
<td>Yes</td>
<td>Yes</td>
<td>Use BCM Conversion</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

## 2001-2003 QX4 (INFINITI)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>N102PT</td>
<td>USE BETA N. AMERICA BY VEHICLE</td>
<td>Yes</td>
<td>PIN: 5523</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

## 1999-2000 QX4 (INFINITI)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>N102PT</td>
<td>USE BETA N. AMERICA BY VEHICLE</td>
<td>Yes</td>
<td>No</td>
<td>Not Needed</td>
<td>B Red</td>
</tr>
</tbody>
</table>

Use ADC-136 old style Nissan cable. Key programming must be done with the OLD style port.

## 2011-2013 QX56 (INFINITI) with PROXIMITY START Button Ignition (No PROG Slot)

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>285E3-1LLOD</td>
<td>USE BETA N. AMERICA BY VEHICLE</td>
<td>Yes</td>
<td>Yes</td>
<td>Use BCM Conversion</td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

## 2008-2010 QX56 (INFINITI) with PROXIMITY TWIST Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>285E3-ZQ30B</td>
<td>USE BETA N. AMERICA BY VEHICLE</td>
<td>Yes</td>
<td>Yes</td>
<td>Use BCM Conversion</td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

2009+ models use the newer BCM conversion. Convert using ADC-198 dongle or ADS-198SD.

## 2004-2007 QX56 (INFINITI)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>N104PT</td>
<td>USE BETA N. AMERICA BY VEHICLE</td>
<td>Yes</td>
<td>Yes</td>
<td>Use BCM Conversion</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

## 2014-2016 QX60 (INFINITI) with PROXIMITY START Button Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer Proximity Remote &amp; Key Required</td>
<td>USE BETA N. AMERICA BY VEHICLE TYPE13</td>
<td>Yes</td>
<td>20-Digit Rolling Code</td>
<td></td>
</tr>
</tbody>
</table>

20 DIGIT DEALER PIN CODE available thru N.A.S.T.F. OR USE BYPASS NOW AVAILABLE
### 2014-2017 QX70 (INFINITI) with Proximity Start Button Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>285E3-1LL0D</td>
<td>USE BETA N. AMERICA BY VEHICLE</td>
<td>Yes</td>
<td>Yes</td>
<td>G-Tan Or SD</td>
</tr>
<tr>
<td>FCC# KR5S180144014</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 2014-2017 QX80 (INFINITI) with Proximity Start Button Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer Proximity Remote &amp; Key Required</td>
<td>USE BETA N. AMERICA BY VEHICLE</td>
<td>Yes</td>
<td>Yes</td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

### 2014-2017 ROGUE (NISSAN) with Proximity Start Button Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer Proximity Remote &amp; Key Required</td>
<td>SEE BELOW</td>
<td>Yes</td>
<td></td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

20 DIGIT DEALER PIN CODE available thru N.A.S.T.F. OR USE BYPASS NOW AVAILABLE

A 2014-2015 ROGUE "SELECT" MODEL is available, these STILL USE 07-13 PROX SLOT BCM BASED SYSTEM. SEE MORE INFO

### 2014-2017 ROGUE (NISSAN) with Key Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer Proximity Remote &amp; Key Required</td>
<td>SEE BELOW</td>
<td>Yes</td>
<td></td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

20 DIGIT DEALER PIN CODE available thru N.A.S.T.F. OR USE BYPASS NOW AVAILABLE

A 2014-2015 ROGUE "SELECT" MODEL is available, these STILL USE 2007-2013 BCM BASED SYSTEM. SEE MORE INFO

### 2008-2014* ROGUE (NISSAN) with Proximity Twist Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>285E3-EM30D</td>
<td>USE BETA N. AMERICA BY VEHICLE</td>
<td>Yes</td>
<td></td>
<td>G-Tan Or SD</td>
</tr>
<tr>
<td>FCC# CWTWBU729</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

A 2014-2015 ROGUE "SELECT" MODEL is available, these STILL USE A BCM BASED SYSTEM.

### 2008-2013 ROGUE (NISSAN) with Key Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>ILCO</td>
<td>USE BETA N. AMERICA BY VEHICLE</td>
<td>Yes</td>
<td></td>
<td>G-Tan Or SD</td>
</tr>
<tr>
<td>N104PT</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: 2009+ models use the newer BCM conversion. Convert using ADC-198 dongle or ADS-198SD.
### 2013-2016 SENTRA (NISSAN) with Proximity (No Prog Slot) | ADS-159

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
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</thead>
<tbody>
<tr>
<td>N104PT</td>
<td>USE BETA N. AMERICA BY VEHICLE</td>
<td>Yes</td>
<td>Yes</td>
<td>Use BCM Conversion</td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

Verify correct part number of Prox with dealer by VIN or match existing working prox if one is available.
Production date prior to 05/13 use 285E3-3AA0A with FCC ID CWTWB1U815
Production date after 05/13 use 285E3-3SG0D with FCC ID CWTWB1U840

### 2007-2015 SENTRA (NISSAN) with Key Ignition | ADS-159

<table>
<thead>
<tr>
<th>ILCO</th>
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<th>SMART Card</th>
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<td>Yes</td>
<td>Use BCM Conversion</td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

Note: 2009+ models use the newer BCM conversion. Convert using ADC-198 dongle or ADS-198SD.

### 2007-2012 SENTRA (NISSAN) with Proximity Twist Ignition | ADS-159

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
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<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>N102PT</td>
<td>USE BETA N. AMERICA BY VEHICLE</td>
<td>Yes</td>
<td>Yes</td>
<td>Use BCM Conversion</td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

Note: 2009+ models use the newer BCM conversion. Convert using ADC-198 dongle or ADS-198SD.

### 2000-2006 SENTRA (NISSAN) | ADS-112

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>N102PT</td>
<td>USE BETA N. AMERICA BY VEHICLE</td>
<td>Yes</td>
<td>PIN: 5523</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

Note: Transponder System was optional.

### 2008-2016 TITAN (NISSAN) | ADS-159

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>N104PT</td>
<td>USE BETA N. AMERICA BY VEHICLE</td>
<td>Yes</td>
<td>Yes</td>
<td>Use BCM Conversion</td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

Note: Transponder System was optional. Some 2009 & up Infiniti’s may use the newer BCM conversion.

### 2004-2007 TITAN (NISSAN) | ADS-112

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
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<th>PIN Read</th>
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</thead>
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<td>USE BETA N. AMERICA BY VEHICLE</td>
<td>Yes</td>
<td>Yes</td>
<td>Use BCM Conversion</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

Note: Transponder System was optional.
### 2013-2016 Versa (Nissan) with Proximity Start Button Ignition (No Prog Slot)

<table>
<thead>
<tr>
<th>OEM</th>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>285E3-3SG0D</td>
<td>Use Beta N. America</td>
<td>Yes</td>
<td>Yes</td>
<td>Use BCM Conversion</td>
<td>G-Tan Or SD</td>
</tr>
<tr>
<td>FCC# CWTWB1U840</td>
<td>By Vehicle</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

If equipped with a keyed ignition may not be transponder equipped. Check before cutting.

### 2013-2016 Versa (4 Door 1.6L “S” or “SV”) (Nissan)

Note: 2009+ models use the newer BCM conversion. Convert using ADC-198 dongle or ADS-198SD.

### 2007-2012 Versa (Nissan) with Proximity Twist Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>285E3-EM30D</td>
<td>Use Beta N. America</td>
<td>Yes</td>
<td>Yes</td>
<td>Use BCM Conversion</td>
<td>G-Tan Or SD</td>
</tr>
<tr>
<td>FCC# CWTWB1U729</td>
<td>By Vehicle</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 2007-2012 Versa (Nissan) with Key Ignition

Note: 2009+ models use the newer BCM conversion. Convert using ADC-198 dongle or ADS-198SD.

### 2008-2014 Xterra (Nissan)

<table>
<thead>
<tr>
<th>OEM</th>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
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<tbody>
<tr>
<td>N104PT</td>
<td>Use Beta N. America</td>
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<td>Yes</td>
<td>Use BCM Conversion</td>
<td>G-Tan Or SD</td>
</tr>
<tr>
<td></td>
<td>By Vehicle</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: 2009+ models use the newer BCM conversion. Convert using ADC-198 dongle or ADS-198SD. Transponder system may be optional.

### 2005-2007 Xterra (Nissan)

<table>
<thead>
<tr>
<th>OEM</th>
<th>System</th>
<th>SMART Card</th>
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<th>PIN Read</th>
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</thead>
<tbody>
<tr>
<td>N104PT</td>
<td>Use Beta N. America</td>
<td>Yes</td>
<td>Yes</td>
<td>Use BCM Conversion</td>
<td>A-Black Or SD</td>
</tr>
<tr>
<td></td>
<td>By Vehicle</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: Transponder system is optional and not very common.
### 2002-2004 XTERRA (Nissan)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>N102PT</td>
<td>USE BETA N. AMERICA BY VEHICLE</td>
<td>Yes</td>
<td>PIN: 5523</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

**Note:** Transponder system is optional and not very common.

### 2005-2006 X-TRAIL (Nissan) (Canada)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>N102PT</td>
<td>USE BETA N. AMERICA BY VEHICLE</td>
<td>Yes</td>
<td>Yes</td>
<td>SIEMENS CONVERSION</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

Advanced Diagnostics USA Manual for MVP & T-CODE - © 2017
## NISSAN ALTIMA
### 2000 MODEL YEAR

### SPECIAL FUNCTIONS

**PROGRAM KEY** - This erases all currently programmed keys and place the system in learn mode. Only keys cycled in learn mode are learned.

<table>
<thead>
<tr>
<th>T-CODE SOFTWARE #</th>
<th>CABLE / DONGLE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADS-112</td>
<td>ADC-250 / ADC-251 F (WHITE) DONGLE</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>KEYS:</th>
<th>SMART DONGLE?</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 MAX</td>
<td>USE F (WHITE) DONGLE OR SD</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>KEYS RE-USABLE:</th>
<th>SECURITY:</th>
</tr>
</thead>
<tbody>
<tr>
<td>YES</td>
<td>NO PIN CODE NEEDED</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>COMPONENTS MATCHED?</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATCHING CAPABILITY?</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SECURITY LIGHT / THEFT INDICATOR:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light should be out at end of procedure. If theft light blinks or comes on steady the key/keys have not been accepted</td>
</tr>
</tbody>
</table>

### MORE INFO:

Test all keys to ensure they programmed.
NISSAN ALTIMA
2000 MODEL YEAR

Use this method to PROGRAM KEYS

START HERE:

Select:
+NISSAN
+NORTH AMERICA
+BY VEHICLE
+ALTIMA
+BLADED

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU

> PROGRAM KEYS

PROGRAMMING KEYS
PLEASE WAIT

1 KEY -
After program, the key in the IGNITION will be registered.

2 or More KEYS -
For 2 or more Keys follow this procedure:

> Insert next key. Turn ignition ON for 5 seconds. Then turn off and remove key.

> Repeat for up to 5 keys.

> After the final key has been registered, re-insert and turn ON the very first key you started with and remove after 5 seconds.

This is very important to close the cycle.

SWITCH IGNITION ON
PRESS ENTER KEY

PLEASE WAIT
TRYING TO COMMUNICATE

PROGRAM KEYS
PROCEDURE COMPLETE
DISCONNECT TESTER
FROM VEHICLE
PLEASE PROGRAM
IF NECESSARY
PRESS ENTER KEY

ECU IDENTIFICATION
NATS 4 PETROL
PRESS ENTER KEY
**MVP & TCODE PRO**

**MODELS USING THE OLD STYLE NISSAN PORT**

**SPECIAL FUNCTIONS**

**PROGRAM KEY:** This erases all currently programmed keys and place the system in learn mode. Only keys cycled in learn mode are learned.

<table>
<thead>
<tr>
<th>T-CODE SOFTWARE #</th>
<th>CABLE / DONGLE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADS-112</td>
<td>ADC-250 / ADC-251 B (RED) DONGLE</td>
</tr>
</tbody>
</table>

**KEYS:**

5 MAX | NO, USE (RED) DONGLE

**KEYS RE-USABLE:**

YES | NO PIN CODE REQUIRED

**SECURITY:**

YES | NO PIN CODE REQUIRED

**COMPONENTS MATCHED?**

N/A | MATCHING CAPABILITY?

**SECURITY LIGHT / THEFT INDICATOR:**

Light should be out at end of procedure. If theft light blinks or comes on steady the key/keys have not been accepted.

**MORE INFO:**

A PIN code is not needed for Infiniti-Nissan models using System 3 in the U.S.

Some 1997-2000 Infiniti-Nissan models in the U.S. use a special OBD cable to connect to the vehicle’s computer. This cable is supplied with your device.

We call this the “Old Style Nissan” cable.

The Old Style Nissan cable is used whenever you see this port. If you see the Old Style Nissan port and the standard OBD 2 port, always use the Nissan Old Style port.

The Q45 has a port that is hidden under a black cover on the very bottom of the dash.

The 1999 Infiniti I30 & Nissan Maxima have a port located in the Fuse Panel.

The 1999-2000 Infiniti QX4 & Nissan Pathfinder have the port exposed on the very bottom of the dash.

**Important Note:** You must have all existing keys present, if you want them to continue to start the vehicle. All keys are erased during this process and are considered “New” again and must be added back into the Immobilizer system.

**YOU MUST TURN THE IGNITION ON TO POWER UP THE UNIT.**

**MAKE SURE TO USE THE ADC 118 OR ADC136 OLD STYLE NISSAN CABLE**
OLD STYLE PORT LOCATIONS

The Q45 has a port that is hidden under a black cover on the very bottom of the dash.

The 1999-2000 Infiniti QX4 & Nissan Pathfinder have the port exposed on the very bottom of the dash.

The 1999 Infiniti I30 & Nissan Maxima have a port located in the Fuse Panel.
START HERE:

Select:
+NISSAN
+NORTH AMERICA
+BY VEHICLE
+SELECT THE MODEL
YOU ARE WORKING ON
+BLADED

NOTE: All current keys will be erased.

YOU MUST TURN ON THE IGNITION TO POWER UP THE UNIT.

SWITCH IGNITION ON
PRESS ENTER KEY

PROGRAMMING KEYS
PLEASE WAIT

PLEASE WAIT TRYING TO COMMUNICATE

ECU IDENTIFICATION
NATS 4 PETROL
PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU
> PROGRAM KEYS

PROGRAMME KEYS
PROCEDURE COMPLETE
DISCONNECT TESTER FROM VEHICLE
PLEASE PROGRAM IF NECESSARY
PRESS ENTER KEY

1 KEY -
After program, the key in the IGNITION will be registered.

2 or More KEYS -
For 2 or more Keys follow this procedure:

> Insert next key. Turn ignition ON for 5 seconds. Then turn off and remove key.

> Repeat for up to 5 keys.

> After the final key has been registered, re-insert and turn ON the very first key you started with and remove after 5 seconds. This is very important to close the cycle.

1999 MODELS USING THE OLD STYLE NISSAN PORT

Use this method to PROGRAM KEYS
**Use either the ADC-241 adaptor or a vehicle’s OBD port to power the unit.**

**START HERE:**

Select:
+NISSAN
+PIN CODE CONVERTOR
+ADC-198 2009->

**SECURITY CODE**

1 1 1 1 1

(This is just an example)

**ONCE YOU HAVE ENTERED THE BCM SELECT THE CHECK MARK TO CALCULATE**

**NISSAN BCM CODE**

1_ 2_ _ _

1 2 3 4 5
6 7 8 9 0

**NISSAN BCM CODE**

1_ 9_ A_A _F

A B C D E
F G H I J

To change to letters on the keypad use the left and right arrow keys.

**THE CONVERSION WILL DISPLAY:**

OLD= BEFORE 2009 = XXXX
NEW = AFTER 2009 = XXXX

WRITE DOWN THE RESULTS SO YOU WILL HAVE THEM HANDY
PRESS ENTER & BACK TO THE MAIN MENUS

**WATCH VIDEO - CONVERTING A BCM CODE**

These same instructions also apply to using the ADC-198 Dongle (recently discontinued)

**IF USING MVP PRO ADC-198 OR ADS198SD SOFTWARE DOES NOT USE A TOKEN TO CONVERT BCM CODES**
ALL KEYED (BLADED) IGNITION MODELS WITH B.C.M.

SPECIAL FUNCTIONS

Carefully pick the MAKE MODEL YEAR from the menu’s BY VEHICLE on the Latest BETA. Follow the tester prompts as the software guides you thru to completion.

If possible the tester should first read out the BCM label number after the ecu ID screen. (Not all systems can be read via OBD, see notes)

Convert the BCM SERIAL # to a pin code. (You will need to do this before going to #2)

#2 PROGAM KEYS: Erases all currently programmed keys and programs the ones used in the procedure. (5 Keys Max.)

T-CODE SOFTWARE # | CABLE / DONGLE:
--- | ---
ADS-112 | ADC-250 / ADC- 251
ADS-159 | A (BLACK) or G (GREY) DONGLE depending on model (see KEY GUIDE)

MAX # OF PROX KEYS: | SMART DONGLE?
--- | ---
5 | YES

PROX KEYS: | SECURITY:
--- | ---
Re-usable | SEE BELOW

SECURITY LIGHT / THEFT INDICATOR:

Light should be out at end of procedure. If theft light blinks or comes on steady the key/keys have not been accepted.

WATCH VIDEO - 2002 PATHFINDER PROGRAM KEYS

Older BCM systems use a fixed PIN Code: “5523”. Starting in 2003 the PIN is converted from the BCM serial number (Body Control Module) this needs to be converted to a PIN Code that the vehicle needs. The BCM serial number can be retrieved by either looking at the label attached to the BCM or by using the software in the MVP / TCODE to “read” the BCM serial number. The BCM serial number is always 5 digits long and may contain some letters and numbers or just numbers. Once you have the BCM serial number and convert it to the PIN Code. You can then use that PIN Code to program keys or PROX remotes.

TIPS:

> HAVE ALL KEYS READY
> WATCH THE SECURITY LIGHT

MORE INFO:

TRoubleshooting:

USE VERSION 12.52 OR HIGHER (BETA AT TIME OF PUBLISHING) INCORRECT ACCESS CODE = CHECK THE PIN CODE

SOLID THEFT LIGHT = IF THEFT LIGHT GOES SOLID WITH ANY KEY, CHECK THE TRANSPONDER. THE LIGHT BLINKS 5 TIMES AS THE KEY ACCEPTED / PROGRAMMED.

WATCH VIDEO - 2013 NISSAN ROGUE PROGRAMMING THE KEY & REMOTE
ALL KEYED (BLADED) IGNITION MODELS WITH B.C.M.

A PIN code is needed for Infiniti-Nissan models using a BCM in the U.S. through 2002. This PIN code is the same (5523) on all current models through 2002.

In 2003 Infiniti-Nissan started to use a random PIN code. This is done by converting the BCM (Body Control Module) identification number to a PIN.

Usually it's possible to READ the label number using the PRO thru the OBD port.

On some early models listed on the following page this can't be done so the label needs to be looked at in order to read the serial number / label number.

The vehicle has a 'BCM' unit.

The BCM (Body Control Module) allows the programming of keys and remotes into its memory.

The BCM has a serial number on it that can be converted to the PIN Code.

Usually it's possible to READ the label number using the PRO thru the OBD port.

The BCM is usually located near the inside fuse panel, however it can be in different locations depending on the model and year of the car.
### Models That You Need To Look At The BCM Label

<table>
<thead>
<tr>
<th>Model</th>
<th>Year</th>
<th>Pin</th>
<th>BCM / IMMU Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>G35</td>
<td>2003-2006</td>
<td>BCM Label converts to PIN code</td>
<td>Next to Fuse Panel</td>
</tr>
<tr>
<td>M45</td>
<td>2006-2008</td>
<td>BCM Label converts to PIN code</td>
<td>Use “Type 12” to “Read” BCM Code</td>
</tr>
<tr>
<td>Murano</td>
<td>2003-2006</td>
<td>BCM Label converts to PIN code</td>
<td>On BCM Box, Under Dash</td>
</tr>
<tr>
<td>350Z</td>
<td>2003-2004</td>
<td>BCM Label converts to PIN code</td>
<td>On BCM Box, Next to Fuse Panel</td>
</tr>
</tbody>
</table>

**Example:**

The 350Z BCM Serial number is “8A700” on this car and is right next to the barcode. Serial Number “8A700” converts to PIN “2164”. “2164” is the PIN you would enter using the MVP or TCODE.

**350Z**

BCM (Body Control Module) is located next to the fuse panel on the inside driver’s side kick panel.

**FX35 / FX45**

Next to the fuse panel on the inside driver’s side kick panel.
Murano
located under the dash to the right of the steering column.
The Murano’s BCM (Body Control Module) is blocked by some wiring and may not be noticeable right away.

You really have to bend your neck to find this one.

Example:
The Murano BCM Serial number is “85010” on this car and is right next to the barcode. Serial Number “85010” converts to PIN “8356”.
“8356” is the PIN you would enter using the MVP or TCODE.

G35
Located next to the fuse panel on the inside drivers side kick panel.

Example:
The G35 BCM Serial number is “5CE42” on this car and is right next to the barcode. Serial Number “5CE42” converts to PIN “9684”.
“9684” is the PIN you would enter using the MVP or TCODE.
## MODELS WITH BCM

<table>
<thead>
<tr>
<th>MODEL</th>
<th>YEAR</th>
<th>PIN</th>
<th>BCM / IMMU LOCATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALTIMA</td>
<td>2001-2004</td>
<td>5523</td>
<td>Use 5523 as the PIN</td>
</tr>
<tr>
<td></td>
<td>2005-2006</td>
<td></td>
<td>Convert BCM Read BCM is now part of the software</td>
</tr>
<tr>
<td>ARMADA</td>
<td>2004-2006</td>
<td></td>
<td>Convert BCM Read BCM is now part of the software</td>
</tr>
<tr>
<td>FX35 /FX45</td>
<td>2004-2006</td>
<td></td>
<td>Convert BCM Read BCM is now part of the software</td>
</tr>
<tr>
<td>G20</td>
<td>2000-2002</td>
<td>5523</td>
<td>Use 5523 as the PIN</td>
</tr>
<tr>
<td>G35</td>
<td>2003-2006</td>
<td></td>
<td>Convert BCM Need to look at label, Next to Fuse Panel</td>
</tr>
<tr>
<td>I30 &amp; I35</td>
<td>2000-2004</td>
<td>5523</td>
<td>Use 5523 as the PIN</td>
</tr>
<tr>
<td>M45</td>
<td>2006-2008</td>
<td></td>
<td>Convert BCM Read BCM is now part of the software</td>
</tr>
<tr>
<td>MAXIMA</td>
<td>2000-2003</td>
<td>5523</td>
<td>Use 5523 as the PIN</td>
</tr>
<tr>
<td></td>
<td>2004-2007</td>
<td></td>
<td>Convert BCM Read BCM is now part of the software</td>
</tr>
<tr>
<td>MURANO</td>
<td>2003-2006</td>
<td></td>
<td>Convert BCM Need to look at label, On BCM Box, Under Dash</td>
</tr>
<tr>
<td>PATHFINDER</td>
<td>2001-2004</td>
<td>5523</td>
<td>Use 5523 as the PIN</td>
</tr>
<tr>
<td></td>
<td>2005-2007</td>
<td></td>
<td>Convert BCM Read BCM is now part of the software</td>
</tr>
<tr>
<td>QUEST</td>
<td>2004-2007</td>
<td></td>
<td>Convert BCM Read BCM is now part of the software</td>
</tr>
<tr>
<td>QX4</td>
<td>2001-2004</td>
<td>5523</td>
<td>Use 5523 as the PIN</td>
</tr>
<tr>
<td>SENTRA</td>
<td>2000-2006</td>
<td>5523</td>
<td>Use 5523 as the PIN</td>
</tr>
<tr>
<td></td>
<td>2007</td>
<td></td>
<td>Convert BCM Read BCM is now part of the software</td>
</tr>
<tr>
<td>TITAN</td>
<td>2004-2007</td>
<td></td>
<td>Convert BCM Read BCM is now part of the software</td>
</tr>
<tr>
<td>VERSA</td>
<td>2007</td>
<td></td>
<td>Convert BCM Read BCM is now part of the software</td>
</tr>
<tr>
<td>350Z</td>
<td>2003-2004</td>
<td></td>
<td>Convert BCM Need to look at label, On BCM Box, Next to Fuse Panel</td>
</tr>
<tr>
<td></td>
<td>2005-2007</td>
<td></td>
<td>Convert BCM Read BCM is now part of the software</td>
</tr>
</tbody>
</table>
KEYED (BLADED) IGNITION MODELS

START HERE:
Select:
+NISSAN
+NORTH AMERICA
+BY VEHICLE
+SELECT THE MODEL YOU ARE WORKING ON
+BLADED
Note: All current keys will be erased but they can be programmed back in if present.

#1 - WRITE THE BCM LABEL NUMBER DOWN & CONVERT THE BCM TO A 4 DIGIT PIN CODE

#2 RETURN TO THE MENU AT #2 PROGRAM KEYS.

HAVE ALL KEYS READY...

HAZARDS ON / IGNITION OFF
PRESS ENTER KEY

ECU IDENTIFICATION
PART No : 3LM0AGB
PRESS ENTER KEY

BCM
BCM LABEL NUMBER : 1B0A2
CONVERT BCM LABEL NUMBER TO PINCODE USING AD CODE WIZARD OR ADC-198 DONGLE
PRESS ENTER KEY

WARNING
ALL KEYS WILL BE ERASED DO YOU WANT TO CONTINUE

PROGRAM KEYS
MAX. 4 KEYS ALLOWED
PRESS ENTER KEY

PROGRAM KEYS
SWITCH IGNITION ON WITH KEY #1
PRESS ENTER KEY

SECURITY CODE
4 4 7 7
(this is just an example)

LABEL THE KEYS SO YOU KNOW WHAT ONE IS KEY #1

PROGRAM KEYS
SWITCH IGNITION OFF
PRESS ENTER KEY

CONTINUED ON NEXT PAGE
Use this method to PROGRAM KEYS - CONTINUED

NOTE: All current keys will be erased.

IF YOU HAVE MORE KEYS CONTINUE
IF NOT SKIP TO HERE

KEYED (BLADED) IGNITION MODELS

PROGRAM KEYS
SWITCH IGNITION ON WITH
KEY #1
THE SECURITY INDICATOR
SHOULD FLASH 5 TIMES
PRESS ENTER KEY

WATCH THE SECURITY LIGHT. IT MUST BLINK 5 TIMES FOR EACH KEY. IF THE LIGHT GOES SOLID SOMETHING IS WRONG. KEY IS MOST LIKELY N/G

PROGRAM KEYS
DO YOU WANT TO
PROGRAM MORE KEYS

X ✓

PROGRAM KEYS
SWITCH IGNITION OFF
PLEASE WAIT
TIME: 05 (Seconds)
PRESS ENTER KEY

START THE ENGINE / SECURITY LIGHT SHOULD BE OFF
STARTING THE ENGINE WITH KEY #1 WILL CLOSE THE PROCEDURE.

PROGRAM KEYS
SWITCH IGNITION ON WITH
KEY #1
THE SECURITY INDICATOR
SHOULD FLASH 5 TIMES
TIME : 05 (Seconds)
PRESS ENTER KEY

PROGRAM KEYS
INSERT NEXT KEY

PROGRAM KEYS
SWITCH IGNITION ON
THE SECURITY INDICATOR
SHOULD FLASH 5 TIMES
TIME : 05 (Seconds)
PRESS ENTER KEY

PROGRAM KEYS
SWITCH IGNITION OFF
PRESS ENTER KEY

SWITCH IGNITION "OFF"

SWITCH IGNITION "ON"
KEY#1 INSERTED

SWITCH IGNITION "ON" KEY#1 INSERTED
TWIST KNOB PROX SYSTEMS

SPECIAL FUNCTIONS

The face of the ignition lock has a plastic “Twist” knob instead of the common metal face.

Behind the Twist knob is a fully functional metal ignition lock assembly with just 1 tumbler in it.

The ignition locking mechanism is controlled by an electrical solenoid for turning & security.

PROGRAM E-KEYS:
This will guide you thru all the steps necessary to program 1 to 4 E-KEYS into the system.

Once you have the BCM Label # from the vehicle it will be necessary to convert this into a PIN CODE.

ERASE REMOTES:
This clears all remotes from memory.

PROGRAM REMOTES:
This programs the prox remote part of the keys.

TIPS:

TROUBLESHOOTING:
USE VERSION 12.52 OR HIGHER (BETA AT TIME OF PUBLISHING)
INCORRECT ACCESS CODE = CHECK THE PIN CODE
SOLID THEFT LIGHT = IF THEFT LIGHT GOES SOLID WITH ANY KEY, CHECK THE TRANSPONDER.
DURING PROGRAMMING THE THEFT LIGHT BLINKS 5 TIMES AS THE KEY ACCEPTED / PROGRAMMED. MAKE SURE TO WATCH FOR THIS.

MORE INFO:

WATCH VIDEO - PROGRAMMING A 2010 NISSAN ARMADA
**Start Here:**

Select:
- Nissan
- North America
- By vehicle
- Select the model you are working on
- Twist knob Prox

**Note:** All current keys will be erased but they can be programmed back in if present.

**Program Keys**

Ensure all doors are closed.

If you already have a programmed Prox press the lock button on the RKE to lock the doors.

**Security Code**

4 4 7 7

(this is just an example)

Press enter key

**WARNING**

All keys will be erased do you want to continue?

X ✔

**Security Code**

4 4 7 7

Press enter key

**Program Keys**

Max. 4 keys allowed

Press enter key

**Program Keys**

Insert E-key key #1 into ignition

Press enter key

**Program Keys**

Steering lock successful full switch ignition on

Press enter key

**Program Keys**

Switch ignition off

Press enter key

Continued on next page
PROGRAM KEYS
SWITCH IGNITION OFF
PRESS ENTER KEY

PROGRAM KEYS
SWITCH IGNITION ON WITH E-KEY #1
PRESS ENTER KEY

THE THEFT LIGHT SHOULD BE OFF
START THE ENGINE / SECURITY LIGHT SHOULD BE OFF
STARTING THE ENGINE WITH KEY #1 WILL CLOSE THE E-KEY PART OF THE PROCEDURE.

NOW LET'S DO THE PROX REMOTES - ERASE FIRST

DIAGNOSTIC MENU
#1 BCM READ
#2 PROGRAM KEYS
> ERASE REMOTES
PROGRAM REMOTES

ERASE REMOTES
SWITCH IGNITION ON WITH A PROGRAMMED E-KEY
PRESS ENTER KEY

CONTINUED ON NEXT PAGE
TWIST KNOB PROX MODELS

Use this method to PROGRAM E-KEYS & PROX- CONT’D

ERASE REMOTES
PROCEDURE COMPLETE
PRESS ENTER KEY

NOW PROGRAM UP TO 4 PROX REMOTES MAX.

DIAGNOSTIC MENU
#1 BCM READ
#2 PROGRAM KEYS
ERASE REMOTES
> PROGRAM REMOTES

PROGRAM REMOTES
SWITCH IGNITION ON WITH A PROGRAMMED E-KEY
PRESS ENTER KEY

PROGRAM REMOTES
PRESS & RELEASE THE LOCK BUTTON ON THE REMOTE TO PROGRAM

THE SCREEN WILL CHANGE ONCE THE REMOTE IS ACCEPTED

PROGRAM KEYS
DO YOU WANT TO PROGRAM MORE REMOTES
X ✔

REPEAT FOR UP TO 4 PROX REMOTES MAX.

WHEN YOU ARE FINISHED PUT THE E-KEYS INSIDE THE PROX REMOTES AND CHECK THAT EVERYTHING IS FUNCTIONING PROPERLY.

THE RKE BUTTONS SHOULD WORK AND THE TWIST KNOB SHOULD TURN TO START THE CAR ANYTIME THERE IS A PROX REMOTE INSIDE THE CABIN.
**Twist Knob Prox Models**

**Info about Valet Keys**

**Valet Keys**

A Valet Key can be programmed in if all the customer wants is for the car to start.

The "Twist" knob ignition lock has a slot in the center that allows the smaller head Valet key to enter.

Even though the key is cut - if the key is not programmed to the vehicle it will not turn in the lock.

The steering lock mechanism will prevent the lock from turning even with the correct cut key.
### Special Functions

Program OEM Remote Key (teardrop) keys as follows:

1) Insert working metal key in Ign and turn on.

2) Go into Nissan then Euro then Almera, insert pin code. (2002 uses fixed 5523.

2003-2006 uses Random BCM CONVERSION PIN) (Regular cable, black dongle on Pro)

3) Remove metal key from Ign and place each teardrop key to be programmed into Ign without turning on.

Theft light blinks 5 times for each key. (Max 4 keys)

4) Start car with 1st key used to close out programming.

5) Program RKE buttons on board same as other Nissan remotes.

<table>
<thead>
<tr>
<th>T-Code Software #</th>
<th>Cable / Dongle:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADS-</td>
<td>ADC-250 / ADC-251 A (Black) Dongle</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Max # of Prox Keys:</th>
<th>Smart Dongle?</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>YES</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Prox Keys:</th>
<th>Security:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Re-usable</td>
<td>2002 uses fixed PIN CODE of 5523</td>
</tr>
<tr>
<td>2003-2006 uses BCM CONVERSION for PIN</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Components Matched?</th>
<th>Matching Capability?</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Security Light / Theft Indicator:

Light should be out at end of procedure. If theft light blinks or comes on steady the key/keys have not been accepted.

### Tips:

- More Info:

  YOU NEED A WORKING METAL KEY THAT FITS THE IGNITION.
Special Instructions for

2002-06 INFINITI Q45 & 2003-04 M45

BCM Location:
Right by OBD port with label facing shifter, don’t need to take anything apart to get to it.

BCM does not look like other BCM’s Black box with white label that has a 4 digit number, then a barcode then says unit# and 5 digit BMC serial # (10E80 in the example photo)

M45 & Q45 models equipped with this style Remote.

Remote Program Procedure: (No tester needed)

The Remote buttons must be programmed before the transponder chip in the Remote can be programmed.
→ Sit in car and close & lock all the doors.
→ Use the mechanical metal key to insert & remove into the ignition lock cylinder very fast 6 times within 10 seconds.
→ Note: Make sure each time you remove the key all the way.
→ The emergency warning lights should blink twice.
→ Insert the mechanical metal key and turn to the “ACC” position.
→ Press any button on the Remote and the emergency warning lights should blink twice. If only programming one remote, open the drivers door to close the cycle. Double check Remote functions.
→ If programming more than one Remote, use the drivers door electric lock buttons to Unlock the door and then to Lock it again. Press any button on the Remote and the emergency warning lights should blink twice.
→ You can program up to 4 Remotes this way. Opening the drivers door will close the cycle.
**PROX SLOT MODELS**

**SPECIAL FUNCTIONS**

*This is a guided system. Select BY VEHICLE Follow the tester prompts to completion.*

**SELECT PROGRAM PROX:**

This will do the following:

- Read BCM code from vehicle’s memory.
- Convert BCM Code to PIN.
- Use Conversion Dongle (ADC-198) or SmartDongle Conversion Software (ADS198SD)

Once you have the BCM converted to a Pin Code the Pin Code is entered into the PRO

If the Pin Code is correct and is accepted by the car the PRO Releases Steering Lock mechanism & Programs the Prox Remote by stepping you thru a sequence. Follow the tester prompts carefully. Complete each step before pressing ENTER.

<table>
<thead>
<tr>
<th>T-CODE SOFTWARE #</th>
<th>CABLE / DONGLE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADS-</td>
<td>ADC-250 / ADC-251</td>
</tr>
<tr>
<td></td>
<td>G (GREY) DONGLE</td>
</tr>
</tbody>
</table>

**MAX # OF PROX KEYS:**

- 4
- YES

**PROX KEYS:**

Re-usable

**SECURITY:**

- BCM LABEL CONVERTS TO PIN CODE
- 2007-2008< USE OLD PIN
- 2009> & NEWER, USE NEW PIN

**COMPONENTS MATCHED?**

**MATCHING CAPABILITY?**

**SECURITY LIGHT / THEFT INDICATOR:**

Light should be out at end of procedure.

If theft light blinks or comes on steady the key/keys have not been accepted.

**TIPS:**

**MORE INFO:**

Prox Programming Slot is located on the lower left side of the dash.

**WATCH VIDEO - PROGRAMMING 2012 NISSAN ALTIMA WITH SMART DONGLE**
Use this method to PROGRAM PROX

START HERE:
Select:
+NISSAN OR +INFINITI
+NORTH AMERICA
+BY VEHICLE
+SELECT THE MODEL
YOU ARE WORKING ON
+PROX SLOT

NOTE: All current keys will be erased but they can be programmed back in if present.

#1 - WRITE THE BCM LABEL NUMBER DOWN & CONVERT THE BCM TO A 4 DIGIT PIN CODE

#2 RETURN TO THE MENU AT #2 PROGRAM KEYS.

HAVE ALL KEYS READY...

SECURITY CODE
4 4 7 7
(this is just an example)

REQUIRESMART/Card Calculator orWEB APP
USE THE SMART DONGLE FOR EASY ACCESS USING BUILT-IN SMART CARD CALCULATOR

HAZARDS ON / IGNITION OFF
PRESS ENTER KEY

ECU IDENTIFICATION
PART No : 3LM0AGB
PRESS ENTER KEY

BCM
BCM LABEL NUMBER : 1B0A2
CONVERT BCM LABEL NUM-
BER TO PINCODE USING AD CODE
WIZARD OR ADC-198 DONGLE
PRESS ENTER KEY

WARNING
ALL KEYS WILL BE ERASED
DO YOU WANT TO CONTINUE

SECURITY CODE
_ _ _ _
1 2 3 4 5
6 7 8 9 0

REGISTER INTELLI KEY
WARNING: DO NOT PRESS THE BRAKE PEDAL
INSERT KEY # 1 INTO SLOT
MAX 4 KEYS ALLOWED
PRESS ENTER KEY

FIRST KEY INSERTED WILL BE KEY #1

DOUBLE CHECK THE BCM TO PIN CODE CONVERSION IF YOU GET THIS MESSAGE

REGISTER INTELLI KEY
PRESS THE START / STOP BUTTON IGNITION SHOULD SWITCH ON
PRESS ENTER KEY

REGISTER INTELLI KEY
PRESS THE START / STOP BUTTON IGNITION SHOULD SWITCH OFF
PRESS ENTER KEY

CONTINUED ON NEXT PAGE
**Use this method to PROGRAM PROX - CONT’D**

<table>
<thead>
<tr>
<th>Step</th>
<th>Instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td><strong>REGISTER INTELLI KEY</strong>&lt;br&gt;Press the start / stop button ignition should switch on &amp; the security indicator should flash 5 times&lt;br&gt;Press enter key</td>
</tr>
<tr>
<td>2.</td>
<td><strong>REGISTER INTELLI KEY</strong>&lt;br&gt;Press the start / stop button ignition should switch off&lt;br&gt;Press enter key</td>
</tr>
<tr>
<td>3.</td>
<td><strong>REGISTER INTELLI KEY</strong>&lt;br&gt;Do you want to program more keys&lt;br&gt;<strong>X</strong>&lt;br&gt;<strong>✓</strong></td>
</tr>
<tr>
<td>4.</td>
<td><strong>REGISTER INTELLI KEY</strong>&lt;br&gt;Press enter key</td>
</tr>
<tr>
<td>5.</td>
<td><strong>REGISTER INTELLI KEY</strong>&lt;br&gt;Depress the brake pedal&lt;br&gt;Press &amp; hold the start / stop button until the engine starts&lt;br&gt;Press enter key</td>
</tr>
<tr>
<td>6.</td>
<td><strong>REGISTER INTELLI KEY</strong>&lt;br&gt;Watch for the 5 flashes&lt;br&gt;Insert next prox into slot&lt;br&gt;Press start / stop button the security indicator should flash 5 times&lt;br&gt;Time: 05 (Seconds)&lt;br&gt;Press enter key</td>
</tr>
<tr>
<td>7.</td>
<td><strong>REGISTER INTELLI KEY</strong>&lt;br&gt;Press the start / stop button ignition should switch off&lt;br&gt;Press enter key</td>
</tr>
<tr>
<td>8.</td>
<td><strong>REGISTER INTELLI KEY</strong>&lt;br&gt;Do you want to program more keys&lt;br&gt;<strong>X</strong>&lt;br&gt;<strong>✓</strong></td>
</tr>
<tr>
<td>9.</td>
<td><strong>REGISTER INTELLI KEY</strong>&lt;br&gt;Insert prox #1 into slot&lt;br&gt;Press start / stop button ignition should switch on&lt;br&gt;Press enter key</td>
</tr>
</tbody>
</table>

**TROUBLESHOOTING:**

- **INCORRECT ACCESS CODE**<br>Check the pin code
- **SOLID THEFT LIGHT**<br>If theft light goes solid with any key, check the key & make sure it is the right prox part.<br>The light blinks 5 times as each prox key is accepted / programmed

---

**CHECK THAT ALL THE PROX REMOTES ARE FUNCTIONING PROPERLY**

If you have more keys continue if not skip to here.
**PUSH TO START PROX WITHOUT PROGRAMMING SLOT**

### SPECIAL FUNCTIONS

*This is a guided system.*

*Use the latest BETA available.*

*Select “BY VEHICLE” Follow the tester prompts to completion.*

#### #1 READ BCM:

Reads the BCM code from vehicle’s memory. Convert this BCM code to PIN.

Use Conversion Dongle (ADC-198) or SmartDongle Conversion Software (ADS198SD)

#### #2 PROGRAM KEY:

Once you have the BCM converted to a Pin Code the Pin Code SELECT #2 PROGRAM KEY. The Pro will begin programming by asking for the PIN CODE. If the Pin Code is accepted by the car the PRO Releases Steering Lock & Programs the Prox Remote by stepping you thru short a sequence.

Follow the tester prompts carefully.

Complete each step before pressing ENTER.

PROX AND RKE BUTTONS PROGRAM IN AT THE SAME TIME WITHOUT ANY SEPARATE PROCEDURE

### TIPS:

*Carefully choose prox part #’s there are several and they are non-interchangable!*

### MORE INFO:

**WATCH VIDEO - PROGRAMMING A 2013 NISSAN LEAF**

---

**T-CODE SOFTWARE #** | **CABLE / DONGLE:**
--- | ---
ADS-159 | ADC-250 / ADC- 251 G (GREY) DONGLE

**MAX # OF PROX KEYS:** | **SMART DONGLE?**
--- | ---
4 | YES

**PROX KEYS:** | **SECURITY:**
--- | ---
Re-usable | BCM LABEL CONVERTS TO PIN CODE

**COMPONENTS MATCHED?**

**MATCHING CAPABILITY?**

**SECURITY LIGHT / THEFT INDICATOR:**

Light should be out at end of procedure. If theft light blinks or comes on steady the key/keys have not been accepted.

There are 2 theft lights on the dash to watch out for when programming.
START HERE:
Select:
+NISSAN OR +INFINITI
+NORTH AMERICA
+BY VEHICLE
+SELECT THE MODEL
YOU ARE WORKING ON

NOTE: All current keys will be erased but they can be programmed back in if present.

#1 - WRITE THE BCM LABEL NUMBER DOWN & CONVERT THE BCM TO A 4 DIGIT PIN CODE

#2 RETURN TO THE MENU AT #2 PROGRAM KEYS.

HAVE ALL KEYS READY...

SECURITY CODE

1 2 3 4

(this is just an example)

1 2 3 4

REGISTRATION INTELLI KEY
PRESS & RELEASE START / STOP BUTTON
INDICATOR ON THE START STOP BUTTON SHOULD START TO BLINK
HOLD KEY #1 AGAINST IGNITION WITHIN 5 SECONDS
IGNITION SHOULD SWITCH ON AUTOMATICALLY
SECURITY INDICATOR SHOULD FLASH 5 TIMES
PRESS ENTER KEY

PRESS AND RELEASE THE START / STOP BUTTON
THE LIGHT ON THE BUTTON SHOULD ILLUMINATE
Use this method to PROGRAM PROX - CONT’D

IMMEDIATELY HOLD THE FIRST PROX YOU WANT TO PROGRAM UP TO THE BUTTON. NOTE: THIS WILL BE PROX #1

THEFT LIGHT (CAR SYMBOL) SHOULD BLINK 5 TIMES

REGISTER INTELLI KEY

PLEASE WAIT 5 SECONDS ..........

X ✔

REGISTER INTELLI KEY

DO YOU WANT TO PROGRAM MORE KEYS

X ✔

REGISTER INTELLI KEY

PRESS START /STOP BUTTON IGNITION SHOULD SWITCH OFF

PRESS ENTER KEY

REGISTER INTELLI KEY

PRESS & RELEASE START /STOP BUTTON INDICATOR ON START STOP BUTTON SHOULD START TO BLINK

HOLD NEXT KEY AGAINST IGNITION WITHIN 5 SECONDS IGNITION SHOULD SWITCH ON AUTOMATICALLY SECURITY INDICATOR SHOULD FLASH 5 TIMES

PRESS ENTER KEY

REGISTER INTELLI KEY

DO YOU WANT TO PROGRAM MORE KEYS

X ✔

REGISTER INTELLI KEY

PRESS THE START / STOP BUTTON IGNITION SHOULD SWITCH OFF

PRESS ENTER KEY

REGISTER INTELLI KEY

PRESS THE START / STOP BUTTON IGNITION SHOULD TURN ON

HOLD KEY #1 AGAINST START / STOP BUTTON

SECURITY INDICATOR SHOULD BE OFF

PRESS ENTER KEY

REGISTER INTELLI KEY

PRESS THE START / STOP BUTTON IGNITION SHOULD SWITCH OFF

PRESS ENTER KEY

REGISTER INTELLI KEY

OPEN & CLOSE THE DRIVER’S DOOR. KEY SYMBOL ON DASH SHOULD BLINK 5 TIMES

PRESS “UNLOCK” ON A PROGRAMMED REMOTE

PRESS ENTER KEY
PUSH TO START PROX WITHOUT PROGRAMMING SLOT

Use this method to PROGRAM PROX - CONT’D

PRESS “UNLOCK” ON ONE OF THE REMOTES

KEY LIGHT SHOULD BLINK 5 TIMES

REGISTER INTELLI KEY

PROCEDURE COMPLETE

CHECK THAT ENGINE STARTS

PRESS ENTER KEY

TROUBLESHOOTING:

USE VERSION 12.52 OR HIGHER (BETA AT TIME OF PUBLISHING)

DASH WON’T LIGHT UP WHEN HOLDING UP PROX DURING PROGRAMMING = THIS USUALLY INDICATES THAT THE PROX YOU ARE TRYING TO USE IS NOT THE CORRECT PART FOR THIS VEHICLE.

INCORRECT ACCESS CODE = CHECK THE PIN CODE

SOLID THEFT LIGHT = IF THEFT LIGHT GOES SOLID WITH ANY KEY, CHECK THE KEY & MAKE SURE IT IS THE RIGHT PROX PART. THE LIGHT BLINKS 5 TIMES AS EACH PROX KEY IS ACCEPTED / PROGRAMMED
2014-2015> NISSAN ROGUE-

HOW TO EASILY IDENTIFY OLD BODY STYLE FROM NEW....


HERE’S HOW TO TELL IF IT’S A OLD BODY STYLE BCM SYSTEM OR THE NEWER BODY USING THE 20 DIGIT SYSTEM

LQQK AT THE DOOR HANDLES

BCM SYSTEM (OLD BODY)

NEW ROGUE WITH SWITCH-BLADE KEY OR NEW ROGUE WITH PROX FOB.

NOT INTERCHANGABLE WITH THE OLDER KEYS

20 DIGIT SYSTEM (NEW BODY)

NOTICE THE DIFFERENT SHAPE & LOOK. ALSO, THE INDENT IN THE DOOR AROUND THE HANDLE.

THAT’S HOW YOU CAN EASILY IDENTIFY THE NEW BODY STYLE ROGUE.

WATCH VIDEO- HOW TO IDENTIFY NISSAN ROGUE
### SPECIAL FUNCTIONS

**This is a guided system.**

**Use the latest BETA available.**

**Select “BY VEHICLE” Then Select 20-DIGIT as the system.**

**Follow the tester prompts to completion.**

**PROGRAM KEYS:** Erases all currently programmed keys and programs the ones used in the procedure. (4 Keys Max.)

<table>
<thead>
<tr>
<th>T-CODE SOFTWARE #</th>
<th>CABLE / DONGLE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADS-197</td>
<td>ADC-250 / ADC-251</td>
</tr>
<tr>
<td></td>
<td>G (GREY) DONGLE</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MAX # OF KEYS:</th>
<th>SMART DONGLE?</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>YES</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>KEYS:</th>
<th>SECURITY:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>LOCK TO THE VEHICLE, CANNOT BE REUSED ON ANOTHER CAR.</td>
</tr>
<tr>
<td></td>
<td>20 DIGIT ROLLING CODE - NASTF. BYPASS W/ SMART DONGLE AND ADS-198SD SOFTWARE</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>COMPONENTS MATCHED?</th>
<th>MATCHING CAPABILITY?</th>
</tr>
</thead>
<tbody>
<tr>
<td>YES</td>
<td>NO</td>
</tr>
</tbody>
</table>

**SECURITY LIGHT / THEFT INDICATOR:**

Light should be out at end of procedure. If theft light blinks or comes on steady the key/keys have not been accepted.

---

**TIPS:**

- HAVE ALL KEYS READY
- WATCH THE SECURITY LIGHT

---

**MORE INFO:**

**TROUBLESHOOTING:**

USE VERSION 12.52 OR HIGHER (BETA AT TIME OF PUBLISHING)

**INCORRECT ACCESS CODE** = CHECK THE PIN CODE OR CAR IS ALREADY IN LEARNING MODE

**SOLID THEFT LIGHT** = IF THEFT LIGHT GOES SOLID WITH ANY KEY, CHECK THE TRANSPONDER. THE LIGHT BLINKS 5 TIMES AS THE KEY ACCEPTED / PROGRAMMED.

---

NISSAN TECH INFO advises when programming on 20-DIGIT systems. Any already programmed keys should be introduced 1st followed by any new keys that you want to introduced. We recommend following this advice.
**SPECIAL FUNCTIONS**

*This is a guided system. Select BY VEHICLE*

*Follow the tester prompts to completion.*

**SELECT PROGRAM PROX:**

This will do the following:

- Read BCM code from vehicle's memory.
- Convert BCM Code to PIN.
- Use Conversion Dongle (ADC-198) or SmartDongle Conversion Software (ADS198SD)

Once you have the BCM converted to a Pin Code the Pin Code is entered into the PRO
If the Pin Code is correct and is accepted by the car the PRO Releases Steering Lock mechanism & Programs the Prox Remote by stepping you thru a sequence. Follow the tester prompts carefully. Complete each step before pressing ENTER.

**T-Code Software # CABLE / DONGLE:**

| ADS-159                      | ADC-250 / ADC-251 G (GREY) DONGLE |

**Max # of Prox Keys:**

| 4 | YES |

**Prox Keys:**

| Re-usable |

**Security:**

- BCM LABEL CONVERTS TO PIN CODE
- 2007-2008< USE OLD PIN
- 2009> & NEWER, USE NEW PIN

**Components Matched?**

**Matching Capability?**

**Security Light / Theft Indicator:**

Light should be out at end of procedure.
If theft light blinks or comes on steady the key/keys have not been accepted.

**Tips:**

- More Info:

  Prox Programming Slot is located on the lower left side of the dash.

**More Info:**

- ‘06-’07 M35 / M45 Models

- ‘06-’07 M35 / M45 Models

- ‘05-’06 M35 / M45 Models

- ‘05-’06 M35 / M45 Models

Some parts numbers have changed. Always check with the dealer and by VIN for exact match.

Advanced Diagnostics USA Manual for MVP & T-CODE - © 2017
## SPECIAL FUNCTIONS

This is a guided system. Follow the tester prompts to completion.

**PROGRAM PROX:** Erases all currently prox keys and programs the ones used in the procedure. (4 Keys Max.)

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<tbody>
<tr>
<td>4</td>
<td>YES</td>
</tr>
</tbody>
</table>

**PROX KEYS:**
- **SECURITY:**
  - LOCK to the vehicle once programmed and cannot be re-used on another vehicle.
  - 20 DIGIT ROLLING CODE - NASTF.
  - BYPASS W/ SMART DONGLE AND ADS-198SD SOFTWARE

<table>
<thead>
<tr>
<th>COMPONENTS MATCHED?</th>
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</thead>
<tbody>
<tr>
<td>YES</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MATCHING CAPABILITY?</th>
</tr>
</thead>
<tbody>
<tr>
<td>NO</td>
</tr>
</tbody>
</table>

**SECURITY LIGHT / THEFT INDICATOR:**
- Light should be out at end of procedure.
- If theft light blinks or comes on steady the key/keys have not been accepted.

---

**NISSAN TECH INFO** advises when programming on 20-DIGIT systems. Any already programmed keys should be introduced 1st followed by any new keys that you want to introduced. We recommend following this advice.

**TIPS:**
- HAVE ALL KEYS READY
- WATCH THE SECURITY LIGHT

**MORE INFO:**

**TROUBLESHOOTING:**

**USE VERSION 12.52 OR HIGHER (BETA AT TIME OF PUBLISHING)

**INCORRECT ACCESS CODE** = CHECK THE PIN CODE OR CAR IS ALREADY IN LEARNING MODE

**SOLID THEFT LIGHT** = IF THEFT LIGHT GOES SOLID WITH ANY KEY, CHECK THE TRANSPONDER. THE LIGHT BLINKS 5 TIMES AS THE KEY ACCEPTED / PROGRAMMED.
INFO ABOUT KEYS

Always verify correct part number and application by VIN from a dealer. Part numbers are often subject to change. There are some additional part numbers not listed here depending on vehicle equipment. I.E. Power hatch etc.

OEM Part # 285E3-3TP5A  
OEM Part # 285E3-3TP0A  
OEM Part # 285E3-3JA5A  
The E-Key does Not contain A transponder.

FCC ID: KR5S180144014

WARNING: Do NOT waste your time and or MVP TOKENS trying to program PROX fobs that might have been already used on another car!

> These new PROX keys “LOCK” to the car once programmed.

> They cannot be re-used on any other car.

> We recommend purchasing these keys from a trusted supplier to ensure they are in fact brand new when you buy them.

> When programming ALL existing programmed keys are erased so make sure to gather any existing keys that you want to work and have them all ready when programming. Nissan recommends that if you have existing prox that you introduce the NEW prox as your first key or keys, followed by existing prox during the procedure.

> The maximum number of keys that the cars memory will hold is 4 total.

> The programming procedure programs the PROX Fobs to start the car and operate the RKE. Make certain that the battery is good in the PROX remotes.

> Ensure that the battery voltage on the vehicle is at least 12.2 volts when programming. Use a jump pack or jumper cables from a running car if you need to boost the voltage.
### Type 13
#### 20 Digit System

**Use this method to: PROGRAM KEYS**

**Vehicle Selection**
- Lincoln
- Mercury
- Mitsubishi
  > Nissan
- Lexus / Toyota

**Warning**
- All keys will be erased.
- Do you want to continue?

**ECU Identification**
- Part No. 3TA0Cad

**Diagnostic Menu**
- ECU Identification
  > Special Functions
- Program Prox

**Immobilizer Reset Request**
- A064-C456-A235-4555-FFC3
  - 20-digit Out-Code
  - Use to obtain In-Code from NASTF or Dealer

**Very Important!**
- Once you have obtained the Out-Code from the car, do not disconnect the tester.
- The Pro must remain connected until you obtain an Out-Code (PIN code) from Nissan.
- If you have started over the Out-Code will change to a NEW Out-Code. Therefore, it is absolutely necessary to stay connected until the Out-Code can be obtained.

**Please Note:**
- We have displayed the Out-Code using dashes to make the 20-digit code much easier to read.
- For Example: A064-C456-A235-4555-FFC3
  - Instead of A064C456A2354555FFC3
- Nissan’s NASTF website & Nissan dealers do not use dashes when entering the code and enter all capital letters.

**Go to Step 2 on the next page**
**TYPE 13**

**20 DIGIT SYSTEM**

*How to obtain the code (if not using the bypass)*

**NISSAN SERVICE INFORMATION**

Security Professional Transaction Entry Form

Please enter the following information:

VIN: ENTER VIN HERE

Security Professional Name: ENTER YOUR NAME HERE

Customer Name: ENTER YOUR CUSTOMER'S NAME HERE

Name on the vehicle registration: (blank)

License Plate number: (blank)

State of License Plate: (blank)

LSID: FTV45755

LSID Pass Code: **********

Product:

Immobilizer PIN: 1234567890123456

Date and Time: 1/15/2013 11:21:20 PM

> SUBMIT

**VERY IMPORTANT:**

ENTER ALL CAPITAL LETTERS.

If you have a valid N.A.S.T.F. Locksmith ID
Go to http://www.nissan-techinfo.com

Here is an example of what the NISSAN N.A.S.T.F. Portal looks like.
They offer several PAID options to help N.A.S.T.F. Participants obtain security codes.

This info is provided only to help guide and inform you about what is required to program 2013 Nissan/Infiniti vehicles at the time of this printing.

**Please be advised:**

AD Tech Support cannot help with obtaining Pin Codes or with the sign up process with N.A.S.T.F.
NISSAN 20-DIGIT CODE BYPASS
NOW AVAILABLE FOR PRO & SMART DONGLE

Smart Dongle owners with our NISSAN ADS-197 & ADC-198SD Software can now “BYPASS” the 20 Digit Codes on TYPE 13 NISSAN and INFINITI vehicles.

(Use version 12.26 or higher)

Not much changes in how these cars are done using the BYPASS except instead of displaying an OUTCODE you will see a screen like this:

If you select the CHECK mark, the PRO will BYPASS the codes automatically. If you select the X the unit will display the OUTCODE and allow you to enter the INCODE manually.

As an additional benefit the SMART DONGLE handles the SMART CARD calculation internally so this will save time and effort and make your job faster and easier than ever before!
TYPE 13
20 DIGIT SYSTEM

Use this method to: PROGRAM KEYS - Cont’d

Press the START / STOP BUTTON ONCE TO OFF.
Do NOT HOLD IT DOWN!

Please wait * * * * * *

Once again
This should take about 5
Seconds.

Do you want to program
more keys?

√ X

Press the √ if you have more PROX to program.
Press X if you do not have more PROX to program.

> If you do not have any more PROX keys to program, continue to the next step.

> If you have more keys to program (up to 4 in total) follow the prompts on the PRO. It will have you repeat the last few steps and hold up the other PROX you want to program just like we did with the 1st PROX but the screen will say “hold up the “NEXT” PROX. You might want to number them so that you do not mix them up.

> It’s important that the security light blink 5 times with each key as its accepted. If the light does not blink there is a problem, usually with the key (SEE TROUBLESHOOTING SECTION)

Continued on next page >
DO YOU WANT TO PROGRAM MORE KEYS?

Press the X on the screen.

Press the brake pedal & hold the prox up to the start / stop button. Press the start/stop button once & the car should start.

Procedure complete.

Press enter key.

The dashboard should show the message in the photo above for a few seconds to confirm that the Key registration is complete.
TYPE 13
20 DIGIT SYSTEM

After the INCODE is entered or the BYPASS is selected there are just 2 possible outcomes:

1. The PRO displays-

   WARNING: DO NOT PRESS THE BRAKE PEDAL
   PRESS & HOLD THE START / STOP BUTTON UNTIL THE IGNITION SWITCHES ON

   > This means the system is now in “LEARN MODE” and the PRO will begin to walk you thru the steps that need to be completed using the key.

2. The PRO displays-

   INCORRECT ACCESS CODE
   PRESS ENTER KEY

   > The InCode has not been accepted by the car. (the code entered is wrong)
   > Disconnect and start over.

But, it could also mean:

The system is already in the learning / registration mode.
If the “warning do not depress the brake” screen displayed on a previous attempt then there is no point in trying to start over with the tool. The system is already in “LEARN MODE” (what to do is shown next)

KEYS NOT BEING ACCEPTED?

If you have started the key registration procedure and now the car will not accept the new PROX.

What to do?

> IF when holding up the PROX & pressing the START/ STOP Button once, the security light does not blink 5 times & the car sounds a quick series of beeps.

The PROX has not been accepted. However, the car is most likely in the learning mode and should remain in learn mode until it is presented with a good prox.

More than likely, the wrong PROX part number is being used or you are trying to use a PROX that is “Locked” (Already programmed to another car and therefore CANNOT be programmed into the car you are working on.)

GET A NEW BRAND SPANKIN NEW KEY FROM A TRUSTED SOURCE!

See TROUBLESHOOTING on next page >>>>>>
**TROUBLESHOOTING**

- We have noticed problems all caused by trying to use “re-furbished” and or already used PROX KEYS on 20 Digit System cars.
- Sometimes in these cases it is difficult getting the customers original previously working PROX KEY to
- Program back in but in all cases we have seen, it is possible.
- If you have tried to add a key and now the car won’t accept the original key back in here is exactly what to do:

<table>
<thead>
<tr>
<th>Step</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Disconnect the PRO from the cars OBD port.</td>
</tr>
<tr>
<td>2</td>
<td>Keep all keys clearly away from the vehicle (at least 20-30 feet) with the ignition off, cycle the emergency key in the door.</td>
</tr>
<tr>
<td>3</td>
<td>The security key icon should begin flashing on and off on the dash, when this happens, you are now capable of completing the learning process.</td>
</tr>
<tr>
<td>4</td>
<td>Leave one key clearly away from the vehicle (at least 20-30 feet).</td>
</tr>
<tr>
<td>5</td>
<td>Make sure you leave your foot off the brake pedal.</td>
</tr>
<tr>
<td>6</td>
<td>Take one key and using the logo end of the prox push in firmly on the start button.</td>
</tr>
<tr>
<td>7</td>
<td>Continue to hold the logo end of the key near the start button - you should see the little orange light in the middle of the start button slightly flickering.</td>
</tr>
<tr>
<td>8</td>
<td>The system is trying to read the key. You should also hear a series of beeps at the same time.</td>
</tr>
<tr>
<td>9</td>
<td>Once the system completes reading you should see the security icon flash five times.</td>
</tr>
<tr>
<td>10</td>
<td>You should then be able to push the remote buttons and see that they are operating.</td>
</tr>
<tr>
<td>11</td>
<td>If you want to program more keys, Do not start the vehicle.</td>
</tr>
<tr>
<td>12</td>
<td>Remove this prox from the vehicle at least 20-30 feet away</td>
</tr>
<tr>
<td>13</td>
<td>If you have more keys to program bring the second prox into the vehicle and follow the same procedure for showing the car the new key and watching for the 5 blinks from the security light.</td>
</tr>
<tr>
<td>14</td>
<td>Continue until you have programmed all the keys you want to (up to 4. Max).</td>
</tr>
<tr>
<td>15</td>
<td>Upon completion START THE VEHICLE using the first key introduced and then turn the car OFF.</td>
</tr>
<tr>
<td>16</td>
<td>The dash should display “Key registration complete”</td>
</tr>
<tr>
<td>17</td>
<td>Test all keys.</td>
</tr>
</tbody>
</table>
### NISSAN X-TRAIL (A CANADIAN MARKET VEHICLE)

#### SPECIAL FUNCTIONS

<table>
<thead>
<tr>
<th>PROGAM KEYS: Erases all currently programmed keys and programs the ones used in the procedure. (5 Keys Max.)</th>
</tr>
</thead>
</table>

Select BY VEHICLE, if you don’t see X-Trail on the beta menu select 2001-2004 Altima bladed.

#### T-CODE SOFTWARE # | CABLE / DONGLE:
---|---
ADS-112 | ADC-250 / ADC-251
A (BLACK) DONGLE

#### MAX # OF KEYS: | SMART DONGLE:
---|---
5 | YES

#### KEYS: | SECURITY:
---|---
RE-USABLE | ICU TO PIN CODE (NUMBERS ON BOX AROUND IGNITION)
COMPONENTS MATCHED? | YES
MATCHING CAPABILITY? | NO

#### SECURITY LIGHT / THEFT INDICATOR:

Light should be out at end of procedure. If theft light blinks or comes on steady the key/keys have not been accepted.

#### TIPS:

- HAVE ALL KEYS READY
- WATCH THE SECURITY LIGHT

#### MORE INFO:

**TROUBLESHOOTING:**

**USE VERSION 12.52 OR HIGHER (BETA AT TIME OF PUBLISHING)**

**INCORRECT ACCESS CODE** = CHECK THE PIN CODE OR CAR IS ALREADY IN LEARNING MODE

**SOLID THEFT LIGHT** = IF THEFT LIGHT GOES SOLID WITH ANY KEY, CHECK THE TRANSPONDER. THE LIGHT BLINKS 5 TIMES AS THE KEY ACCEPTED / PROGRAMMED.
Use either the ADC-241 adaptor or a vehicle’s OBD port to power the unit.

START HERE:
Select:
+NISSAN
+PIN CODE CONVERTOR
+SIEMENS

PLEASE ENTER DATE CODE

1_1_9_

DATE CODE
1 1 9 2
(This is just an example)

WARNING
ONE TOKEN WILL BE USED

IF USING MVP PRO SIEMENS CONVERSION WILL USE 1 TOKEN

To change to letters on the keypad use the left and right arrow keys.

DATE CODE
Ignore the last 2 digits, only enter the first 4 digits.

ENCRIPTED PIN CODE

COUNTRY = MEXICO

NISSAN PIN CODES
PLEASE REFER TO THE MANUAL TO IDENTIFY THE DATE CODE AND ENCRYPTED PIN FROM THE IMMOBILISER MENU

PLEASE ENTER DATE CODE

DATE CODE

ENCRIPTED PIN CODE

ONCE YOU HAVE ENTERED THE DATE CODE SELECT THE CHECK MARK

CONTINUED ON NEXT PAGE
**SIEMENS PIN CODE CONVERSION SOFTWARE**

*Use this method to CONVERT CANADIAN X-TRAIL IMMO LABEL - Cont’d*

---

**ENCRYPTED PIN CODE**

E 0 D 4  
(This is just an example)

**ONCE YOU HAVE ENTERED THE ENCRYPTED PIN PRESS ENTER TO CALCULATE**

**NISSAN PIN CODES**

- Made in Mexico: 8568
- Made in Germany: 8DE8
- Made in Europe: 8DE8

**PRESS ENTER KEY**

Use the conversion that matches the country on the label.  
Canadian X-trail usually uses Mexico as in our example.

Example PIN CODE = 8DE8
ISUZU SECTION

T-CODE SOFTWARE PACKS:

Isuzu USA (ADS-135)
### 2003-2004 AXIOM

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM Key #8-97319-552-0</td>
<td>Select Rodeo</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

**Note:** PIN Code required from Isuzu.

### 2003-2004 RODEO

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM Key #8-97319-552-0</td>
<td>Select By Vehicle</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

**Note:** PIN Code required from Isuzu.
## SPECIAL FUNCTIONS

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<tr>
<th>PROGRAM KEYS-</th>
<th>Programs keys without erasing others.</th>
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<td>CLEAR KEYS-</td>
<td>Erases all keys from memory.</td>
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### PROGRAM KEYS-

- Programs keys without erasing others.

### CLEAR KEYS-

- Erases all keys from memory.

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<tr>
<td>5</td>
<td>YES</td>
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<table>
<thead>
<tr>
<th>KEYS:</th>
<th>SECURITY:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not Re-usable, lock once used.</td>
<td>4 DIGIT PIN CODE</td>
</tr>
</tbody>
</table>

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<tr>
<th>COMPONENTS MATCHED?</th>
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<tbody>
<tr>
<td>YES</td>
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<th>MATCHING CAPABILITY?</th>
</tr>
</thead>
<tbody>
<tr>
<td>NOT AVAILABLE</td>
</tr>
</tbody>
</table>

### SECURITY LIGHT / THEFT INDICATOR:

Light should be out at end of procedure. If theft light blinks or comes on steady the key/keys have not been accepted.

### MORE INFO:

4 DIGIT PIN CODE REQUIRED (Dealer or NASTF).
Use this method to PROGRAM KEYS

Select:
+ISUZU
+OTHER
+RODEO
+2004-2010
+IMMOBILIZER
+TYPE 1

PROGRAM KEYS
INSERT KEY TO PROGRAM
SWITCH IGNITION ON
PRESS ENTER KEY

PROGRAM KEYS
INSERT KEY TO PROGRAM
SWITCH IGNITION OFF
PRESS ENTER KEY

PROGRAM KEYS
IKEYS PROGRAMMED: 4AM
MAX 5 KEYS POSSIBLE
PRESS ENTER KEY

PROGRAM KEYS
ACCESS GAINED
8297
IS CODE CORRECT
OK=ENTER     CLEAR=BACK

PROGRAM KEYS
ACCESS GAINED
8297
IS CODE CORRECT
OK=ENTER     CLEAR=BACK

PROGRAM KEYS
ACCESS GAINED
SWITCH IGNITION ON

PROGRAM KEYS
ACCESS GAINED
SWITCH IGNITION ON

You are now done.
Disconnect from the vehicle
and try your key(s).
JAGUAR SECTION

T-CODE SOFTWARE PACKS:

Jaguar USA (ADS-151)

Jaguar - EURO (ADS-207)
### 2003-2008 S-TYPE

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>A.D. Webcode</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tibbe (6-cut)</td>
<td>S-Type</td>
<td></td>
<td></td>
<td>Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

**NOTE:** Although this is really a FORD system, you cannot use ADD-KEY (Only use ERASE KEYS) and you cannot use the FORD BYPASS (must wait 10min).

### 2000-2002 S-TYPE

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>A.D. Webcode</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tibbe (6-cut)</td>
<td>HEC Ford</td>
<td></td>
<td></td>
<td>Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

### 2002-2008 X-TYPE

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>A.D. Webcode</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tibbe (6-cut)</td>
<td>Select by Vehicle</td>
<td></td>
<td></td>
<td>Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

### 1998-2008 XJ

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>A.D. Webcode</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer Key Required</td>
<td>Select by Vehicle</td>
<td></td>
<td></td>
<td>Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

### 1997-2006 XK

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>A.D. Webcode</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer Key Required</td>
<td>Select by Vehicle</td>
<td></td>
<td></td>
<td>Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

Jaguar - EURO (ADS-207) vehicles please see the UK I/Q mobile app for more info.

**ADS-207 EURO MANUAL - [CLICK HERE](#)**
MVP & TCODE PRO

JAGUAR
2000-2002
S-TYPE

SPECIAL FUNCTIONS

This is variant of a FORD HEC system.

However, you must use CLEAR KEYS and you cannot use the 10 minute bypass.

CLEAR ERASE KEYS- Erases all keys from memory. Once procedure is finished, cycle 2 keys “ON” for 5 seconds each.

ADD KEY- DO NOT USE, ADD KEY will not work!

<table>
<thead>
<tr>
<th>T-CODE SOFTWARE #</th>
<th>CABLE / DONGLE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADS-100</td>
<td>ADC-250 / ADC- 251</td>
</tr>
<tr>
<td></td>
<td>A (BLACK) DONGLE</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MAX # OF KEYS:</th>
<th>SMART DONGLE?</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>YES</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>KEYS:</th>
<th>SECURITY:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Re-usable.</td>
<td>NO PIN CODE</td>
</tr>
<tr>
<td></td>
<td>10 MINUTE WAIT</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>COMPONENTS MATCHED?</th>
<th>MATCHING CAPABILITY?</th>
</tr>
</thead>
<tbody>
<tr>
<td>YES</td>
<td>NOT AVAILABLE</td>
</tr>
</tbody>
</table>

SECURITY LIGHT / THEFT INDICATOR:

Light should be out at end of procedure. If theft light blinks or comes on steady the key/keys have not been accepted.

MORE INFO:

SEE FORD HEC SYSTEM FOR PROGRAMMING ROUTINE.

VERY IMPORTANT:
DO NOT USE BYPASS
DO NOT USE ADD-KEY
NIETHER WILL WORK ON JAGUAR.

MAKE SURE YOU HAVE 2 KEYS READY!
Delta FO Manual Operation 4-Sided Automotive Keys

The Delta FO cuts by code the unique angles found on the 4-sided keys for Tibbe locks, as used on some models of Jaguar and Ford vehicles.

The machine is very simple to operate, easy to maintain, and provides superb cutting results!

- Specially designed vise jaws securely grip the uniquely shaped 6-space and 8-space Tibbe keys
- Simple spacing mechanism assures quick operation, and accurate results for both 6-space and 8-space Tibbe type keys.
- Dial type depth adjustment simplifies depth calibration process
- Direct drive cutter system

eliminates v-belt and pulley maintenance
- Sealed ball bearing type drive motor
- Cobalt steel cutter extends service life
- "Soft Touch" nylon deburring brush
- Available 110V-AC
### JAGUAR

**2003-2008 S-TYPE**  
**2002-2008 X TYPE**  
**XJ6 / XJ8 / XJR / SOVEREIGN**

#### SPECIAL FUNCTIONS

<table>
<thead>
<tr>
<th>CLEAR / PROGRAM KEYS-</th>
<th>Erases all currently programmed keys and programs in 2 keys.</th>
</tr>
</thead>
<tbody>
<tr>
<td>KEYS PROGRAMMED-</td>
<td>Displays the number of keys stored in memory.</td>
</tr>
</tbody>
</table>

#### T-CODE SOFTWARE #

<table>
<thead>
<tr>
<th>ADS-151</th>
<th>ADC-250 / ADC-251</th>
</tr>
</thead>
<tbody>
<tr>
<td>A (BLACK) DONGLE</td>
<td></td>
</tr>
</tbody>
</table>

#### MAX # OF KEYS: SMART DONGLE? | 6 | YES |

#### KEYS: SECURITY: |

<table>
<thead>
<tr>
<th>Re-usable.</th>
<th>NO PIN CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMPONENTS MATCHED?</td>
<td>YES</td>
</tr>
<tr>
<td>MATCHING CAPABILITY?</td>
<td>NOT AVAILABLE</td>
</tr>
</tbody>
</table>

#### SECURITY LIGHT / THEFT INDICATOR: |

Light should be out at end of procedure. If theft light blinks or comes on steady the key/keys have not been accepted.

#### MORE INFO: |

**MAKE SURE YOU HAVE 2 KEYS READY!**
**Select:**
+JAGUAR
+NORTH AMERICA
+SELECT YOUR MODEL (+X-TYPE OR S-TYPE, CHOOSE THE CAR YOU ARE WORKING ON)
SELECT YOUR YEAR RANGE, IE.+2003-2008 THEN SELECT:
IMMOBILIZER

MAKE SURE YOU HAVE 2 KEYS READY!

---

**DIAGNOSTIC MENU**

> ECU IDENTIFICATION

**PROGRAM KEYS**
IGN. KEY OFF, THEN ON PRESS ENTER TO CONT.

---

**DIAGNOSTIC MENU**

> CLEAR / PROGRAM KEYS

**PROGRAM KEYS**
PLEASE INSERT FIRST KEY
SWITCH IGNITION ON PRESS ENTER TO CONT.

---

**CLEAR KEYS**
WARNING ALL KEYS WILL CLEARED CONTINUE
OK=ENTER CLEAR=BACK

---

**PROGRAM KEYS**
KEYS PROGRAMMED: 2 COMPLETE

---

**PROGRAM KEYS**
ALL KEYS CLEARED KEYS PROGRAMMED: MIN KEYS REQUIRED: 2

---

**ECU IDENTIFICATION**

JAG CAN INSTRUMENT PACK

---

**PROGRAM KEYS**
INSERT NEXT KEY SWITCH IGNITION ON

---

Use this method to PROGRAM KEYS
Select:

+JAGUAR
+NORTH AMERICA
+SELECT YOUR MODEL (+XJ6 or XJR, CHOOSE THE CAR YOU ARE WORKING ON)
SELECT YOUR YEAR RANGE, IE.+2003-2008
THEN SELECT: IMMOBILIZER

MAKE SURE YOU HAVE 2 KEYS READY!

Use this method to PROGRAM KEYS

MVP & T CODE PRO
JAGUAR
‘XJ6’ / ‘XJ8’ / ‘XJR’ / ‘SOVEREIGN’

PROGRAM KEYS
2 KEYS REQUIRED
KEYS TO BE PROGRAMMED MUST BE PRESENT
CONTINUE
OK=ENTER CLEAR=BACK

INSERT SECOND KEY TO BE PROGRAMMED
PRESS ENTER KEY

TURN IGN ON / OFF
PRESS ENTER KEY

PROCEDURE COMPLETE
REMOVE KEY
WAIT
XX SECONDS

Wait for the tester to countdown.

Please wait
ACCESS GAINED

Select:

+JAGUAR
+NORTH AMERICA
+SELECT YOUR MODEL (+XJ6 or XJR, CHOOSE THE CAR YOU ARE WORKING ON)
SELECT YOUR YEAR RANGE, IE.+2003-2008
THEN SELECT: IMMOBILIZER

MAKE SURE YOU HAVE 2 KEYS READY!

Use the Smart Dongle for easy access using Built-in Smart Card Calculator

Requires Smart Card Calculator or Web App

Switch Ignition On
PRESS ENTER KEY

Ecu Identification
JAGUAR BCM MOD
PRESS ENTER KEY

Diagnostic Menu
ECU IDENTIFICATION
FAULT CODES
SPECIAL FUNCTIONS
PRESS ENTER KEY

Program Keys
Ensure key is removed from ignition
PRESS ENTER KEY

Program Keys
Please insert 1ST KEY TO BE PROGRAMMED
PRESS ENTER KEY

Program Keys
Ensure key is removed from ignition
PRESS ENTER KEY

Program Keys
DisConnect Tester
Test Key Operation

Advanced Diagnostics USA Manual for MVP & T-CODE - © 2017
LAND ROVER SECTION

T-CODE SOFTWARE PACK:

Land Rover - (ADS-154)

Land Rover / Jaguar (ADS-207)
Land Rover - (ADS-154 & ADS-207) vehicles please see the UK I/Q mobile app for more info.

LAND ROVER EURO MANUAL - CLICK HERE
LEXUS SECTION

T-CODE SOFTWARE PACKS:

Toyota & Lexus Basic (ADS-125)
Toyota & Lexus 2007 (ADS-150)
Toyota / Lexus 2010 (ADS-174)
Toyota 2013 (ADS-199)
Toyota & Lexus 2015 (ADS-227)

(Software names generally refer to the date of release on the T-CODE not the years of vehicles covered).
<table>
<thead>
<tr>
<th>Year</th>
<th>Model</th>
<th>OEM</th>
<th>System</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011-2016</td>
<td>CT200H</td>
<td>ADS-174</td>
<td>PROX 6</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>PRO Dongle</td>
</tr>
<tr>
<td>2002-2003</td>
<td>ES300</td>
<td>ADS-125</td>
<td>TOY48-BT4</td>
<td>TYPE 1</td>
<td>No</td>
<td>Not Needed</td>
</tr>
<tr>
<td>1998-2001</td>
<td>ES300</td>
<td>Not supported. No OBD2 access. Engine control must be reprogrammed or key introduced by Eeprom</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2004-2006</td>
<td>ES330</td>
<td>ADS-125</td>
<td>TOY50-PT</td>
<td>TYPE 2</td>
<td>No</td>
<td>Not Needed</td>
</tr>
<tr>
<td>2007-2012</td>
<td>ES350</td>
<td>ADS-150</td>
<td>PROX 1</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>PRO Dongle</td>
</tr>
<tr>
<td>2013-2016</td>
<td>ES350</td>
<td>ADS-174</td>
<td>PROX 6</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>PRO Dongle</td>
</tr>
<tr>
<td>2013-2015</td>
<td>GS200t</td>
<td>ADS-174</td>
<td>PROX 6</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>PRO Dongle</td>
</tr>
<tr>
<td>2006</td>
<td>GS300</td>
<td>ADS-150</td>
<td>PROX 1 OR PROX 2</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>PRO Dongle</td>
</tr>
<tr>
<td>Year</td>
<td>Model</td>
<td>System</td>
<td>Smart Card</td>
<td>PIN Required</td>
<td>PIN Read</td>
<td>Dongle</td>
</tr>
<tr>
<td>------------</td>
<td>-------</td>
<td>--------</td>
<td>------------</td>
<td>--------------</td>
<td>-------------------</td>
<td>--------</td>
</tr>
<tr>
<td>2002-2005</td>
<td>GS300</td>
<td>ILCO</td>
<td>NO</td>
<td>No</td>
<td>No</td>
<td>PRO Dongle</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TOY48-BT4</td>
<td></td>
<td></td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
<tr>
<td>1998-2001</td>
<td>GS300</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Not supported. No OBD2 access. Engine control must be reprogrammed or key introduced by Eeprom.

<table>
<thead>
<tr>
<th>Year</th>
<th>Model</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013-2016</td>
<td>GS350</td>
<td>OEM</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>PRO Dongle</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>PROX 6</td>
<td></td>
<td></td>
<td>A-Black Or SD</td>
<td></td>
</tr>
</tbody>
</table>

Note: If PROX 1 does not communicate, try PROX 2.

<table>
<thead>
<tr>
<th>Year</th>
<th>Model</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>2007-2012</td>
<td>GS350</td>
<td>OEM</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>PRO Dongle</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>PROX 1</td>
<td></td>
<td></td>
<td>A-Black Or SD</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year</th>
<th>Model</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>2006-2007</td>
<td>GS430</td>
<td>OEM</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>PRO Dongle</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>PROX 1</td>
<td></td>
<td></td>
<td>A-Black Or SD</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year</th>
<th>Model</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>2001-2005</td>
<td>GS430</td>
<td>ILCO</td>
<td>NO</td>
<td>No</td>
<td>No</td>
<td>PRO Dongle</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TOY48-BT4</td>
<td>TYPE 1</td>
<td></td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Year</th>
<th>Model</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013-2016</td>
<td>GS450H</td>
<td>OEM</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>PRO Dongle</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>PROX 6</td>
<td></td>
<td></td>
<td>A-Black Or SD</td>
<td></td>
</tr>
</tbody>
</table>

1998-2000 GS400

Not supported. No OBD2 access. Engine control must be reprogrammed or key introduced by Eeprom.
## LEXUS

### 2007-2012 GS450H

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROX 1</td>
<td></td>
<td></td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>PRO Dongle</td>
</tr>
</tbody>
</table>

Check with dealer or distributor for correct part to use

### 2012-2013 GS460

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROX 6</td>
<td></td>
<td></td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>PRO Dongle</td>
</tr>
</tbody>
</table>

Check with dealer or distributor for correct part to use

### 2008-2011 GS460

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROX 1</td>
<td></td>
<td></td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>PRO Dongle</td>
</tr>
</tbody>
</table>

Check with dealer or distributor for correct part to use

### 2010-2015 GX460

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROX 6</td>
<td></td>
<td></td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>PRO Dongle</td>
</tr>
</tbody>
</table>

Check with dealer or distributor for correct part to use

### 2003-2009 GX460

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>TYPE 2</td>
<td></td>
<td></td>
<td>No</td>
<td>No</td>
<td>PRO Dongle</td>
</tr>
</tbody>
</table>

TOY50-PT

### 2003-2009 GX470

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>TYPE 2</td>
<td></td>
<td></td>
<td>No</td>
<td>No</td>
<td>PRO Dongle</td>
</tr>
</tbody>
</table>

TOY50-PT

**Note:** For lost key situations use “QUICK RESET IMMOBILIZER”

### 2010-2013 HS250H

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROX 6</td>
<td></td>
<td></td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>PRO Dongle</td>
</tr>
</tbody>
</table>

Check with dealer or distributor for correct part to use

**Note:** For lost key situations use “QUICK RESET IMMOBILIZER”
### 2014-2016 IS250

<table>
<thead>
<tr>
<th>DEALER</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>PROX 7</td>
<td>Requires AD Smart Card Calculator or AD SMC App or Smart Dongle (Fastest Method)</td>
<td>Not Needed</td>
<td>PRO Dongle</td>
<td></td>
</tr>
</tbody>
</table>

### 2010-2013 IS250

<table>
<thead>
<tr>
<th>DEALER</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>PROX 2</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>PRO Dongle</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** If Prox 2 fails then use PROX 6

### 2006-2010 IS250

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>PROX 2</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>PRO Dongle</td>
<td></td>
</tr>
</tbody>
</table>

### 2002-2005 IS300

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOY48-BT4</td>
<td>TYPE 1</td>
<td>No</td>
<td>No</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

### 2001 IS300

- Not supported. No OBD2 access. Engine control must be reprogrammed or key introduced by Eeprom

### 2014-2016 IS350

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>PROX 7</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>PRO Dongle</td>
<td></td>
</tr>
</tbody>
</table>

### 2006-2013 IS350

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>PROX 2</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>PRO Dongle</td>
<td></td>
</tr>
</tbody>
</table>

### 1997-2000 LS400

- Not supported. No OBD2 access. Engine control must be reprogrammed or key introduced by Eeprom
### 2004-2006 LS430 with Proximity Twist Ignition

<table>
<thead>
<tr>
<th>OEM SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>TYPE 2</td>
<td>No</td>
<td>No</td>
<td>Not Needed</td>
</tr>
</tbody>
</table>

**Note:** Only the immobilizer can be programmed with the PRO. Use on board programming to program the PROX

**Note:** For lost key situations use “QUICK RESET IMMOBILIZER”

### 2004-2006 LS430 - Keyed Ignition Systems

<table>
<thead>
<tr>
<th>ILCO SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOY50-PT</td>
<td>TYPE 2</td>
<td>No</td>
<td>No</td>
<td>Not Needed</td>
</tr>
</tbody>
</table>

**Note:** For lost key situations use “QUICK RESET IMMOBILIZER”

### 2001-2003 LS430

<table>
<thead>
<tr>
<th>ILCO SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOY50-PT</td>
<td>TYPE 2</td>
<td>No</td>
<td>No</td>
<td>Not Needed</td>
</tr>
</tbody>
</table>

**Note:** For lost key situations use “QUICK RESET IMMOBILIZER”

### 2017 LS460

<table>
<thead>
<tr>
<th>OEM SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>PROX 7</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

### 2015-2016 LS460

<table>
<thead>
<tr>
<th>OEM SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>PROX 6</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

### 2007-2014 LS460

<table>
<thead>
<tr>
<th>OEM SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>PROX 1</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

### 2009-2016 LS600H

<table>
<thead>
<tr>
<th>OEM SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>PROX 6</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>
### 2008 LS600h

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>PROX 1</td>
<td></td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

### 2003-2007 LX470

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>ILCO</td>
<td>TYPE 2</td>
<td>No</td>
<td>No</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

**Note:** For lost key situations use “QUICK RESET IMMOBILIZER”

### 2001-2002 LX470

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>ILCO</td>
<td>TYPE 1</td>
<td>No</td>
<td>No</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

### 1998-2000 LX470

Not supported. No OBD2 access. Engine control must be reprogrammed or key introduced by Eeprom

### 2010-2016 LX570

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>PROX 1</td>
<td></td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

### 2008-2009 LX570

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>PROX 1</td>
<td></td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

### 2015-2016 RC350

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>PROX 7</td>
<td></td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black or Smart Dongle</td>
</tr>
</tbody>
</table>

### 1999-2003 RX300

Not supported. No OBD2 access. Engine control must be reprogrammed or key introduced by Eeprom
### 2004-2006 RX330

<table>
<thead>
<tr>
<th>ilco</th>
<th>system</th>
<th>smart card</th>
<th>pin required</th>
<th>pin read</th>
<th>PRO dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOY50-PT</td>
<td>TYPE 2</td>
<td>No</td>
<td>No</td>
<td>Not needed</td>
<td>A-Black or SD</td>
</tr>
</tbody>
</table>

**Note:** For lost key situations use “QUICK RESET IMMOBILIZER”

### 2010-2015 RX350

<table>
<thead>
<tr>
<th>OEM</th>
<th>system</th>
<th>smart card</th>
<th>pin required</th>
<th>pin read</th>
<th>PRO dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>PROX 6</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not needed</td>
<td>A-Black or SD</td>
<td></td>
</tr>
</tbody>
</table>

### 2007-2009 RX350 / RX400H

<table>
<thead>
<tr>
<th>ilco</th>
<th>system</th>
<th>smart card</th>
<th>pin required</th>
<th>pin read</th>
<th>PRO dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOY50-PT</td>
<td>TYPE 2</td>
<td>No</td>
<td>No</td>
<td>Not needed</td>
<td>A-Black or SD</td>
</tr>
</tbody>
</table>

**Note:** For lost key situations use “QUICK RESET IMMOBILIZER”

### 2010-2011 RX350H

<table>
<thead>
<tr>
<th>OEM</th>
<th>system</th>
<th>smart card</th>
<th>pin required</th>
<th>pin read</th>
<th>PRO dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer or distributor for correct part to use</td>
<td>PROX 6</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not needed</td>
<td>A-Black or SD</td>
<td></td>
</tr>
</tbody>
</table>

### 1998-2000 SC300 / SC400

**Not supported.** No OBD2 access. Engine control must be reprogrammed or key introduced by Eeprom

### 2002-2010 SC430

<table>
<thead>
<tr>
<th>OEM / ilco /</th>
<th>system</th>
<th>smart card</th>
<th>pin required</th>
<th>pin read</th>
<th>PRO dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOY50-PT</td>
<td>TYPE 2</td>
<td>No</td>
<td>No</td>
<td>Not needed</td>
<td>A-Black or SD</td>
</tr>
</tbody>
</table>

### 2010-2011 RX450H

<table>
<thead>
<tr>
<th>Dealer</th>
<th>system</th>
<th>smart card</th>
<th>pin required</th>
<th>pin read</th>
<th>PRO dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer PROX Required</td>
<td>PROX 6</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not needed</td>
<td>A-Black or SD</td>
<td></td>
</tr>
</tbody>
</table>
LEXUS KEYED IMMobilizer TYPE 1

SPECIAL FUNCTIONS

RESET IMMOBILIZER- This function allows you to erase all keys and to place the immobilizer in the "Auto Learn Mode". This function is used when the customer has lost all their keys.

ADD MASTER KEY- This function allows you to add a Master key to the car’s immobilizer system as long as you have an existing pre-programmed Master key to start with. On Type 1 system cars it is possible to program a key in as a Valet or as a Master.

ADD VALET KEY- This function allows you to add a Valet key to the car’s immobilizer system as long as you have an existing pre-programmed Master key to start with. The vehicle’s immobilizer system cannot tell the difference between the transponder chip in the key, so it is possible to program a Master as a Valet into the immobilizer system.

ERASE KEYS- This function allows you to erase all keys except the key in the ignition lock at the time.

MORE INFO:

ALL Lexus TYPE 1 use 4C transponder chips in the keys. The same 4C chip can be programmed into the car as a MASTER or as a VALET key.

A key that is programmed as a VALET cannot be used to introduce more keys into the system with the MVP or T-Code.

How to tell if a programmed key is a MASTER or a VALET?

Valet key- when first inserted into the ignition lock, the Security Light will stay on for 2 seconds and then stay off.

Master key- when inserted into the ignition lock, the Security Light will not illuminate at all.

---

T-CODE SOFTWARE # | CABLE / DONGLE:
--- | ---
ADS-125 | ADC-250 / ADC- 251
A (BLACK) DONGLE

MAX # OF KEYS: SMART DONGLE?
8 | YES

KEYS: SECURITY:
Re-usable. | NO PIN CODE
COMPONENTS MATCHED?
YES
MATCHING CAPABILITY?
NOT AVAILABLE

SECURITY LIGHT / THEFT INDICATOR:
Light should be out at end of procedure. If theft light blinks or comes on steady the key/keys have not been accepted.
LEXUS KEYED IMMOBILIZER TYPE 1

**RESET IMMOBILIZER**
(Use this method if you have no programmed Master Keys.)

**Select:**
+LEXUS
+BY SYSTEM
+IMMOBILIZER
+TYPE 1

**DIAGNOSTIC MENU**

> **RESET Immobilizer**
  ADD MASTER KEY
  ADD VALET KEY
  ERASE KEYS

Note: This will cause ALL keys to be erased and put the Immobilizer system into “Auto Learn” mode.

![Note: Do not be impatient. Some vehicles may go over 16 minutes. If the timer goes over 35 minutes - stop. Disconnect from the OBD2 port and remove the key. Wait 20 sec. and start over.]

![TIME REQUIRED 16:00 TIME ELAPSED 0:28]

![RESET Immobilizer]

GAINING ACCESS

TIME REQUIRED 16:00
TIME ELAPSED 0:28

![RESET Immobilizer]

PROCEDURE COMPLETE

![SWITCH IGNITION ON]

PRESS ENTER KEY

![ECU IDENTIFICATION]

LEXUS / TOYOTA TYPE 1

PRESS ENTER KEY

![DIAGNOSTIC MENU]

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

**WARNING:**
OPEN THE DRIVERS DOOR & MAKE SURE IT STAYS OPEN UNTIL COMPLETED!

Once you have PROCEDURE COMPLETE on the tester, look at the immobilizer light.

The Security Light can be in 2 shapes:
> A small blinking red circle next to the word “Security”.

> A blinking red light in the shape of a car.

The light should now be solid indicating that the Immobilizer system has been Reset and the vehicle is now in Auto Learn mode. Insert each key you want to program - but do not turn the key ON, only insert and remove after 5 seconds.

The vehicle may learn up to 3 keys this way and the Auto Learn mode should close once the 3rd key is presented. The last key presented will be programmed in as Valet key.

If you have less than 3 keys to program You can close the Auto Learn mode early by pressing the brake pedal 6-8 times, very fast. (You must use a Master key for this.)
LEXUS KEYED IMMOBILIZER TYPE 1

ADD MASTER KEY
(You must have a programmed MASTER KEY to perform this procedure)

Insert a Master key that is already registered into the vehicle. Turn the ignition lock to the “ON” position. The Security Light must be out when the key is in.

NOTE: If you do not have an existing Master key, you must use the “Reset Immobilizer” procedure to Reset the Immobilizer system. A Valet key will not work as a substitute for a Master Key.

Select:
+LEXUS
+BY SYSTEM
+IMMOBILIZER
+TYPE 1

ECU IDENTIFICATION
LEXUS/TOYOTA TYPE 1

DIAGNOSTIC MENU
ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

ADD MASTER KEY
TIME ELAPSED: 2 S

Add Master Key
Reset Immobilizer
> ADD MASTER KEY
ADD VALET KEY
ERASE KEYS

Note: This usually takes about 60 seconds. If the timer goes past 120 seconds, stop. The key is most likely now programmed. Disconnect & try key.

SWITCH IGNITION ON
PRESS ENTER KEY

WARNING
FOLLOW NEXT SCREENS QUICKLY & CAREFULLY
PRESS ENTER KEY

ADD MASTER KEY

Note: If you get an Error message screen: disconnect from the OBD2 port and remove the key. Wait 20 seconds and start over. On this Type, each key must be added separately. Disconnect from the OBD2 port and remove the key. Wait 20 seconds and start over to add another key.

ADD MASTER KEY

INSERT NEW MASTER KEY
WITHIN 10 Sec
LEAVE IGNITION OFF
AND THEN PRESS ENTER
TIME ELAPSED: 0 S

Note: Read carefully & follow the screen prompts.

ADD MASTER KEY
PROCEDURE COMPLETE
TIME ELAPSED: 59 S
PRESS ENTER KEY

Note: This usually takes about 60 seconds. If the timer goes past 120 seconds, stop. The key is most likely now programmed. Disconnect & try key.

ADD MASTER KEY

WARNING
FOLLOW NEXT SCREENS QUICKLY & CAREFULLY
PRESS ENTER KEY

ADD MASTER KEY

INSERT NEW MASTER KEY
WITHIN 10 Sec
LEAVE IGNITION OFF
AND THEN PRESS ENTER
TIME ELAPSED: 0 S

Note: Read carefully & follow the screen prompts.
LEXUS KEYED IMMOBILIZER TYPE 1

ADD VALET KEY
(You must have a programmed MASTER KEY to perform this procedure)

Insert a Master key that is already registered into the vehicle. Turn the ignition lock to the “ON” position. The Security Light must be out when the key is in.

NOTE: If you do not have an existing Master key, you must use the “Reset Immobilizer” procedure to Reset the Immobilizer system. A Valet key will not work as a substitute for a Master Key.

Select:
+LEXUS
+BY SYSTEM
+IMMOBILIZER
+TYPE 1

ECU IDENTIFICATION
LEXUS/LEXUS TYPE 1
PRESS ENTER KEY

ADD VALET KEY
WARNING
FOLLOW NEXT SCREENS QUICKLY & CAREFULLY
PRESS ENTER KEY

ADD VALET KEY
SWITCH IGNITION OFF
REMOVE MASTER KEY
WITHIN 20 Sec
AND THEN PRESS ENTER
TIME ELAPSED: 1 S

ADD VALET KEY
SWITCH IGNITION OFF
INSERT NEW VALET KEY
WITHIN 10 Sec
LEAVE IGNITION OFF
AND THEN PRESS ENTER
TIME ELAPSED: 0 S

ADD VALET KEY
ADD MASTER KEY
ADD VALET KEY
ERASE KEYS

TIME ELAPSED: 2 S

Note: This usually takes about 60 seconds. If the timer goes past 120 seconds, stop. The key is most likely now programmed. Disconnect & try key.

Add Valet Key Procedure Complete
TIME ELAPSED: 59 S
PRESS ENTER KEY

Note: If you get an Error message screen, disconnect from the OBD2 port and remove the key. Wait 20 seconds and start over. On this Type, each key must be added separately. Disconnect from the OBD2 port and remove the key. Wait 20 seconds and start over to add another key.

Note: Read carefully & follow the screen prompts.
LEXUS KEYED IMMOBILIZER TYPE 1

ERASE KEYS
(You must have a programmed MASTER KEY to perform this procedure)

Insert a Master key that is already registered into the vehicle. Turn the ignition lock to the “ON” position. The Security Light must be out when the key is in.

NOTE: If you do not have an existing Master key, you must use the “Reset Immobilizer” procedure to Reset the Immobilizer system. A Valet key will not work as a substitute for a Master Key.

Select:
+LEXUS
+BY SYSTEM
+IMMOBILIZER
+TYPE 1

NOTE: If you get an Error message screen, disconnect and remove the key. Wait 20 seconds and start over.

ERASE KEYS
WARNING
FOLLOW NEXT SCREENS QUICKLY & CAREFULLY

PRESS ENTER KEY

CHANNELS

DIRECT ACCESS

ERASE KEYS
INSERT MASTER KEY
SWITCH IGNITION ON

PRESS ENTER KEY

Note: If you get an Error message screen, disconnect and remove the key. Wait 20 seconds and start over.
LEXUS KEYED IMMOBILIZER TYPE 2

SPECIAL FUNCTIONS

QUICK RESET IMMOBILIZER- This function erase all keys and "instantly" places the immobilizer in "Auto Learn Mode". This function is used when the customer has lost all their keys.

CAUTION: AT LEAST 1 CHIP USED MUST BE A MASTER TYPE CHIP.

PROGRAM KEY- This function allows you to add A MASTER OR VALET to the car’s immobilizer system as long as you have an existing pre-programmed Master key to start with.

ERASE KEYS- This function allows you to erase all keys except the key in the ignition lock at the time

T-CODE SOFTWARE # | CABLE / DONGLE:
--- | ---
ADS-125 | ADC-250 / ADC-251 A (BLACK) DONGLE

MAX # OF KEYS: SMART DONGLE?
5 Master 3 Valet 8-Total YES

KEYS: SECURITY:
4D TRANSPONDER CHIPS ARE RE-USABLE. THEY COME IN TWO TYPES: MASTER & VALET.
NO PIN CODE

COMPONENTS MATCHED?
NO

MATCHING CAPABILITY?
N/A

SECURITY LIGHT / THEFT INDICATOR:
Observing the security light is critical to success when working on LEXUS TYPE 2 Immobilizer systems.

MORE INFO:

How to tell if a programmed key is a MASTER or a VALET?

Valet key- when first inserted into the ignition lock, the Security Light will stay on for 2 seconds and then stay off.

Master key- when inserted into the ignition lock, the Security Light will not illuminate at all.

This test assumes that you have programmed keys! If not a cloner can be used to determine the type of chip inside the keys.

2004 LX470
2004 GS430
2004 GX470
2003 SC430
2004 ES330
LEXUS KEYED IMMOBILIZER TYPE 2

“Quick” RESET Immobilizer
(Use this method if you have no Master Keys.)

ONLY A MASTER CHIP CAN BE USED HERE!
A VALET CHIP/KEY WILL NOT WORK!

Select:
+LEXUS
+BY SYSTEM
+IMMOBILIZER
+TYPE 2

DIAGNOSTIC MENU
RESET Immobilizer
PROGRAM KEY
ERASE KEYS
> QUICK RESET Immobilizer
PRESS ENTER KEY

After pressing “ENTER”
DO NOT WATCH THE TESTER,
WATCH FOR A SOLID SECURITY LIGHT!
Most of the time you will see PROCEDURE COMPLETE message on the tester. However, sometimes the car does not signal the tester that the immobilizer has been reset and you may see COMMUNICATION FAILED on the screen.

IF YOU DON’T HAVE A SOLID THEFT LIGHT REMOVE THE KEY AND LOOK AGAIN!

ONCE YOU HAVE A SOLID IMMOBILIZER LIGHT THE SYSTEM IS IN “AUTO LEARN MODE”

WARNING:
OPEN THE DRIVERS DOOR & MAKE SURE IT STAYS OPEN UNTIL COMPLETED!
# LEXUS
**KEYED IMMOBILIZER**
**TYPE 2**

## “Quick” RESET Immobilizer - Cont’d
What to do once the RESET is completed and the theft light is solid

### WHAT TO DO ONCE THE THEFT LIGHT GOES SOLID

- “Auto Learn Mode” is indicated by the steady illumination of the Security Light.
- Once you see a solid theft light, insert each key you want to program - but do not turn the key ON - only insert each key and remove after 5 seconds.
- The vehicle should accept 2 Master Keys and 1 Valet key in this manner.
- After the 3rd key - 2 Master Keys & 1 Valet Key “Auto Learn Mode” should close automatically.
- If you want to ADD more Master or Valet Keys, perform the PROGRAM KEY PROCEDURE.

### HOW TO PROGRAM ONLY 1 KEY AFTER A RESET:

- You can close the cycle early after only 1 or 2 keys are inserted by turning the ignition lock from Off to On and back to Off 6-8 times, very fast, with a Master key.
- Remove the key and re-insert it and the Security Light should be completely out when there is a programmed key in the ignition.

### HOW TO PROGRAM MORE THAN 2 MASTER KEYS:

- You can have up to 5 Master Keys and 3 Valet Keys.
- Once you have at least 1 programmed master key or two master keys and you want to add more use one of the masters using the PROGRAM KEY PROCEDURE to ADD MORE KEYS.

### WHAT TO DO IF THE THEFT LIGHT WAS SOLID BUT NOW BLINKS AND WILL NOT SHUT OFF:

- Insert a key with a valid transponder leave the IGNITION OFF for 5 seconds. Turn the ignition lock from Off to On and back to Off 6-8 times, very fast, This should program as a MASTER KEY and close the cycle. If this does not work, check the chip in the key you are trying to use. It may be incorrect.
- Check the Key Warning Buzzer, it must be functioning properly for Key Learning.
- If the theft light blinks a “2 blinks then 1 blink” repeat pattern, this usually means the chip is incorrect.
- Once in the Auto Learn Mode the system will remain in this mode until a key - or keys is successfully learned. Even if you disconnect the battery on the vehicle and return much later the system will still be in Auto Learn Mode.
- If you try and perform an Immobilizer Reset and the system is already in Auto Learn Mode you will get “ERROR” on the tester.
- It is a good idea to keep a spare Valet Key handy. We have seen instances when the Auto Learn Mode would not close until 2 Master Keys and a Valet Key are learned. It never hurts to be prepared! If you end up needing a Valet Key, you won’t have to give it to the customer, keep it for the next time. Since Toyota Keys don’t need to be turned in the ignition for learning you won’t even have to cut it.
LEXUS KEYED IMMOBILIZER TYPE 2

ADD MASTER or VALET KEY
(Use this method if you have at least 1 Master Key)

WARNING: If you do not have an existing Master key, you must use the “Reset Immobilizer” procedure to Reset the Immobilizer. A Valet key will not work as a substitute for a Master Key.

Insert a Master key that is already registered into the vehicle. Turn the ignition lock to the “ON” position. The Security Light must be out when the key is in. Connect and follow screens.

Select:
+LEXUS
+BY SYSTEM
+IMMOBILIZER
+TYPE 2

If Program Key goes all the way thru to procedure complete without any error and yet the car does not start. The key memory may be full. Solution: Use erase key and then add any keys you have back in.

LEAVE IGNITION OFF HERE!!
LEXUS
KEYED IMMOBILIZER
TYPE 2

ERASE KEYS
(Use this method if you have at least 1 Master Key)

Insert a Master key that is already registered into the vehicle. Turn the ignition lock to the “ON” position. The Security Light must be out when the key is in. Connect and follow screens.

NOTE: If you do not have an existing Master key, you must use the “Reset Immobilizer” procedure to Reset the Immobilizer system. A Valet key will not work as a substitute for a Master Key.

Select:
+LEXUS
+BY SYSTEM
+IMMOBILIZER
+TYPE 2

ERASE KEYS
PROCEDURE COMPLETE
PRESS ENTER KEY

ERASE KEYS
SWITCH IGNITION OFF
REMOVE KEY
INSERT KEY
SWITCH IGNITION ON
WITHIN 120 Sec
TIME ELAPSED: 0 S
PRESS ENTER KEY

PLEASE WAIT
TRYING TO COMMUNICATE

ERASE KEYS
SWITCH IGNITION OFF
REMOVE KEY
WITHIN 10 Sec
TIME ELAPSED: 0 S

Note: If you get an Error message screen, disconnect and remove the key. Wait 20 seconds and start over.

WHEN COMPLETED WITH THIS PROCEDURE ONLY THE 1 KEY USED IS PROGRAMMED.
ONLY A MASTER CHIP CAN BE USED.

A VALET CHIP WILL NOT WORK!

When completed with this procedure only the 1 key used is programmed. Only a master chip can be used. A valet chip will not work!
## Lexus RKE Programming

**GRID INDEX**

- Only the models listed are supported- (all others use ON BOARD PROGRAMMING METHODS)

<table>
<thead>
<tr>
<th>LEXUS MODELS</th>
<th>YEARS</th>
<th>SYSTEM TYPE</th>
<th>S/W T-CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>GS300</td>
<td>1998-2001</td>
<td>REMOTE 2</td>
<td>ADS-125</td>
</tr>
<tr>
<td>GS300</td>
<td>2002-2005</td>
<td>REMOTE 3</td>
<td>ADS-125</td>
</tr>
<tr>
<td>GS430</td>
<td>2001-2005</td>
<td>REMOTE 3</td>
<td>ADS-125</td>
</tr>
<tr>
<td>GX470</td>
<td>2003-2009</td>
<td>REMOTE 2</td>
<td>ADS-125</td>
</tr>
<tr>
<td>IS300</td>
<td>2001-2005</td>
<td>REMOTE 3</td>
<td>ADS-125</td>
</tr>
<tr>
<td>LS400</td>
<td>1998-2000</td>
<td>REMOTE 2</td>
<td>ADS-125</td>
</tr>
<tr>
<td>LS430</td>
<td>2001-2003</td>
<td>REMOTE 1</td>
<td>ADS-125</td>
</tr>
<tr>
<td>LS430 Keyed Ignition with Remote Head Key</td>
<td>2004-2006</td>
<td>REMOTE 1</td>
<td>ADS-125</td>
</tr>
<tr>
<td>LS430 Smart Entry Prox</td>
<td>2004-2006</td>
<td>On-Board Procedure- (See Below) Not supported by tool or Tech Support</td>
<td></td>
</tr>
<tr>
<td>LS430</td>
<td>2006-2007</td>
<td>REMOTE 3</td>
<td>ADS-125</td>
</tr>
<tr>
<td>LX470</td>
<td>2003-2007</td>
<td>REMOTE 2</td>
<td>ADS-125</td>
</tr>
<tr>
<td>RX300</td>
<td>1999-2003</td>
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<td>RX330</td>
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<td>2006-2008</td>
<td>REMOTE 2</td>
<td>ADS-125</td>
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<tr>
<td>SC430</td>
<td>2002-2010</td>
<td>REMOTE 1</td>
<td>ADS-125</td>
</tr>
</tbody>
</table>

### On-Board Procedure

For Smart Entry LS430 and other models not listed here

*Included here as a courtesy, Not supported by Tech Support.*

1. Driver's door open, all other doors closed, key removed from ignition switch.
   - Within 5 seconds:
     - Insert and remove the key from the ignition switch twice.

2. Within 40 seconds:
   - Close and open driver's door twice.
   - Insert and remove the key from the ignition switch.

3. Within 40 seconds:
   - Close and open driver's door twice.
   - Insert the key into the ignition switch and close the driver's door.

4. Switch ignition ON and OFF:
   - A. Once to program a key remote transmitter code whilst retaining the original codes.
   - B. Twice to program a key remote transmitter code whilst erasing the original codes.
   - C. Three times to check how many key remote transmitters are currently registered.
   - D. Five times to erase all registered codes.

5. Remove key from ignition switch. System should now lock and unlock vehicle once, twice or five times depending which mode has been selected. One to four times, slowly, to indicate number of key remote transmitters registered.

6. Within 40 seconds:
   - Press and hold LOCK and UNLOCK buttons simultaneously for 1.5 seconds.
   - Within 3 seconds: Press any key remote transmitter button.

   System should now lock and unlock vehicle once to confirm registration or twice to indicate registration has failed.

7. Within 40 seconds:
   - To program additional remotes repeat step 60 now on each additional remote you want programmed.

8. To exit programming mode open driver's door or insert key into ignition.

9. Step out of car with remote(s) in hand and test remote(s).
Lexus RKE Programming

Insert a key and turn the ignition lock to the “ON” position. Connect and follow screens.

Select:
+LEXUS
+BY SYSTEM
+REMOTES
+TYPE 1, 2, OR 3

Note: Use the Lexus Remote Type found on the Wireless Grid chart.

Note: Use the Lexus Remote Type found on the Wireless Grid chart.

REPEAT THIS PROCEDURE FOR UP TO 4 REMOTES.
Lexus RKE Programming

Use this method to ERASE REMOTE KEYLESS ENTRY

Insert a key and turn the ignition lock to the “ON” position. Connect and follow screens.

**Select:**
+LEXUS
+BY SYSTEM
+REMOTES
+TYPE 1, 2, OR 3

Note: Use the Lexus Remote Type found on the Wireless Grid chart.

**Diagnostic Menu**

ECU IDENTIFICATION
FAULT CODES
ACTUATORS
> SPECIAL FUNCTIONS

**Diagnostic Menu**

PROGRAM REMOTE
> ERASE REMOTES

**Diagnostic Menu**

ERASE REMOTES

PROCEDURE COMPLETE

**Diagnostic Menu**

ERASE REMOTES

SWITCH IGNITION ON
UNLOCK. DRV. DOOR
OPEN DRV. DOOR

PRESS ENTER KEY

**Diagnostic Menu**

ERASE REMOTES

SWITCH IGNITION ON
UNLOCK. DRV. DOOR
OPEN DRV. DOOR

PRESS ENTER KEY

**Diagnostic Menu**

ERASE REMOTES

FOLLOW NEXT SCREENS QUICKLY & CAREFULLY
COMPLETE OPERATION WITHIN 30 Sec.
AFTER PRESSING ENTER

**Diagnostic Menu**

ERASE REMOTES

PRESS LOCK & UNLOCK TOGETHER FOR 1 Sec.
WITHIN 3 Sec PRESS EITHER KEY FOR 1 Sec
TIME ELAPSED: 0 S

Note: Use the Lexus Remote Type found on the Wireless Grid chart.

**Diagnostic Menu**

SWITCH IGNITION ON

PRESS ENTER KEY

**Diagnostic Menu**

ECU IDENTIFICATION

TOYOTA LEXUS REMOTE

PRESS ENTER KEY

WHEN COMPLETED WITH THIS PROCEDURE ONLY THE 1 REMOTE USED IS PROGRAMMED.

Insert a key and turn the ignition lock to the “ON” position. Connect and follow screens.

- **Select:**
  +LEXUS
  +BY SYSTEM
  +REMOTES
  +TYPE 1, 2, OR 3

  Note: Use the Lexus Remote Type found on the Wireless Grid chart.

- **Diagnostic Menu**
  - ECU IDENTIFICATION
  - FAULT CODES
  - ACTUATORS
  - > SPECIAL FUNCTIONS

- **Diagnostic Menu**
  - PROGRAM REMOTE
  - > ERASE REMOTES

- **Diagnostic Menu**
  - ERASE REMOTES
  - PROCEDURE COMPLETE

- **Diagnostic Menu**
  - ERASE REMOTES
  - SWITCH IGNITION ON
  - UNLOCK. DRV. DOOR
  - OPEN DRV. DOOR

  PRESS ENTER KEY

- **Diagnostic Menu**
  - ERASE REMOTES
  - FOLLOW NEXT SCREENS QUICKLY & CAREFULLY
  - COMPLETE OPERATION WITHIN 30 Sec.
  - AFTER PRESSING ENTER

- **Diagnostic Menu**
  - ERASE REMOTES
  - PRESS LOCK & UNLOCK TOGETHER FOR 1 Sec.
  - WITHIN 3 Sec PRESS EITHER KEY FOR 1 Sec
  - TIME ELAPSED: 0 S

  Note: Use the Lexus Remote Type found on the Wireless Grid chart.

- **Diagnostic Menu**
  - SWITCH IGNITION ON

  PRESS ENTER KEY

- **Diagnostic Menu**
  - ECU IDENTIFICATION

  TOYOTA LEXUS REMOTE

  PRESS ENTER KEY

WHEN COMPLETED WITH THIS PROCEDURE ONLY THE 1 REMOTE USED IS PROGRAMMED.

Note: All the Remotes are now erased except for the one you used to complete this operation.

- **Diagnostic Menu**

  Note: Follow the Screen prompts.

  Note: Press the Lock & Unlock buttons together for 1 second and quickly press either the Lock or Unlock button for 1 second. You must be fast on the button operation.

Note: All the Remotes are now erased except for the one you used to complete this operation.
LEXUS
Fault Codes / Diagnostic Trouble Codes (DTC’s)

<table>
<thead>
<tr>
<th>READ FAULT CODES</th>
<th>CLEAR FAULT CODES</th>
</tr>
</thead>
<tbody>
<tr>
<td>DIAGNOSTIC MENU</td>
<td>DIAGNOSTIC MENU</td>
</tr>
<tr>
<td>ECU IDENTIFICATION</td>
<td>ECU IDENTIFICATION</td>
</tr>
<tr>
<td>&gt; FAULT CODES</td>
<td>&gt; FAULT CODES</td>
</tr>
<tr>
<td>SPECIAL FUNCTIONS</td>
<td>SPECIAL FUNCTIONS</td>
</tr>
</tbody>
</table>

Known Fault Codes:

- **B1242** Wireless Door Lock Tuner Circuit Malfunction
- **B2780** Push Switch/Key Unlock Warning Switch Malfunction
- **B2784** Antenna Coil Open/Short
- **B2793** Transponder Chip Malfunction
- **B2794** Unmatched Encryption Code
- **B2795** Unmatched Key Code
- **B2796** No Communication in Immobiliser System
- **B2797** Communication Malfunction No.1
- **B2798** Communication Malfunction No.2
- **B2799** Engine Immobiliser System Malfunction

If a DTC keeps coming back after clearing and after cycling the IGNITION ON and then OFF this indicates the fault is a system malfunction that needs to be fixed.

Depending on how many fault codes are set will depend on how many screens are displayed. One example is shown below.

To Clear Fault Codes, select it from the Menu, as shown below.

**DISPLAY FAULT CODES**

FAULT CODE: B2795
Unmatched Key Code

**CLEAR FAULT CODES**

PROCEDURE COMPLETE
LEXUS PROX SYSTEMS
PROX 1 / PROX 2 / PROX 6 / PROX 7

SPECIAL FUNCTIONS

RESET IMMOBILIZER- This function erases all keys. This function is used when the customer has lost all their keys.

PROGRAM KEY- This function allows you to add a PROX to the car’s immobilizer system. Must have an existing programmed PROX key to start the procedure with.

NOTE: Only brand new virgin Prox can be added. If the PROX is one that is compatible but previously used on another car it can (in most but not all cases) be added successfully. However, an IMMOBILIZER RESET must be performed first and the used PROX introduced as the 1st prox programmed.

ERASE KEYS- This function allows you to erase all PROX keys except the one used during the procedure. Cannot be used without a working/programmed PROX.

MORE INFO:

DRIVERS DOOR- Must be kept open during entire RESET procedure.

VEHICLE VOLTAGE- It’s critical for success that the voltage be 12 volts or above. Use jumper cables or a battery pack whenever possible to boost voltage even if you think it’s not needed. This will help avoid failure, especially during a 16 minute RESET.

PROX BATTERY- Its necessary to have a good battery in ALL the PROX being used for these procedures. Replace it with a fresh one if there is any doubt.

HAVE ONLY 1 PROX AT TIME IN THE CAR WHEN PROGRAMMING- They can interfere with one another so keep them separate and only have one new one in the car during programming.

PROX CIRCUITBoARDS MUST MATCH - Some prox have the same part # and or FCC ID on the case but contain different circuit boards. Open them up and compare when possible.

T-CODE SOFTWARE #

PROX 1 & 2 - ADS-150
PROX 6 - ADS-174
PROX 7 - ADS-227

CABLE / DONGLE:

ADC-250 / ADC- 251
A (BLACK) DONGLE

MAX # PROX KEYS:

4

SMART DONGLE?

YES

PROX KEYS:

SECURITY:

Re-usable. (SEE NOTE)

NO PIN CODE

COMPONENTS MATCHED?

MATCHING CAPABILITY?

YES

NONE

SECURITY LIGHT / THEFT INDICATOR:

Light should be out anytime a programmed PROX is in the vehicle.

QUICK TIPS-

- YOU MUST HAVE A WORKING KEY OR YOU MUST PERFORM A RESET

- PROX MUST BE BRAND NEW OR YOU MUST PERFORM A RESET

- MAKE SURE KEY IS THE CORRECT PART # AND CIRCUIT BOARD INSIDE

- CHECK / REPLACE BATTERIES IN KEYS

- ENSURE VOLTAGE IS KEPT UP WHEN PERFORMING PROCEDURES, USE JUMP PACK OR JUMPER CABLES 16 MINUTES ON A RESET CAN EASILY DRAW DOWN THE VEHICLE BATTERY IF IT’S NOT BOOSTED.
**PROX SYSTEMS**
**PROX 1 / PROX 2 / PROX 6 / PROX 7**

**RESET IMMOBILIZER**
Use this method if you have no programmed PROX

**Select:**
+LEXUS
+BY SYSTEM
+PROXIMITY
+TYPE 1, 2, 6, 7

Use the Key Look up guide for proper system selection.

**DIAGNOSTIC MENU**

- PROGRAM KEY
- ERASE KEYS
- > RESET Immobilizer
- ID REG ENG START
- ID REG SMART BOX

**PROGRAM KEYS**

- NUMBER OF KEYS
- 0 (4 MAX)

**PROGRAM KEYS**

- TOUCH ENGINE SW
- WITH EMBLEM SIDE
- OF REGISTERED KEY
- TIME 30
- BACK TO EXIT

Touch the Emblem side of the PROX Remote to the START Button on the dash. The Emblem side is the side without the buttons on it and has either the LEXUS or Lexus symbol on it.

**WARNING:**
OPEN THE DRIVERS DOOR & MAKE SURE IT STAYS OPEN UNTIL COMPLETED!

Now that the immobilizer has been RESET go to PROGRAM KEYS on the menu

Continued on next page >
If the Prox is not detected:

1. Check that it’s the correct part number. (Many look a like but are incompatible)
2. That the battery inside the prox is new.
3. That the battery voltage on the vehicle is at least 12 volts.
ADD ADDITIONAL PROX - (PROGRAM KEY)
MUST HAVE AT LEAST 1 PROGRAMMED PROX - OTHERWISE MUST RESET

Select:
+LEXUS
+ROXIMITY
+TYPE 1, 2, 6, OR 7
Use the Key Look up guide for proper system selection.

"USED PROX KEY WARNING"
Only BRAND NEW keys can be added successfully 100%.
If the prox is a used key (from another car) it can usually still be programmed
but ONLY by first performing a RESET IMMOBILIZER and introducing the
used key 1st, followed by ADDING any already programmed keys back in.

Touch the Emblem side of the PROX Remote to the START Button on the dash.
The Emblem side is the side without the buttons on it and has either the LEXUS or
Lexus symbol on it.
When you hold up the new key the car should give TWO BEEPS. If you only
hear 1 then the key is not correct. May be the wrong part number or could be a
previously used key thats locked.
Check the key if only getting 1 beep.

PROGRAM KEYS
TOUCH ENGINE SW
WITH EMBLEM SIDE
OF NEXT NEW KEY
TIME 30
BACK TO EXIT

If you have more to
program, touch the next
one to the START Button,
otherwise press ENTER
on the tester to finish the
procedure.

PROGRAM KEYS
PLEASE WAIT
BACK TO EXIT

PROGRAM KEYS
PROCEDURE COMPLETE
NUMBER OF KEYS
3
PRESS ENTER KEY
Maserati Section

T-Code Software Packs:

(ADS-178) Chrysler Proximity 2011
### 2014-2016 GRANTURISMO 4-DOOR W/ PROXIMITY START

<table>
<thead>
<tr>
<th>STRATTEC</th>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM PROX</td>
<td>CHRYSLER PROX GEN 4</td>
<td>Yes</td>
<td>Yes</td>
<td>YES READ USING CHRYSLER RFH GEN</td>
<td>G-Tan Or SD</td>
<td></td>
</tr>
<tr>
<td>(DODGE CHARGER PROX WILL SUB)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**WATCH VIDEO - PROGRAMMING A 2016 MASERATI**
MAZDA SECTION

T-CODE SOFTWARE PACKS:

Mazda CAN (ADS-133)

Mazda 2014 (ADS-225)

(Software names generally refer to the date of release on the T-CODE not the years of vehicles covered). CAN stands for Controller Area Network, not Canada.
### 2012-2015 MAZDA 2

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAZ24R-PT</td>
<td>Select by Vehicle</td>
<td>Use SMART CARD PIN Bypass</td>
<td>(Response Code Required from A.D. Web Site without a Smart Card.)</td>
<td>A-Black Or SD</td>
<td>PRO Dongle</td>
</tr>
</tbody>
</table>

### 2014-2016 MAZDA 3 WITH PUSH TO START PROXIMITY SYSTEM

<table>
<thead>
<tr>
<th>DEALER</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Fob GJY9-67-5DFY, E-Key KDY3-76-201</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Dealer INCODE Required*</td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

### 2010-2013 MAZDA 3 WITH PROXIMITY START BUTTON IGNITION

<table>
<thead>
<tr>
<th>DEALER</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Dealer Proximity Remote &amp; Key Required</td>
<td>Select by Vehicle</td>
<td>Use SMART CARD PIN Bypass</td>
<td>(Response Code Required from A.D. Web Site without a Smart Card.)</td>
<td>A / G</td>
</tr>
</tbody>
</table>

### 2006-2013 MAZDA 3 WITH KEY IGNITION

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAZ24R-PT</td>
<td>Select by Vehicle</td>
<td>Use SMART CARD PIN Bypass</td>
<td>(Response Code Required from A.D. Web Site without a Smart Card.)</td>
<td>A-Black Or SD</td>
<td>PRO Dongle</td>
</tr>
</tbody>
</table>

### 2004-2005 MAZDA 3 WITH KEY IGNITION

<table>
<thead>
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<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
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<tbody>
<tr>
<td>MAZ24R-PT</td>
<td>Select by Vehicle</td>
<td>Use SMART CARD PIN Bypass</td>
<td>(Response Code Required from A.D. Web Site without a Smart Card.)</td>
<td>A-Black Or SD</td>
<td>PRO Dongle</td>
</tr>
</tbody>
</table>

### 2006-2014 MAZDA 5

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAZ24R-PT</td>
<td>Select by Vehicle</td>
<td>Use SMART CARD PIN Bypass</td>
<td>(Response Code Required from A.D. Web Site without a Smart Card.)</td>
<td>A-Black Or SD</td>
<td>PRO Dongle</td>
</tr>
</tbody>
</table>

### 2014-2016 MAZDA 6 WITH PUSH TO START PROXIMITY SYSTEM

<table>
<thead>
<tr>
<th>DEALER</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Fob GJY9-67-5DFY, E-Key KDY3-76-201</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>Dealer INCODE Required*</td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

**Notes:** Rolling code system, get Out-Code from tester and obtain In-code from Dealer or N.A.S.T.F. Keep the tester connected or codes change to new ones and you will have to start over. Both ADD PROX and ERASE PROX are available. 2 PROX are required if using ERASE PROX.
## 2009-2013 MAZDA 6 with Proximity Start Button Ignition

<table>
<thead>
<tr>
<th>DEALER</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROX Remote: GYSL-67-5RY Emergency Key: D6Y1-76-2GXB</td>
<td>Select by Vehicle</td>
<td>Use SMART CARD PIN Bypass (Response Code Required from A.D. Web Site without a Smart Card.)</td>
<td>A-Black</td>
<td>Or SD</td>
<td></td>
</tr>
</tbody>
</table>

## 2006-2008 MAZDA 6 with Twist Knob Proximity Ignition

<table>
<thead>
<tr>
<th>DEALER</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer Proximity Remote &amp; Key Required</td>
<td>Select by Vehicle</td>
<td>Use SMART CARD PIN Bypass (Response Code Required from A.D. Web Site without a Smart Card.)</td>
<td>G-Tan</td>
<td>Or SD</td>
<td></td>
</tr>
</tbody>
</table>

## 2009-2013 MAZDA 6 with Key Ignition

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAZ24R-PT</td>
<td>Select by Vehicle</td>
<td>Use SMART CARD PIN Bypass (Response Code Required from A.D. Web Site without a Smart Card.)</td>
<td>E</td>
<td>Yellow</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Only use ERASE keys, ADD-KEY won’t work. We have also seen some of these fail to program using aftermarket keys so make sure to have TWO factory original dealer keys.

## 2005-2008 MAZDA 6 with Key Ignition

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAZ24R-PT</td>
<td>Select by Vehicle</td>
<td>Use SMART CARD PIN Bypass (Response Code Required from A.D. Web Site without a Smart Card.)</td>
<td>A-Black</td>
<td>Or SD</td>
<td></td>
</tr>
</tbody>
</table>

## 2003-2004 MAZDA 6 with Key Ignition

<table>
<thead>
<tr>
<th>DEALER</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM: GJYA-76-2GX</td>
<td>Select by Vehicle</td>
<td>Use SMART CARD PIN Bypass (Response Code Required from A.D. Web Site without a Smart Card.)</td>
<td>A-Black</td>
<td>Or SD</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Models made before 09/22/03 use Dealer Key - Part# GJYA-76-2GX Mazda Key - No substitute.

## 2000-2002 626

<table>
<thead>
<tr>
<th>DEALER</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM: BJYV-76-2GX</td>
<td>LUCAS BOX</td>
<td>Yes</td>
<td>Yes</td>
<td>IMMO Box Conversion</td>
<td>A-Black</td>
</tr>
</tbody>
</table>

**Note:** Transponder system was optional. Most 626 models with V-6 Engine’s have it. Programming key procedure is an On-Board method using a PIN Code number converted from the Immobilizer Control Unit serial number. The immobilizer control unit is located under the steering column. See programming section for more details.
## 1998-1999 626

<table>
<thead>
<tr>
<th>Dealer System</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM: GE4T-76-2GX</td>
<td>LUCAS BOX</td>
<td>Yes</td>
<td>Yes</td>
<td>IMMO Box Conversion</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

**Note:** Transponder system was optional. Most 626 models with V-6 Engine’s have it. Programming key procedure is an On-Board method using a PIN Code number converted from the Immobilizer Control Unit serial number. The immobilizer control unit is located under the steering column. See programming section for more details.

## 2007-2011 B-SERIES PICK UP’s

<table>
<thead>
<tr>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>H92-PT</td>
<td>FORD PATS 4</td>
<td>No</td>
<td>No</td>
<td>Yes with SMC &amp; ADS133</td>
</tr>
</tbody>
</table>

**Note:** If using the 10 Min Bypass, you may have to select FORD PATS 5.

## 2001-2006 B-SERIES PICK UP’S WITH OPTIONAL TRANSPONDER

<table>
<thead>
<tr>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>H92-PT</td>
<td>FORD PCM</td>
<td>No</td>
<td>No</td>
<td>Yes with SMC &amp; ADS133</td>
</tr>
</tbody>
</table>

**Note:** Transponder system is optional. Some models came with 690212 but are not transponder equipped.

## 1999-2000 B-SERIES PICK UP’S WITH OPTIONAL TRANSPONDER

<table>
<thead>
<tr>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>H72-PT</td>
<td>FORD PATS 2</td>
<td>No</td>
<td>No</td>
<td>Yes with SMC &amp; ADS133</td>
</tr>
</tbody>
</table>

**Note:** Transponder system is optional.

## 2016 CX-3 WITH PUSH TO START PROXIMITY SYSTEM

<table>
<thead>
<tr>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fob KDY3-67-5DY</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>*Free InCode Bypass now available for SD</td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

**Notes:** Rolling code system, get Out-Code from tester and obtain In-code from Dealer or N.A.S.T.F. Keep the tester connected or codes change to new ones and you will have to start over. Both ADD PROX and ERASE PROX are available. 2 PROX are required if using ERASE PROX.

## 2013-2015 CX-5 WITH PUSH TO START PROXIMITY SYSTEM

<table>
<thead>
<tr>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fob KDY3-67-5DY</td>
<td>Select by Vehicle</td>
<td>Yes</td>
<td>*Free InCode Bypass now available for SD</td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

**Notes:** Rolling code system, get Out-Code from tester and obtain In-code from Dealer or N.A.S.T.F. Keep the tester connected or codes change to new ones and you will have to start over. Both ADD PROX and ERASE PROX are available. 2 PROX are required if using ERASE PROX.
### 2007-2014 CX-7 / CX-9 with Proximity Ignition

**Dealer Proximity Remote & Key Required**

- **SMART Card PIN Required**: Use SMART CARD JTPIN Bypass
- **PIN Read**: G-Tan

**ILCO SYSTEM SMART Card PIN Required**

- **SMART Card PIN Required**: Use SMART CARD PIN Bypass
- **PIN Read**: A-Black

### 2000-2005 Miata

**Dealer Key: BJYV-76-2GX**

- **SMART Card PIN Required**: IMMO Box Conversion

### 2000-2006 MPV Van

- **SMART Card PIN Required**: IMMO Box Conversion

### 2006-2015 MX-5 Miata with Proximity Ignition

- **Dealer Proximity Remote & Key Required**: Use SMART CARD JTPIN Bypass

### 2014-2015 MX-5 Miata with Key Ignition

- **MAZ24R-PT**

### 2006-2015 MX-5 Miata with Key Ignition

- **MAZ24R-PT**

---

**Note:** Programming key procedure is an On-Board method using a PIN Code number converted from the Immobilizer Control Unit serial number. The Immobilizer Control Unit is located under the steering column. See programming section for more details.
<table>
<thead>
<tr>
<th>Year</th>
<th>Model</th>
<th>probs</th>
<th>System</th>
<th>Pin Required</th>
<th>Pin Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>2006-2011 RX-8</td>
<td>PROXIMITY IGNITION</td>
<td>PROX Card: NFY7-67-RYB Emergency Key: D4Y1-76-2GXA</td>
<td>Select by Vehicle</td>
<td>Use SMART CARD PIN Bypass (Response Code Required from A.D. Web Site without a Smart Card.)</td>
<td>PRO Dongle</td>
<td></td>
</tr>
<tr>
<td>2004-2011 RX-8</td>
<td>KEY IGNITION</td>
<td>MAZ24R-PT</td>
<td>Select by Vehicle</td>
<td>Use SMART CARD PIN Bypass (Response Code Required from A.D. Web Site without a Smart Card.)</td>
<td>PRO Dongle</td>
<td></td>
</tr>
<tr>
<td>2009-2011 TRIBUTE</td>
<td></td>
<td>H92-PT</td>
<td>FORD PATS 5</td>
<td>No</td>
<td>No</td>
<td>Yes with SMC &amp; ADS133</td>
</tr>
<tr>
<td>2005-2008 TRIBUTE</td>
<td></td>
<td>H92-PT</td>
<td>FORD CAN 3</td>
<td>No</td>
<td>No</td>
<td>Yes with SMC &amp; ADS133</td>
</tr>
<tr>
<td>2001-2004 TRIBUTE</td>
<td></td>
<td>H86-PT</td>
<td>FORD PCM</td>
<td>No</td>
<td>No</td>
<td>Yes with SMC &amp; ADS133</td>
</tr>
</tbody>
</table>

**Note:** 2004 is a split year, try PCM and CAN 3 & use the system that communicates. Determine the system before cutting key.

2008 may be PATS 4 and if using the 10Min bypass use PATS 5.
### MAZDA PIN CODE

#### LUCAS BOX

#### SERIAL NUMBER TO PIN CODE CONVERTER

**SPECIAL FUNCTIONS**

**MAZDA PIN CODE** - Use the PRO to convert the serial number to the “PINCODE” (code number).

To use the converter you don’t plug into the car!

You can plug into a wall outlet with your Update cable or plug into the OBD2 port of most any vehicle to power the PRO.

Since the software does **NOT** communicate with car - you only need to supply power to the PRO.

<table>
<thead>
<tr>
<th>T-CODE SOFTWARE #</th>
<th>CABLE / DONGLE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADS-100</td>
<td>PRO ONLY NEEDS TO BE POWERED UP WITH ANY DONGLE</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MAX # KEYS:</th>
<th>SMART DONGLE?</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>YES</td>
</tr>
</tbody>
</table>

**KEYS:**

- RE-USABLE: N/A
- COMPONENTS MATCHED?: YES
- MATCHING CAPABILITY?: NONE

**SECURITY LIGHT / THEFT INDICATOR:**

---

**MORE INFO:**

If a new key has to be programmed in to the car’s Immobilizer system, all other keys will be erased. Therefore, all available keys will need to be present for programming. The Immobilizer Unit and PCM (Power Control Module) cannot be taken off and used on other cars and visa-versa. If there are less than 2 pre-programmed transponder keys, a PIN CODE will be needed to open the Immobilizer Unit’s programming mode.

Here is the Lucas Immobilizer Box. It’s located under the dash up above the brake pedal and you will need to carefully remove the trim to get to it.

The serial number is located on the lower half of the label. In this case, the “PINCODE” for this box is “61766866”. The serial number is always 10 numbers and the PINCODE is always 8 numbers.
MAZDA PIN CODE
LUCAS BOX SERIAL NUMBER TO PIN CODE CONVERTER

Use this method TO CONVERT THE BOX SERIAL NUMBER TO A PIN CODE

Select:
+MAZDA
+BY SYSTEM
MAZDA CODE

MAZDA MECS
PLEASE WAIT

MAZDA CODE CONVERTER
PRESS ENTER KEY

SERIAL CODE
_ _ _ _ _ _ _ _ _ _

INVALID SER. #
PRESS ENTER KEY

ENTER THE SERIAL NUMBER FOUND ON THE IMMO BOX LABEL

SERIAL CODE
593 031 7259

IS CODE CORRECT
OK=ENTER   CLEAR=BACK

MAZDA MECS
SER. No.
593-031-7259
PINCODE: 1777-1543
PRESS ENTER KEY

If an INVALID CODE message is displayed try ADDING or SUBTRACTING one number to the 2nd digit of the serial number

It can take between a few seconds to 15 minutes to search for your PINCODE. There are several million codes to look through, please be patient.
MAZDA PIN CODE
LUCAS BOX SERIAL NUMBER TO PIN CODE CONVERTER

Use this ON-BOARD PROCEDURE FOR USING THE PIN CODE.
(Does NOT involve using the PRO!)

USE THIS PROCEDURE FOR WHEN THERE ARE NO KEYS OR ONLY 1 PRE-PROGRAMMED KEY AND YOU NEED TO PROGRAM MORE KEYS:

IMPORTANT: YOU MUST USE A OEM FACTORY KEY, AFTERMARKET KEYS WON’T WORK FOR THIS PROCEDURE.

REMEMBER: THIS IS ALL DONE AS AN ON-BOARD PROCEDURE ON THE CAR WITHOUT THE PRO!

<table>
<thead>
<tr>
<th>START BY DOING THIS:</th>
<th>THEN DO THIS:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Cut the mechanical cuts on each new transponder key.</td>
<td><strong>A</strong> Before you start, the security light on the dash should be flashing on and off for 1.2 seconds each.</td>
</tr>
<tr>
<td>2 Insert the first key and turn the ignition to the ON position and then back to the LOCK position, five times. You cannot leave the key in the ON or LOCK position for more than one second. Do not turn the key too fast or it will not register.</td>
<td><strong>B</strong> For this purpose, let’s say the PINCODE is “23681457”. Below is an example. Do not turn the key too fast or it will not register.</td>
</tr>
<tr>
<td>3 Turn the key back to the ON position and watch the flashing security light on the dash. The light should flash rapidly, less than 1 second on and off.</td>
<td><strong>C</strong> The first digit in the PINCODE is a ‘2’. Turn the ignition key to the ON position while the security light is not illuminated. Count the illumination flashes <strong>TWO</strong> times and while the light is not illuminated turn the key to the LOCK position. (This is an example.)</td>
</tr>
</tbody>
</table>
| 4 Within 20 seconds, turn the key to the LOCK position for 5 minutes. After 5 minutes the security light should decrease in flashing to 1.2 seconds between flashes. | **D** The second digit in the PINCODE is a ‘3’.
Within 30 seconds of turning the key to the LOCK position, turn the ignition key to the ON position while the security light is not illuminated. Count the illumination flashes **THREE** times and while the light is not illuminated turn the key to the LOCK position. |
| 5 Within 20 seconds, start to enter the PINCODE (password). | **E** Repeat the above step to enter the rest of the PINCODE. |
| **F** After you have entered the last number, turn the ignition to LOCK and then back ON. Once you have entered the PINCODE correctly, the security light will stop flashing and stay illuminated. If you make a mistake, just wait 45 seconds and start over. Do not remove the key. |
MAZDA PIN CODE
LUCAS BOX SERIAL NUMBER TO PIN CODE CONVERTER

ON-BOARD PROCEDURE FOR USING THE PIN CODE.
- Continued

ONCE YOU GET THE THEFT LIGHT TO ILLUMINATE SOLID
DO THIS:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1</strong></td>
<td>When you have entered the PINCODE correctly, the security light should stay on and not flash.</td>
</tr>
<tr>
<td><strong>2</strong></td>
<td>The car should now start. Start the car and the security light should stay lit for between 1 to 2 seconds.</td>
</tr>
<tr>
<td><strong>3</strong></td>
<td>The car should now start. Start the car and the security light should stay lit for between 1 to 2 seconds.</td>
</tr>
<tr>
<td><strong>4</strong></td>
<td>If you are going to add a second key for programming, within 20 seconds, remove the first key and insert the second key and start the car. The security light should stay lit for between 1 to 2 seconds.</td>
</tr>
<tr>
<td><strong>5</strong></td>
<td>Stop if you have no more keys to program.</td>
</tr>
<tr>
<td><strong>6</strong></td>
<td>You must wait 30 seconds to end the program mode.</td>
</tr>
</tbody>
</table>

TIPS:

> The ignition key should not be turned ON twice within one non-illumination cycle.

> The ignition key should not be turned ON during an illumination cycle.

> The ignition key should not be turned to LOCK twice within one non-illumination cycle.

ONCE YOU HAVE TWO KEYS PROGRAMMED YOU CAN ON BOARD PROGRAM MORE.

>>END<<
## Special Functions

<table>
<thead>
<tr>
<th>Description</th>
<th>T-Code Software #</th>
<th>Cable / Dongle:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clear Key - Used to erase all currently programmed keys.</td>
<td>ADS-133</td>
<td>ADC-250 / ADC-251</td>
</tr>
<tr>
<td>Add Keys - Used to add keys without erasing others.</td>
<td></td>
<td>See Key Look Up Grid for Dongle Selection To Use.</td>
</tr>
<tr>
<td>Keys Programmed - Used to read the number of keys programmed.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### T-Code Software # | Cable / Dongle:
--- | ---
ADS-133 | ADC-250 / ADC-251

### Max # Keys:
- **8**

### Security:
- **Smart Dongle?**
  - **Yes**

### Security Light / Theft Indicator:
The theft light should be "OFF" (not blinking) when a programmed key is used to turn the ignition "ON". A blinking theft light indicates a system malfunction, a mismatch of components or less than 2 keys programmed.

### More Info:
**These are Varients of Ford Systems.**

Make sure the vehicle's voltage is kept at at least 12 volts during programming. Using jumper cables or a booster pack is highly recommended.

At least 2 keys must be programmed into the system in order for the engine to start. Erasing all keys and cycling only 1 key will result in a NO START situation. The system will remain in programming mode until a 2nd key is cycled closing the procedure.
MAZDA
“BLADED IGNITION KEY” SYSTEMS

CLEAR / ERASE KEYS
Use this procedure to ERASE & PROGRAM 2 KEYS

MAKE SURE YOU HAVE 2 KEYS CUT & READY TO PROGRAM

Select:
+MAZDA
+N. AMERICA
+BY VEHICLE* (UNLESS OTHERWISE DIRECTED AS BY THE KEY LOOK UP SECTION,
+MODEL (SELECT THE MODEL YOU ARE WORKING ON IE. MAZDA 3 ETC.)
+YEAR (SELECT THE YEAR OF THE VEHICLE YOU ARE WORKING ON IE. MAZDA 3 ETC.)
SELECT: +BLADED (IF GIVEN A CHOICE)

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
SPECIAL FUNCTIONS
PRESS ENTER KEY

SWITCH IGNITION ON
PRESS ENTER KEY

ECU IDENTIFICATION
PRESS ENTER KEY

PATS 3 CAN
(MAZDA 3)

ECU IDENTIFICATION SCREEN MAY VARY SLIGHTLY DEPENDING ON WHICH MODEL OR SYSTEM IS SELECTED.

AT THIS POINT ITS A VERY GOOD IDEA TO CHECK THE KEYS PROGRAMMED FUNCTION.
IF THE READ IS KEYS PROGRAMMED:0 YOU MAY HAVE SELECTED THE WRONG VEHICLE/SYSTEM & SHOULD PROBABLY START OVER.
DISCONNECT, TURN THE KEY OFF. WAIT 10 SECONDS. TURN THE KEY BACK ON.
THEN RE-CONNECT AND TRY AGAIN.
### MAZDA

#### “BLADED IGNITION KEY” SYSTEMS

**CLEAR / ERASE KEYS**  
Use this procedure to ERASE & PROGRAM 2 KEYS - CON’T'D

<table>
<thead>
<tr>
<th>DIAGNOSTIC MENU</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt; CLEAR / ERASE PATS</td>
</tr>
<tr>
<td>ADD KEY</td>
</tr>
<tr>
<td>KEYS PROGRAMMED</td>
</tr>
</tbody>
</table>

**PRESS ENTER KEY**

**MIN KEYS REQUIRED : 2**

**PRESS ENTER KEY**

**IF YOU GET “KEY ALREADY PROGRAMMED” THE SYSTEM SELECTED WAS THE WRONG ONE.**

**CLEAR KEYS**

ACCESS GRANTED

**PROGRAM KEYS**

- KEYS PROGRAMMED: 00
- DISCONNECT TESTER
- CYCLE KEYS TO PROGRAM

**PRESS ENTER KEY**

- TURN THE IGN OFF. THEN BACK ON WITH THE 1ST KEY. WAIT 5 SECONDS. REMOVE THE 1ST KEY. TURN IGN ON WITH 2ND KEY. WAIT 5 SECONDS.
- THEFT LIGHT SHOULD GO OUT AND IF YOU PLUG BACK IN AND CHECK “KEYS PROGRAMMED” IT SHOULD READ: KEYS PROGRAMMED: 02
MAZDA
“BLADED IGNITION KEY” SYSTEMS

ADD KEY
Use this procedure to ADD 1 KEY
NOT AVAILABLE / USABLE ON SOME MODELS - CHECK THE KEY LOOK UP!

MAKE SURE THE KEY YOU WANT TO ADD IS IN THE IGNITION!

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

PATS 3 CAN
( MAZDA 3)

PRESS ENTER KEY

ECU IDENTIFICATION SCREEN MAY VARY SLIGHTLY DEPENDING ON WHICH MODEL OR SYSTEM IS SELECTED.

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
SPECIAL FUNCTIONS

PRESS ENTER KEY

AT THIS POINT ITS A VERY GOOD IDEA TO CHECK THE KEYS PROGRAMMED FUNCTION. IF THE READ IS KEYS PROGRAMMED:0 YOU MAY HAVE SELECTED THE WRONG VEHICLE/SYSTEM & SHOULD PROBABLY START OVER. DISCONNECT, TURN THE KEY OFF. WAIT 10 SECONDS. TURN THE KEY BACK ON. THEN RE-CONNECT AND TRY AGAIN.

DIAGNOSTIC MENU

CLEAR / ERASE PATS
>ADD KEY
KEYS PROGRAMMED

PRESS ENTER KEY

MIN KEYS REQUIRED : 2

PRESS ENTER KEY

IF YOU GET “KEY ALREADY PROGRAMMED” THE SYSTEM SELECTED WAS THE WRONG ONE.

CLEAR KEYS

ACCESS GRANTED

PROGRAM KEYS

READING KEY / STORING KEY
KEYS PROGRAMMED: 03

PRESS ENTER KEY

TURN THE IGN OFF. THEN BACK ON.
THEFT LIGHT SHOULD GO OUT AND IF YOU CHECK “KEYS PROGRAMMED” IT SHOULD HAVE INCREASED BY 1 KEY.

>>END<<
MAZDA
“TWIST KNOB”
PROX SYSTEM

SPECIAL FUNCTIONS

TWO STEP PROCEDURE. - Each key is TWO PARTS, one is the E-KEY the other is the FOB PART.

STEP # 1 - Program E-KEYS. using KEY FUNCTIONS.
STEP # 2 - Program the FOBS, using PROX FUNCTIONS.

CLEAR KEY- Used to erase all currently programmed E-KEYS.
ADD KEYS- Used to ADD E-KEYS without erasing others.
KEYS PROGRAMMED- Used to read the number of keys & prox programmed.
CLEAR PROX- Used to erase all currently programmed FOBS.
ADD PROX- Used to ADD FOBS without erasing others.

MORE INFO:

Make sure the vehicles voltage is kept at at least 12 volts during programming. Using jumper cables or a booster pack is highly recommended.

T-CODE SOFTWARE # | CABLE / DONGLE:
--- | ---
ADS-133 | ADC-250 / ADC- 251 G (TAN) DONGLE

MAX # PROX KEYS: | SMART DONGLE?
--- | ---
6 | YES

PROX KEYS: | SECURITY:
--- | ---
Re-usable. | INCODE / OUTCODE BYPASSED
COMPONENTS MATCHED?
YES
MATCHING CAPABILITY?
NONE

SECURITY LIGHT / THEFT INDICATOR:
The theft light should be OFF whenever there is a working prox inside the vehicle.

“CARD” STYLE PROX FOB & E-KEY
(2006-2009)

“TOMBSTONE” STYLE PROX FOB & E-KEY
(2010-2014)

Press the little button and gently pull to remove the twist knob
MAZDA
“TWIST KNOB” PROX

KEY FUNCTIONS / CLEAR / ERASE KEYS
Use this procedure to ERASE & PROGRAM 2 E-KEYS

MAKE SURE YOU HAVE 2 E-KEYS READY TO PROGRAM

Select:
+MAZDA
+N. AMERICA
+BY VEHICLE
+SELECT THE MODEL (FOR EXAMPLE CX-7 OR CX-9 ETC.)
+SELECT THE YEAR (FOR EXAMPLE 2009>)
+PROXIMITY

REMOVE THE TWIST KNOB TO EXPOSE THE IGNITION AND INSERT ONE OF THE E-KEYS IN THE IGNITION.

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION
MAZDA PATS CAN
VIN: JM3TB388V48013397

PRESS ENTER KEY

OR

REQUIRES SMART CARD CALCULATOR OR WEB APP
USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

DIAGNOSTIC MENU
ECU IDENTIFICATION
FAULT CODES
SPECIAL FUNCTIONS

PRESS ENTER KEY

DIAGNOSTIC MENU
> CLEAR KEY
ADD KEY
CLEAR PROX
ADD PROX
KEYS PROGRAMMED

PRESS ENTER KEY

DIAGNOSTIC MENU
> CLEAR / ERASE PATS
ADD KEY
KEYS PROGRAMMED

PRESS ENTER KEY

CLEAR KEYS
ACCESS GRANTED

PROGRAM KEYS

CYCLE KEYS
KEYS PROGRAMMED: 00

CYCLE KEYS TO PROGRAM

CYCLE THE KEY OFF THEN BACK ON....
MAZDA
“TWIST KNOB” PROX

KEY FUNCTIONS / CLEAR / ERASE KEYS
Use this procedure to ERASE & PROGRAM 2 E-KEYS - CONTINUED

PROGRAM KEYS

CYCLE KEYS
KEYS PROGRAMMED: 01
CYCLE KEYS TO PROGRAM

As you cycle the keys - the screen on the PRO will show the key count change.

REMOVE THE 1ST KEY AND TURN THE IGNITION ON WITH THE 2ND KEY.

PROGRAM KEYS

CYCLE KEYS
KEYS PROGRAMMED: 02
CYCLE KEYS TO PROGRAM
PRESS ENTER KEY

NOW THAT THE SCREEN SHOWS 2 KEYS PROGRAMMED PRESS ENTER & GO TO THE NEXT STEP WHICH IS TO PROGRAM THE PROX FOBS

ADDING AN E-KEY - You can use ADD-KEY on the menu to ADD additional E-KEYS. The Process is pretty much the same as we have shown here except you select ADD KEY & you only need 1 E-KEY that you want to program.

WHEN USING ADD-KEY MAKE SURE THAT THE KEY YOU WANT TO PROGRAM IS IN THE IGNITION DURING THE PROCEDURE!
MAZDA
“TWIST KNOB” PROX

MAKE SURE YOU HAVE 2 PROGRAMMED E-KEYS & 2 PROX FOBS READY TO PROGRAM.

Select:
+MAZDA
+N. AMERICA
+BY VEHICLE
+SELECT THE MODEL (FOR EXAMPLE CX-7 OR CX-9 ETC.)
+SELECT THE YEAR (FOR EXAMPLE 2009>)
+PROXIMITY

SWITCH IGNITION ON

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
ACTUATORS
SPECIAL FUNCTIONS

PRESS ENTER KEY

DIAGNOSTIC MENU

CLEAR KEY
ADD KEY
> CLEAR PROX
ADD PROX
KEYS PROGRAMMED

PRESS ENTER KEY

CLEAR PROX
ACCESS GRANTED

PRESS ENTER KEY

THE CARS DOOR LOCKS SHOULD CYCLE.

ADD PROX
WAIT FOR LOCKS TO CYCLE TWICE

HOLD PROX NEAR PASSENGER SEAT

PRESS ‘UNLOCK’ ON PROX TWICE

LOCKS SHOULD CYCLE TWICE AGAIN

Carefully follow the screen prompts above - the PRO should indicate the first Prox is programmed.

What we are doing is holding the PROX FOB over the passenger seat and pressing the UNLOCK BUTTON on the FOB TWICE. The door locks should cycle when the 1st PROX FOB is programmed and the screen should change to show PROX PROGRAMMED: 1
MAZDA

“TWIST KNOB” PROX

PROX FUNCTIONS / CLEAR / ERASE KEYS
Use this procedure to ERASE & PROGRAM 2 PROX FOBS - CONTINUED

KEYS PROGRAMMED

KEYS PROGRAMMED: 2
PROX PROGRAMMED: 1

PRESS ENTER KEY

PRESS ENTER AND REPEAT THE PROCESS FOR THE 2ND PROX FOB

FINAL STEP-

Start the vehicle with each programmed E-Key.

This is VERY IMPORTANT & MUST be done for everything to work as it should.

ADDING A PROX FOB - You can use ADD-PROX on the menu to ADD additional E-PROX FOBS. The Process is very much the same as we have shown here except you only need 1 PROX FOB that you want to program.

YOU MUST HAVE AT LEAST ONE PROGRAMMED E-KEY TO USE BEFORE STARTING THE PROCEDURE.

IMPORTANT:

Before ADDING a PROX make sure you have at least one of the 2 already working PROX available.

This is because of the way MAZDA designed the system.

Before the PROX that has been added will work properly the engine MUST be started with TWO prox keys.

If you ADD a Prox but DO NOT have the other PROX available the new prox may not work properly until the engine is started with each of the 2 PROX KEYS.

The process can be completed later by starting the engine with the other prox but this is something to be aware of as your customer will likely NOT be happy until everything works as designed.
**SPECIAL FUNCTIONS**

**TWO STEP PROCEDURE.** - Each key is TWO PARTS, one is the E-KEY the other is the FOB PART.

**STEP # 1** - Program E-KEYS. using KEY FUNCTIONS

**STEP # 2** - Program the FOBS, using PROX FUNCTIONS

**SERVICE MODE** - Used to turn the ignition on when no working key is available.

**CLEAR / PROGRAM KEYS** - Used to erase all currently programmed E-KEYS.

**ADDITIONAL KEYS** - Used to ADD E-KEYS without erasing others.

**KEYS PROGRAMMED** - Used to read the number of keys programmed.

**CLEAR / PROGRAM PROX** - Used to erase all currently programmed FOBS.

**ADDITIONAL KEYS** - Used to ADD FOBS without erasing others.

**FOBS PROGRAMMED** - Used to read the number of keys programmed.

**MORE INFO:**

Make sure the vehicle's voltage is kept at least 12 volts during programming. Using jumper cables or a booster pack is highly recommended.

**T-CODE SOFTWARE #**

<table>
<thead>
<tr>
<th>T-CODE SOFTWARE #</th>
<th>CABLE / DONGLE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADS-133</td>
<td>ADC-250 / ADC-251</td>
</tr>
<tr>
<td></td>
<td>A (BLACK) DONGLE</td>
</tr>
</tbody>
</table>

**MAX # PROX KEYS:**

<table>
<thead>
<tr>
<th>PROX KEYS</th>
<th>SECURITY:</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>YES</td>
</tr>
</tbody>
</table>

**SMART DONGLE?**

Yes

**SECURITY LIGHT / THEFT INDICATOR:**

The theft light should be OFF whenever there is a working prox inside the vehicle.

**E-KEY LEARNING SLOT** - Under snap off cover on the steering column.

The learning slot, **DOES NOT TURN! Simply place the E-KEY inside.**
Honda "PUSH TO START" PROX

Use this method to enter "SERVICE MODE"
- Use when no working key is available

**Select:**

+MAZDA
+N. AMERICA
+BY VEHICLE
+SELECT THE MODEL (FOR EXAMPLE MAZDA 3)
+SELECT THE YEAR (FOR EXAMPLE 2010-2011)
+SPECIAL FUNCTIONS
+SERVICE MODE

**SERVICE MODE**

PRESS START / STOP TWICE
IGNITION SHOULD SWITCH ON

HOPEFULLY THE IGNITION GOES TO THE ON POSITION

IF THE IGNITION FAILS TO COME ON, REPEAT THIS PROCEDURE, UNTIL IT DOES. BE PATIENT, IT MAY TAKE SEVERAL ATTEMPTS.

Here’s a little tip that will help if you are having trouble with this part: Go to KEY FUNCTIONS and SELECT ADD-KEY. IT will FAIL. That’s OK. Go back to SERVICE MODE and usually it will work straight off!

ONCE YOU HAVE SUCCEEDED LEAVE THE IGNITION ON AND GO TO KEY FUNCTIONS.
MAZDA
“PUSH TO START” PROX

KEY FUNCTIONS / CLEAR/ ERASE KEYS
Use this procedure to ERASE & PROGRAM 2 E-KEYS

MAKE SURE YOU HAVE 2 E-KEYS READY TO PROGRAM
Select:
+MAZDA
+N. AMERICA
+BY VEHICLE
+SELECT THE MODEL (FOR EXAMPLE MAZDA 3
+SELECT THE YEAR (FOR EXAMPLE 2010-2011)
+KEY FUNCTIONS
+CLEAR / ERASE KEYS

CLEAR KEYS
IGNITION ON
PRESS ENTER KEY

CLEAR KEYS
WARNING
ALL KEYS WILL BE CLEARED
CONTINUE ✔

KEYS PROGRAMMED
KEYS PROGRAMMED : 02

CLEAR KEYS
ACCESS GRANTED

KEYS PROGRAMMED
KEYS PROGRAMMED : 0

CLEAR KEYS
SUCCESS
2 KEYS REQUIRED
REMOVE ALL PROGRAMMED FOBS FROM THE VEHICLE
PRESS ENTER KEY

REMOVE ANY FOBS THAT MIGHT BE IN THE CAR AT THIS POINT.

VERY IMPORTANT: There is an ERROR in the programming screens here.
We are attempting to get it fixed.
But, DO NOT FOLLOW THE NEXT STEP!

PROGRAM KEYS
TURN IGNITION OFF
PRESS START / STOP
PRESS ENTER KEY

LEAVE THE IGNITION ON!!!
Use this procedure to ERASE & PROGRAM 2 E-KEYS - Continued

PLACE AN E-KEY (KEY #1 OF THE 2 YOU ARE USING) IN THE LEARN-ING SLOT

IT SHOULD ALREADY BE ON! SO, JUST PRESS ENTER.....

KEYS PROGRAMMED

KEYS PROGRAMMED : 01

IT IS OK TO FOLLOW THIS PROMPT....

OK, YOU HAVE SUCCESSFULLY COMPLETED STEP #1 AND HAVE 2 PROGRAMMED E-KEYS.

NOW GO TO STEP #2 WHICH IS TO PROGRAM THE FOBS.
MAZDA
“PUSH TO START” PROX

PROX FUNCTIONS / CLEAR/ ERASE PROX
Use this procedure to ERASE & PROGRAM 2 PROX FOBS

MAKE SURE YOU HAVE 2 PROGRAMMED E-KEYS & 2 PROX FOBS READY TO PROGRAM

Select:
+MAZDA
+N. AMERICA
+BY VEHICLE
+SELECT THE MODEL (FOR EXAMPLE MAZDA 3
+SELECT THE YEAR (FOR EXAMPLE 2010-2011)
+PROX FUNCTIONS
+CLEAR / ERASE PROX

KEYS PROGRAMMED

FOBS PROGRAMMED : 00
KEYS PROGRAMMED : 02

CLEAR PROX

SUCCESS

PRESS ENTER KEY

PROGRAM PROX FOB

PROGRAMMING IN PROGRESS
PRESS UNLOCK BUTTON EVERY 5 SECONDS ON PROX FOB 1

THE CARS DOOR LOCKS SHOULD CYCLE.
REPEATEDLY PRESS THE “UN-LOCK” BUTTON ON THE FOB UNTIL IT PROGRAMS

KEYS PROGRAMMED

FOBS PROGRAMMED : 01
KEYS PROGRAMMED : 02

PRESS ENTER KEY

OR

REQUIRES SMART CARD CALCULATOR OR WEB APP
USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

CLEAR PROX

IGNITION ON
PRESS ENTER KEY
CLEAR KEYS

WARNING
ALL KEYS WILL BE CLEARED
CONTINUE

KEYS PROGRAMMED

FOBS PROGRAMMED : 02
KEYS PROGRAMMED : 02

KEYS PROGRAMMED

FOBS PROGRAMMED : 02
KEYS PROGRAMMED : 02

PRESS ENTER KEY
MAZDA
“PUSH TO START” PROX

PROX FUNCTIONS / CLEAR/ ERASE PROX
Use this procedure to ERASE & PROGRAM 2 PROX FOBS

PROGRAM PROX FOB

PROGRAMMING IN PROGRESS
PRESS UNLOCK BUTTON EVERY 5 SECONDS ON PROX FOB 2

THE CARS DOOR LOCKS SHOULD CYCLE.

REPEATEDLY PRESS THE “UN-LOCK” BUTTON ON THE FOB UNTIL IT PROGRAMS

IF THE LOCKS CYCLE ONCE BUT YOU BUT THE FOBS WILL NOT PROGRAM YOU MAY HAVE THE WRONG FOB PART NUMBER. CHECK / REPLACE THE BATTERY IN THE FOB.

KEYS PROGRAMMED

FOBS PROGRAMMED : 02
KEYS PROGRAMMED : 02

PRESS ENTER KEY

PROGRAM PROX FOBS

SUCCESS

PRESS ENTER KEY

THE FINAL STEP TO CLOSE OUT PROGRAMMING IS TO START THE VEHICLE WITH EACH OF THE PROGRAMMED E-KEYS.

DEPRESS THE BRAKE PEDAL & START THE VEHICLE WITH E-KEY #1 THE LEARNING SLOT.

THEN START THE VEHICLE WITH E-KEY #2 IN THE LEARNING SLOT.

ONCE YOU HAVE DONE THIS CHECK THAT EVERYTHING IS WORKING AS IT SHOULD BE.

REMEMBER TO REPLACE THE PLASTIC COVER OVER THE LEARNING SLOT.

JOB DONE, GOOD WORK!

IF THE LOCKS CYCLE ONCE BUT YOU BUT THE FOBS WILL NOT PROGRAM YOU MAY HAVE THE WRONG FOB PART NUMBER. CHECK / REPLACE THE BATTERY IN THE FOB.
### SPECIAL FUNCTIONS

#### FORCE IGNITION ON
- **Use this function when you have NO WORKING prox available.**
- To use CLEAR OR ADD PROX the Ignition must first be placed in the ON position.
- Use FORCE IGNITION ON to accomplish this FIRST before doing anything else.

Once the Ignition is ON, leave it on and proceed to one of the procedures below.

#### CLEAR PROGRAM PROX
- **Use this function to CLEAR all existing prox remotes from the system and to PROGRAM TWO new ones.**
- **You will need to have TWO prox remotes ready in order to complete this procedure.**
- The Ignition MUST be placed in the ON position to begin so either use FORCE IGNITION ON.
- If you have a working prox use it to place the ignition in the ON position.

#### ADD PROX
- **Use this function when you want to ADD a prox into the system without erasing any of the already programmed ones.**
- **You will need to have ONE prox remote ready in order to complete this procedure. However, the Prox will not function completely until the engine is started with TWO Prox remotes. Until the engine starts with TWO prox remotes the new prox will only start the engine when held up to the Start/Stop button.**
- The Ignition MUST be placed in the ON position to begin so either use FORCE IGNITION ON.
- If you have a working prox use it to place the ignition in the ON position.

### MORE INFO:

- Two or more remote transmitters (PROX) must be programmed for the engine to start.
- If any metallic or magnetic object is near the remote transmitter, communication between the remote transmitter and the vehicle may be obstructed, resulting in a failure to program.

<table>
<thead>
<tr>
<th>T-CODE SOFTWARE #</th>
<th>CABLE / DONGLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADS-225</td>
<td>ADC-250 / ADC-251 G (TAN) DONGLE</td>
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<table>
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<tr>
<th>MAX # PROX KEYS</th>
<th>SMART DONGLE?</th>
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</thead>
<tbody>
<tr>
<td>6</td>
<td>YES</td>
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<table>
<thead>
<tr>
<th>PROX KEYS:</th>
<th>SECURITY:</th>
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</thead>
<tbody>
<tr>
<td>RE-USABLE</td>
<td>OUTCODE / INCODE</td>
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<tr>
<td></td>
<td>Obtain from a dealer or NASTF</td>
</tr>
<tr>
<td></td>
<td>BYPASS AVAILABLE for Smart</td>
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<tr>
<td></td>
<td>Dongle owners on V12.50&gt;</td>
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</table>

<table>
<thead>
<tr>
<th>COMPONENTS MATCHED?</th>
</tr>
</thead>
<tbody>
<tr>
<td>YES</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MATCHING CAPABILITY?</th>
</tr>
</thead>
<tbody>
<tr>
<td>NONE</td>
</tr>
</tbody>
</table>

### SECURITY LIGHT / THEFT INDICATOR:

When the vehicle is started the theft light / indicator should be out. (Not blinking etc)
2014-2016
MAZDA PROX

FORCE IGNITION ON PROCEDURE
(USE WHEN NO WORKING PROX IS AVAILABLE)

YOU MAY SKIP THE “FORCE IGNITION ON” PRECEDURE
IF YOU HAVE A WORKING PROX AVAILABLE.

Select:
+MAZDA
+N. AMERICA
+BY VEHICLE
+MODEL (Select the model you are working on IE: CX-5)
+YEAR (Select the year you are working on IE 2014-2016)

OR

REQUIRES SMART CARD CALCULATOR OR WEB APP
USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

HAZARDS ON/IGNITION OFF
PRESS ENTER KEY

ECU IDENTIFICATION
MAZDA CX5 / 3 / 6
PRESS ENTER KEY

DIAGNOSTIC MENU

>FORCE IGNITION ON
CLEAR PROGRAM PROX
ADD PROX

FORCE IGNITION
PRESS & RELEASE START / STOP BUTTON

PRESS ENTER KEY

FORCE IGNITION
WAIT FOR THE LIGHT ON
START / STOP BUTTON TO TURN
ORANGE THEN PRESS &
RELEASE START / STOP BUTTON
IGNITION SHOULD TURN ON

The light on the START / STOP Button
should turn ORANGE once it does
Press the START / STOP BUTTON
& the Ignition should turn ON.

THE DASH SHOULD BE FULLY ALIGHT
AND THE THEFT LIGHT WILL BLINK
RAPIDLY
LEAVE THE IGNITION ON.

NEXT GO TO EITHER
CLEAR PROGRAM PROX OR ADD PROX
Use this method to CLEAR & PROGRAM PROX

SWITCH THE IGNITION “ON” OR FORCE THE IGNITION ON PRIOR TO BEGINNING!

Select:
+MAZDA
+N. AMERICA
+BY VEHICLE
+MODEL (Select the model you are working on IE. CX-5)
+YEAR (Select the year you are working on IE 2014-2016)

OR

REQUIRED SMART CARD CALCULATOR OR WEB APP

USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

HAZARDS ON/ IGNITION OFF

PRESS ENTER KEY

ECU IDENTIFICATION

MAZDA CX5 / 3 / 6

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION

> SPECIAL FUNCTIONS

DIAGNOSTIC MENU

FORCE IGNITION ON

> CLEAR PROGRAM PROX

ADD PROX

CLEAR KEYS

KEYS PROGRAMMED: 02

CLEAR KEYS

WARNING

ALL KEYS WILL BE CLEARED

CONTINUE

DO YOU WANT TO BYPASS THE SECURITY OR TYPE IN THE CODE?

OF COURSE YOU DO!

PLEASE WAIT. SECURITY ACCESS IN PROGRESS

THIS MAY TAKE UP TO 3 MINUTES
GAINING ACCESS
OUTCODE: 17 68 2C
(EXAMPLE ONLY)

USE THE OUTCODE TO OBTAIN AND INCODE FROM MAZDA.
ONCE YOU HAVE OBTAINED THE INCODE PRESS ENTER TO CONTINUE

PRESS ENTER KEY

IN-CODE

---

A B C D E
F G H I J

To change to letters on the keypad use the left and right arrow keys.

STAY CONNECTED WHILE YOU OBTAIN THE INCODE
IF YOU DISCONNECT YOU WILL HAVE TO START OVER!

9 0 0 B
(EXAMPLE ONLY)

Once you have entered the INCODE
IN-CODE
Select the check Mark to continue or the X to abort.

EITHER WAY THE REST OF THE PROCEDURE IS SHOWN ON NEXT PAGE >>>>>
2014-2016
MAZDA PROX

Use this method to CLEAR & PROGRAM PROX - CONT’D

PROGRAM PROX

KEYS PROGRAMMED : 00
2 KEYS REQUIRED
PRESS ENTER KEY

PROGRAM PROX

PRESS THE START / STOP BUTTON TO SWITCH THE IGNITION OFF
PRESS ENTER KEY

PROGRAM PROX

DO NOT PRESS THE BRAKE PEDAL
PRESS THE START / STOP BUTTON TO TURN THE IGNITION ON
WITHIN 10 SECONDS HOLD THE 1ST PROX OVER THE START / STOP BUTTON WITH THE MAZDA LOGO FACING YOU

The reason to not depress the brake pedal is we don’t want the engine to start, until we get 2 keys programmed

NOW WE REPEAT FOR THE 2ND PROX

PROGRAM PROX

DO NOT PRESS THE BRAKE PEDAL
PRESS THE START / STOP BUTTON TO TURN THE IGNITION ON
WITHIN 10 SECONDS HOLD THE 1ST PROX OVER THE START / STOP BUTTON WITH THE MAZDA LOGO FACING YOU

CONTINUED ON NEXT PAGE >>>>>
2014-2016
MAZDA PROX

Use this method to CLEAR & PROGRAM PROX - CONT’D

PROGRAM PROX

KEYS PROGRAMMED: 2
PRESS THE START / STOP BUTTON TO SWITCH THE IGNITION OFF

THE PRO SCREEN SHOULD NOW DISPLAY
KEYS PROGRAMMED: 2
AND
ASK YOU TO TURN THE IGNITION OFF

PROGRAM PROX

TO COMPLETE THE PROCEDURE START THE ENGINE WHILE HOLDING EACH PROX UP TO THE START / STOP BUTTON

IT’S VERY IMPORTANT TO PERFORM THIS STEP!
UNTIL EACH PROX STARTS THE VEHICLE THEY WILL NOT OPERATE PROPERLY.

PRESS ENTER KEY

IF FOR ANY REASON 2 PROX DID NOT SUCCESSFULLY PROGRAM REPEAT THE PROCESS OF HOLDING UP THE PROX SHOWN ON THE PREVIOUS PAGE UNTIL BOTH PROX OPERATE AND START THE ENGINE.
The ADD PROX procedure is essentially the same as the CLEAR PROGRAM PROCEDURE
EXCEPT it does not ERASE any previously programmed PROX and only programs 1 NEW Prox.

IMPORTANT:
Before ADDING a PROX make sure you have at least one of the 2 already working PROX available.
This is because of the way MAZDA designed the system.
Before any PROX that has been added will work properly the engine MUST be started with TWO prox keys.

*If you ADD a Prox but DO NOT have the other PROX available the new prox will work and start the engine but only by holding it up to the start / stop button. The process can be completed later by starting the engine with the other prox but this is something to be aware of as your customer will likely NOT be happy until everything works as designed.*

---

**Security Professional Emergency Key Request**

Please enter the following required information:

- **VIN Number:**
- **Security Professional Name:**
- **Part Number:** 99
- **Serial Number:** 99
- **Error Control Number:** 99
- **Out Code:** ABCD12
- **LSID:**
- **LSID Passcode:**
- **Product:** Passive Anti-Theft System Code Request ($13.00)
- **Date and Time:** 09/30/2014 05:11 PM

---

Insert 99 into the fields as shown.

Insert the OUT-CODE displayed on the PRO without any spaces:

Example: ABCD12
MITSUBISHI SECTION

(T-CODE SOFTWARE PACKS:

Mitsubishi Basic USA (ADS-117)

Mitsubishi CAN & PROX (ADS-154)

Software names generally refer to the date of release on the T-CODE not the years of vehicles covered.

CAN stands for Controller Area Network, not Canada
Important Note about Mitsubishi Keys needed on CAN systems:

We ONLY recommend using brand new DEALER REMOTE HEAD KEYS on these vehicles. There are aftermarket blanks available but from what we have seen they very often will NOT program in successfully, even using dealer equipment.

ATTENTION MVP USERS: NO LOST TOKENS WILL BE REFUNDED FOR USING IMPROPER KEYS

Also beware of component mis-match on ALL Mitsubishi.
If components have been swapped or changed DEALER EQUIPMENT. is required to re-match components.

### Mitsubishi

#### 2000-2004 DIAMANTE

<table>
<thead>
<tr>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>STRATTEC ILCO</td>
<td>SELECT BY VEHICLE</td>
<td>No</td>
<td>No</td>
<td>Not Needed</td>
</tr>
</tbody>
</table>

| 5907793 | A-Black Or SD |

#### 2007-2012 ECLIPSE

<table>
<thead>
<tr>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEALER SYSTEM</td>
<td>SELECT BY VEHICLE</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>PRO Dongle</td>
</tr>
</tbody>
</table>

| Dealer Remote Key: MN141545 | G-Tan Or SD |

**Note:** 2007 model year is Split year. Either MIT3 ('08) or MIT6 ('06) keyway. Check the car!

#### 2006-2007 ECLIPSE

<table>
<thead>
<tr>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
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</thead>
<tbody>
<tr>
<td>DEALER SYSTEM</td>
<td>SELECT BY VEHICLE</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>PRO Dongle</td>
</tr>
</tbody>
</table>

| Dealer Remote Key: MN141381 | G-Tan Or SD |

**Note:** 2007 model year is Split year. Either MIT3 ('08) or MIT6 ('06) keyway. Check the car!

#### 2000-2005 ECLIPSE

<table>
<thead>
<tr>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
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</thead>
<tbody>
<tr>
<td>ILCO</td>
<td>SELECT BY VEHICLE</td>
<td>No</td>
<td>No</td>
<td>Not Needed</td>
</tr>
</tbody>
</table>

| MIT13-PT | A-Black Or SD |

#### 2007-2011 ENDEAVOR

<table>
<thead>
<tr>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
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<tbody>
<tr>
<td>DEALER SYSTEM</td>
<td>SELECT BY VEHICLE</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>PRO Dongle</td>
</tr>
</tbody>
</table>

| Dealer Remote Key: 6370A364 | G-Tan Or SD |

**Note:** 2007 model year is Split year. Either MIT3 ('08) or MIT6 ('06) keyway. Check the car!

#### 2006-2007 ENDEAVOR

<table>
<thead>
<tr>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEALER SYSTEM</td>
<td>SELECT BY VEHICLE</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

| Dealer Remote Key: MN141383 | G-Tan Or SD |

**Note:** Some 2006 models are not CAN and can be programmed like a 2005 model.
### 2004-2005 ENDEAVOR

<table>
<thead>
<tr>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
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</thead>
<tbody>
<tr>
<td>STRATTEC / SYSTEM</td>
<td>SMART Card</td>
<td>PIN Required</td>
<td>PIN Read</td>
</tr>
<tr>
<td>690564 (N Chip)</td>
<td>Select By Vehicle</td>
<td>No</td>
<td>Not Needed</td>
</tr>
<tr>
<td>690562 (A Chip)</td>
<td>Select By Vehicle</td>
<td>No</td>
<td>Not Needed</td>
</tr>
</tbody>
</table>

**Note:** Some 2004-2005 Endeavor models use the “N” transponder chip & some use the “A” chip.

### 2007-2012 GALANT

<table>
<thead>
<tr>
<th>Dealer Remote Key:</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
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<tbody>
<tr>
<td>MN141545</td>
<td>Select By Vehicle</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** 2007 model year is Split year. Either MIT3 ('08) or MIT6 ('06) keyway. Check the car!

### 2006-2007 GALANT

<table>
<thead>
<tr>
<th>Dealer Remote Key:</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
</tr>
</thead>
<tbody>
<tr>
<td>MN141381</td>
<td>Select By Vehicle</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** 2007 model year is Split year. Either MIT3 ('08) or MIT6 ('06) keyway. Check the car!

### 2004-2005 GALANT

<table>
<thead>
<tr>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
</tr>
</thead>
<tbody>
<tr>
<td>STRATTEC / SYSTEM</td>
<td>SMART Card</td>
<td>PIN Required</td>
<td>PIN Read</td>
</tr>
<tr>
<td>692562</td>
<td>Select By Vehicle</td>
<td>No</td>
<td>Not Needed</td>
</tr>
<tr>
<td>692020</td>
<td>Select By Vehicle</td>
<td>No</td>
<td>Not Needed</td>
</tr>
</tbody>
</table>

### 2000-2003 GALANT

<table>
<thead>
<tr>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
</tr>
</thead>
<tbody>
<tr>
<td>ILCO</td>
<td>SMART Card</td>
<td>PIN Required</td>
<td>PIN Read</td>
</tr>
<tr>
<td>MIT13-PT</td>
<td>Select By Vehicle</td>
<td>No</td>
<td>Not Needed</td>
</tr>
</tbody>
</table>

### 2008-2015 LANCER with PROXIMITY TWIST IGNITION

<table>
<thead>
<tr>
<th>Dealer Prox Remote: 8637A228</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer Key Blade: 6370A770</td>
<td>Select By Vehicle</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td></td>
</tr>
</tbody>
</table>

### 2008-2015 LANCER with KEY IGNITION

<table>
<thead>
<tr>
<th>Dealer Remote Key: 6370A477</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
</tr>
</thead>
<tbody>
<tr>
<td>USE OEM KEYS ONLY!</td>
<td>Select By Vehicle</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td></td>
</tr>
</tbody>
</table>
### MVP & TCODE PRO - MITSUBISHI

**2008-2012 LANCER EVO with Proximity Twist Ignition**

<table>
<thead>
<tr>
<th>DEALER</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer Prox Remote: 8637A228&lt;br&gt;Dealer Key Blade: 6370A770</td>
<td>SELECT BY VEHICLE</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>G-Tan Or SD</td>
<td></td>
</tr>
</tbody>
</table>

**2003-2006 LANCER EVO**

<table>
<thead>
<tr>
<th>DEALER</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>ILCO</td>
<td>SELECT BY VEHICLE</td>
<td>No</td>
<td>No</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

**2014-2017 MIRAGE with Key Ignition**

<table>
<thead>
<tr>
<th>DEALER</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer Remote Key: 6370B904&lt;br&gt;USE OEM KEYS ONLY!</td>
<td>SELECT BY VEHICLE</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>G-Tan Or SD</td>
<td></td>
</tr>
</tbody>
</table>

Use Lancer CAN for RKE programming

**2001-2006 MONTERO**

<table>
<thead>
<tr>
<th>DEALER</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>ILCO</td>
<td>SELECT BY VEHICLE</td>
<td>No</td>
<td>No</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

**2000-2004 MONTERO SPORT**

<table>
<thead>
<tr>
<th>DEALER</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>ILCO</td>
<td>SELECT BY VEHICLE</td>
<td>No</td>
<td>No</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

**2008-2014 OUTLANDER with Proximity Twist Ignition**

<table>
<thead>
<tr>
<th>DEALER</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer Prox Remote: 8637A316&lt;br&gt;Dealer Key Blade: 6370A770</td>
<td>SELECT BY VEHICLE</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>G-Tan Or SD</td>
<td></td>
</tr>
</tbody>
</table>

**2007 OUTLANDER with Proximity Twist Ignition**

<table>
<thead>
<tr>
<th>DEALER</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer Prox Remote: 8637A025&lt;br&gt;Dealer Key Blade: 6370A362</td>
<td>SELECT BY VEHICLE</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>G-Tan Or SD</td>
<td></td>
</tr>
</tbody>
</table>

**2007-2012 OUTLANDER with Key Ignition**

<table>
<thead>
<tr>
<th>DEALER</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remote Key: 6370A148&lt;br&gt;Non Remote Key: MN141307</td>
<td>OUTLANDER CAN</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>G-Tan Or SD</td>
<td></td>
</tr>
</tbody>
</table>

---

Advanced Diagnostics USA Manual for MVP & T-CODE - © 2017
## 2004-2006 OUTLANDER

<table>
<thead>
<tr>
<th>Dealer /</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer Key: MN141307</td>
<td>SELECT BY VEHICLE</td>
<td>No</td>
<td>No</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

**Note:** This software is currently under development. Currently a NEW prox can only be programmed if you already have a working prox. No programming from an ALL prox keys lost situation. However, this is better than nothing & good for dupes.

## 2011-2014 OUTLANDER SPORT

<table>
<thead>
<tr>
<th>Dealer /</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer Prox Remote</td>
<td>SELECT BY VEHICLE</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>PRO Dongle</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** This is a DODGE made vehicle. See Dodge Dakota.

## 2008-2009 RAIDER

<table>
<thead>
<tr>
<th>Dealer /</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y164-PT</td>
<td>CAN 4 Optional Non-Transponder instructions</td>
<td>Yes</td>
<td>Yes</td>
<td>Possible w/ ADS-157 on T-Code or 1 Token on MVP</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

**Note:** This is a DODGE made vehicle. See Dodge Dakota.

## 2006-2007 RAIDER

<table>
<thead>
<tr>
<th>Dealer /</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y164-PT</td>
<td>CAN 1 Optional Non-Transponder instructions</td>
<td>Yes</td>
<td>Yes</td>
<td>Possible w/ ADS-157 on T-Code or 1 Token on MVP</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

**Note:** This is a DODGE made vehicle. See Dodge Dakota.

---

**Important Note about Mitsubishi Keys needed on CAN systems:**

- We ONLY recommend using brand new DEALER REMOTE HEAD KEYS on these vehicles.
- There are aftermarket blanks available but from what we have seen they very often will NOT program in successfully, even using dealer equipment.
- ATTENTION MVP USERS: NO LOST TOKENS WILL BE REFUNDED FOR USING IMPROPER KEYS

Also beware of component mis-match on ALL Mitsubishi.
- If components have been swapped or changed DEALER EQUIPMENT, is required to re-match components.
### SPECIAL FUNCTIONS

<table>
<thead>
<tr>
<th>PROGRAM KEYS-</th>
<th>Erases all currently programmed keys and programs up to 8 keys total in one sequence.</th>
</tr>
</thead>
<tbody>
<tr>
<td>KEYS PROGRAMMED-</td>
<td>Displays the number of keys currently programmed in memory.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>T-CODE SOFTWARE #</th>
<th>Cable / Dongle:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADS-117</td>
<td>ADC-250 / ADC-251</td>
</tr>
<tr>
<td></td>
<td>SEE GUIDE FOR DONGLE SELECTION</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MAX # KEYS:</th>
<th>SMART DONGLE?</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>YES</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>KEYS:</th>
<th>SECURITY:</th>
</tr>
</thead>
<tbody>
<tr>
<td>NON CAN SYSTEM KEYS ARE RE-USABLE</td>
<td>PIN AUTOMATICALLY SENT BY THE SOFTWARE- The MVP or T-CODE will automatically input the correct Pin code into the system. If it is incorrect, “INCORRECT ACCESS CODE” will be displayed. This will occur if you selected the wrong vehicle menu choice.</td>
</tr>
<tr>
<td>LATER CAN SYSTEMS CHIPS LOCK TO VEHICLE AND CANNOT BE USED AGAIN ON ANOTHER VEHICLE</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>COMPONENTS MATCHED?</th>
<th>MATCHING CAPABILITY?</th>
</tr>
</thead>
<tbody>
<tr>
<td>YES</td>
<td>NONE</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SECURITY LIGHT / THEFT INDICATOR:</th>
</tr>
</thead>
<tbody>
<tr>
<td>When the vehicle is started the theft light / indicator should be out. (Not blinking etc)</td>
</tr>
</tbody>
</table>

### MORE INFO:

- **Watch Programming Video-**
  - 2005 Mitsubishi Galant key programming
- **Watch Programming Video-**
  - 2006 ECLIPSE
Select:
+MITSUBISHI
+BY VEHICLE
+IMMOBILIZER

Select your model and year of the menu.
For Lancer EVO use “Lancer EVO” not “EVO”.

NOTE : All current keys will be erased.
Re-program any you wish to continue to work along with any new ones.

INSERT NEXT KEY
SWITCH IGNITION ON AND THEN PRESS ENTER WITHIN 5 SECONDS

KEYS PROGRAMMED: 2
BACK TO EXIT
ENTER TO PROGRAM NEXT KEY

The MVP or T-CODE will automatically input the correct Pin code into the system. If it is incorrect, “INCORRECT ACCESS CODE” will be displayed.

KEYS PROGRAMMED: 1
BACK TO EXIT
ENTER TO PROGRAM NEXT KEY
MITSUBISHI NON-CAN & CAN KEYED IGNITION SYSTEMS

Use this method to PROGRAM KEYS- CONT’D

PROGRAM KEYS
SUCCESS
PRESS ENTER KEY

PROGRAM KEYS
PROGRAM NEXT KEY
YES=ENTER NO=BACK

PROGRAM KEYS
WITHIN 30 SECS TURN IGNITION ON WITH NEXT KEY AND THEN PRESS ENTER
PRESS ENTER KEY

PROGRAM KEYS
SUCCESS
PRESS ENTER KEY

Your keys should now be programmed. You only need 1 key to program and start the vehicle.
REMOTE PROGRAMMING
“PIN JUMP PROCEDURE”

Except on Lancer, Mirage and Outlander the Remote Head Programming is a separate On-Board Procedure that does not require the PRO

(Lancer, Mirage, Outlander, see instructions on next page.)

Carefully jump Pins 1 & 4 on the OBD2 port using a fused lead or use our handy ADC-194 adaptor

---

ADC194 Mitsubishi Remote Programming Adapter

Plug this adapter into the vehicles OBD port and follow your Mitsubishi on-board remote programming instructions. This device will jump the correct pins needed to program.

---

Once you have connected the Adaptor (or jumped the pins):

**Step 1:**
Insert the key into the ignition lock and leave it in the “Off” position.

**Step 2:**
Once you have the Jumper in place you will need to press the Emergency Flashers, also known as Hazard Lights, 6 (six) times within 10 seconds of setting the Jumper.
You should hear and see the door locks cycle.

**Step 3:**
Press the Lock button on the Remote Head 3 (three) times, within 10 seconds of watching the door locks cycle.
You should hear and see the door locks cycle again.
Program any other remotes now or they will not work any longer.
Remove the key and the Jumper.
How to program the buttons on Remote Head Keys:

1. Connect the PRO to the car’s OBD2 port using the TAN G dongle and ADC-250 cable.

2. Select +Mitsubishi/+USA/+LANCER CAN

3. Perform SMC or Web Security as necessary. Switch the IGNITION ON when instructed by the PRO.

4. ECU IDENTIFICATION SCREEN with some part numbers should appear. PRESS ENTER.

5. Go to the SPECIAL FUNCTION MENU.

6. SELECT +PROGRAM REMOTE

7. A WARNING “ALL KEYS WILL BE CLEARED DO YOU WISH TO CONTINUE.” SELECT the CHECK MARK to continue.

8. RKE PROGRAMMING SCREEN should appear saying to perform manual procedure and the # of remotes currently programmed. LEAVE THE KEY IN THE ON POSITION, set the PRO aside so you can perform the necessary steps with the remote but make sure you can see the PRO screen.

9. PRESS AND HOLD the LOCK & UNLOCK BUTTON on the RKE for 2 seconds (or 4 flashes of the LED on the RKE)

10. Release both buttons and wait 1 second.

11 PRESS AND HOLD the UNLOCK button for 2 seconds (or 2 flashes of the RKE LED)

12. If the procedure has worked the LED on the RKE will flash once and the PRO screen should show the number of remotes programmed go up..

13. Repeat steps 9-12 until the max number of up to 4 RKE’s are programmed.

NOTES:
A. ALL RKE MUST BE PROGRAMMED IN THE SAME SEQUENCE.
b. ALL PREVIOUSLY PROGRAMMED RKE’s are erased and only those used in the procedure are programmed.
C. It may take a few tries. vary the timing a bit on holding the buttons until you are successful.
STEP 1 Use this method to Program the Transponder inside the PROX

Select the CAN model you are working on. You may have to scroll down the screen to find the model.

The above numbers are examples only.
The transponder chip in the Prox should now be programmed. You only need 1 Prox to program and start the vehicle. You can program additional Prox, if necessary.

Now continue on to program the wireless part of the Prox - which is also known as FAST Key. Mitsubishi calls this Prox system F.A.S.T. which stands for:
- Freehand
- Advanced
- Security
- Transmitter

Insert the factory Emergency Key into the ignition lock cylinder and turn to the “Run” position.

Next place the Prox Remote onto the Emergency key sticking out of the ignition.

The chime will be very hard to hear and sounds about 3 seconds after pressing the remote twice. Program any other remotes you have now - before pressing the Back button to exit.

The “Twist” knob should now allow you to push in and turn it ON to start the car without any key in the ignition.
SAAB SECTION

MVP U.S. Patent #7315238

T-CODE SOFTWARE PACKS:

Saab USA (ADS-144)
### 1998-2003 9-3 & 9-5

<table>
<thead>
<tr>
<th>Dealership</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer Key Required</td>
<td><strong>SELECT</strong>&lt;br&gt;<strong>BY</strong>&lt;br&gt;<strong>VEHICLE</strong></td>
<td>Yes</td>
<td>No</td>
<td>Not Needed</td>
<td>A-Black&lt;br&gt;Or SD</td>
</tr>
</tbody>
</table>

**Note:** If all keys are lost, Immobilizer Box (TWICE module) must be replaced or reflashed. Also, requires a **PIN CODE** that can be obtained from Advanced-Diagnostics.com (user login required)

### 2003-2010 9-5 Sport w/ Slot Key (Stubby Key)

<table>
<thead>
<tr>
<th>Dealership</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer Key Required</td>
<td>Sport&lt;br&gt;(CAN)</td>
<td>Yes</td>
<td>No</td>
<td>Not Needed</td>
<td>A-Black&lt;br&gt;Or SD</td>
</tr>
</tbody>
</table>

**Note:** If all keys are lost, Immobilizer Box (CIM module) must be replaced or reflashed. Requires a **PIN CODE** that can be obtained from Advanced-Diagnostics.com (user login required)

**Keys:** Must be brand new never used before (Virgin)!

See: Advanced Diagnostics.com downloads for complete instructions. (user login required)

### 2010-2011 9-4X

<table>
<thead>
<tr>
<th>Dealership</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer Prox Remote Required</td>
<td><strong>SELECT</strong>&lt;br&gt;<strong>CADILLAC</strong>&lt;br&gt;<strong>SRX</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>Possible</td>
<td><strong>K</strong>-Brown&lt;br&gt;Or SD</td>
</tr>
</tbody>
</table>

**Note:** This vehicle is made by General Motors

### 2005-2009 9-7X

<table>
<thead>
<tr>
<th>ILCO</th>
<th>System&lt;br&gt;<strong>SELECT</strong>&lt;br&gt;<strong>GM</strong>&lt;br&gt;<strong>USA</strong>&lt;br&gt;<strong>IMMO Type 2</strong></th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PT04-PT</strong></td>
<td>No</td>
<td>No</td>
<td>Not Needed</td>
<td><strong>C</strong>-Green&lt;br&gt;Or SD</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** This vehicle is made by General Motors
### SPECIAL FUNCTIONS

**SPARE PART PROGRAMMING**- This function is used when the TWICE has been replaced.

**PROGRAM IMMOBILIZER**- This function is used when the TWICE has been replaced.

**KEY PROGRAMMING**- This function is used to Program Keys (Must have a working key or a chip that is matched to the TWICE Module).

<table>
<thead>
<tr>
<th>T-CODE SOFTWARE #</th>
<th>CABLE / DONGLE:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ADC-250 / ADC- 251</td>
</tr>
<tr>
<td></td>
<td>A (BLACK) DONGLE</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MAX # KEYS:</th>
<th>SMART DONGLE?</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>YES</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PROX KEYS:</th>
<th>SECURITY:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Re-usable. (SEE NOTE)</td>
<td>Saab Programming requires a VIN specific PIN CODE that can be obtained at advanced-diagnostics.com (A registered users login is required)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>COMPONENTS MATCHED?</th>
<th>MATCHING CAPABILITY?</th>
</tr>
</thead>
<tbody>
<tr>
<td>YES</td>
<td>YES</td>
</tr>
</tbody>
</table>

### MORE INFO:

When the TWICE module is replaced, the procedure of functions that are required needs to be performed in the following order:

1. **SPARE PART PROGRAMMING**
   (which you would have just completed in this procedure)

2. **PROGRAM IMMOBILISER**

3. **KEY PROGRAMMING**
   - Finish Line -

### KEYS PROGRAMMED

The current key number can be displayed on the SID (SAAB information display) if the boot release button is pressed with the ignition On.

**‘TWICE’** stands for Theft Warning Integrated Central Electronics. The ‘TWICE’ control module is located under the left-hand front seat, screwed to the floor.

You need to have a working key to ADD more keys using the PRO. If no keys are available you must either REPLACE or Re-FLASH the TWICE module.
**TWICE MODULE IMMOBILIZER**

*Use this method to ADD KEYS & REMOTES*

This method is for ADDING a key when you have an existing key that is already programmed and in working order.

**ECU IDENTIFICATION**

- **SAAB REF:** 12759474
- **SYS:** TWICE
- **DIAG:** 1D:010

**PROGRAMMING KEYS**

1. WATCH THE ‘FASTEN SEAT BELT’ LAMP
2. PRESS UNLOCK MORE THAN 8 TIMES.
3. REPLACE AND REPEAT WITH NEXT KEY.

**VEHICLE SELECTION**

- **ROVER**
- **SAAB**
- **SUBARU**
- **SUZUKI**
- **TOYOTA**
- **VAG GROUP**

**DIAGNOSTIC MENU**

- **FAULT CODES**
- **LIVE DATA**
- **ACTUATORS**
- **> SPECIAL FUNCTIONS**

**DIAGNOSTIC MENU**

> **KEY PROGRAMMING**

- **SPARE PART PROG**
- **PROGRAM IMMOBILISER**

**PROCEDURE COMPLETE**

Clear all faults in the fault memory of the ‘TWICE’ after programming.

- SWITCH IGNITION ON
- PRESS ENTER KEY

- PLEASE WAIT TRYING TO COMMUNICATE
- PRESS ENTER KEY

- After communication, the ECU identification will be displayed. An example is shown.

- Press the remote unlock button more than 8 times until the FASTEN SEAT BELT LAMP (see picture below) flashes briefly. Repeat for all remotes.

- **Twice Module IMMOBILIZER**

- Use the Smart Dongle for easy access using built-in Smart Card Calculator

- Requires Smart Card Calculator or Web App
VEHICLE SELECTION

ROVER
> SAAB
SUBARU
SUZUKI
TOYOTA
VAG GROUP

SAAB REF: 12759474
SYS: TWICE
DIAG: 1D:010

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
> FAULT CODES
LIVE DATA
ACTUATORS
SPECIAL FUNCTIONS

SWITCH IGNITION ON

PRESS ENTER KEY

PLEASE WAIT
TRYING TO COMMUNICATE

DISPLAY FAULT CODES

NO FAULTS FOUND

PRESS ENTER KEY

DISPLAY FAULT CODES

FAULT: B2356R

PRESS ENTER KEY

DIAGNOSTIC MENU

> READ FAULT CODES
CLEAR FAULT CODES

CLEAR FAULT CODES

PROCEDURE COMPLETE

PRESS ENTER KEY

Use this method to READ & CLEAR FAULT CODES

9-3
9-5

DIAGNOSTIC MENU

> READ FAULT CODES
CLEAR FAULT CODES

DISPLAY FAULT CODES

FAULT: B2356R

PRESS ENTER KEY

DIAGNOSTIC MENU

READ FAULT CODES
> CLEAR FAULT CODES

CLEAR FAULT CODES

PROCEDURE COMPLETE

PRESS ENTER KEY

Advanced Diagnostics USA Manual for MVP & T-CODE - © 2017
**TWICE MODULE IMMOBILIZER**

**Use this method for LIVE DATA and ACTUATORS**

**VEHICLE SELECTION**

- ROVER
  - > SAAB
- SUBARU
- SUZUKI
- TOYOTA
- VAG GROUP

**VEHICLE SELECTION**

- 9-3
- 9-5

**SWITCH IGNITION ON**

**PRESS ENTER KEY**

**PLEASE WAIT TRYING TO COMMUNICATE**

**ECU IDENTIFICATION**

- SAAB REF: 12759474
- SYS: TWICE
- DIAG: 1D:010

**DIAGNOSTIC MENU**

- FAULT CODES
  - > LIVE DATA
  - ACTUATORS
  - SPECIAL FUNCTIONS

**DIAGNOSTIC MENU**

- FAULT CODES
  - LIVE DATA
  - > ACTUATORS
  - SPECIAL FUNCTIONS

**LIVE DATA**

- VEH SPEED: 0.0M
- EXT TEMP: 71.0F
- IGN 15: ON
- DOOR DRIVER: OPEN
- PASSENGER DR: CLOSED
- RR DOOR: CLOSED

Select LIVE DATA to display useful information about the state of the vehicle.

To see more items, use the UP and DOWN buttons.

**ACTUATORS**

- LOCKING OF ALL DOORS
- ALL DOORS THEFT
- DRIVER DOOR UNLOCK
- PASS DOOR UNLOCK
- REAR DOORS UNLOCK
- TRUNK OPENING

Select ACTUATORS to operate specific components on the vehicle.
Use this selection to first program the new ‘TWICE’ module into the vehicle.

**VEHICLE SELECTION**

- ROVER
  - > SAAB
- SUBARU
- SUZUKI
- TOYOTA
- VAG GROUP

**VEHICLE SELECTION**

- 9-3
- 9-5

**ALARM OPTIONS**

- WITHOUT ALARM
- GLASS BREAK SENSOR
- GLASS & TILT SENSOR

**MARKET OPTIONS**

- EU
- LA
- > US / CA
- ME / AU / PA
- JP

**WHEEL POSITION**

- LEFT HAND DRIVE
- RIGHT HAND DRIVE

**MARKET OPTIONS:**

- Select US

**WHEEL POSITION:**

- Select the WHEEL POSITION for LHD or RHD.

**ALARM OPTIONS:**

- Select the required ALARM type, if you not sure check the specification of the vehicle with the owner.

**MARKET OPTIONS:**

- Use this method for SPARE PART PROGRAMMING

**TWICE MODULE IMMOBILIZER**

**ECU IDENTIFICATION**

SAAB REF: 12759474
SYS: TWICE
DIAG: 1D:010

**PRESS ENTER KEY**

After communication, the ECU identification will be displayed.
An example is shown.

**DIAGNOSTIC MENU**

- KEY PROGRAMMING
  - > SPARE PART PROG
  - PROGRAM IMMOBILISER

**MARKET OPTIONS:**

- Use the smart dongle for easy access using built in smart card calculator

**REQUIRES SMART CARD CALCULATOR OR WEB APP**

**USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR**

**PRESS ENTER KEY**

**PLEASE WAIT TRYING TO COMMUNICATE**

continued on next page....
TWICE MODULE
IMMOBILIZER

Use this method for SPARE PART PROGRAMMING- Continued

REAR HEATED SEAT
WITHOUT
WITH

BODY STYLE:
Select whether the vehicle is a 3 Door, 5 Door, or Convertible.

PROCEDURE COMPLETE
PRESS ENTER KEY

ENGINE TYPE
PETROL
DIESEL

When the TWICE module is replaced, the procedure of functions that are required needs to be performed in the following order:

1. SPARE PART PROGRAMMING (which you would have just completed in this procedure)
2. PROGRAM IMMOBILISER
3. KEY PROGRAMMING

- Finish Line -

POWER SEAT
WITHOUT
WITH

ENGINE TYPE:
Select what ENGINE TYPE the vehicle has.
PETROL = GASOLINE

POWER SEAT:
Select whether the vehicle has a POWER SEAT.

ARE YOU SURE
YES=ENTER
NO=BACK

BODY STYLE
3d
5d
CABRIOLET

Once all the options have been chosen, select YES or NO
PLEASE MAKE SURE YOU HAVE SELECTED THE CORRECT OPTIONS, OTHERWISE THE VEHICLE MAY NOT FUNCTION CORRECTLY.

Erase all DTCs in the fault memory of the ‘TWICE’ after programming.
Use this method to PROGRAM IMMOBILIZER

**VEHICLE SELECTION**

ROVER
> SAAB
SUBARU
SUZUKI
TOYOTA
VAG GROUP

**DIAGNOSTIC MENU**

KEY PROGRAMMING
SPARE PART PROG
> PROGRAM IMMOBILISER

**ENGINE TYPE**

TRIONIC 7
TRIONIC 5
MO TRIONIC 2.10
EDC 15 / PSC 16

**ECU IDENTIFICATION**

SAAB REF: 12759474
SYS: TWICE
DIAG: 1D:010

PRESS ENTER KEY

ARE YOU SURE
YES=ENTER     NO=BACK

Confirm procedure by selecting YES or NO.

PRESS ENTER KEY

PROCEDURE COMPLETE

If successful, PROCEDURE COMPLETE will be displayed.

Erase all DTCs in the fault memory of the 'TWICE' after programming.

**PLEASE WAIT**

TRYING TO COMMUNICATE

After communication, the ECU identification will be displayed. An example is shown.

Select the required Engine system, and press the ENTER button.

SWITCH IGNITION ON

PRESS ENTER KEY
SCION SECTION

T-CODE SOFTWARE PACKS:

Toyota & Lexus Basic (ADS-125)
Toyota & Lexus 2007 (ADS-150)
Toyota / Lexus 2010 (ADS-174)
Toyota 2013 (ADS-199)
Toyota & Lexus 2015 (ADS-227)

(Software names generally refer to the date of release on the T-CODE not the years of vehicles covered.)
### 2016 Ia With Push to Start Proximity System

<table>
<thead>
<tr>
<th>Dealer / System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fob KDY3-67-5DY</td>
<td>Select MAZDA 6 2014&gt;</td>
<td>Yes</td>
<td>Dealer INCODERequired*</td>
</tr>
<tr>
<td>E-Key KDY3-76-201</td>
<td></td>
<td></td>
<td>+Free InCode Bypass now available for SD</td>
</tr>
</tbody>
</table>

**Note:** Transponder system may be optional. Use TOY / REMOTES / TYPE 4 to program RKE.

**16 Minute Bypass:** Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)

### 2013-2016 Fr-S With Proximity Start Button Ignition

<table>
<thead>
<tr>
<th>Dealer</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer Prox Required</td>
<td>Select By Vehicle</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
<td></td>
</tr>
</tbody>
</table>

### 2013-2016 Fr-S With Keyed Ignition (Bladed)

<table>
<thead>
<tr>
<th>Dealer</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer G Key</td>
<td>Select By Vehicle</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Transponder system may be optional. Use TOY / REMOTES / TYPE 4 to program RKE.

**16 Minute Bypass:** Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)

### 2012-2013 Iq (Canada)

<table>
<thead>
<tr>
<th>Dealer</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer G Key: 89785-08040 or DEALER RKE KEY</td>
<td>TOYOTA IMMO 5</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Transponder system may be optional. Use TOY / REMOTES / TYPE 4 to program RKE.

**16 Minute Bypass:** Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)
### 2008-2010 TC

<table>
<thead>
<tr>
<th>ILCO SYSTEM</th>
<th>SMART Card PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOY44D-PT (4D Chip)</td>
<td>TOYOTA IMMO Type 4</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

**Note:** For Type 4 lost key situations a "quick reset" feature is available, see last page of this section for details.

### 2005-2007 TC

<table>
<thead>
<tr>
<th>ILCO SYSTEM</th>
<th>SMART Card PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOY44D-PT (4D Chip)</td>
<td>TOYOTA IMMO Type 2</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

**Note:** For Type 4 lost key situations a "quick reset" feature is available, see last page of this section for details.

### 2012-2014 XB (Canada)

<table>
<thead>
<tr>
<th>DEALER</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer G Key: 89785-08040 or DEALER RKE KEY</td>
<td>TOYOTA IMMO 5</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
<td></td>
</tr>
</tbody>
</table>

16 MINUTE BYPASS: Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)

Use TOY / REMOTES / TYPE 4 to program RKE. / Transponder system may be optional.

### 2012-2013 XD (Canada)

<table>
<thead>
<tr>
<th>DEALER</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer G Key: 89785-08040 or DEALER RKE KEY</td>
<td>TOYOTA IMMO 5</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
<td></td>
</tr>
</tbody>
</table>

16 MINUTE BYPASS: Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)

Use TOY / REMOTES / TYPE 4 to program RKE.
FR-S
PROX SYSTEM

SPECIAL FUNCTIONS

RESET IMMOBILIZER- This function erases all keys. This function is used when the customer has lost all their keys.

PROGRAM KEYS- This function allows you to add a PROX to the car’s immobilizer system. Must have an existing programmed PROX key to start the procedure with.

KEYS PROGRAMMED- Displays the number of currently registered proximity keys.

T-CODE SOFTWARE # | CABLE / DONGLE:
---------------------|------------------------
ADS-227              | ADC-250 / ADC-251
A (BLACK) DONGLE     |

MAX # PROX KEYS:
4

SMART DONGLE?
YES

PROX KEYS:
Re-usable. (SEE NOTE)

SECURITY:
NO PIN CODE

COMPONENTS MATCHED?
YES

MATCHING CAPABILITY?
NONE

SECURITY LIGHT / THEFT INDICATOR:
Light should be out anytime a programmed PROX is in the vehicle.

MORE INFO:

DRIVERS DOOR- Must be kept open during entire RESET procedure.

VEHICLE VOLTAGE- It’s critical for success that the voltage be 12 volts or above. Use jumper cables or a battery pack whenever possible to boost voltage even if you think it’s not needed. This will help avoid failure, especially during a 16 minute RESET.

PROX BATTERY- It’s necessary to have a good battery in ALL the PROX being used for these procedures. Replace it with a fresh one if there is any doubt.

PROX MUST BE BRAND NEW- Only brand new virgin Prox can be added. If the PROX is one that is compatible but previously used on another car it can (in most but not all cases) be added successfully. However, an IMMOBILIZER RESET must be performed first and the used PROX introduced as the 1st prox programmed.

HAVE ONLY 1 PROX AT TIME IN THE CAR WHEN PROGRAMMING- they can interfere with one another so keep them separate and only have one new one in the car during programming.

PROX CIRCUIT BOARDS MUST MATCH - Some prox have the same part # and or FCC ID on the case but contain different circuit boards. Open them up and compare when possible.
FR-S PROX SYSTEM

ADD ADDITIONAL PROX - (PROGRAM KEY)
MUST HAVE AT LEAST 1 PROGRAMMED PROX - OTHERWISE MUST RESET

Select:
+SCION
+BY VEHICLE
+FRS
+PROXIMITY

PROGRAM KEYS
THIS FUNCTION IS USED TO ADD KEYS MAXIMUM OF 6 KEYS
THIS STEP MUST BE DONE IN THE TIME LIMIT. IT WILL FAIL IF THE WORK DOES NOT FINISH IN TIME LIMIT.
PRESS ENTER KEY

PROGRAM KEYS
TOUCH START STOP BUTTON WITH EMBLEM SIDE OF NEW KEY TO BE REGISTERED WITHIN 30 SECONDS

PROGRAM KEYS
WHEN INSTRUCTED TO PROCEED TOUCH START BUTTON WITH EMBLEM SIDE REGISTERED KEY THIS PROCESS MUST BE DONE WITHIN 30 SECONDS
PRESS ENTER KEY

PROGRAM KEYS
TOUCH START STOP BUTTON WITH EMBLEM SIDE OF REGISTERED KEY WITHIN 30 SECONDS

ONCE THE KEY REGISTERS THE SCREEN SHOULD DISPLAY: “PROCEDURE COMPLETE”.

PROGRAM KEYS
PROCEDURE COMPLETE
PRESS ENTER KEY

PROGRAM KEYS
WHEN INSTRUCTED TO PROCEED TOUCH START BUTTON WITH EMBLEM SIDE REGISTERED KEY THIS PROCESS MUST BE DONE WITHIN 30 SECONDS
PRESS ENTER KEY

A “BEEP” SHOULD BE HEARD FROM THE CAR AND THE SCREEN SHOULD CHANGE

REPEAT THIS PROCEDURE IF YOU HAVE MORE PROX KEYS TO ADD
## FR-S
### KEYED IMMOBILIZER

<table>
<thead>
<tr>
<th>SPECIAL FUNCTIONS</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>KEYS PROGRAMMED</strong>- This function reads the number of KEYS &amp; REMOTES programmed.</td>
<td></td>
</tr>
<tr>
<td><strong>RESET IMMOBILIZER</strong>- This function allows you to erase all keys and to place the immobilizer in “Learn Mode”. This function is used when the customer has lost all their keys.</td>
<td></td>
</tr>
<tr>
<td><strong>PROGRAM KEYS</strong>- This function is used to ADD Master or Valet Keys. You must have 1 already programmed Master Key to perform this procedure.</td>
<td></td>
</tr>
<tr>
<td><strong>ERASE REMOTES</strong>- This function ERASES all current remotes and programs in just the remote used for the procedure.</td>
<td></td>
</tr>
<tr>
<td><strong>PROGRAM REMOTES</strong>- This function ADDS Remotes.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>T-CODE SOFTWARE #</th>
<th>CABLE / DONGLE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADS-227</td>
<td>ADC-250 / ADC-251 A (BLACK) DONGLE</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MAX # OF KEYS:</th>
<th>SMART DONGLE?</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-MASTER 2 VALET 6 TOTAL MAX</td>
<td>YES</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>KEYS:</th>
<th>SECURITY:</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM KEYS &amp; REMOTES ARE RE-USABLE</td>
<td>NO PIN CODE</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>COMPONENTS MATCHED?</th>
<th>MATCHING CAPABILITY?</th>
</tr>
</thead>
<tbody>
<tr>
<td>YES</td>
<td>NOT AVAILABLE</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SECURITY LIGHT / THEFT INDICATOR:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light should be out at end of procedure. If theft light blinks or comes on steady the key/keys have not been accepted.</td>
</tr>
</tbody>
</table>

### MORE INFO:

OEM Scion Keys have a “G” stamped on the blade. The chip is different than a Toyota “G” Key.
FR-S
KEYED IMMOBILIZER

RESET Immobilizer
(Use this method if you have no Master Keys.)

ONLY AN ORIGINAL OEM SCION KEY CAN BE USED!
A VALET KEY WILL NOT WORK! NO AFTERMARKET KEYS WILL WORK (At time of printing).

Select:
+SCION
+BY VEHICLE
+FRS
+BLADED

WARNING:
OPEN THE DRIVERS DOOR
&
MAKE SURE IT STAYS OPEN
UNTIL RESET IS COMPLETED!

RETURN TO DIAGNOSTIC MENU
SWITCH IGNITION ON
PRESS ENTER KEY

ECU IDENTIFICATION
SCION IMMOBILISER
PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
> SPECIAL FUNCTIONS
PRESS ENTER KEY

DIAGNOSTIC MENU
KEYS PROGRAMMED
> RESET IMMOBILISER
CLEAR KEYS
PROGRAM KEYS
ERASE REMOTES
PROGRAM REMOTES
PRESS ENTER KEY

WARNING:
OPEN THE DRIVERS DOOR
&
MAKE SURE IT STAYS OPEN
UNTIL RESET IS COMPLETED!

RESET IMMobiliser
THIS FUNCTION IS USED TO ERASE TO ERASE ALL THE KEYS
SWITCH IGNITION ON

X

RESET IMMobiliser
THIS PROCESS WILL TAKE APROXIMATLY 16 MINUTES
PRESS ENTER KEY

RESET IMMobiliser
PLEASE WAIT
16 MINUTES REMAINING
3 KEYS PROGRAMMED
PRESS ENTER KEY

RETURN TO DIAGNOSTIC MENU
PROCEDURE COMPLETE
PRESS ENTER KEY

CHECK “KEYS PROGRAMMED”
CONTINUE ON NEXT PAGE<<<
RESET Immobilizer - CONTINUED
(Use this method if you have no Master Keys.)

**KEYS PROGRAMMED**
- KEYS PROGRAMMED: 0
- REMOTES PROGRAMMED: 2

**PROGRAM KEYS**
- THE MAXIMUM NUMBER OF KEYS WHICH CAN BE PROGRAMMED IS 6

**DIAGNOSTIC MENU**
- KEYS PROGRAMMED
- RESET IMMOBILISER
- CLEAR KEYS
- > PROGRAM KEYS
- ERASE REMOTES
- PROGRAM REMOTES

**PROGRAM KEYS**
- THIS FUNCTION IS USED TO ADD KEYS
- THIS STEP MUST BE DONE IN THE TIME LIMIT. IT WILL FAIL IF THE WORK DOES NOT FINISH IN TIME LIMIT.

**DIAGNOSTIC MENU**
- PROCEDURE COMPLETE

**PROGRAM KEYS**
- INSERT WORKING KEY
- SWITCH IGNITION ON

**KEYS PROGRAMMED**
- KEYS PROGRAMMED: 0
- REMOTES PROGRAMMED: 2

**PROGRAM KEYS**
- REMOVE THE CURRENT KEY
- SWITCH IGNITION ON WITH EACH KEY TO BE PROGRAMMED
- INSERT ALL KEYS WITHIN THE 60 SECONDS

**PROGRAM KEYS**
- INSERT EACH KEY YOU WANT TO PROGRAM AND TURN THE IGNITION ON FOR ABOUT 5 SECONDS EACH.

**DIAGNOSTIC MENU**
- PROCEDURE COMPLETE

**PROGRAM KEYS**
- YOU SHOULD PROBABLY CHECK "KEYS PROGRAMMED AGAIN AT THIS POINT.

**PROGRAM KEYS**
- GO TO PROGRAM REMOTES IF YOU NEED TO PROGRAM THE REMOTE HEAD BUTTONS
Adding keys using program key procedure requires a programmed master key. If you do not have one, see RESET IMMOBILISER.

**Select:**
+SCION
+BY VEHICLE
+FRS
+BLADED

**PROGRAM KEYS**
(Use this method to ADD Master or Valet Keys)

**DIAGNOSTIC MENU**
SWITCH IGNITION ON
PRESS ENTER KEY

**ECU IDENTIFICATION**
SCION IMMOBILISER
PRESS ENTER KEY

**PROGRAM KEYS**
THIS FUNCTION IS USED TO ADD KEYS
THIS STEP MUST BE DONE IN THE TIME LIMIT. IT WILL FAIL IF THE WORK DOES NOT FINISH IN TIME LIMIT.
PRESS ENTER KEY

Key must be a Programmed Master Key for this procedure to work.

**PROGRAM KEYS**
THE MAXIMUM NUMBER OF KEYS WHICH CAN BE PROGRAMMED IS 6
PRESS ENTER KEY

**PROGRAM KEYS**
REMOVE THE CURRENT KEY
SWITCH IGNITION ON WITH EACH KEY TO BE PROGRAMMED INSERT ALL KEYS WITHIN THE 60 SECONDS
PRESS ENTER KEY

INSERT EACH KEY YOU WANT TO PROGRAM AND TURN THE IGNITION ON FOR ABOUT 5 SECONDS EACH.
FR-S
KEYED IMMOBILIZER

PROGRAM KEYS - Continued
(Use this method to ADD Master or Valet Keys)

DIAGNOSTIC MENU

PROCEDURE COMPLETE

PRESS ENTER KEY

YOU SHOULD PROBABLY CHECK “KEYS PROGRAMMED AGAIN AT THIS POINT.

KEYS PROGRAMMED

KEYS PROGRAMMED: 0
REMTES PROGRAMMED: 2

PRESS ENTER KEY

GO TO PROGRAM REMOTES IF YOU NEED TO PROGRAM THE REMOTE HEAD BUTTONS

DIAGNOSTIC MENU

KEYS PROGRAMMED
RESET IMMOBILISER
CLEAR KEYS
PROGRAM KEYS
ERASE REMOTES
PROGRAM REMOTES

PRESS ENTER KEY

Very easy to use just follow the screens. Up to 4 Remotes Total Max.
SMART SECTION

T-CODE SOFTWARE PACKS:

Smart Car Programming (ADS-179)

<table>
<thead>
<tr>
<th>2008-2014 FORTWO (W451)</th>
<th>ADS-179</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DEALER</strong></td>
<td><strong>SYSTEM</strong></td>
</tr>
<tr>
<td>Dealer Key Required</td>
<td>Select by Vehicle</td>
</tr>
</tbody>
</table>

Note: Remote programs in along with transponder.
### Special Functions

**Program Key** - Erases all currently programmed keys and programs in up to 6 keys.

**Keys Programmed** - Displays the number of currently registered proximity keys.

**Have all keys you want to program ready before starting programming.**

<table>
<thead>
<tr>
<th><strong>T-Code Software #</strong></th>
<th><strong>Cable / Dongle:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>ADS-179</td>
<td>ADC-250 / ADC-251 A (Black) Dongle</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Max # Keys:</strong></th>
<th><strong>Smart Dongle?</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Keys:**
Lock to vehicle, so must be fresh / virgin. Keys can be erased and re-programmed back into the same vehicle.

**Security:**
No PIN code

**Components Matched?**
Yes

**Matching Capability?**
None

### More Info:

**Watch Video -**

[Programming an all keys lost Smart For Two by Mercedes with Advanced Diagnostics MVP-Pro](https://www.youtube.com/watch?v=XYZ1234567890)
**SMART CAR**
**SMART FORTWO MODELS W/ BLADED IGNITION**

Use this method to **PROGRAM KEYS**

### Select:
- +SMART
- +ALL REGIONS
- +BY VEHICLE
- +FORTWO
- +2007->2014 (451)

### DIAGNOSTIC MENU
- SWITCHIGNITION ON
- PRESS ENTER KEY
- ECU IDENTIFICATION
  - VIN: WMEEJ31X19KXXXXXX
  - PRESS ENTER KEY
- DIAGNOSTIC MENU
  - ECU IDENTIFICATION
  - FAULT CODES
  - > SPECIAL FUNCTIONS
  - PRESS ENTER KEY
- DIAGNOSTIC MENU
  - > PROGRAM KEY
  - KEYS PROGRAMMED
  - PRESS ENTER KEY

### PROGRAM KEYS
- PLEASE WAIT .........

### PROGRAM KEYS
- SWITCHIGNITION OFF WITHIN 20 SEC
- PRESS ENTER KEY
- PROGRAM KEYS
- PLEASE WAIT .........

### PROGRAM KEYS
- SWITCHIGNITION ON WITHIN 20 SEC
- PRESS ENTER KEY
- PROGRAM KEYS
- DO YOU WANT TO PROGRAM MORE KEYS?
- X

### PROGRAM KEYS
- CHOOSE YES ✔️ OR NO ✗.

**NO** = IF YOU WANT DO NOT WANT TO PROGRAM MORE KEYS.

**YES** = IF YOU WANT TO PROGRAM MORE KEYS.
SMART CAR
SMART FORTWO MODELS
W/ BLADED IGNITION

Use this method to **PROGRAM KEYS - Cont’d**

<table>
<thead>
<tr>
<th>PROGRAM KEYS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
<tr>
<td>PROCEDURE COMPLETE</td>
</tr>
</tbody>
</table>

TEST ALL KEYS FOR PROPER OPERATION.
SUBARU SECTION

T-CODE SOFTWARE PACKS:

Subaru Basic USA (ADS-127)

Subaru 2015 (ADS-228)

Subaru 2016 (ADS-255) - New Release for October 2016

(Software names generally refer to the date of release on the T-CODE not the years of vehicles covered).
### SUBARU WARNINGS

SUBARU 2016 - ADS-255 SOFTWARE CAN'T BE BE USED FOR LOST KEY SITUATIONS. WHEN THERE IS NO REGISTERED KEY AVAILABLE THE SOFTWARE CANNOT BE USED. ADS-255 Requires BETA 12.78 or higher.

DO NOT TRY TO USE THE IMMO TYPE1A SELECTION ON ANY VEHICLE WITH THE SUBARU “G” KEY SYSTEM. IT’S NOT DESIGNED FOR “G” KEY SYSTEMS AND MAY CAUSE DISABLE THE VEHICLE.

USE ONLY THE IMMO TYPE 8 ON “G” KEY SYSTEM CARS TYPE 8 IS THE CORRECT SYSTEM TO USE!

### 2006-2007 B9 TRIBECA  ADS-127

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>SUB4-PT</td>
<td>TYPE 1A</td>
<td>Yes</td>
<td>NO</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

### 2013-2016 BRZ WITH KEY IGNITION  ADS-255

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM KEY</td>
<td>Select By Vehicle</td>
<td>Yes</td>
<td>NO</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

Subaru G Key

CHECK WITH DISTRIBUTOR OR DEALER FOR CORRECT PART TO USE.

SUBARU BR-Z SYSTEM IS ONLY FOR DUPLICATES, (NO LOST KEY SITUATIONS) MUST HAVE 1 REGISTERED PROX KEY TO PROCEED.

RKE PROGRAMMING IS AVAILABLE AS PART OF THE MENU.

### 2013-2016 BR-Z WITH PROXIMITY START BUTTON IGNITION  ADS-255

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM PROX</td>
<td>Select By Vehicle</td>
<td>Yes</td>
<td>NO</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

CHECK WITH DISTRIBUTOR OR DEALER FOR CORRECT PART TO USE.

SUBARU BR-Z SYSTEM IS ONLY FOR DUPLICATES, (NO LOST KEY SITUATIONS) MUST HAVE 1 REGISTERED PROX KEY TO PROCEED. Requiring 12.94 or higher

### 2014-2017 CROSSTREK WITH KEY IGNITION  ADS-255

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM KEY</td>
<td>SELECT BY VEHICLE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Subaru G Key

SUBARU “G-KEY” SYSTEM IS ONLY FOR DUPLICATES, MUST HAVE 1 REGISTERED KEY TO PROCEED. RKE PROGRAMMING IS AVAILABLE AS PART OF TYPE 8 MENU.

### 2014-2017 CROSSTREK WITH PROXIMITY START BUTTON IGNITION  ADS-255

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM PROX</td>
<td>SELECT BY VEHICLE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

CHECK WITH DISTRIBUTOR OR DEALER FOR CORRECT PART TO USE.

SUBARU PROX SYSTEM IS ONLY FOR DUPLICATES, MUST HAVE 1 REGISTERED PROX KEY TO PROCEED.

### 2014-2017 FORESTER WITH KEY IGNITION  ADS-255

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM KEY</td>
<td>SELECT BY VEHICLE</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Subaru G Key

SUBARU “G-KEY” SYSTEM IS ONLY FOR DUPLICATES, MUST HAVE 1 REGISTERED KEY TO PROCEED. RKE PROGRAMMING IS AVAILABLE AS PART OF TYPE 8 MENU.
### 2014-2017 FORESTER with Proximity Start Button Ignition

<table>
<thead>
<tr>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM PROX</td>
<td>SELECT BY VEHICLE</td>
<td>Yes</td>
<td>NO</td>
<td>Not Needed</td>
</tr>
</tbody>
</table>

**SUBARU PROX SYSTEM IS ONLY FOR DUPLICATES, MUST HAVE 1 REGISTERED PROX KEY TO PROCEED.**

### 2009-2013 FORESTER

<table>
<thead>
<tr>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>57497SC010 or 57497AG070A</td>
<td>TYPE 1A</td>
<td>Yes</td>
<td>NO</td>
<td>Not Needed</td>
</tr>
</tbody>
</table>

Check with dealer for correct key by VIN.

### 2005-2008 FORESTER 2.5 XT

<table>
<thead>
<tr>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>57497AE000</td>
<td>TYPE 1A</td>
<td>Yes</td>
<td>NO</td>
<td>Not Needed</td>
</tr>
</tbody>
</table>

### 2012-2017 IMPREZA with Key Ignition (G-KEY)

<table>
<thead>
<tr>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM KEY Subaru G Key</td>
<td>SELECT BY VEHICLE SUBARU IMMO TYPE 8</td>
<td>Yes</td>
<td>NO</td>
<td>Not Needed</td>
</tr>
</tbody>
</table>

**SUBARU “G-KEY” SYSTEM IS ONLY FOR DUPLICATES, MUST HAVE 1 REGISTERED KEY TO PROCEED. RKE PROGRAMMING IS AVAILABLE AS PART OF TYPE 8 MENU.**

### 2015-2017 IMPREZA with Proximity Start Button Ignition

<table>
<thead>
<tr>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM PROX</td>
<td>SELECT BY VEHICLE</td>
<td>Yes</td>
<td>NO</td>
<td>Not Needed</td>
</tr>
</tbody>
</table>

**SUBARU PROX SYSTEM IS ONLY FOR DUPLICATES, MUST HAVE 1 REGISTERED PROX KEY TO PROCEED.**

### 2008-2011 IMPREZA with High Security Key

<table>
<thead>
<tr>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer for correct key according to VIN.</td>
<td>TYPE 1A</td>
<td>Yes</td>
<td>NO</td>
<td>Not Needed</td>
</tr>
</tbody>
</table>

### 2008-2014 IMPREZA WRX

<table>
<thead>
<tr>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer for correct key according to VIN.</td>
<td>TYPE 1A</td>
<td>Yes</td>
<td>NO</td>
<td>Not Needed</td>
</tr>
</tbody>
</table>
## 2006-2007 IMPREZA WRX

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>57497AE000</td>
<td>TYPE 1A</td>
<td>Yes</td>
<td>NO</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

## 2008-2012 IMPREZA WRX - STI

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>57497SC010 or 57497AG070A</td>
<td>TYPE 1A</td>
<td>Yes</td>
<td>NO</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

Check with dealer for correct key by VIN.

## 2005-2007 IMPREZA WRX - STI

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>57497AE000</td>
<td>TYPE 1A</td>
<td>Yes</td>
<td>NO</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

## 2015-2017 LEGACY with KEY Ignition (G-Key)

<table>
<thead>
<tr>
<th>ILCO OEM KEY</th>
<th>SELECT BY VEHICLE</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subaru G Key</td>
<td>SUBARU IMMO TYPE 8</td>
<td>Yes</td>
<td>NO</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

SUBARU “G-KEY” SYSTEM IS ONLY FOR DUPLICATES, MUST HAVE 1 REGISTERED KEY TO PROCEED. RKE PROGRAMMING IS AVAILABLE AS PART OF TYPE 8 MENU.

## 2013-2017 LEGACY with Proximity Start Button Ignition

<table>
<thead>
<tr>
<th>ILCO OEM PROX</th>
<th>SELECT BY VEHICLE</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Yes</td>
<td>NO</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

SUBARU PROX SYSTEM IS ONLY FOR DUPLICATES, MUST HAVE 1 REGISTERED PROX KEY TO PROCEED.

## 2014 LEGACY with Key Ignition

<table>
<thead>
<tr>
<th>DEALER HIGH SECURITY OEM KEY</th>
<th>SELECT BY VEHICLE</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer for part nos.</td>
<td></td>
<td>Yes</td>
<td>Yes 5-Digit</td>
<td>No</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

**Notes:** Requires V12.26 or higher) Requires PIN Code from Subaru dealer or NASTF. The PIN Code is on a metal tag that came with the keys when the car was new/delivered. It reads Security ID: 12345 (example).

RKE program seperately using Subaru / Remotes / By system / TYPE 2

Later models that use the NON-HIGH SECURITY Bladed keys stamped “G” are NOT type 4!
### 2010-2013 LEGACY

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check with dealer for correct key according to VIN.</td>
<td>TYPE 1A</td>
<td>Yes</td>
<td>No</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

Some late production 2013 models may require ADS-228 TYPE 4 system.

### 2006-2009 LEGACY

<table>
<thead>
<tr>
<th>ILCO SYSTEM SMART Card PIN Required PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>SUB4-PT TYPE 1A Yes NO Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

### 2005 LEGACY GT

<table>
<thead>
<tr>
<th>ILCO SYSTEM SMART Card PIN Required PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>SUB4-PT TYPE 1A Yes NO Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

### 2015-2017 OUTBACK WITH KEY IGNITION

<table>
<thead>
<tr>
<th>ILCO SYSTEM SMART Card PIN Required PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM KEY Subaru G Key SELECT BY VEHICLE SUBARU IMMO TYPE 8 Yes NO Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

SUBARU “G-KEY” SYSTEM IS ONLY FOR DUPLICATES, MUST HAVE 1 REGISTERED KEY TO PROCEED. RKE PROGRAMMING IS AVAILABLE AS PART OF TYPE 8 MENU.

### 2013-2017 OUTBACK WITH PROXIMITY START BUTTON IGNITION

<table>
<thead>
<tr>
<th>ILCO SYSTEM SMART Card PIN Required PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM PROX SELECT BY VEHICLE Yes NO Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

SUBARU PROX SYSTEM IS ONLY FOR DUPLICATES, MUST HAVE 1 REGISTERED PROX KEY TO PROCEED.

### 2013-2014 OUTBACK WITH KEY IGNITION

<table>
<thead>
<tr>
<th>DEALER SYSTEM SMART Card PIN Required PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIGH SECURITY OEM KEY TYPE 4 Yes Yes 5-Digit No</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

Notes: (NEW system, use V12.26 or higher) Requires PIN Code from Subaru dealer or NASTF. RKE program separately using Subaru / Remotes / By system / TYPE 2
Later models that use the NON-HIGH SECURITY Bladed keys stamped “G” are type 4!
Some early prod. 2013 have been found to use the old TYPE 1A. If TYPE 4 gives SEED KEY ERROR use TYPE 1A.
<table>
<thead>
<tr>
<th>Year Range</th>
<th>Vehicle Model</th>
<th>System Type</th>
<th>OEM/Dealer Key</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010-2012</td>
<td>OUTBACK</td>
<td>ADS-127</td>
<td>Dealer 4 Button Remote Key: 57497AJ070</td>
<td>Yes</td>
<td>NO</td>
<td>Not Needed</td>
</tr>
<tr>
<td>2006-2009</td>
<td>OUTBACK</td>
<td>ADS-127</td>
<td>SUB4-PT TYPE 1A</td>
<td>Yes</td>
<td>NO</td>
<td>Not Needed</td>
</tr>
<tr>
<td>2005</td>
<td>OUTBACK 2.5 XT / 3.0R</td>
<td>ADS-127</td>
<td>SUB4-PT TYPE 1A</td>
<td>Yes</td>
<td>NO</td>
<td>Not Needed</td>
</tr>
<tr>
<td>2010-2014</td>
<td>TRIBECA</td>
<td>ADS-127</td>
<td>Dealer 4 Button Remote Key: 57497XA13A</td>
<td>Yes</td>
<td>NO</td>
<td>Not Needed</td>
</tr>
<tr>
<td>2008-2009</td>
<td>TRIBECA</td>
<td>ADS-127</td>
<td>SUB4-PT TYPE 1A</td>
<td>Yes</td>
<td>NO</td>
<td>Not Needed</td>
</tr>
<tr>
<td>2015-2017</td>
<td>WRX WITH KEY IGNITION</td>
<td>ADS-255</td>
<td>OEM KEY SELECT BY VEHICLE Subaru G Key</td>
<td>Yes</td>
<td>NO</td>
<td>Not Needed</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>OEM PROX SELECT BY VEHICLE</td>
<td>Yes</td>
<td>NO</td>
<td>Not Needed</td>
</tr>
</tbody>
</table>

**Notes:**
- SUBARU "G-KEY" SYSTEM IS ONLY FOR DUPLICATES, MUST HAVE 1 REGISTERED KEY TO PROCEED. RKE PROGRAMMING IS AVAILABLE AS PART OF TYPE 8 MENU.
- SUBARU PROX SYSTEM IS ONLY FOR DUPLICATES, MUST HAVE 1 REGISTERED PROX KEY TO PROCEED.
### 2013-2017 XV Crosstrek with Key Ignition

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM KEY</td>
<td>SELECT BY VEHICLE</td>
<td>Yes</td>
<td>NO</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
<tr>
<td>Subaru G Key</td>
<td>SUBARU IMMO TYPE 8</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**SUBARU “G-KEY” SYSTEM IS ONLY FOR DUPLICATES, MUST HAVE 1 REGISTERED KEY TO PROCEED. RKE PROGRAMMING IS AVAILABLE AS PART OF TYPE 8 MENU.**

### 2014-2017 XV Crosstrek with Proximity Start Button Ignition

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM PROX</td>
<td>SELECT BY VEHICLE</td>
<td>Yes</td>
<td>NO</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
<tr>
<td></td>
<td>Check with Distributor or Dealer for correct part to use.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**SUBARU PROX SYSTEM IS ONLY FOR DUPLICATES, MUST HAVE 1 REGISTERED PROX KEY TO PROCEED.**

---

**SUBARU WARNINGS**

ADS-255 Requires BETA 12.78 or higher.

SUBARU 2016 - ADS-255 SOFTWARE CAN’T BE BE USED FOR LOST KEY SITUATIONS. WHEN THERE IS NO REGISTERED KEY AVAILABLE THE SOFTWARE CANNOT BE USED.

DO NOT TRY TO USE THE IMMO TYPE1A SELECTION ON ANY VEHICLE WITH THE SUBARU “G” KEY SYSTEM. IT’S NOT DESIGNED FOR “G” KEY SYSTEMS AND MAY CAUSE DISABLING THE VEHICLE. USE ONLY THE IMMO TYPE 8 ON “G” KEY SYSTEM CARS TYPE 8 IS THE CORRECT SYSTEM TO USE!
**SPECIAL FUNCTIONS**

**PROGRAM KEYS** - Erases all currently programmed keys and programs up to 4 keys total in one sequence.

<table>
<thead>
<tr>
<th>T-CODE SOFTWARE #</th>
<th>CABLE / DONGLE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADS-127</td>
<td>ADC-250 / ADC- 251 A (BLACK) DONGLE</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MAX # KEYS:</th>
<th>SMART DONGLE?</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>YES</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>KEYS:</th>
<th>SECURITY:</th>
</tr>
</thead>
<tbody>
<tr>
<td>RE-USABLE</td>
<td>NO PIN CODE REQUIRED</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>COMPONENTS MATCHED?</th>
</tr>
</thead>
<tbody>
<tr>
<td>YES</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MATCHING CAPABILITY?</th>
</tr>
</thead>
<tbody>
<tr>
<td>NONE</td>
</tr>
</tbody>
</table>

**SECURITY LIGHT / THEFT INDICATOR:**
When the vehicle is started the theft light / indicator should be out. (Not blinking etc)

**MORE INFO:**
MAKE SURE YOU HAVE ALL THE KEYS YOU WANT TO PROGRAM READY.
If you have 1 or more existing keys and wish to program additional new keys, the existing keys will become new again, to the vehicle, during the programming procedure and must be programmed with the other keys.
TYPE 1A
BLADED KEY IGNITION SYSTEM

Use this method to PROGRAM KEYS

Select:
+SUBARU
+BY SYSTEM
+IMMOBILIZER
+TYPE 1A

PROGRAM KEYS
ALL KEYS WILL BE ERASED CONTINUE?
X ✔

PROGRAM KEYS
DO YOU WANT TO PROGRAM MORE KEYS?
X ✔

PROGRAM KEYS
PLEASE WAIT
*******

If you do not have more keys to program, press the X

PROGRAM KEYS
KEY REGISTRATION COMPLETE

PRESS ENTER KEY

If you want to program more keys press the CHECK MARK.

PROGRAM KEYS
PLEASE WAIT
*******

SUBARU IMMOBILISER
PRESS ENTER KEY

SWITCH IGNITION ON
PRESS ENTER KEY

SELECT:
+SUBARU
+BY SYSTEM
+IMMOBILIZER
+TYPE 1A

PROGRAM KEYS
DO YOU WANT TO PROGRAM MORE KEYS?
X ✔

DIAGNOSTIC MENU
ECU IDENTIFICATION
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU
> PROGRAM KEYS

SWITCH IGNITION OFF
REMOVE KEY
INSERT NEXT KEY
SWITCH IGNITION ON
PRESS ENTER KEY

USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

REQUIRES SMART CARD CALCULATOR OR WEB APP

OR
## Type 4
### Bladed Key Ignition System

### Special Functions

**Program Keys** - Erases all currently programmed keys and programs up to 4 keys total in one sequence.

<table>
<thead>
<tr>
<th>T-Code Software #</th>
<th>Cable / Dongle:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADS-228</td>
<td>ADC-250 / ADC-251 A (Black) Dongle</td>
</tr>
</tbody>
</table>

**Max # Keys:**

<table>
<thead>
<tr>
<th></th>
<th>Smart Dongle?</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>YES</td>
</tr>
</tbody>
</table>

**Keys:**

<table>
<thead>
<tr>
<th>Re-Usable</th>
<th>Security:</th>
</tr>
</thead>
<tbody>
<tr>
<td>YES</td>
<td>5-Digit Pin Code Required</td>
</tr>
</tbody>
</table>

**Components Matched:**

<p>| |</p>
<table>
<thead>
<tr>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>YES</td>
</tr>
</tbody>
</table>

**Matching Capability:**

<p>| |</p>
<table>
<thead>
<tr>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>NONE</td>
</tr>
</tbody>
</table>

**Security Light / Theft Indicator:**

When the vehicle is started the theft light / indicator should be out. (Not blinking etc)

### More Info:

Make sure you have all the keys you want to program ready.

If you have 1 or more existing keys and wish to program additional new keys, the existing keys will become new again, to the vehicle, during the programming procedure and must be programmed with the other keys.

### Troubleshooting:

If procedure goes to the end with "procedure complete" but key does not program, check the transponder, most likely it is not correct. Old keys stay programmed in these cases, only if a key is accepted are others erased.
TYPE 4
BLADED KEY IGNITION SYSTEM

Use this method to PROGRAM KEYS

Select:
+SUBARU
+BY SYSTEM
+IMMOBILIZER
+TYPE 4

SECURITY CODE
1 2 3 4 5
(this is just an example)

PLEASE WAIT * * * * *

PROGRAM KEYS
DO YOU WANT TO REGISTER MORE KEYS?

SUCCESSFUL

PRESS ENTER KEY
REMOTE (RKE) TYPE 1 & TYPE 2 PROGRAMMING

<table>
<thead>
<tr>
<th>MODEL</th>
<th>YEAR</th>
<th>TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>B9 TRIBECCA</td>
<td>2006-2014</td>
<td>SUBARU REMOTES TYPE 2</td>
</tr>
<tr>
<td>BAJA</td>
<td>2006</td>
<td>SUBARU REMOTES TYPE 1</td>
</tr>
<tr>
<td>BRZ</td>
<td>2013-2014</td>
<td>TOYOTA REMOTES TYPE 4</td>
</tr>
<tr>
<td>FORESTER</td>
<td>2005-2008</td>
<td>SUBARU REMOTES TYPE 1</td>
</tr>
<tr>
<td>FORESTER</td>
<td>2009-2013</td>
<td>SUBARU REMOTES TYPE 2</td>
</tr>
<tr>
<td>IMPREZA</td>
<td>2005-2007</td>
<td>SUBARU REMOTES TYPE 1</td>
</tr>
<tr>
<td>IMPREZA</td>
<td>2008-2011</td>
<td>SUBARU REMOTES TYPE 2</td>
</tr>
<tr>
<td>LEGACY</td>
<td>2005-2014</td>
<td>SUBARU REMOTES TYPE 2</td>
</tr>
<tr>
<td>OUTBACK</td>
<td>2005-2014</td>
<td>SUBARU REMOTES TYPE 2</td>
</tr>
</tbody>
</table>

>There are “4 Memory Slots” on Subaru Type 1 & Type 2 remote systems.

>Each remote has a unique 8 digit security code or ID.

>The ID code is found on a white sticker attached to the circuit board on the inside of the remote. Open each remote you want to program and write down this ID before starting out. If the sticker is not there or cannot be read it you will not be able to proceed. The ID code is the top line on the sticker (8 digits & no letters).

>Running the procedure shown here fills the next open Memory Slot.

>Once 4 slots are filled running the procedure will fill the last slot with the new value and drop off one of the 4 previously programmed remotes.

>If you want to ERASE all remotes run the procedure 4 times using a random code such as 11111111.

>The car needs 20-30 seconds after getting procedure complete on the PRO each time before doing anything, so it’s important to wait between programming.

>Be patient and go slowly, during this down time NO remotes will work.

>It’s very important that the battery inside each remote is good and that the car’s voltage is at least 12 volts.

>If you recieve an error message from the tester, wait 30 seconds and try the remote, it might have programmed anyway.
REMOTE (RKE) TYPE 1 & TYPE 2 PROGRAMMING

**Use this method to PROGRAM REMOTES - CONT’D**

**Select:**
- +SUBARU
- +BY SYSTEM
- +REMOTE

USE THE COVERAGE CHART TO DETERMINE WHICH TYPE TO PICK.
- +TYPE 1
- +TYPE 2

**Program Remote**

8 DIGIT CODE REQUIRED

PRESS ENTER KEY

**Security Code**

1 2 3 4 5 6 7 8

(this is just an example)

WAIT 20-30 SECONDS BEFORE TESTING THE REMOTE OR PROGRAMMING ADDITIONAL REMOTES.

**Diagnostic Menu**

ECU IDENTIFICATION

SUBARU REMOTE TYPE 2

(OR TYPE 1 DEPENDING ON WHAT YOU PICKED)

PRESS ENTER KEY

ECU IDENTIFICATION

PRESS ENTER KEY

ECU IDENTIFICATION

PRESS ENTER KEY

DIAGNOSTIC MENU

> SPECIAL FUNCTIONS

PRESS ENTER KEY

DIAGNOSTIC MENU

> PROGRAM REMOTE

PRESS ENTER KEY

**Security Code**

1 2 3 4 5 6 7 8

WAIT 20-30 SECONDS BEFORE TESTING THE REMOTE OR PROGRAMMING ADDITIONAL REMOTES.
SUBARU KEYS
For use with ADS-255

Make Sure Prox keys are New or they cannot be programmed. Prox can be erased and programmed back into the same vehicle.

2012-16 Impreza,
2013-16 Crosstrek,
2014-16 Forester,
2015-16 Legacy & Outback,
2015-16 WRX & STI

"G" key w/ keyless entry, Non-High security key (BLADED)

2013-2014 Legacy & Outback
Push-button start system access key with high security mechanical key. (PROX)

2014-2015 Forester,
2014 Crosstrek Hybrid,
2015 WRX & STI
Push-button start system access key with inside cut high security mechanical key.

2015-16 Legacy,
2015-16 Outback,
2015-16 Impreza,
2015-16 Crosstrek
2016 WRX, WRX STI
2016 Forester,
Push button start system access key with single-sided inside cut high security mechanical key.
SPECIAL FUNCTIONS

KEYS PROGRAMMED- This function reads the number of KEYS programmed.

PROGRAM KEYS- AT LEAST 1 REGISTERED KEY IS NEEDED TO PERFORM.
This function is used to ADD Master or Valet Keys. Program keys does not erase any other programmed keys.

CLEAR KEYS- AT LEAST 1 REGISTERED KEY IS NEEDED TO PERFORM.
This function is used to clear all keys from memory except the one registered key used for the procedure.

ERASE REMOTES- This function ERASES all current remotes.

PROGRAM REMOTES- This function ADDS Remotes.

MORE INFO:

OEM SUBARU TYPE 8 SYSTEM Keys have a “G” stamped on the blade.
CAUTION: The chip is different than a Toyota “G” Key.

WARNING:

THIS SOFTWARE CAN'T BE BE USED FOR LOST KEYS SITUATIONS WHEN THERE IS NO WORKING TRANSPONDER KEY AVAILABLE.

WATCH VIDEO -

T-CODE SOFTWARE # | CABLE / DONGLE:
-------------------|-------------------
ADS-255            | ADC-250 / ADC- 251

MAX # OF KEYS:     | SMART DONGLE?
4 MAX              | YES

KEYS:              | SECURITY:
OEM KEYS & REMOTES ARE RE-USABLE | NO PIN CODE
COMPONENTS MATCHED? | YES
MATCHING CAPABILITY? | NOT AVAILABLE

SECURITY LIGHT / THEFT INDICATOR:

Light should be out at end of procedure. If theft light blinks or comes on steady the key/keys have not been accepted.

OEM SUBARU “G” REMOTE HEAD KEY.

IF YOU WANT TO ERASE ALL KEYS EXCEPT THE ONE REGISTERED KEY, USE CLEAR KEYS USE PROGRAM KEYS TO ADD KEYS.
MAKE SURE YOU HAVE AT LEAST 1 REGISTERED KEY.

*IF NO REGISTERED KEY IS AVAILABLE THIS PROCEDURE WILL NOT WORK

Select:

+SUBARU
+N. AMERICA
+BY SYSTEM
+IMMOBILIZER
+POST 2000
+TYPE 8

*TURN IGNITION ON WITH A REGISTERED KEY

ECU IDENTIFICATION

SUBARU 2016

PRESS ENTER KEY

USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

PROGRAM KEYS

PRESS ENTER KEY

SWITCH IGNITION ON

PRESS ENTER KEY

REMOVE THE KEY

PRESS ENTER KEY

PROGRAM KEYS

PRESS ENTER KEY

SWITCH IGNITION ON WITH NEW KEY TO BE REGISTERED

PRESS ENTER KEY

PROGRAM KEYS

PRESS ENTER KEY

ECU IDENTIFICATION

SUBARU 2016

PRESS ENTER KEY

PROGRAM KEYS

PRESS ENTER KEY

SWITCH IGNITION ON WITH REGISTERED KEY.

PRESS ENTER KEY

PROGRAM KEYS

PRESS ENTER KEY

SWITCH IGNITION ON WITH REGISTERED KEY.

PRESS ENTER KEY

PROGRAM KEYS

PRESS ENTER KEY

SWITCH IGNITION ON WITH REGISTERED KEY.

PRESS ENTER KEY

PROGRAM KEYS

PRESS ENTER KEY

SWITCH IGNITION ON WITH REGISTERED KEY.

PRESS ENTER KEY
**TYPE 8 (G KEY)**
**BLADED KEY IGNITION SYSTEM**
**With RKE**

Use this method to PROGRAM KEYS - Continued

<table>
<thead>
<tr>
<th>PROGRAM KEYS</th>
<th>PROGRAM KEYS</th>
</tr>
</thead>
<tbody>
<tr>
<td>KEY REGISTERED</td>
<td>SWITCH IGNITION ON WITH NEW KEY TO BE REGISTERED</td>
</tr>
<tr>
<td>KEY COUNT: 02</td>
<td>PRESS ENTER KEY</td>
</tr>
<tr>
<td>DO YOU WANT TO PROGRAM ANOTHER KEY?</td>
<td></td>
</tr>
<tr>
<td><strong>X</strong></td>
<td><strong>✓</strong></td>
</tr>
</tbody>
</table>

**CHOOSE THE X IF YOU ARE FINISHED**

<table>
<thead>
<tr>
<th>PROGRAM KEYS</th>
<th>PROGRAM KEYS</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROCEEDURE COMPLETE</td>
<td>PROCEDURE COMPLETE</td>
</tr>
<tr>
<td>PRESS ENTER KEY</td>
<td>PRESS ENTER KEY</td>
</tr>
</tbody>
</table>

**CHOOSE THE CHECK MARK IF YOU HAVE MORE KEYS TO PROGRAM**

<table>
<thead>
<tr>
<th>PROGRAM KEYS</th>
<th>PROGRAM KEYS</th>
</tr>
</thead>
<tbody>
<tr>
<td>KEY REGISTERED</td>
<td>KEY REGISTERED</td>
</tr>
<tr>
<td>KEY COUNT: 03</td>
<td>KEY COUNT: 02</td>
</tr>
<tr>
<td>DO YOU WANT TO PROGRAM ANOTHER KEY?</td>
<td>DO YOU WANT TO PROGRAM ANOTHER KEY?</td>
</tr>
<tr>
<td><strong>X</strong></td>
<td><strong>✓</strong></td>
</tr>
</tbody>
</table>

**IF YOU HAVE NO MORE KEYS TO PROGRAM**
**CHOOSE THE X HERE.**
**IF YOU HAVE MORE CHOOSE THE CHECK MARK AND THE PROCESS WILL CONTINUE.**

<table>
<thead>
<tr>
<th>PROGRAM KEYS</th>
<th>PROGRAM KEYS</th>
</tr>
</thead>
<tbody>
<tr>
<td>REMOVE THE KEY</td>
<td>REMOVE THE KEY</td>
</tr>
<tr>
<td>PRESS ENTER KEY</td>
<td>PRESS ENTER KEY</td>
</tr>
</tbody>
</table>

**MAX 4 KEYS CAN BE REGISTERED.**
If you try and exceed 4 keys the procedure will fail.

**ENTER WILL TAKE YOU BACK TO THE DIAGNOSTIC MENU**

<table>
<thead>
<tr>
<th>DIAGNOSTIC MENU</th>
</tr>
</thead>
<tbody>
<tr>
<td>KEYS PROGRAMMED</td>
</tr>
<tr>
<td>PROGRAM KEYS</td>
</tr>
<tr>
<td>CLEAR KEYS</td>
</tr>
<tr>
<td>PROGRAM REMOTES</td>
</tr>
<tr>
<td>ERASE REMOTES</td>
</tr>
</tbody>
</table>

**PRESS ENTER KEY**
Use this method to read the # of KEYS PROGRAMMED

It's always a good idea to take a look at the keys programmed information before starting off.

**Diagnostic Menu**

- KEYS PROGRAMMED
- PROGRAM KEYS
- CLEAR KEYS
- PROGRAM REMOTES
- ERASE REMOTES

**Press Enter Key**

**Program Keys**

Switch ignition on

**Press Enter Key**

**Program Keys**

Key count: 02

**Press Enter Key**
**TYPE 8 (G KEY)**

**BLADED KEY IGNITION SYSTEM**

**With RKE**

Use this method to CLEAR KEYS - OPTIONAL

---

**DIAGNOSTIC MENU**

- KEYS PROGRAMMED
- PROGRAM KEYS
- > CLEAR KEYS
- PROGRAM REMOTES
- ERASE REMOTES

---

**WARNING**

SWITCH IGNITION ON WITH REGISTERED KEY

ALL OTHER KEYS WILL BE CLEARED

DO YOU WANT TO CONTINUE?

[ ] [ ]

---

**CLEAR KEYS**

PLEASE WAIT.....

---

**ERASE REMOTES**

PROCEDURE COMPLETE

---

**AFTER USING CLEAR KEYS ONLY 1 KEY USED WILL BE PROGRAMMED**

---

**PROGRAM KEYS**

SWITCH IGNITION ON

---

**PROGRAM KEYS**

KEY COUNT: 01

---

**PRESS ENTER KEY**
Optional, use only if you want to clear all remotes from memory.

**DIAGNOSTIC MENU**

<table>
<thead>
<tr>
<th>KEYS PROGRAMMED</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROGRAM KEYS</td>
</tr>
<tr>
<td>CLEAR KEYS</td>
</tr>
<tr>
<td>PROGRAM REMOTES</td>
</tr>
<tr>
<td>&gt; ERASE REMOTES</td>
</tr>
</tbody>
</table>

**PRESS ENTER KEY**

**WARNING**

SWITCH IGNITION ON.

ALL REMOTES WILL BE CLEARED

DO YOU WANT TO CONTINUE?

X

**ERASE REMOTES**

SWITCH IGNITION OFF.

REMOVE THE KEY FROM THE IGNITION

**THE DOOR LOCKS SHOULD CYCLE**

**ERASE REMOTES**

PROCEDURE COMPLETE

**PRESS ENTER KEY**

All remotes have been now been erased, go to PROGRAM REMOTES to program remotes back in.
TYPE 8 (G KEY) BLADED KEY IGNITION SYSTEM With RKE

Use this method to PROGRAM REMOTES

**DIAGNOSTIC MENU**
- KEYS PROGRAMMED
- PROGRAM KEYS
- CLEAR KEYS
- > PROGRAM REMOTES
- ERASE REMOTES

**PRESS ENTER KEY**

**PROGRAM REMOTES**
- SWITCH IGNITION ON

**PRESS ENTER KEY**

**PROGRAM REMOTES**
- PLEASE WAIT......

**PROGRAM REMOTES**
- SWITCH IGNITION OFF.
- REMOVE THE KEY FROM THE IGNITION

**PROGRAM REMOTES**
- PLEASE WAIT......
### PROGRAM REMOTES

<table>
<thead>
<tr>
<th>Procedure</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRESS THE LOCK THEN THE UNLOCK</td>
<td>Unlock button for each remote to be programmed. Procedure must be completed within 3 min.</td>
</tr>
<tr>
<td>PRESS BACK TO EXIT</td>
<td>Remotes programmed: 0</td>
</tr>
</tbody>
</table>

- Press UNLOCK then press LOCK on each remote (within 3 minutes)

**WHAT THE PRO HAS DONE IS PUT THE SYSTEM IN LEARN MODE AND BY PRESSING THE BUTTONS ON EACH REMOTE (UP TO 4 MAX.) AS DIRECTED BY THE SCREEN THE SYSTEM SHOULD LEARN EACH REMOTE.**

**NOTICE HOW THE PRO DISPLAYS THE NUMBER OF PROGRAMMED REMOTES.**

**WAIT 30 SECONDS AFTER PROGRAMMING TO TEST REMOTES**
### SPECIAL FUNCTIONS

**KEYS PROGRAMMED** - Displays the number of currently registered proximity keys.

**PROGRAM KEYS** - **AT LEAST 1 REGISTERED KEY IS REQUIRED TO USE THIS SOFTWARE.**

The PROGRAM KEYS function allows you to add PROX to the car’s immobilizer system. At least 1 already registered PROX key to the vehicle is required to start the procedure off with.

**CLEAR KEYS** - **AT LEAST 1 REGISTERED KEY IS REQUIRED TO USE THIS SOFTWARE.**

The CLEAR KEYS function clears all previously registered PROX from the immobilizer system and leaves just the 1 registered prox as the only prox registered.

At least 1 already registered PROX key to the vehicle is required to start the procedure off with.

### MORE INFO:

**VEHICLE VOLTAGE** - It’s critical for success that the voltage be 12 volts or above. Use jumper cables or a battery pack whenever possible to boost voltage even if you think it’s not needed. This will help avoid failure, especially during a 16 minute reset.

**PROX BATTERY** - It’s necessary to have a good battery in all the PROX being used for these procedures. Replace it with a fresh one if there is any doubt.

**PROX CIRCUIT BOARDS MUST MATCH** - Some prox have the same part # and or FCC ID on the case but contain different circuit boards. Open them up and compare when possible.

**WARNING:** THIS SOFTWARE CAN’T BE USED FOR LOST KEYS SITUATIONS WHEN THERE IS NO REGISTERED KEY AVAILABLE.

### SECURITY LIGHT / THEFT INDICATOR:

Light should be out anytime a programmed PROX is in the vehicle.

### T-CODE SOFTWARE # CABLE / DONGLE:

<table>
<thead>
<tr>
<th>T-CODE SOFTWARE #</th>
<th>CABLE / DONGLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADS-255</td>
<td>ADC-250 / ADC-251</td>
</tr>
<tr>
<td></td>
<td>A (BLACK) DONGLE</td>
</tr>
</tbody>
</table>

### MAX # PROX KEYS |

<table>
<thead>
<tr>
<th>MAX # PROX KEYS</th>
<th>SMART DONGLE?</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>YES</td>
</tr>
</tbody>
</table>

### PROX KEYS:

- **SECURITY:**
  - NO PIN CODE
  - COMPONENTS MATCHED?
  - YES
  - MATCHING CAPABILITY?
  - NONE

### PROX MUST BE BRAND NEW:

- Only brand new virgin Prox can be added.
  - If the PROX has been previously used on another car it will not / cannot program into your target car.
  - Prox keys erased on your target car can be added back into that same car without a problem, provided you have at least one registered prox key present to start off the procedure with.
  - All keys lost - This software cannot be used if all keys have been lost.

### WATCH VIDEO - ADDING A PROX ON SUBARU

![Adding a Prox on Subaru](image)
**SUBARU PROX SYSTEM**

*Use this method to ADD PROX*

**MAKE SURE YOU HAVE AT LEAST 1 REGISTERED KEY.**

*IF NO REGISTERED KEY IS AVAILABLE THIS PROCEDURE WILL NOT WORK*

Select:

+SUBARU
+N. AMERICA
+BY VEHICLE

Choose the exact model and year you are working on.

**DIAGNOSTIC MENU**

- KEYS PROGRAMMED
- >PROGRAM KEYS
- CLEAR KEYS

**PRESS ENTER KEY**

**PROGRAM KEYS**

- KEEP ALL DOORS CLOSED
- TOUCH ENGINE S/W WITH EMBLEM SIDE OF REGISTERED KEY
- ‘BACK’ TO EXIT.

**HAZARDS ON / IGNITION OFF**

**PRESS ENTER KEY**

**LEAVE IGNITION OFF HERE**

**ECU IDENTIFICATION**

SUBARU 2016

**PRESS ENTER KEY**

**WHEN YOU HOLD UP THE REGISTERED KEY YOU SHOULD HEAR THE CAR “BEEP” ONCE**
**SUBARU PROX SYSTEM**

*Use this method to ADD PROX - Continued*

**PROGRAM KEYS**

<table>
<thead>
<tr>
<th>Touch the engine S/W with each key to be registered until the car beeps twice</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enter to continue</td>
</tr>
<tr>
<td>Key count 1</td>
</tr>
</tbody>
</table>

**ONCE YOU HAVE REGISTERED ALL THE KEYS YOU WANT (MAX 4 TOTAL)**

**PROGRAM KEYS**

<table>
<thead>
<tr>
<th>Procedure complete</th>
</tr>
</thead>
<tbody>
<tr>
<td>Press enter key</td>
</tr>
</tbody>
</table>

**AS YOU HOLD UP EACH NEW KEY TO BE REGISTERED, YOU SHOULD HEAR THE CAR “BEEP” TWICE**

<table>
<thead>
<tr>
<th>Touch the engine S/W with each key to be registered until the car beeps twice</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enter to continue</td>
</tr>
<tr>
<td>Key count 2</td>
</tr>
</tbody>
</table>
Use this method to CLEAR PROX

**DIAGNOSTIC MENU**

- KEYS PROGRAMMED
- PROGRAM KEYS
  - CLEAR KEYS

**PROGRAM KEYS**

- A REGISTERED KEY IS REQUIRED TO CLEAR KEYS
- ALL OTHER KEYS WILL BE CLEARED
- DO YOU WANT TO CONTINUE?

- [X]

**CLEAR KEYS**

- TOUCH ENGINE S/W WITH EMBLEM SIDE OF REGISTERED KEY
- ‘BACK’ TO EXIT.

**WHEN YOU HOLD UP THE REGISTERED KEY YOU SHOULD HEAR THE CAR “BEEP” ONCE**

- [X]

**IF YOU CHECK KEYS PROGRAMMED AFTER CLEARING THE KEY COUNT SHOULD BE 1**

**DIAGNOSTIC MENU**

- [KEYS PROGRAMMED]
- PROGRAM KEYS
  - CLEAR KEYS

**PROGRAM KEYS**

- KEY COUNT: 01

**PRESS ENTER KEY**
SUBARU PROX SYSTEM

Use this method to read the # of KEYS PROGRAMMED

ITS ALWAYS A GOOD IDEA TO TAKE A LOOK AT THE KEYS PROGRAMMED INFORMATION BEFORE STARTING OFF

DIAGNOSTIC MENU

>KEYS PROGRAMMED
PROGRAM KEYS
CLEAR KEYS

PRESS ENTER KEY

PROGRAM KEYS

SWITCH IGNITION ON

PRESS ENTER KEY

PROGRAM KEYS

KEY COUNT: 02

PRESS ENTER KEY
SUZUKI SECTION

T-CODE SOFTWARE PACKS:

Nissan CAN & Prox (ADS-159)

Suzuki 2016 (ADS-233)

CAN stands for Controller Area Network, not Canada
### 2009-2012 EQUATOR (Nissan)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>N104PT</td>
<td>USE BETA N. AMERICA BY VEHICLE</td>
<td>Yes</td>
<td>Yes</td>
<td>Use BCM Conversion</td>
<td>A / G</td>
<td>LATER MODELS USE G DONGLE. Transponder is optional. Most do not have it.</td>
</tr>
</tbody>
</table>

This Vehicle is a NISSAN FRONTIER sold by SUZUKI.

### 2010-2014 KIZASHI with Proximity Start Button Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROX 37172-57L20</td>
<td>NO SMART CARD SD ONLY</td>
<td>BYPASSED</td>
<td>Not Needed</td>
<td>REQUIRES SD</td>
<td></td>
<td></td>
</tr>
<tr>
<td>E-KEY 37145-57L00</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

LOST KEY SITUATIONS MUST JUMP FUSE IN FUSE BOX LOCATED UNDER DRIVERS SIDE TO THE LEFT ABOVE BRAKE. SEE INSTRUCTIONS UNDER SYSTEM

### 2007-2009 XL7 (Suzuki)

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>B111-PT ⊕</td>
<td>Select by SYSTEM Type 4</td>
<td>Yes</td>
<td>No</td>
<td>Not Needed</td>
<td>K-Brown Or SD</td>
<td></td>
</tr>
</tbody>
</table>

This Vehicle is made by General Motors sold by SUZUKI
# Special Functions

<table>
<thead>
<tr>
<th>KEY</th>
<th>FUNCTION</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>KEYS PROGRAMMED</td>
<td>Displays the current number of programmed prox keys.</td>
<td></td>
</tr>
<tr>
<td>PROGRAM PROX</td>
<td>Erases all currently programmed prox keys and programs at least 1 prox in the process.</td>
<td></td>
</tr>
</tbody>
</table>

**T-CODE SOFTWARE #**

<table>
<thead>
<tr>
<th>Software</th>
<th>Cable / Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADS-233</td>
<td>ADC-250 / ADC-251 SMART DONGLE</td>
</tr>
</tbody>
</table>

**MAX # OF KEYS:**

| 8 | REQUIRED |

**KEYS:**

<table>
<thead>
<tr>
<th>SECURITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Re-usable.</td>
</tr>
</tbody>
</table>

**COMPONENTS MATCHED?**

| YES |

**MATCHING CAPABILITY?**

| NOT AVAILABLE |

**SECURITY LIGHT / THEFT INDICATOR:**

Light should be out at end of procedure. If theft light blinks or comes on steady the key/keys have not been accepted.

**MORE INFO:**

- **LOST KEY SITUATIONS MUST JUMP FUSE IN FUSE BOX LOCATED UNDER DRIVERS SIDE TO THE LEFT ABOVE BRAKE.**

- New software Jan 2017 Requires Beta 12.99 or higher.

- Use a fused lead and apply 12v + power from the vehicles battery to fuse 13.

(See Diagram 7.5 amp)

- Apply the power when asked by the tester during programming and not before....See instructions.
KIZASHI PROX SYSTEM

Use this method to - PROGRAM PROX

START HERE: Select:
+ SUZUKI
+ NORTH AMERICA
+ KIZASHI
+ 2012
+ PROXIMITY

HAZARDS ON / IGNITION OFF
PRESS ENTER KEY

- LEAVE THE IGNITION OFF.
- TURN ON THE HAZARD LIGHTS.
- BE READY TO JUMP FUSE 13 IF NO WORKING KEY IS AVAILABLE.

ECU IDENTIFICATION
SUZUKI 20 TO 8 DIGIT SYSTEM
PIN CODE BYPASS AVAILABLE
PRESS ENTER KEY

DIAGNOSTIC MENU
ID CODE READING
> SPECIAL FUNCTIONS
PRESS ENTER KEY

DIAGNOSTIC MENU
KEYS PROGRAMMED
> PROGRAM KEYS
PRESS ENTER KEY

JUMP THE FUSE NOW IF NO KEY IS AVAILABLE, THEN PRESS ENTER

DO NOT PRESS THE BUTTON WHILE HOLDING UP THE PROX
KIZASHI PROX SYSTEM

Use this method to - PROGRAM PROX - CONTINUED

---

### PROGRAM KEYS

<table>
<thead>
<tr>
<th>Keys programmed</th>
<th>Do you want to program more keys</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>✗</td>
</tr>
<tr>
<td>02</td>
<td>✗</td>
</tr>
</tbody>
</table>

---

**WARNING:**

Stop here if you wish.

However, on our test vehicle, the PROX functions only worked after programming a 2nd PROX. To start the vehicle the PROX had to be held up to the button. After a 2nd PROX was programmed everything worked again.

---

**DIAGNOSTIC MENU**

Hold up the next key to be programmed to the start / stop button with the logo facing the button.

Leave ignition on.

---

Press enter key.
TOYOTA SECTION

T-CODE SOFTWARE PACKS:

Toyota & Lexus Basic (ADS-125)
Toyota & Lexus 2007 (ADS-150)
Toyota / Lexus 2010 (ADS-174)
Toyota 2013 (ADS-199)
Toyota & Lexus 2015 (ADS-227)

(Software names generally refer to the date of release on the T-CODE not the years of vehicles covered).
### Advanced Diagnostics USA Manual for MVP & T-CODE

#### 2010-2016 4RUNNER with Proximity Start Button Ignition

<table>
<thead>
<tr>
<th>Year</th>
<th>Model</th>
<th>System</th>
<th>PIN Required</th>
<th>PIN Read</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010-2016</td>
<td>4RUNNER</td>
<td>Dealer Proximity Remote &amp; Key Required</td>
<td>PROX 6</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
</tr>
</tbody>
</table>

#### 2003-2009 4RUNNER

<table>
<thead>
<tr>
<th>Year</th>
<th>Model</th>
<th>System</th>
<th>PIN Required</th>
<th>PIN Read</th>
</tr>
</thead>
<tbody>
<tr>
<td>2003-2009</td>
<td>4RUNNER</td>
<td>Dealer G Key: 89785-08040</td>
<td>Type 5</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
</tr>
</tbody>
</table>

#### 2001-2002 4RUNNER

<table>
<thead>
<tr>
<th>Year</th>
<th>Model</th>
<th>System</th>
<th>PIN Required</th>
<th>PIN Read</th>
</tr>
</thead>
<tbody>
<tr>
<td>2001-2002</td>
<td>4RUNNER</td>
<td>Dealer Proximity Remote &amp; Key Required</td>
<td>Type 1</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
</tr>
</tbody>
</table>

#### 1998-2000 4RUNNER

- This model is listed just to make sure you will know it cannot be done with T-CODE or MVP
- No OBD2 access. Engine control must be reprogrammed or key introduced by Eeprom

#### 2013-2016 AVALON with Proximity Start Button Ignition

<table>
<thead>
<tr>
<th>Year</th>
<th>Model</th>
<th>System</th>
<th>PIN Required</th>
<th>PIN Read</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013-2016</td>
<td>AVALON</td>
<td>Dealer Proximity Remote &amp; Key Required</td>
<td>PROX 6</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
</tr>
</tbody>
</table>

#### 2005-2012 AVALON with Proximity Start Button Ignition

<table>
<thead>
<tr>
<th>Year</th>
<th>Model</th>
<th>System</th>
<th>PIN Required</th>
<th>PIN Read</th>
</tr>
</thead>
<tbody>
<tr>
<td>2005-2012</td>
<td>AVALON</td>
<td>Dealer Proximity Remote &amp; Key Required</td>
<td>PROX 2 OR 4</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
</tr>
</tbody>
</table>

---

**Note:**
- Some 2010 models may use the 2009 key & programming.
- **16 MINUTE BYPASS:** Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)
### TOYOTA

#### 2008-2012 AVALON WITH KEY IGNITION

<table>
<thead>
<tr>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOY44D-PT</td>
<td>Type 4</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>PRO Dongle</td>
</tr>
</tbody>
</table>

**Note:** For lost key situations use “QUICK RESET IMMOBILIZER”

#### 2005-2007 AVALON WITH KEY IGNITION

<table>
<thead>
<tr>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOY44D-PT</td>
<td>Type 2</td>
<td>No</td>
<td>No</td>
<td>Not Needed</td>
</tr>
</tbody>
</table>

**Note:** For lost key situations use “QUICK RESET IMMOBILIZER”

#### 1998-2004 AVALON

- **2008-2012 AVALON**
  - No OBD2 access. Engine control must be reprogrammed or key introduced by Eeprom

#### 2012-2016 CAMRY & CAMRY HYBRID WITH PROXIMITY START BUTTON IGNITION

<table>
<thead>
<tr>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM</td>
<td>PROX 6</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>PRO Dongle</td>
</tr>
</tbody>
</table>

**Note:** For lost key situations use “QUICK RESET IMMOBILIZER”

#### 2007-2011 CAMRY WITH PROXIMITY START BUTTON IGNITION

<table>
<thead>
<tr>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM</td>
<td>PROX 1</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>PRO Dongle</td>
</tr>
</tbody>
</table>

**Note:** For lost key situations use “QUICK RESET IMMOBILIZER”

#### 2014-2016 CAMRY WITH KEY IGNITION

<table>
<thead>
<tr>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM</td>
<td>Type 6</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>PRO Dongle</td>
</tr>
</tbody>
</table>

**RKE functions program using Toyota remotes menu type4**

**IMPORTANT:** The “G” chip will NOT substitute for the new “H” chip.

**NOTE:** Some early production 2014 have been seen still using Type 5 and the G chip.

**16 MINUTE BYPASS:** Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)
### 2010-2013 CAMRY with KEY Ignition

<table>
<thead>
<tr>
<th>DEALER</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer G Key: 89785-08040</td>
<td><strong>Type 5</strong></td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td></td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

**Note:** 2010 is a split year. Determine the proper system and which key to use by which system communciates. Only the correct system will communicate the other will not. TYPE5= G key TYPE4= 4D chip key.

**16 MINUTE BYPASS:** Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)

### 2007-2011 CAMRY with KEY Ignition

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOY44D-PT</td>
<td><strong>Type 4</strong></td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td></td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

**Note:** 2010 is a split year. Determine the proper system and which key to use by which system communicates. Only the correct system will communicate the other will not. TYPE5= G key TYPE4= 4D chip key. On Type 4 lost key situations a “quick reset” feature is available, see last page of this section for details.

### 2002-2006 CAMRY

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOY43-AT4</td>
<td><strong>Type 1</strong></td>
<td>No</td>
<td>No</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

**Note:** Transponder system is optional. Transponder models can use either TYPE 1 or TYPE 2 depending on what system is fitted on the vehicle. Use the system that communicates.

### 2002-2006 CAMRY

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOY44D-PT</td>
<td><strong>Type 2</strong></td>
<td>No</td>
<td>No</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

**Note:** Transponder system is optional. Transponder models can use either TYPE 1 or TYPE 2 depending on what system is fitted on the vehicle. Use the system that communicates.

**Note:** For Type 2 lost key situations a “quick reset” feature is available, see last page of this section for details.

### 1998-2001 CAMRY

- This model is listed just to make sure you will know it cannot be done with T-CODE or MVP

- No OBD2 access. Engine control must be reprogrammed or key introduced by Eeprom

### 2014-2017 COROLLA with KEY Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer Remote Head H Key</td>
<td><strong>Type 6</strong></td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td></td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

**RKE functions program using Toyota remotes menu type4**

**IMPORTANT:** The “G” chip will NOT substitute for the new “H” chip.

**16 MINUTE BYPASS:** Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)
### 2010-2013 COROLLA WITH KEY IGNITION

<table>
<thead>
<tr>
<th>Dealer System</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer G Key: 89785-08040</td>
<td>Type 5</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>PRO Dongle</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** 2010 is a split year. Determine the proper system and which key to use by which system communicates. Only the correct system will communicate the other will not. TYPE5= G key TYPE4= 4D chip key.

### 16 MINUTE BYPASS:
Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)

### 2007-2010 COROLLA WITH KEY IGNITION

<table>
<thead>
<tr>
<th>ILCO</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
<th>Smart Card</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toyo44D-PT</td>
<td>Type 4</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>PRO Dongle</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Note:** 2010 is a split year. Determine the proper system and which key to use by which system communicates. Only the correct system will communicate the other will not. TYPE5= G key TYPE4= 4D chip key.

On Type 4 lost key situations a “quick reset” feature is available, see last page of this section for details.

### 2009-2011 COROLLA WITH PROXIMITY START BUTTON IGNITION

<table>
<thead>
<tr>
<th>OEM</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer Proximity Remote &amp; Key Required</td>
<td>PROX 1</td>
<td>No</td>
<td>No</td>
<td>Not Needed</td>
<td>PRO Dongle</td>
</tr>
</tbody>
</table>

### 2007-2009 COROLLA WITH KEY IGNITION

<table>
<thead>
<tr>
<th>ILCO</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toyo44D-PT</td>
<td>Type 4</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>PRO Dongle</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** For Type 4 lost key situations a “quick reset” feature is available, see last page of this section for details.

### 2005-2006 COROLLA

<table>
<thead>
<tr>
<th>OEM</th>
<th>System</th>
<th>Smart Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toyo44D-PT</td>
<td>Type 2</td>
<td>No</td>
<td>No</td>
<td>Not Needed</td>
<td>PRO Dongle</td>
</tr>
</tbody>
</table>

**Note:** For Type 4 lost key situations a “quick reset” feature is available, see last page of this section for details.
### 2011-2015 FJ CRUISER

**Dealer G Key: 89785-08040**

<table>
<thead>
<tr>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type 5</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
<td></td>
</tr>
</tbody>
</table>

**16 MINUTE BYPASS:** Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 minute wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)

### 2010 FJ CRUISER

**ILCO**

<table>
<thead>
<tr>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type 4</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** 2010 is a split year. Determine the proper system and which key to use by which system communicates. Only the correct system will communicate the other will not. TYPE5= G key TYPE4= 4D chip key. On Type 4 lost key situations a “quick reset” feature is available, see last page of this section for details. Some 2010 FJ Cruisers do not support an IMMO reset, the IMMO box must be replaced.

### 2008-2009 FJ CRUISER

**ILCO**

<table>
<thead>
<tr>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type 4</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** For lost key situations use “QUICK RESET IMMOBILIZER”

### 2015-2016 HIGHLANDER with Proximity Start Button Ignition

**Dealers PROX Required**

<table>
<thead>
<tr>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROX 7</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black or Smart Dongle</td>
<td></td>
</tr>
</tbody>
</table>

**New Software:** requires using latest BETA

### 2008-2009 HIGHLANDER with Proximity Start Button Ignition

**Dealers Proximity Remote & Key Required**

<table>
<thead>
<tr>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROX 1</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
<td></td>
</tr>
</tbody>
</table>

### 2008-2014 HIGHLANDER LE with Proximity Start Button Ignition

**Dealers Proximity Remote & Key Required**

<table>
<thead>
<tr>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROX 1</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
<td></td>
</tr>
</tbody>
</table>
### 2007 HIGHLANDER LE with Proximity Start Button Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer Proximity Remote &amp; Key Required 59904-48110</td>
<td>PROX 2</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
<td></td>
</tr>
</tbody>
</table>

#### RKE functions program using Toyota remotes menu type4

**IMPORTANT:** The “G” chip will NOT substitute for the new “H” chip

**16 MINUTE BYPASS:** Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)

### 2013-2015 HIGHLANDER with Key Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer Remote Head H Key 3 Button 89070-0R130 4 Button (power hatch) 89070-0R100</td>
<td>Type 6</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
<td></td>
</tr>
</tbody>
</table>

### 2012-2013 HIGHLANDER with Key Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer G Key: 89785-08040</td>
<td>Type 5</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Transponder system may be optional.

**16 MINUTE BYPASS:** Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)

### 2010-2011 HIGHLANDER with Key Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer G Key: 89785-08040</td>
<td>Type 5</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** 2010 is a split year. Determine the proper system and which key to use by which system communicates. Only the correct system will communicate the other will not. TYPE5= G key TYPE4= 4D chip key.

**16 MINUTE BYPASS:** Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)

### 2008-2010 HIGHLANDER with Key Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>ILCO TOY44D-PT</td>
<td>Type 4</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** 2010 is a split year. Determine the proper system and which key to use by which system communicates. Only the correct system will communicate the other will not. TYPE5= G key TYPE4= 4D chip key. On Type 4 lost key situations a “quick reset” feature is available, see last page of this section for details.
### 2004-2007 Highlander with V6 Engine

<table>
<thead>
<tr>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>ILCO</td>
<td>TOY44D-PT</td>
<td>No</td>
<td>No</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

**Note:** For lost key situations use “QUICK RESET IMMOBILIZER”

### 2001-2003 Highlander with V6 Engine

- **2001-2003 Highlander with 4-Cyl Engine**

<table>
<thead>
<tr>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>ILCO</td>
<td>TOY43-AT4</td>
<td>No</td>
<td>No</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

### 2016 Land Cruiser

<table>
<thead>
<tr>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM</td>
<td>PROX 7</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Different Proximity Remote Fobs are used depending on vehicle production dates.

### 2008-2015 Land Cruiser

<table>
<thead>
<tr>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEM</td>
<td>PROX 1</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Different Proximity Remote Fobs are used depending on vehicle production dates.

### 2003-2007 Land Cruiser

<table>
<thead>
<tr>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>ILCO</td>
<td>TOY44D-PT</td>
<td>No</td>
<td>No</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

**Note:** For lost key situations use “QUICK RESET IMMOBILIZER”

### 2001-2002 Land Cruiser

<table>
<thead>
<tr>
<th>System</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>Dongle</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>ILCO</td>
<td>TOY43-AT4</td>
<td>No</td>
<td>No</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

**Note:** This model is listed just to make sure you will know it cannot be done with T-CODE or MVP

### 1998-2000 Land Cruiser

- **1998-2000 Land Cruiser**

**Note:** No OBD2 access. Engine control must be reprogrammed or key introduced by Eeprom
### 2010-2013 MATRIX

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer G Key: 89785-08040</td>
<td>Type 5</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** 2010 is a split year. Determine the proper system and which key to use by which system communicates. Only the correct system will communicate the other will not. TYPE5= G key TYPE4= 4D chip key.

**16 MINUTE BYPASS:** Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)

### 2008-2010 MATRIX

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOY44D-PT</td>
<td>Type 4</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** 2010 is a split year. Determine the proper system and which key to use by which system communicates. Only the correct system will communicate the other will not. TYPE5= G key TYPE4= 4D chip key.

For lost key situations a “quick reset” feature is available, see last page of this section for details.

### 2007 MATRIX

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOY44D-PT</td>
<td>Type 2 or 4</td>
<td>No</td>
<td>No</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

**Note:** 2007 was a split year

For lost key situations a “quick reset” feature is available, see last page of this section for details.

### 2005-2006 MATRIX

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOY44D-PT</td>
<td>Type 2</td>
<td>No</td>
<td>No</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

**Note:** For lost key situations use “QUICK RESET IMMOBILIZER”

### 2000-2005 MR2

*This model is listed just to make sure you will know it cannot be done with T-CODE or MVP*

- No OBD2 access. Engine control must be reprogrammed or key introduced by Eeprom

### 2015-2016 PRIUS C WITH KEY IGNITION

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer Remote Head H Key</td>
<td>Type 6</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Transponder system may be optional.

**RKE functions program using Toyota remotes menu type4**

**IMPORTANT:** The “G” chip will NOT substitute for the new “H” chip

**16 MINUTE BYPASS:** Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)
### 2012-2014 PRIUS C with Key Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer G Key: 89785-08040</td>
<td>Type 5</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Transponder system may be optional.

**16 Minute Bypass:** Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 minute wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)

### 2010-2017 PRIUS with Proximity Start Button Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer Proximity Remote &amp; Key Required</td>
<td>PROX 6</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
<td></td>
</tr>
</tbody>
</table>

### 2004-2009 PRIUS with Smart Access

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer Proximity Remote Toyota Part# 89994-47061</td>
<td>SELECT BY VEHICLE 04-09 PRIUS WITH SMART</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>M Orange</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Smart Access system has small rubber buttons on door handles.

**PLEASE USE BETA 12.54 OR HIGHER, NEW GUIDED SOFTWARE**

### 2004-2009 PRIUS No Smart Access System

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer Remote Fob Toyota Part# 89070-47180</td>
<td>SELECT BY VEHICLE 04-09 PRIUS WITH SMART</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>M Orange</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Prius models without Smart Access system have No small rubber buttons on door handles.

**PLEASE USE BETA 12.54 OR HIGHER, NEW GUIDED SOFTWARE**

### 2000-2003 PRIUS This model is listed just to make sure you will know it cannot be done with T-CODE or MVP

**NOT:** No OBD2 access. Engine control must be reprogrammed or key introduced by Eeprom

### 2011-2017 RAV4 with Proximity Start Button Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer Proximity Remote &amp; Key Required</td>
<td>PROX 6</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** We have had reports that on a RESET if PROX 6 fails then switch to PROX 1 system.
### 2009-2010 RAV4 with Proximity Start Button Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer Proximity Remote &amp; Key Required</td>
<td>PROX 1</td>
<td></td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

### 2013-2016 RAV4 with Key Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer Remote Head H Key 3 Button 89070-0R130 4 Button (power hatch) 89070-0R100</td>
<td>Type 6</td>
<td></td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

**RKE functions program using Toyota remotes menu type4**

IMPORTANT: The “G” chip will NOT substitute for the new “H” chip.

16 MINUTE BYPASS: Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)

### 2010-2012 RAV4 with Key Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer G Key: 89785-08040</td>
<td>Type 5</td>
<td></td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

**Note:** 2010 is a split year. Determine the proper system and which key to use by which system communciates. Only the correct system will communicate the other will not. TYPE5= G key TYPE4= 4D chip key.

16 MINUTE BYPASS: Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)

### 2007-2010 RAV4 with Key Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOY44D-PT</td>
<td>Type 4</td>
<td></td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

**Note:** 2010 is a split year. Determine the proper system and which key to use by which system communciates. Only the correct system will communicate the other will not. TYPE5= G key TYPE4= 4D chip key. On Type 4 lost key situations a “quick reset” feature is available, see last page of this section for details.

### 2006 RAV4

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOY44D-PT</td>
<td>Type 2 or 4</td>
<td></td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

**Note:** Transponder is optional.

**Note:** For lost key situations use “QUICK RESET IMMOBILIZER”

### 2004-2005 RAV4

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOY44D-PT</td>
<td>Type 2</td>
<td></td>
<td>No</td>
<td>No</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

**Note:** Transponder is optional. For lost key situations a “quick reset” feature is available, see last page of this section for details.
2001-2003 RAV4 with Optional Transponder • This model is listed just to make sure you will know it cannot be done with T-CODE or MVP

Note: Transponder optional, models with charcoal color door handles are usually non-transponder.

2014-2015 SEQUOIA

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer Remote Head H Key</td>
<td>Type 6</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
<td></td>
</tr>
</tbody>
</table>

16 MINUTE BYPASS: Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)

2011-2013 SEQUOIA

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer G Key: 89785-08040</td>
<td>Type 5</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
<td></td>
</tr>
</tbody>
</table>

16 MINUTE BYPASS: Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)

2008-2010 SEQUOIA

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
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<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
<td></td>
</tr>
</tbody>
</table>

Note: For lost key situations use “QUICK RESET IMMOBILIZER”

2003-2007 SEQUOIA • This model is listed just to make sure you will know it cannot be done with T-CODE or MVP

Note: Transponder optional, models with charcoal color door handles are usually non-transponder.

2001-2002 SEQUOIA

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOY43-AT4</td>
<td>Type 1</td>
<td>No</td>
<td>No</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

2011-2016 SIENNA with Proximity Start Button Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer Proximity Remote &amp; Key Required</td>
<td>PROX 6</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
<td></td>
</tr>
</tbody>
</table>

2015-2016 SIENNA with Key Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer H Key</td>
<td>Type 6</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
<td></td>
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Note: Transponder optional, models with charcoal color door handles are usually non-transponder.

16 MINUTE BYPASS: Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)
### 2011-2014 SIENNA with Key Ignition

<table>
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<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer G Key: 89785-08040</td>
<td>Type 5</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Transponder optional, models with charcoal color door handles are usually non-transponder.

**16 MINUTE BYPASS:** Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)

---

### 2008-2010 SIENNA

<table>
<thead>
<tr>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>ILCO</td>
<td>TOY44D-PT</td>
<td>Type 4</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
</tr>
</tbody>
</table>

**Note:** For lost key situations use “QUICK RESET IMMOBILIZER”

---

### 2004-2007 SIENNA

<table>
<thead>
<tr>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>ILCO</td>
<td>TOY44D-PT</td>
<td>Type 2</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

**Note:** For lost key situations use “QUICK RESET IMMOBILIZER”

---

### 1999-2003 SIENNA - This model is listed just to make sure you will know it cannot be done with T-CODE or MVP

No OBD2 access. Engine control must be reprogrammed or key introduced by Eeprom

---

### 2008-2009 SOLARA

<table>
<thead>
<tr>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>ILCO</td>
<td>TOY44D-PT</td>
<td>Type 4</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
</tr>
</tbody>
</table>

**Note:** For lost key situations use “QUICK RESET IMMOBILIZER”

---

### 2007 SOLARA

<table>
<thead>
<tr>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>ILCO</td>
<td>TOY44D-PT</td>
<td>Type 2 or 4</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
</tr>
</tbody>
</table>

**Note:** 2007 was a split year. For lost key situations a “quick reset” feature is available, see last page of this section for details.

---

### 2004-2006 SOLARA

<table>
<thead>
<tr>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>ILCO</td>
<td>TOY44D-PT</td>
<td>Type 2</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

**Note:** For lost key situations use “QUICK RESET IMMOBILIZER”
### 2002-2003 SOLARA with 4-CYL ENGINE

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOY43-AT4</td>
<td>Type 1</td>
<td>No</td>
<td>No</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

**Note:** Transponder system was optional. Must check engine size for proper immobilizer system.

### 2016 TACOMA with PROXIMITY START Button Ignition

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer Proximity Remote &amp; Key Required</td>
<td>PROX 7</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
<td></td>
</tr>
</tbody>
</table>

### 2011-2015 TACOMA

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer G Key: 89785-08040</td>
<td>Type 5</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
<td></td>
</tr>
</tbody>
</table>

**16 MINUTE BYPASS:** Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)

### 2008-2010 TACOMA

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOY44D-PT</td>
<td>Type 4</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** For lost key situations use “QUICK RESET IMMOBILIZER”

### 2005-2007 TACOMA

<table>
<thead>
<tr>
<th>ILCO</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOY44D-PT</td>
<td>Type 2</td>
<td>No</td>
<td>No</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

**Note:** For lost key situations use “QUICK RESET IMMOBILIZER”

### 2016-2017 TUNDRA

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer G Key: 89785-08040 OR Dealer H Key</td>
<td>Type 5</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** 2016-2017 Tundra can be EITHER equipped with a G key or H key system. If no key to look at is available: Determine the proper system and which key to use by which system RESETS. Only the correct system will go RESET the other will FAIL. TYPE5= G key TYPE6= H chip key. Determine system first before cutting an expensive key!

**16 MINUTE BYPASS:** Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)
### 2010-2015 TUNDRA

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer G Key: 89785-08040</td>
<td>Type 5</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** 2010 is a split year. Determine the proper system and which key to use by which system communicates. Only the correct system will communicate the other will not. TYPE5= G key TYPE4= 4D chip key.

**16 MINUTE BYPASS:** Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)

### 2007-2010 TUNDRA

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOY44D-PT</td>
<td>Type 4</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Transponder system was optional. 2010 is a split year. Determine the proper system and which key to use by which system communicates. Only the correct system will communicate the other will not. TYPE5= G key TYPE4= 4D chip key. On Type 4 lost key situations a “quick reset” feature is available, see last page of this section for details.

### 2009-2015 VENZA WITH PROXIMITY START BUTTON IGNITION

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer Proximity Remote &amp; Key Required</td>
<td>PROX 6</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
<td></td>
</tr>
</tbody>
</table>

### 2010-2014 VENZA WITH KEY IGNITION

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer G Key: 89785-08040</td>
<td>Type 5</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** 2010 is a split year. Determine the proper system and which key to use by which system communicates. Only the correct system will communicate the other will not. TYPE5= G key TYPE4= 4D chip key.

**16 MINUTE BYPASS:** Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)

### 2010 VENZA WITH KEY IGNITION

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOY44D-PT</td>
<td>Type 4</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** 2010 is a split year. Determine the proper system and which key to use by which system communicates. Only the correct system will communicate the other will not. TYPE5= G key TYPE4= 4D chip key.

For lost key situations a “quick reset” feature is available, see last page of this section for details.
### 2017 YARIS WITH PUSH TO START PROXIMITY SYSTEM

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer H Key</td>
<td>Select MAZDA 6 2014&gt;</td>
<td>Yes</td>
<td>Dealer INCODE Required*</td>
<td>*Free InCode Bypass now available for SD</td>
<td>G-Tan Or SD</td>
</tr>
</tbody>
</table>

**Notes:** Rolling code system, get Out-Code from tester and obtain In-code from Dealer or N.A.S.T.F. Keep the tester connected or codes change to new ones and you will have to start over. Both ADD PROX and ERASE PROX are available. 2 PROX are required if using ERASE PROX.

---

### 2015-2016 YARIS

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer E Key</td>
<td>Type 6</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Transponder system is optional.

**16 MINUTE BYPASS:** Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)

---

### 2012-2014 YARIS

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dealer G Key: 89785-08040</td>
<td>Type 5</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Transponder system is optional.

**16 MINUTE BYPASS:** Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)

---

### 2008-2011 YARIS

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOY44D-PT</td>
<td>Type 4</td>
<td>A.D. Webcode required if not using Smart Card or Smart Dongle</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Transponder system is optional.

For lost key situations a "quick reset" feature is available, see last page of this section for details.

---

### 2007 YARIS

<table>
<thead>
<tr>
<th>OEM</th>
<th>SYSTEM</th>
<th>SMART Card</th>
<th>PIN Required</th>
<th>PIN Read</th>
<th>PRO Dongle</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOY44D-PT</td>
<td>Type 2</td>
<td>No</td>
<td>No</td>
<td>Not Needed</td>
<td>A-Black Or SD</td>
</tr>
</tbody>
</table>

**Note:** Transponder system is optional.

For lost key situations a "quick reset" feature is available, see last page of this section for details.
## SPECIAL FUNCTIONS

<table>
<thead>
<tr>
<th>Function</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>RESET IMMOBILIZER</strong></td>
<td>This function allows you to erase all keys and to place the immobilizer in the “Auto Learn Mode”. This function is used when the customer has lost all their keys.</td>
</tr>
<tr>
<td><strong>ADD MASTER KEY</strong></td>
<td>This function allows you to add a Master key to the car’s immobilizer system as long as you have an existing pre-programmed Master key to start with. On Type 1 system cars it is possible to program a key in as a Valet or as a Master.</td>
</tr>
<tr>
<td><strong>ADD VALET KEY</strong></td>
<td>This function allows you to add a Valet key to the car’s immobilizer system as long as you have an existing pre-programmed Master key to start with. The vehicle’s immobilizer system cannot tell the difference between the transponder chip in the key, so it is possible to program a Master as a Valet into the immobilizer system.</td>
</tr>
<tr>
<td><strong>ERASE KEYS</strong></td>
<td>This function allows you to erase all keys except the key in the ignition lock at the time.</td>
</tr>
</tbody>
</table>

### T-CODE SOFTWARE #

<table>
<thead>
<tr>
<th>CABLE / DONGLE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADS-125</td>
</tr>
<tr>
<td>ADC-250 / ADC- 251</td>
</tr>
<tr>
<td>A (BLACK) DONGLE</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MAX # OF KEYS:</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>KEYS:</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMART DONGLE?</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SECURITY:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Re-usable.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>COMPONENTS MATCHED?</th>
</tr>
</thead>
<tbody>
<tr>
<td>YES</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MATCHING CAPABILITY?</th>
</tr>
</thead>
<tbody>
<tr>
<td>NOT AVAILABLE</td>
</tr>
</tbody>
</table>

### SECURITY LIGHT / THEFT INDICATOR:

- Light should be out at end of procedure.
- If theft light blinks or comes on steady the key/keys have not been accepted.

### MORE INFO:

**ALL Lexus TYPE 1 use 4C transponder chips in the keys.**

The same 4C chip can be programmed into the car as a **MASTER** or as a **VALET** key.

A key that is programmed as a **VALET** cannot be used to introduce more keys into the system with the MVP or T-Code.

**How to tell if a programmed key is a MASTER or a VALET?**

- **Valet key** - when first inserted into the ignition lock, the Security Light will stay on for 2 seconds and then stay off.

- **Master key** - when inserted into the ignition lock, the Security Light will not illuminate at all.
**TYPE 1**  
**KEYED IMMOBILIZER**

**RESET IMMOBILIZER**  
(Use this method if you have no programmed Master Keys.)

---

**Select:**

+TOYOTA  
+BY SYSTEM  
+IMMOBILIZER  
+TYPE 1

---

**DIAGNOSTIC MENU**

- RESET Immobilizer  
  - ADD MASTER KEY  
  - ADD VALET KEY  
  - ERASE KEYS

---

**Note:** This will cause ALL keys to be erased and put the Immobilizer system into “Auto Learn” mode.

---

**RESET Immobilizer**

**GAINING ACCESS**

TIME REQUIRED: 16:00  
TIME ELAPSED: 0:28

---

**Note:** Do not be impatient. Some vehicles may go over 16 minutes. If the timer goes over 35 minutes - stop. Disconnect from the OBD2 port and remove the key. Wait 20 sec. and start over.

---

**RESET Immobilizer**

**PROCEDURE COMPLETE**

---

**Note:** This will cause ALL keys to be erased and put the Immobilizer system into “Auto Learn” mode.

---

**Once you have PROCEDURE COMPLETE on the tester, look at the immobilizer light.**

The Security Light can be in 2 shapes:

- A small blinking red circle next to the word “Security”.

- A blinking red light in the shape of a car.

The light should now be solid indicating that the Immobilizer system has been Reset and the vehicle is now in Auto Learn mode. Insert each key you want to program - but do not turn the key ON, only insert and remove after 5 seconds.

The vehicle may learn up to 3 keys this way and the Auto Learn mode should close once the 3rd key is presented. The last key presented will be programmed in as Valet key.

If you have less than 3 keys to program You can close the Auto Learn mode early by pressing the brake pedal 6-8 times, very fast. (You must use a Master key for this.)

---

**WARNING:**  
OPEN THE DRIVERS DOOR & MAKE SURE IT STAYS OPEN UNTIL COMPLETED!
Insert a Master key that is already registered into the vehicle. Turn the ignition lock to the “ON” position. The Security Light must be out when the key is in.

**NOTE:** If you do not have an existing Master key, you must use the “Reset Immobilizer” procedure to Reset the Immobilizer system. A Valet key will not work as a substitute for a Master Key.

**ADD MASTER KEY**
(You must have a programmed MASTER KEY to perform this procedure)

Insert a Master key that is already registered into the vehicle. Turn the ignition lock to the “ON” position. The Security Light must be out when the key is in.

**NOTE:** If you do not have an existing Master key, you must use the “Reset Immobilizer” procedure to Reset the Immobilizer system. A Valet key will not work as a substitute for a Master Key.

**Select:**
+TOYOTA
+BY SYSTEM
+IMMOBILIZER
+TYPE 1

**WARNING**
FOLLOW NEXT SCREENS QUICKLY & CAREFULLY

**ADD MASTER KEY**
SWITCH IGNITION OFF
REMOVE MASTER KEY
WITHIN 20 Sec
AND THEN PRESS ENTER
TIME ELAPSED: 1 S

**ADD MASTER KEY**
INSERT NEW MASTER KEY
WITHIN 10 Sec
LEAVE IGNITION OFF
AND THEN PRESS ENTER
TIME ELAPSED: 0 S

**ADD MASTER KEY**
TIME ELAPSED: 2 S

**ADD MASTER KEY**
TIME ELAPSED: 59 S

**ADD MASTER KEY**
TIME ELAPSED: 59 S

**Note:** This usually takes about 60 seconds. If the timer goes past 120 seconds, stop. The key is most likely now programmed. Disconnect & try key.

**Note:** If you get an Error message screen: disconnect from the OBD2 port and remove the key. Wait 20 seconds and start over. On this Type, each key must be added separately. Disconnect from the OBD2 port and remove the key. Wait 20 seconds and start over to add another key.

**Note:** Read carefully & follow the screen prompts.
TYPE 1
KEYED IMMOBILIZER

ADD VALET KEY
(You must have a programmed MASTER KEY to perform this procedure)

Insert a Master key that is already registered into the vehicle. Turn the ignition lock to the “ON” position. The Security Light must be out when the key is in.

NOTE: If you do not have an existing Master key, you must use the “Reset Immobilizer” procedure to Reset the Immobilizer system. A Valet key will not work as a substitute for a Master Key.

Select:
+TOYOTA
+BY SYSTEM
+IMMOBILIZER
+TYPE 1

ADD VALET KEY
Warning
Follow next screens quickly & carefully

SWITCH IGNITION ON
PRESS ENTER KEY

ECU IDENTIFICATION
LEXUS/LEXUS TYPE 1
PRESS ENTER KEY

Note: This usually takes about 60 seconds. If the timer goes past 120 seconds, stop. The key is most likely now programmed. Disconnect & try key.

ADD VALET KEY
PROCEDURE COMPLETE
TIME ELAPSED: 59 S
PRESS ENTER KEY

Note: If you get an Error message screen, disconnect from the OBD2 port and remove the key. Wait 20 seconds and start over. On this Type, each key must be added separately. Disconnect from the OBD2 port and remove the key. Wait 20 seconds and start over to add another key.

Note: Read carefully & follow the screen prompts.
Insert a Master key that is already registered into the vehicle. Turn the ignition lock to the “ON” position. The Security Light must be out when the key is in.

NOTE: If you do not have an existing Master key, you must use the “Reset Immobilizer” procedure to Reset the Immobilizer system. A Valet key will not work as a substitute for a Master Key.

Select:
+TOYOTA
+BY SYSTEM
+IMMOBILIZER
+TYPE 1

Note: If you get an Error message screen, disconnect and remove the key.
Wait 20 seconds and start over.

Note: If you do not have an existing Master key, you must use the “Reset Immobilizer” procedure to Reset the Immobilizer system. A Valet key will not work as a substitute for a Master Key.
## SPECIAL FUNCTIONS

<table>
<thead>
<tr>
<th>QUICK RESET IMMOBILIZER</th>
<th>T-CODE SOFTWARE #</th>
<th>CABLE / DONGLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>This function erase all keys and “instantly” places the immobilizer in “Auto Learn Mode”. This function is used when the customer has lost all their keys.</td>
<td>ADS-125</td>
<td>ADC-250 / ADC-251 A (BLACK) DONGLE</td>
</tr>
</tbody>
</table>

**CAUTION:** AT LEAST 1 CHIP USED MUST BE A MASTER TYPE CHIP.

<table>
<thead>
<tr>
<th>PROGRAM KEY</th>
<th>MAX # OF KEYS</th>
<th>SMART DONGLE?</th>
</tr>
</thead>
<tbody>
<tr>
<td>This function allows you to add a MASTER OR VALET to the car’s immobilizer system as long as you have an existing pre-programmed Master key to start with.</td>
<td>5 Master 3 Valet 8-Total</td>
<td>YES</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ERASE KEYS</th>
<th>KEYS</th>
<th>SECURITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>This function allows you to erase all keys except the key in the ignition lock at the time.</td>
<td>4D TRANSPONDER CHIPS ARE RE-USABLE. THEY COME IN TWO TYPES: MASTER &amp; VALET.</td>
<td>NO PIN CODE</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SECURITY LIGHT / THEFT INDICATOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Observing the security light is critical to success when working on TOYOTA TYPE 2 Immobilizer systems.</td>
</tr>
</tbody>
</table>

### MORE INFO:

**How to tell if a programmed key is a MASTER or a VALET?**

**Valet key** - when first inserted into the ignition lock, the Security Light will stay on for 2 seconds and then stay off.

**Master key** - when inserted into the ignition lock, the Security Light will not illuminate at all.

This test assumes that you have programmed keys! If not a cloner can be used to determine the type of chip inside the keys.
TYPE 2
KEYED IMMOBILIZER

“Quick” RESET Immobilizer
(Use this method if you have no Master Keys.)

ONLY A MASTER CHIP CAN BE USED HERE!
A VALET CHIP/KEY WILL NOT WORK!

Select:
+TOYOTA
+BY SYSTEM
+IMMOBILIZER
+TYPE 2

DIAGNOSTIC MENU
RESET Immobilizer
PROGRAM KEY
ERASE KEYS
> QUICK RESET Immobilizer

PRESS ENTER KEY

AFTER PRESSING “ENTER”
DO NOT WATCH THE TESTER,
WATCH FOR A SOLID SECURITY LIGHT!
Most of the time you will see PROCEDEURE COMPLETE message on the tester. However, sometimes the car does not signal the tester that the immobilizer has been reset and you may see COMMUNICATION FAILED on the screen.
IF YOU DON’T HAVE A SOLID THEFT LIGHT
REMOVE THE KEY AND LOOK AGAIN!

REQUIRE SMART CARD CALCULATOR OR WEB APP
USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

WARNING:
OPEN THE DRIVERS DOOR & MAKE SURE IT STAYS OPEN UNTIL COMPLETED!

ONCE YOU HAVE A SOLID IMMOBILIZER LIGHT THE SYSTEM IS IN “AUTO LEARN MODE”

SEE NEXT PAGE FOR WHAT TO DO NEXT
**TYPE 2 **
**KEYED IMMOBILIZER**

**“Quick” RESET Immobilizer - Cont’d**

What to do once the RESET is completed and the theft light is solid

<table>
<thead>
<tr>
<th>WHAT TO DO ONCE THE THEFT LIGHT GOES SOLID</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt;“Auto Learn Mode” is indicated by the steady illumination of the Security Light.</td>
</tr>
<tr>
<td>&gt;Once you see a solid theft light. Insert each key you want to program - but do not turn the key ON - only insert each key and remove after 5 seconds.</td>
</tr>
<tr>
<td>&gt;The vehicle should accept 2 Master Keys and 1 Valet key in this manner.</td>
</tr>
<tr>
<td>&gt;After the 3rd key - 2 Master Keys &amp; 1 Valet Key “Auto Learn Mode” should close automatically.</td>
</tr>
<tr>
<td>&gt;If you want to ADD more Master or Valet Keys , perform the PROGRAM KEY PROCEDURE.</td>
</tr>
</tbody>
</table>

**HOW TO PROGRAM ONLY 1 KEY AFTER A RESET:**

> You can close the cycle early after only 1 or 2 keys are inserted by turning the ignition lock from Off to On and back to Off 6-8 times, very fast, with a Master key.
> Remove the key and re-insert it and the Security Light should be completely out when there is a programmed key in the ignition.

**HOW TO PROGRAM MORE THAN 2 MASTER KEYS:**

> You can have up to 5 Master Keys and 3 Valet Keys.
> Once you have at least 1 programmed master key or two master keys and you want to add more use one of the masters using the PROGRAM KEY PROCEDURE to ADD MORE KEYS.

**WHAT TO DO IF THE THEFT LIGHT WAS SOLID BUT NOW BLINKS AND WILL NOT SHUT OFF:**

> Insert a key with a valid transponder leave the IGNITION OFF for 5 seconds. Turn the ignition lock from Off to On and back to Off 6-8 times, very fast, This should program as a MASTER KEY and close the cycle. If this does not work, check the chip in the key you are trying to use. It may be incorrect.
> Check the Key Warning Buzzer , it must be functioning properly for Key Learning.
> If the theft light blinks a “2 blinks then 1 blink” repeat pattern, this usually means the chip is incorrect.
> Once in the Auto Learn Mode the system will remain in this mode until a key - or keys is successfully learned. Even if you disconnect the battery on the vehicle and return much later the system will still be in Auto Learn Mode.
> If you try and perform an Immobilizer Reset and the system is already in Auto Learn Mode you will get “ERROR” on the tester.
> It is a good idea to keep a spare Valet Key handy. We have seen instances when the Auto Learn Mode would not close until 2 Master Keys and a Valet Key are learned. It never hurts to be prepared! If you end up needing a Valet Key, you won’t have to give it to the customer, keep it for the next time. Since Toyota Keys don’t need to be turned in the ignition for learning you won’t even have to cut it.
TYPE 2
KEYED IMMOBILIZER

ADD MASTER or VALET KEY
(Use this method if you have at least 1 Master Key)

WARNING: If you do not have an existing Master key, you must use the “Reset Immobilizer” procedure to Reset the Immobilizer.
A Valet key will not work as a substitute for a Master Key.

Insert a Master key that is already registered into the vehicle. Turn the ignition lock to the “ON” position. The Security Light must be out when the key is in. Connect and follow screens.

Select:
+TOYOTA
+BY SYSTEM
+IMMOBILIZER
+TYPE 2

This usually takes about 60 seconds. If the timer goes past 120 seconds the Pro may not have received a signal from the car, try the key.

If Program Key goes all the way thru to procedure complete without any error and yet the car does not start.
The key memory may be full.
Solution: Use erase key and then add any keys you have back in.
TYPE 2
KEYED IMMOBILIZER

ERASE KEYS
(Use this method if you have at least 1 Master Key)

Insert a Master key that is already registered into the vehicle. Turn the ignition lock to the “ON” position. The Security Light must be out when the key is in. Connect and follow screens.

NOTE: If you do not have an existing Master key, you must use the “Reset Immobilizer” procedure to Reset the Immobilizer system. A Valet key will not work as a substitute for a Master Key.

Select:
+TOYOTA
+BY SYSTEM
+IMMOBILIZER
+TYPE 2

ERASE KEYS
PROCEDURE COMPLETE
PRESS ENTER KEY

ONCE COMPLETED ONLY THE 1 KEY FOR THE PROCEDURE IS PROGRAMMED.

ONLY A MASTER CHIP CAN BE USED.
A VALET CHIP WILL NOT WORK!

Note: If you get an Error message screen, disconnect and remove the key. Wait 20 seconds and start over.
TYPE 4
KEYED IMMOBILIZER

SPECIAL FUNCTIONS

"Quick" RESET Immobilizer- This function erases all keys and "instantly" places the immobilizer in "Auto Learn Mode". This function is used when the customer has lost all their keys.

CAUTION: AT LEAST 1 MASTER TYPE CHIP MUST BE USED FIRST FOLLOWING A RESET IN ORDER TO BE SUCCESSFUL!

RESET ECU: This procedure needs to be completed after RESET Immobiliser to re-sync the cars immobilizer and ECU. (It is however, not needed after Quick Reset as Quick Reset includes an ECU)

PROGRAM KEY- This function allows you to add A MASTER OR VALET to the car’s immobilizer system as long as you have an existing pre-programmed Master key to start with.

ERASE KEYS- This function allows you to erase all keys except the key in the ignition lock at the time

MORE INFO:

How to tell if a programmed key is a MASTER or a VALET?

Valet key- when first inserted into the ignition lock, the Security Light will stay on for 2 seconds and then stay off.

Master key- when inserted into the ignition lock, the Security Light will not illuminate at all.

This test assumes that you have programmed keys! If not a cloner can be used to determine the type of chip inside the keys.

WATCH VIDEO - 2009 CAMRY

A "DOT" on the key blade usually indicates the key has a 4D type chip inside.
> THEFT LIGHT - Watching the theft light is essential to success, locate it on the vehicle before starting any procedures!

> "AUTO LEARN MODE" is the "CONDITION" or "MODE" that the immobilizer is placed in following an Immobilizer Reset procedure.

(Quick or Regular, both should produce a solid theft light once the procedure is complete)

> The reason that "Auto Learn Mode" is so important is that this is the mode the system must be in order to accept new keys when there is no working MASTER key available. (ALL KEYS LOST)

> It is easy to tell if the car is in "Auto Learn Mode" by observing the theft light.

> A SOLID (not blinking) theft light is the clue and what you need to look for.

> Following an Immobilizer Reset take the key out of the ignition switch.

Look carefully at the theft light. Is it SOLID?

> It’s important that the Key Buzzer Warning be functioning properly for procedures to work properly. If there is any doubt, it’s easy to test. See if the Key Buzzer Warning sounds when the drivers door is open and a key is inserted in the Ignition switch. Next see if it shuts off when the key is removed.

> A TYPE 4 immobilizer that is in "AUTO LEARN MODE" is ready to learn keys that are placed in the IGNITION switch. The switch should be left in the "OFF" position and it’s the Key Buzzer Warning device inside the switch that signals the car to start learning the key. Insert each key to be learned in the Ignition for 5 seconds each without turning the switch. "AUTO LEARN MODE” will close automatically after 3 keys are learned. If you need to program less than 3 keys. Close “AUTO LEARN MODE” early by switching the Ignition ON/OFF very quickly 8-10 times.

WATCH VIDEO-
TOYOTA 4 RUNNER QUICK RESET, CLOSE LEARN MODE WITH 2 MASTER KEYS AND 1 VALET KEY.
TYPE 4
KEYED IMMOBILIZER

“Quick” RESET Immobilizer
(Use this method if you have no Master Keys.)

ONLY A MASTER CHIP CAN BE USED HERE!
A VALET CHIP/KEY WILL NOT WORK!

Select:
+TOYOTA
+BY SYSTEM
+IMMOBILIZER
+TYPE 4

DIAGNOSTIC MENU
RESET Immobilizer
PROGRAM KEY
ERASE KEYS
> QUICK RESET Immobilizer
PRESS ENTER KEY

AFTER PRESSING “ENTER” DO NOT WATCH THE TESTER,
WATCH FOR A SOLID SECURITY LIGHT!
Most of the time you will see PROCEDURE COMPLETE message on the tester.
However, sometimes the car does not signal the tester that the immobilizer has
been reset and you may see COMMUNICATION FAILED on the screen.
IF YOU DON’T HAVE A SOLID THEFT LIGHT REMOVE THE KEY AND LOOK AGAIN!

ONCE YOU HAVE A SOLID IMMOBILIZER LIGHT THE SYSTEM IS IN
“AUTO LEARN MODE”
SEE NEXT PAGE FOR WHAT TO DO NEXT

WARNING:
OPEN THE DRIVERS DOOR & MAKE SURE IT STAYS OPEN UNTIL COMPLETED!

Advanced Diagnostics USA Manual for MVP & T-CODE - © 2017
“Quick” RESET Immobilizer - Cont’d
What to do once the RESET is completed and the theft light is solid

Once the theft light is solid, here’s what to do:

> “Auto Learn Mode” is indicated by the steady illumination of the Security Light.

> Once you see a solid theft light. Insert each key you want to program - but do not turn the key ON - only insert each key and remove after 5 seconds.
> The vehicle should accept 2 Master Keys and 1 Valet key in this manner.
> After the 3rd key - 2 Master Keys & 1 Valet Key “Auto Learn Mode” should close automatically.
> If you want to ADD more Master or Valet Keys, perform the PROGRAM KEY PROCEDURE.

What if you only want to program 1 Master Key?
Here’s what to do:

> You can close the cycle early after only 1 or 2 keys are inserted by turning the ignition lock from Off to On and back to Off 6-8 times, very fast, with a Master key.

> Remove the key and re-insert it and the Security Light should be completely out when there is a programmed key in the ignition.

What if you want to program more than 2 Master Keys?

> You can have up to 5 Master Keys and 3 Valet Keys. Use the PROGRAM KEYS PROCEDURE.

If the theft light is solid or blinks & will not shut off:

> Repeat the process of turning the ignition lock from Off to On and back to Off 6-8 times, very fast, with a Master key.

> Check the Key Warning Buzzer, it must be functioning properly for Key Learning.

> Check the chip in the key/s you are trying to use. It may be incorrect.

> If the theft light blinks a “2 blinks then 1 blink” repeat pattern, this usually means the chip is incorrect.

> Once in the Auto Learn Mode the system will remain in this mode until a key - or keys is successfully learned. Even if you disconnect the battery on the vehicle and return much later the system will still be in Auto Learn Mode.

> If you try and perform an Immobilizer Reset and the system is already in Auto Learn Mode you will get “ERROR” on the tester.

> It is a good idea to keep a spare Valet Key handy. We have seen instances when the Auto Learn Mode would not close until 2 Master Keys and a Valet Keys are learned. It never hurts to be prepared! If you end up needing a Valet Key, you won’t have to give it to the customer, keep it for the next time. Since Toyota Keys don’t need to be turned in the ignition for learning you won’t even have to cut it.
TYPE 4
KEYED IMMOBILIZER

ADD MASTER or VALET KEY
(Use this method if you have at least 1 Master Key)

WARNING: If you do not have an existing Master key, you must use the “Reset Immobilizer” procedure to Reset the Immobilizer. A Valet key will not work as a substitute for a Master Key.

Insert a Master key that is already registered into the vehicle. Turn the ignition lock to the “ON” position. The Security Light must be out when the key is in. Connect and follow screens.

Select:
+TOYOTA
+BY SYSTEM
+IMMOBILIZER
+TYPE 4

DIAGNOSTIC MENU
RESET Immobilizer
> PROGRAM KEY
ERASE KEYS
RESET ECU
QUICK RESET Immobilizer

This usually takes about 60 seconds. If the timer goes past 120 seconds the Pro may not have received a signal from the car, try the key.

PROGRAM KEY
SWITCH IGNITION OFF
REMOVE KEY
INSERT KEY
SWITCH IGNITION ON
WITHIN 120 Sec
TIME ELAPSED: 0 S
PRESS ENTER KEY

LEAVE IGNITION OFF HERE!!

If Program Key goes all the way thru to procedure complete without any error and yet the car does not start. The key memory may be full. Solution: Use erase key and then add any keys you have back in.

PROGRAM KEY
PROCEDURE COMPLETE
TIME ELAPSED: 59 S
PRESS ENTER KEY

ADD MASTER or VALET KEY
(Use this method if you have at least 1 Master Key)

WARNING: If you do not have an existing Master key, you must use the “Reset Immobilizer” procedure to Reset the Immobilizer. A Valet key will not work as a substitute for a Master Key.

Insert a Master key that is already registered into the vehicle. Turn the ignition lock to the “ON” position. The Security Light must be out when the key is in. Connect and follow screens.

Select:
+TOYOTA
+BY SYSTEM
+IMMOBILIZER
+TYPE 4

DIAGNOSTIC MENU
RESET Immobilizer
> PROGRAM KEY
ERASE KEYS
RESET ECU
QUICK RESET Immobilizer

This usually takes about 60 seconds. If the timer goes past 120 seconds the Pro may not have received a signal from the car, try the key.

PROGRAM KEY
SWITCH IGNITION OFF
REMOVE KEY
INSERT KEY
SWITCH IGNITION ON
WITHIN 120 Sec
TIME ELAPSED: 0 S
PRESS ENTER KEY

LEAVE IGNITION OFF HERE!!

If Program Key goes all the way thru to procedure complete without any error and yet the car does not start. The key memory may be full. Solution: Use erase key and then add any keys you have back in.

PROGRAM KEY
PROCEDURE COMPLETE
TIME ELAPSED: 59 S
PRESS ENTER KEY

ADD MASTER or VALET KEY
(Use this method if you have at least 1 Master Key)

WARNING: If you do not have an existing Master key, you must use the “Reset Immobilizer” procedure to Reset the Immobilizer. A Valet key will not work as a substitute for a Master Key.

Insert a Master key that is already registered into the vehicle. Turn the ignition lock to the “ON” position. The Security Light must be out when the key is in. Connect and follow screens.

Select:
+TOYOTA
+BY SYSTEM
+IMMOBILIZER
+TYPE 4

DIAGNOSTIC MENU
RESET Immobilizer
> PROGRAM KEY
ERASE KEYS
RESET ECU
QUICK RESET Immobilizer

This usually takes about 60 seconds. If the timer goes past 120 seconds the Pro may not have received a signal from the car, try the key.

PROGRAM KEY
SWITCH IGNITION OFF
REMOVE KEY
INSERT KEY
SWITCH IGNITION ON
WITHIN 120 Sec
TIME ELAPSED: 0 S
PRESS ENTER KEY

LEAVE IGNITION OFF HERE!!

If Program Key goes all the way thru to procedure complete without any error and yet the car does not start. The key memory may be full. Solution: Use erase key and then add any keys you have back in.

PROGRAM KEY
PROCEDURE COMPLETE
TIME ELAPSED: 59 S
PRESS ENTER KEY
TYPE 4
KEYED IMMOBILIZER

ERASE KEYS
(Use this method if you have at least 1 Master Key)

Insert a Master key that is already registered into the vehicle. Turn the ignition lock to the "ON" position. The Security Light must be out when the key is in. Connect and follow screens.

NOTE: If you do not have an existing Master key, you must use the “Reset Immobilizer” procedure to Reset the Immobilizer system. A Valet key will not work as a substitute for a Master Key.

Diagnosis Menu

Select:
+TOYOTA
+BY SYSTEM
+IMMOBILIZER
+TYPE 4

ERASE KEYS
PROCEDURE COMPLETE
PRESS ENTER KEY

Diagnostic Menu

Diagnosis Menu
RESET Immobilizer
PROGRAM KEY
> ERASE KEYS
RESET ECU
QUICK RESET Immobilizer
PRESS ENTER KEY

Site Ignition ON
PRESS ENTER KEY

ECU IDENTIFICATION
TOYOTA LEXUS TYPE 2
PRESS ENTER KEY

Note: If you get an Error message screen, disconnect and remove the key. Wait 20 seconds and start over.

Once completed only the 1 KEY FOR THE PROCEDURE IS PROGRAMMED.

Only a Master Chip can be used. A Valet Chip will not work!
Problem: After a Reset, the car starts and runs but the theft light blinks.

Solution: The car is still in “learn mode” close the learning cycle by turning the ignition ON/OFF quickly at least 6-8 times until the light goes out.

Problem: Program key goes all the way thru to a successful conclusion with no errors but the car cranks and does not start.

Solution: Barring any other problems (low fuel, failed components etc) the car key memory may be full.

Meaning that 5 Master Keys and or 3 Valet Keys are already programmed and no more can be added.

Use ERASE KEYS with a MASTER KEY and this will ERASE all keys except the 1 Master Key used.

Now go back and use PROGRAM KEY to add any other keys you want to program.
RKE PROGRAMMING

GRID INDEX

- Only the models listed are supported- (all others use ON BOARD PROGRAMMING METHODS)

<table>
<thead>
<tr>
<th>TOYOTA MODELS</th>
<th>YEARS</th>
<th>SYSTEM TYPE</th>
<th>S/W T-CODE</th>
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<td>4-RUNNER</td>
<td>2007-2015</td>
<td>REMOTE 2</td>
<td>ADS-125</td>
</tr>
<tr>
<td>AVALON</td>
<td>2010-2013</td>
<td>REMOTE 2</td>
<td>ADS-125</td>
</tr>
<tr>
<td>CAMRY</td>
<td>2007-2016</td>
<td>REMOTE 4</td>
<td>ADS-150</td>
</tr>
<tr>
<td>COROLLA</td>
<td>Mid 2010-2017</td>
<td>REMOTE 4</td>
<td>ADS-150</td>
</tr>
<tr>
<td>FJ CRUISER</td>
<td>2010-2012</td>
<td>REMOTE 4</td>
<td>ADS-150</td>
</tr>
<tr>
<td>HIGHLANDER</td>
<td>2005-2006</td>
<td>REMOTE 4</td>
<td>ADS-150</td>
</tr>
<tr>
<td>LAND CRUISER</td>
<td>2003-2016</td>
<td>REMOTE 2</td>
<td>ADS-125</td>
</tr>
<tr>
<td>RAV-4</td>
<td>2007-2016</td>
<td>REMOTE 4</td>
<td>ADS-150</td>
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<td>SEQUOIA</td>
<td>2003-2016</td>
<td>REMOTE 4</td>
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</tr>
<tr>
<td>SIENNA</td>
<td>2010-2016</td>
<td>REMOTE 4</td>
<td>ADS-150</td>
</tr>
<tr>
<td>TUNDRA</td>
<td>2003</td>
<td>REMOTE 2</td>
<td>ADS-125</td>
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<tr>
<td>TUNDRA</td>
<td>2007-2016</td>
<td>REMOTE 4</td>
<td>ADS-150</td>
</tr>
<tr>
<td>VENZA</td>
<td>2010-2016</td>
<td>REMOTE 4</td>
<td>ADS-150</td>
</tr>
</tbody>
</table>

**On-Board Procedure**

For Smart Entry LS430 and other models not listed here

*Included here as a courtesy. Not supported by Tech Support.*

1. Driver's door open, all other doors closed, key removed from ignition switch.
   Within 5 seconds:
   Insert and remove the key from the ignition switch twice.

2. Within 40 seconds:
   Close and open driver's door twice.
   Insert and remove the key from the ignition switch.

3. Within 40 seconds:
   Close and open driver's door twice.
   Insert the key into the ignition switch and close the driver's door.

4. Switch ignition ON and OFF:
   A. Once to program a key remote transmitter code whilst retaining the original codes.
   B. Twice to program a key remote transmitter code whilst erasing the original codes.
   C. Three times to check how many key remote transmitters are currently registered.
   D. Five times to erase all registered codes.

5. Remove key from ignition switch. System should now lock and unlock vehicle once, twice or five times depending which mode has been selected. One to four times, slowly, to indicate number of key remote transmitters registered.

6. Within 40 seconds:
   Press and hold LOCK and UNLOCK buttons simultaneously for 1.5 seconds.
   Within 3 seconds: Press any key remote transmitter button.
   System should now lock and unlock vehicle once to confirm registration or twice to indicate registration has failed.

7. Within 40 seconds:
   To program additional remotes repeat step 60 now on each additional remote you want programmed.

8. To exit programming mode open driver's door or insert key into ignition.

9. Step out of car with remote(s) in hand and test remote(s).
RKE PROGRAMMING

Use this method to PROGRAM THE REMOTE KEYLESS ENTRY

The RKE program separate from the transponder on TOYOTA Remote Head Keys.

Insert a key and turn the ignition lock to the “ON” position. Connect and follow screens.

Select:
+TOYOTA
+BY SYSTEM
+REMOTES
+TYPE 1, 2, OR 3

Note: Use the Lexus Remote Type found on the Wireless Grid chart.

Select:
TOYOTA LEXUS REMOTE

Note: Follow the Screen prompts.

Note: Press the Lock & Unlock buttons together for 1 second and quickly press either the Lock or Unlock button for 1 second. You must be fast on the button operation.

REPEAT THIS PROCEDURE FOR UP TO 4 REMOTES.
RKE PROGRAMMING

Use this method to ERASE REMOTE KEYLESS ENTRY

Insert a key and turn the ignition lock to the “ON” position. Connect and follow screens.

Select:

+TOYOTA
+BY SYSTEM
+REMTES
+TYPE 2 or TYPE 4

Note: Use the Lexus Remote Type found on the Wireless Grid chart.

ECU IDENTIFICATION
FAULT CODES
ACTUATORS
> SPECIAL FUNCTIONS

Note: Use the Lexus Remote Type found on the Wireless Grid chart.

PROGRAM REMOTE
> ERASE REMOTES

Note: All the Remotes are now erased except for the one you used to complete this operation.

SWITCH IGNITION ON
UNLOCK, DRV. DOOR
OPEN DRV. DOOR

Note: Follow the Screen prompts.

PRESS ENTER KEY

Note: Press the Lock & Unlock buttons together for 1 second and quickly press either the Lock or Unlock button for 1 second. You must be fast on the button operation.

WHEN COMPLETED WITH THIS PROCEDURE ONLY THE 1 REMOTE USED IS PROGRAMMED.
Known Fault Codes:

- **B1242**: Wireless Door Lock Tuner Circuit Malfunction
- **B2780**: Push Switch/Key Unlock Warning Switch Malfunction
- **B2784**: Antenna Coil Open/Short
- **B2793**: Transponder Chip Malfunction
- **B2794**: Unmatched Encryption Code
- **B2795**: Unmatched Key Code
- **B2796**: No Communication in Immobiliser System
- **B2797**: Communication Malfunction No.1
- **B2798**: Communication Malfunction No.2
- **B2799**: Engine Immobiliser System Malfunction

If a DTC keeps coming back after clearing and after cycling the IGNITION ON and then OFF this indicates the fault is a system malfunction that needs to be fixed.
# PROX SYSTEMS
## PROX 1 / PROX 2 / PROX 6 / PROX 7

### SPECIAL FUNCTIONS

**RESET IMMOBILIZER** - This function erases all keys. This function is used when the customer has lost all their keys.

**PROGRAM KEY** - This function allows you to add a PROX to the car’s immobilizer system. Must have an existing programmed PROX key to start the procedure with.

**ERASE KEYS** - This function allows you to erase all PROX keys except the one used during the procedure. Cannot be used without a working/programmed PROX.

**NOTE:** Only brand new virgin Prox can be added. If the PROX is one that is compatible but previously used on another car it can (in most but not all cases) be added successfully. However, an IMMOBILIZER RESET must be performed first and the used PROX introduced as the 1st prox programmed.

### MORE INFO:

**DRIVERS DOOR** - Must be kept open during entire RESET procedure.

**VEHICLE VOLTAGE** - It’s critical for success that the voltage be 12 volts or above. Use jumper cables or a battery pack whenever possible to boost voltage even if you think it’s not needed. This will help avoid failure, especially during a 16 minute RESET.

**PROX BATTERY** - Its necessary to have a good battery in ALL the PROX being used for these procedures. Replace it with a fresh one if there is any doubt.

**HAVE ONLY 1 PROX AT TIME IN THE CAR WHEN PROGRAMMING** - They can interfere with one another so keep them separate and only have one new one in the car during programming.

**PROX CIRCUIT BOARDS MUST MATCH** - Some prox have the same part # and or FCC ID on the case but contain different circuit boards. Open them up and compare when possible.

### T-CODE SOFTWARE #

<table>
<thead>
<tr>
<th>CABLE / DONGLE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROX 1 &amp; 2 - ADS-150</td>
</tr>
<tr>
<td>PROX 6 - ADS-174</td>
</tr>
<tr>
<td>PROX 7 - ADS-227</td>
</tr>
<tr>
<td>ADC-250 / ADC- 251 A (BLACK) DONGLE</td>
</tr>
</tbody>
</table>

### MAX # PROX KEYS:

<table>
<thead>
<tr>
<th>SMART DONGLE?</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 YES</td>
</tr>
</tbody>
</table>

### PROX KEYS:

<table>
<thead>
<tr>
<th>SECURITY:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Re-usable. (SEE NOTE)</td>
</tr>
<tr>
<td>NO PIN CODE</td>
</tr>
<tr>
<td>COMPONENTS MATCHED?</td>
</tr>
<tr>
<td>YES</td>
</tr>
<tr>
<td>MATCHING CAPABILITY?</td>
</tr>
<tr>
<td>NONE</td>
</tr>
</tbody>
</table>

### SECURITY LIGHT / THEFT INDICATOR:

Light should be out anytime a programmed PROX is in the vehicle.
**PROX SYSTEMS**  
**PROX 1 / PROX 2 / PROX 6 / PROX 7**

**RESET IMMOBILIZER**  
Use this method IF YOU HAVE NO PROGRAMMED PROX

Select:

+TOYOTA  
+BY SYSTEM  
+PROXIMITY  
+TYPE 1, 2, 6, 7

Use the Key Look up guide for proper system selection.

**DIAGNOSTIC MENU**

<table>
<thead>
<tr>
<th>PROGRAM KEY</th>
</tr>
</thead>
<tbody>
<tr>
<td>ERASE KEYS</td>
</tr>
<tr>
<td>&gt; RESET Immobilizer</td>
</tr>
<tr>
<td>ID REG ENG START</td>
</tr>
<tr>
<td>ID REG SMART BOX</td>
</tr>
</tbody>
</table>

**PROGRAM KEYS**

<table>
<thead>
<tr>
<th>NUMBER OF KEYS</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 (4 MAX)</td>
</tr>
</tbody>
</table>

**PROGRAM KEYS**

<table>
<thead>
<tr>
<th>TOUCH ENGINE SW</th>
</tr>
</thead>
<tbody>
<tr>
<td>WITH EMBLEM SIDE OF REGISTERED KEY</td>
</tr>
<tr>
<td>TIME 30</td>
</tr>
<tr>
<td>BACK TO EXIT</td>
</tr>
</tbody>
</table>

**WARNING:**
OPEN THE DRIVERS DOOR & MAKE SURE IT STAYS OPEN UNTIL COMPLETED!

Touch the Emblem side of the PROX Remote to the START Button on the dash. The Emblem side is the side without the buttons on it and has either the LEXUS or Lexus symbol on it.

Now that the immobilizer has been RESET go to PROGRAM KEYS on the menu.

Continued on next page >
If the Prox is not detected or if you get a beep from the car but get a “failed” message on the Pro:

1. Check that it’s the correct part number. (Many look a like but are incompatible) Later models it may be necessary to open the case and look at the circuit board to identify if it’s the correct part.
2. Check and or replace the battery inside the prox.
3. Check and or boost the car’s battery voltage on the vehicle. (12 volts)

If you have more to program, touch the next one to the START Button, otherwise press ENTER on the tester to finish the procedure.
**MVP & TCODE PRO**

**TOYOTA**

**PROX SYSTEMS**

**PROX 1 / PROX 2 / PROX 6 / PROX 7**

---

**ADD ADDITIONAL PROX - (PROGRAM KEY)**

**MUST HAVE AT LEAST 1 PROGRAMMED PROX - OTHERWISE MUST RESET**

---

**Select:**

+LEXUS
+BY SYSTEM
+PROXIMITY
+TYPE 1, 2, 6, OR 7

Use the Key Look up guide for proper system selection.

---

**“USED PROX KEY WARNING”**

Only BRAND NEW keys can be added successfully 100%.

If the prox is a used key (from another car) it can usually still be programmed but ONLY by first performing a RESET IMMOBILIZER and introducing the used key 1st, followed by ADDING any already programmed keys back in.

---

**DIAGNOSTIC MENU**

> PROGRAM KEY

- ERASE KEYS
- RESET Immobilizer
- ID REG ENG START
- ID REG SMART BOX

---

**PROGRAM KEYS**

**NUMBER OF KEYS**

2 (4 MAX)

**PRESS ENTER KEY**

---

**PROGRAM KEYS**

**TOUCH ENGINE SW WITH EMBLEM SIDE OF NEXT NEW KEY**

**TIME 30**

**BACK TO EXIT**

If you have more to program, touch the next one to the START Button, otherwise press ENTER on the tester to finish the procedure.

---

**PROGRAM KEYS**

**PLEASE WAIT**

**BACK TO EXIT**

---

**PROGRAM KEYS**

**PROCEDURE COMPLETE**

**NUMBER OF KEYS**

3

**PRESS ENTER KEY**

---

**Touch the Emblem side of the PROX Remote to the START Button on the dash.**

The Emblem side is the side without the buttons on it and has either the LEXUS or Lexus symbol on it.

When you hold up the new key the car should give TWO BEEPS. If you only hear 1 then the key is not correct. May be the wrong part number or could be a previously used key thats locked. Check the key if only getting 1 beep.
Examples of different Types of PROX

Always check with the dealer for the exact part number of Prox to use on the vehicle you are working on. These are just a few examples shown for 2007 models. For later years there are quite a few different part numbers some interchangeable and some not!

Used Toyota/Lexus Proximity key warning!

Prox keys that are not BRAND NEW cannot be simply ADDED. There is a work around trick that will usually allow you to program in an already used Prox.

1. Perform an Immobilizer reset introducing the used key first.
2. Once you have the used key programmed and working use PROGRAM PROX to add back in the original working Prox key(s).

MVP users take note: The above method may not always work 100% Brand new keys from a reputable dealer is what we recommend. These program in 100% without issue.

Cross Interference:
It has been our experience that on occasion there can be cross signal interference when 2 or more Prox remotes are in the vehicle at the same time. During Programming keep only one Prox remote in the car at a time because of this.

Weak Prox Batteries:
Also, when using NEW Prox remotes if they get a failure it can be because the battery in the Prox is slightly weak from sitting around in the parts dept. and may not program in until the Prox battery is changed.
HOW TO FIND THE SYSTEM TYPE
ON KEYED IMMOBILIZER
TYPE 4 / TYPE 5 / TYPE 6
ON MODELS IN THE KEY LOOK UP LISTED AS “SPLIT YEAR”

BEFORE CUTTING ANY KEYS
Plug into the car and see which system communicates

2010 MODELS:
Some use the “G” transponder key and some don’t. It is possible to have 2 identical cars side by side
and one still on the older “4D Chip "DOT" key and one on the “G” key.
Even looking the vehicle up by the VIN can give you the wrong key.
If the customer already has a working key that has the letter “G” stamped on the blade, then “G” key will
work fine. If not follow the steps below.

Before cutting the transponder key - insert a mechanical key in the ignition and turn to the On position.
Go to “RESET Immobilizer” and see if you can communicate with “TYPE 4” - If you can communicate
with the vehicle using Immobilizer TYPE 4 then, it is NOT a “G” key vehicle.

Toyota TYPE 4 systems never use “G” transponders keys.
Toyota TYPE 5 systems never use the older 4D chip “DOT” Keys they use “G” transponder keys.

Communicates with TYPE 4 system
NOT “G” Key
Use 4D Key after market or factory 08020 / 60160
If ALL KEYS LOST: Use TYPE 4 Quick Reset Immobilizer

Communicates with TYPE 5 system
“G” Key
Use “G” key
If ALL KEYS LOST: Use TYPE 5 Reset Immobilizer

2013-2014 MODELS:
Type 5 and 6 is a little harder but still possible. Determine what system will RESET the immobilizer.

One type (5 or 6) will “FAIL” but the other will go thru. The type that suceeds will determine if you need to
cut a “G” Chip Key (TYPE 5) or an “H” Chip Key TYPE 6.

If you are using MVP this might cause you to use an extra token but will save you from cutting the wrong key!

RESET works with TYPE 5 and FAILS with TYPE 6
USE “G” Key

RESET works with TYPE 5 and FAILS with TYPE 5
USE “H” Key
### TYPE 5 and TYPE 6 KEYED IMMOBILIZER

#### SPECIAL FUNCTIONS

**RESET IMMOBILIZER** - This function erases all keys and during the process programs 1 Master Key. This function is used when the customer has lost all their keys.

**CAUTION:** AT LEAST 1 MASTER TYPE CHIP MUST BE USED FOR TYPE 5 OR TYPE 6 IMMOBILIZER RESET

**PROGRAM KEY** - This function allows you to add a MASTER OR VALET to the car’s immobilizer system as long as you have an existing pre-programmed Master key to start with.

**LEARN MASTER KEY** - This function is hardly ever used or needed. It’s only purpose is to LEARN a master key once the Immobilizer has been RESET but for some reason a Master Key was not learned. That would leave the Immobilizer in a RESET condition and would mean that trying to use RESET immobilizer again would FAIL. (Because the Immobilizer is already RESET. An example of this would be trying to use the wrong chip, the immobilizer would be RESET, but a key would not learn. Do not use this function for any other reason.

**ERASE KEYS** - This function allows you to erase all keys except the key in the ignition lock at the time

#### MORE INFO:

**How to tell if a programmed key is a MASTER or a VALET?**

**Valet key** - when first inserted into the ignition lock, the Security Light will stay on for 2 seconds and then stay off.

**Master key** - when inserted into the ignition lock, the Security Light will not illuminate at all.

This test assumes that you have programmed keys! If not a cloner might be able to be used to determine the type of chip inside the keys.

---

#### T-CODE SOFTWARE # CABLE / DONGLE:

<table>
<thead>
<tr>
<th>T-CODE SOFTWARE #</th>
<th>CABLE / DONGLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADS-150</td>
<td>ADC-250 / ADC-251</td>
</tr>
<tr>
<td></td>
<td>A (BLACK) DONGLE</td>
</tr>
</tbody>
</table>

#### MAX # OF KEYS: SMART DONGLE?

<table>
<thead>
<tr>
<th>KEYS:</th>
<th>SECURITY:</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 Master 3 Valet 8-Total</td>
<td>YES</td>
</tr>
</tbody>
</table>

#### RE-USABLE:

<table>
<thead>
<tr>
<th>COMPONENTS MATCHED?</th>
<th>MATCHING CAPABILITY?</th>
</tr>
</thead>
<tbody>
<tr>
<td>YES</td>
<td>N/A</td>
</tr>
</tbody>
</table>

#### SECURITY LIGHT / THEFT INDICATOR:

Factory “G” & “H” keys with grey plastic heads have a VALET type chip and cannot be used to perform a RESET or to introduce more keys into the system.

---

**Special note for 2010 FJ Cruiser:**

Some 2010 FJ Cruiser’s do not support an immobilizer reset.

On these affected vehicles the immo box must be replaced.

Affected vehicles where made BEFORE VIN #’s JTEZU4BF#AK010121 & JTEBU4BF#AK088229. These vehicles will FAIL on Immo Reset attempt using PRO or Dealer tools. This only effects FJ Cruiser and no other models.
## TYPE 5 and TYPE 6 KEYED IMMOBILIZER

### “HOW TO” TOYOTA VIDEOS TO WATCH -

<table>
<thead>
<tr>
<th>REMOTE HEAD KEY PROGRAMMING WITHOUT SD</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Remote Head Key Programming Without SD" /></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TYPE 5 (G-CHIP) PROGRAMMED WITH SMART DONGLE (BYPASSING THE 16 MINUTE WAIT)</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Type 5 (G-Chip) Programmed with Smart Dongle" /></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2015 HIGHLANDER REMOTE HEAD KEY PROGRAMMING -</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="2015 Highlander Remote Head Key Programming" /></td>
</tr>
</tbody>
</table>
**TYPE 5 and TYPE 6 KEYED IMMOBILIZER**

**RESET Immobilizer**
(Use this method if you have no Master Keys.)

---

**ONLY A MASTER CHIP CAN BE USED FOR RESET. A VALET CHIP/KEY WILL NOT WORK!**

**Select:**
+TOYOTA  
+BY SYSTEM  
+IMMOBILIZER  
+TYPE 5 or 6 - See the Key Look Up to determine system to use.

**WARNING:**  
OPEN THE DRIVERS DOOR & MAKE SURE IT STAYS OPEN UNTIL COMPLETED!

---

**DIAGNOSTIC MENU**

- PROGRAM KEYS  
- ERASE KEYS  
- > RESET IMMOBILIZER

**PRESS ENTER KEY**

**RESET Immobilizer**

PLEASE INSURE THAT THE DRIVER DOOR IS OPEN DURING THE PROCEDURE

**PRESS ENTER KEY**

**RESET Immobilizer**

PLEASE WAIT  
TIME REQUIRED 16:00  
TIME ELAPSED 00:00  
BACK TO EXIT

**THE LATEST VERSIONS OF SOFTWARE BYPASS THE 16 MINUTE WAIT.**

**PROGRAM KEY**

PLEASE WAIT  
45 Sec  
TIME ELAPSED: 0  
PROCEDURE COMPLETE

**PROGRAM KEY**

PROCEDURE COMPLETE

**PROGRAM KEY**

THEFT LIGHT SHOULD BE OFF & 1 MASTER KEY SHOULD BE PROGRAMMED.
Select:
+TOYOTA
+BY SYSTEM
+IMMOBILIZER
+TYPE 5 or 6 - See the Key Look Up to determine the correct system to use.

**WARNING:** If you do not have an existing Master key, you must use the “Reset Immobilizer” procedure to Reset the Immobilizer. A Valet key will not work as a substitute for a Master Key.

Insert a Master key that is already registered into the vehicle. Turn the ignition lock to the “ON” position. The Security Light must be out when the key is in. Connect and follow screens.

---

**DIAGNOSTIC MENU**

- PROGRAM KEYS
- ERASE KEYS
- RESET IMMOBILIZER

**PRESS ENTER KEY**

---

**PROGRAM KEY**

- REMOVE KEY
- INSERT KEY (USING SAME KEY)
- SWITCH IGNITION ON
- WITHIN 120 Sec
- TIME ELAPSED: 0 S

**PRESS ENTER KEY**

---

**READ THE TESTER SCREENS CAREFULLY!**

---

**STAY CONNECTED & REPEAT THIS PROCESS IF YOU WANT TO PROGRAM MORE KEYS**
## Prius 2004-2009

All Prius 2004-2009 models have a Push Start Button on the dash.

The Proximity / Remote Fob “Learning Slot” is located on the right side of the driver’s dash.

---

### Basic Info

**READ THIS FIRST!**

**CAUTION:**

**ORANGE DONGLE “M” ONLY!**

**OR SET SD TO “M” WHEN SELECTING DONGLE**

On NON-SMART ENTRY models the Prox must be inserted into the slot for the vehicle to be driven.

On SMART models it can be anywhere in the cabin to start the car.

---

The first thing you need to do is determine of the car has SMART ENTRY or NOT.

**Look for Rubber Buttons On the Door Handles**

- **Dealer Part# 89070-47180**
  - Black logo FOB is for basic Prius models with NO Smart Entry Proximity
  - No rubber buttons on door

- **Dealer Part# 89994-47061**
  - Silver logo FOB is for Smart Entry Proximity Prius models.
  - Has rubber buttons on door

**Before programming SMART ENTRY models check the “lock out” switch beneath the dash marked KEY**

Make sure the button is in the “Out” position (Not depressed).
# MVP & T-CODE PRO

## TOYOTA PRIUS 2004-2009

### With SMART ENTRY

#### SPECIAL FUNCTIONS

Key Fobs on 04-09 Prius with Smart Entry each need a 2 STEP procedure to be fully functional.

**STEP 1** - Program the transponder inside the Fob into the Immobilizer system. Once this is done the Fob will start the car but only when inserted in the slot.

**STEP 2** - Program the Fob’s Smart Entry and RKE functions into the Smart Entry System. This enables the RKE buttons and allows the fob to start the engine from anywhere in the passenger compartment.

#### T-CODE SOFTWARE #

<table>
<thead>
<tr>
<th>T-CODE SOFTWARE #</th>
<th>CABLE / DONCLE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADS-150</td>
<td>ADC-250 / ADC-251</td>
</tr>
<tr>
<td></td>
<td>DONGLE M (ORANGE) ONLY!</td>
</tr>
</tbody>
</table>

#### MAX # PROX KEYS:

<table>
<thead>
<tr>
<th>MAX # PROX KEYS:</th>
<th>SMART DONGLE?</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 Master 2 Valet 6-Total</td>
<td>YES - SET TO &quot;M&quot;</td>
</tr>
</tbody>
</table>

#### PROX KEYS:

<table>
<thead>
<tr>
<th>PROX KEYS:</th>
<th>SECURITY:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Re-usable. (SEE NOTE)</td>
<td>NO PIN CODE</td>
</tr>
</tbody>
</table>

#### COMPONENTS MATCHED?

<table>
<thead>
<tr>
<th>COMPONENTS MATCHED?</th>
</tr>
</thead>
<tbody>
<tr>
<td>YES</td>
</tr>
</tbody>
</table>

#### MATCHING CAPABILITY?

<table>
<thead>
<tr>
<th>MATCHING CAPABILITY?</th>
</tr>
</thead>
</table>

#### SECURITY LIGHT / THEFT INDICATOR:

Located in the instrument cluster.

Each Key really has TWO PARTS that get programmed separately into TWO DIFFERENT modules on the car:

**STEP #1** = TRANSPONDER PROGRAMMING - Immobilizer programming so that the TRANSPONDER inside each FOB starts the vehicle. transponder inside the key / fob start the vehicle.

**STEP #2** = RKE / SMART ACCESS PROGRAMMING - Remote Keyless Entry & or Smart Entry so that the buttons on the FOB lock and unlock the vehicle and if it’s a Smart Access model, the Fob will allow the car to start without inserting the fob in the slot.

---

PROGRAM THE TRANSPONDER PART OF THE KEY FOB

PROGRAM THE RKE / SMART ACCESS PART OF THE KEY FOB

---

Advanced Diagnostics USA Manual for MVP & T-CODE - © 2017
WATCH VIDEO - PRIUS WITH SMART ENTRY
PRIUS 2004-2009
TRANSPONDER ON ALL MODELS WITH AND WITHOUT SMART ENTRY

STEP #1 RESET TRANSPONDER ECU
(Use this method if you have no programmed Fobs)

This is the STEP #1 procedure that deals only with the TRANSPONDER inside each key.

STEP #1 IS EXACTLY the same procedure on SMART ACCESS and NON SMART ACCESS equipped PRIUS Models. Always perform this procedure first.
PRIUS 2004-2009
MODELS WITH SMART ENTRY

STEP # 1 RESET TRANSPONDER ECU
(Use this method if you have no programmed Fobs) - CONTINUED

RESET TRANSPONDER ECU

REMOVE KEY # 1 FROM SLOT

DO YOU WANT TO PROGRAM MORE KEYS?

X

RESET TRANSPONDER ECU

REMOVE KEY #2 FROM SLOT
INSERT KEY #1 INTO SLOT
THEFT LIGHT SHOULD GO OUT

PRESS ENTER KEY

RESET TRANSPONDER ECU

PROCEDURE COMPLETE

PRESS ENTER KEY

IF YOU ANSWER YES CONTINUE AND FOLLOW THE STEPS BELOW WHICH WILL PROGRAM A 2ND TRANSPONDER.

IF YOU ANSWER NO THEN YOU CAN CLOSE THE LEARNING MODE WITH ONLY ONE KEY BY REMOVING THE KEY FROM THE SLOT THEN REPLACE IT BACK IN THE SLOT THEN WAIT 5 SECONDS & PRESS THE START / STOP BUTTON REPEATEDLY (10-15 TIMES) UNTIL THE LIGHT THEFT LIGHT GOES OUT.

RESET TRANSPONDER ECU

INSERT KEY #2 INTO SLOT

PRESS ENTER KEY
PRIUS 2004-2009
MODELS WITH SMART ENTRY

STEP # 2  RESET SMART ECU
(Use this method if you have no programmed Fobs )

OK, SO NOW WE HAVE
RESET AND REGISTERED
THE TRANSPONDER ECU
AND REGISTERED 1 OR
TWO TRANSPONDERS IN
STEP #1

NEXT LET’S GO TO
STEP #2 WHICH DEALS
WITH THE SMART ENTRY
AND REMOTE FUNC-
TIONS.

SELECT:
“RESET SMART ECU”

PRESS ENTER KEY

REGISTER SMART

DO YOU HAVE REGISTERED
SMART KEY?

X

WE DON’T YET SO
SELECT THE X TO SAY
“NO”

REGISTER SMART

HAVE YOU RESET SMART
ECU?

X

YES, WE DID THAT
ALREADY SO SELECT
THE CHECK MARK TO
SAY “YES”

REGISTER SMART

INSERT KEY WITH REGISTERED
TRANSPONDER IN SLOT

PRESS ENTER KEY
PRIUS 2004-2009
MODELS WITH SMART ENTRY

STEP # 2  RESET SMART ECU - CONTINUED
(Use this method if you have no programmed Fobs)

REGISTER SMART

FOLLOW THE NEXT SCREENS QUICKLY AND CAREFULLY
COMPLETE OPERATION WITHIN 30 SECONDS
AFTER PRESSING ENTER

PRESS ENTER KEY

REGISTER SMART

SWITCH IGNITION OFF
REMOVE KEY FROM SLOT

PRESS ENTER KEY

REGISTER SMART

PRESS AND RELEASE LOCK
AND UNLOCK BUTTONS
ON UN-REGISTERED KEY
FOR 2 SECONDS
RELEASE BOTH BUTTONS
PRESS & HOLD LOCK BUTTON
ON UN-REGISTERED
SMART UNTIL THE CAR BEEPS

PRESS ENTER KEY

RESETSMART ECU

PROCEDURE COMPLETE

PRESS ENTER KEY

IF THE CAR DOES NOT BEEP, REPEAT THE REGISTER SMART PROCEDURE UNTIL SUCCESSFUL!

OK, NOW WE HAVE 1 SMART KEY REGISTERED. IF YOU WANT TO DO ANOTHER SELECT “REGISTER SMART”
PRIUS 2004-2009 MODELS WITH SMART ENTRY

REGISTER SMART
(Use this method if you have 1 programmed Fobs & want to add more)

TO PERFORM REGISTER SMART YOU MUST HAVE AT LEAST ONE KEY WHERE THE SMART AND TRANSPONDER PORTION OF THE KEY ARE REGISTERED.

DIAGNOSTIC MENU
REGISTER TRANSPONDER
ERASE TRANSPONDER
RESET TRANSPONDER ECU
\> REGISTER SMART
ERASE SMART
RESET SMART ECU

REGISTER SMART
INSERT KEY WITH REGISTERED TRANSPONDER IN SLOT
OPEN DRIVERS DOOR
SWITCH IGNITION ON
PRESS ENTER KEY

REGISTER SMART
FOLLOW THE NEXT SCREENS QUICKLY AND CAREFULLY
COMPLETE OPERATION WITHIN 30 SECONDS AFTER PRESSING ENTER
PRESS ENTER KEY

REGISTER SMART
SWITCH IGNITION OFF
REMOVE KEY FROM SLOT
PRESS ENTER KEY

REGISTER SMART
PRESS LOCK ON REGISTERED SMART KEY
PRESS ENTER KEY

REGISTER SMART
PRESS AND RELEASE LOCK AND UNLOCK BUTTONS ON UN-REGISTERED KEY FOR 2 SECONDS
RELEASE BOTH BUTTONS
PRESS & HOLD LOCK BUTTON ON UN-REGISTERED SMART UNTIL THE CAR BEEPS
PRESS ENTER KEY

RESET SMART ECU
PROCEDURE COMPLETE
PRESS ENTER KEY

IF THE CAR DOES NOT BEEP, REPEAT THE REGISTER SMART PROCEDURE UNTIL SUCCESSFUL!

AT THIS POINT SINCE WE HAVE REGISTERED THE TRANSPONDER & THE SMART PORTION OF THE KEY WE ARE ALL FINISHED.

SINCE WE HAVE AT LEAST ONE ALREADY REGISTERED SMART WE SHOULD ANSWER “YES” HERE

DO YOU HAVE REGISTERED SMART KEY?

X

YES
PRIUS 2004-2009
BASIC MODELS
(NO SMART ENTRY)

SPECIAL FUNCTIONS

- Key Fobs on 04-09 Prius with Smart Entry each need a 2 STEP procedure to be fully functional.

**STEP 1** - Program the transponder inside the Fob into the Immobilizer system. Once this is done the Fob will start the car but only when inserted in the slot. Vehicles without SMART ENTRY need the Fob inserted in the slot to start the vehicle.

**STEP 2** - Program the Fob's RKE functions.

**STEP 1 - IMMOBILIZER FUNCTIONS:**

- **RESET TRANSPONDER** - This erases all transponders and places the Immobilizer in “Auto Learn Mode”.

- **REGISTER TRANSPONDER** - This function allows you to add Fobs to the car’s immobilizer system. You must have an existing programmed Fob to start the procedure with.

- **ERASE TRANSPONDER** - This function allows you to erase all Fob keys from the IMMOBILIZER MODULE except the one used during the procedure. You must have an existing programmed Fob to start the procedure with.

**STEP 2 - REMOTE FUNCTIONS:**

- **PROGRAM REMOTE** - This function programs RKE Buttons on NON-SMART ACCESS KEYS.

You do not need to have an existing programmed Fob to start the procedure with.

**UNLIKE MODELS WITH SMART ACCESS IT IS NOT NECESSARY TO RESET THE RKE ECU.** Simply program remotes. Select “NO SMART” off the 2004-2009 PRIUS menu.

- **ERASE REMOTE** - This function clears all RKE except the 1 FOB used for the procedure. You do not need to have an existing programmed Fob to start the procedure with.

SECURITY LIGHT / THEFT INDICATOR:

Located in the instrument cluster.

Each Key really has TWO PARTS that get programmed separately into TWO DIFFERENT modules on the car:

**STEP # 1** = TRANSPONDER PROGRAMMING - Immobilizer programming so that the TRANSPONDER inside each FOB starts the vehicle.

Transponder inside the key / fob start the vehicle.

**STEP # 2 = RKE / SMART ACCESS PROGRAMMING** - Remote Keyless Entry & or Smart Entry so that the buttons on the FOB lock and unlock the vehicle and if it’s a Smart Access model, the Fob will allow the car to start without inserting the fob in the slot.

T-CODE SOFTWARE #

| ADS-150 | SMART DONGLE?
| --- | --- |
| MAX # PROX KEYS: | 4 Master 2 Valet 6-Total
| SECURITY: | NO PIN CODE |
| PROX KEYS: | 4 Master 2 Valet 6-Total |
| COMPONENTS MATCHED?: | YES |
| MATCHING CAPABILITY?: | YES |

 Located in the instrument cluster.
PRIUS 2004-2009
STEP 2 - Alternative for MODELS WITH SMART ENTRY

ON-BOARD PROGRAMMING ALTERNATIVE
(Programs the Prox and RKE functions)

<table>
<thead>
<tr>
<th>STEPS</th>
<th>Carefully perform these actions: (if you mess up, start over! )</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Close all the doors except the drivers door, that remains open.</td>
</tr>
<tr>
<td>2</td>
<td>Insert the Prox in and out of the programming slot on the dash twice.</td>
</tr>
<tr>
<td>3</td>
<td>Close &amp; open drivers door twice, then open it &amp; leave it open.</td>
</tr>
<tr>
<td>4</td>
<td>Insert the Prox in slot once and take it out of the slot.</td>
</tr>
<tr>
<td>5</td>
<td>Close then open the drivers door twice, then open it &amp; leave it open.</td>
</tr>
<tr>
<td>6</td>
<td>Insert the Prox in the slot &amp; leave it in.</td>
</tr>
<tr>
<td>7</td>
<td>Close the drivers door.</td>
</tr>
<tr>
<td>8</td>
<td>Press the start stop button to turn the ignition to “ON”. Then turn it OFF.</td>
</tr>
<tr>
<td>9</td>
<td>Take the Prox out of the slot and the door locks should cycle.</td>
</tr>
<tr>
<td>10</td>
<td>Press the lock &amp; unlock buttons together on the Prox for 1 second. Then press the lock button for 3 seconds.</td>
</tr>
<tr>
<td>11</td>
<td>The locks should cycle.</td>
</tr>
<tr>
<td>12</td>
<td>Open &amp; close the drivers door then open it again. This should exit the learning mode. Test the key.</td>
</tr>
</tbody>
</table>

Included here as a courtesy,
Not supported by Tech Support.
Common Problems with Programming Fobs into Prius models:

• **Used or worn out Fob** -
  - Check the status of the Fob trying to be programmed. • Is it new? • Was it from another car? • Has it stopped working and now the customer wants it programmed again? • There is a battery in it that might need replacing. • Some just wear out and must be replaced with a new one. Brand new remote’s will always program, unless of course, there is something actually wrong with the car.

• **Either one of the 2 steps did not complete successfully.**
  - Have you checked to see whether the fobs were programmed into the immobilizer system. The Security Theft is out when there is a Fob in the Learning Slot? It may be necessary to close the immobilizer cycle manually. Put a already programmed Fob in the Learning Slot and press the Start button 5 times ON and Off. This should close the cycle manually. • Remember the car can hold only 4 Fobs into memory, it may be necessary to erase if you are trying to only Add a Fob into memory.

• **The Smart Access Fobs have programmed successfully but the car does unlock when I try from the outside.**
  - The “Lock Out” switch (under the steering column) has been depressed and is in Lock Out mode.

• **The Smart Access Fobs have programmed successfully but the car will not Start unless I insert the Fob into the Learning Slot.**
  - Check the “Lock Out” switch (under the steering column) and see if it has been depressed and is in Lock Out mode. Next, does the car actually have Smart Access? If there are no Rubber Push Buttons on the front outside door handles - there is no Smart Access on this car. Therefore there is no Proximity system, just a simple wireless system to lock and unlock the doors. You must insert the Fob into the Learning Slot to Start and drive the car.

• **The ABS & VSC light stays on or Flashes and the car will not move.**
  - Follow the procedure to reset the ABS dash lights. This is triggered when not using the correct dongle! Programming using the M dongle will NOT cause this problem.
Warning!
Only connect to the OBD2 port with Orange Dongle “M” or SD set to Dongle M.

Select:
+TOYOTA
+BY SYSTEM
+ABS / VCS

The car must remain in the Off position.
Do not press the Start button.

Do not press the brake pedal during this procedure.

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Resetting the ABS Dash Lights
Use this method only if you have no connected with the wrong dongle

ABS & VSC lights are triggered when not using the correct dongle while the Pro is connected to the car.

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**WARNING!**
Only connect to the OBD2 port with Orange Dongle “M” or SD set to Dongle M.

Select:
+TOYOTA
+BY SYSTEM
+ABS / VCS

The car must remain in the Off position.
Do not press the Start button.

**DIAGNOSTIC MENU**

ECU IDENTIFICATION
> SPECIAL FUNCTIONS

**DIAGNOSTIC MENU**

> RESET ABS VSC LIGHT

**RESET ABS VSC LIGHT**

ABS AND VSC LIGHTS WILL FLASH

**RESET ABS VSC LIGHT**

PLEASE WAIT
THIS WILL TAKE 3 MINUTES
DO NOT TOUCH BRAKE
XX m XXs

**RESET ABS VSC LIGHT**

PROCEDURE COMPLETE
ABS AND VSC LIGHTS SHOULD NOT BE FLASHING

**RESET ABS VSC LIGHT**

DISCONNECT TESTER