• 2000 Nissan Altima (part of ADS-112)

• Old Style Infiniti-Nissan (part of ADS-112)

• Infiniti-Nissan “Type 4” (part of ADS-112)

• Infiniti-Nissan CAN & PROX (part of ADS-159)

• 2009 Nissan (part of ADS-169)

• 2011-2012 Nissan Leaf (part of ADS-169)

• 2011+ Models with No Prox Slot (part of ADS-159)

• 2013 Infiniti-Nissan Prox (part of ADS-197)

(Optional Software on some TCODE Units)
Newer Infiniti-Nissan models require a PIN Code to Program keys.

Here is the breakdown for what is needed for the different systems:

• 1997-2000 - Type 2 & 3 Systems:
  No Pin Code is needed or on some 2000’s it is “5523”.

• 2001-2008 - Type 4 Systems & later CAN / PROX Systems
  There are 2 types of PIN Codes needed for Infiniti-Nissan systems. Older Type 4 systems, all use the same PIN Code: “5523”.

  The second type, which was first introduced in 2003 on the G35, requires the user to retrieve the serial number from the BCM (Body Control Module) and convert the BCM number to a pin code.

  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 cars BCM serial number you can convert it into a pin using our CODEWIZARD PC software OR
We also now have an optional conversion dongle that works with MVP PRO or T-Code Pro.

A friendly dealer (if you have one) can convert them for you if they are willing or yet another option is to join N.A.S.T.F (see next page).

The fastest way of doing it is with the ADC-198. Shown here.......
The National Automotive Service Task Force is a not-for-profit, no-dues task force established to facilitate the identification and correction of gaps in the availability and accessibility of automotive service information, service training, diagnostic tools and equipment, and communications for the benefit of automotive service professionals. NASTF is a voluntary, cooperative effort among the automotive service industry, the equipment and tool industry, and automotive manufacturers.

The NASTF “Registry” is the foundation of the Secure Data Release Model; it is a repository of secure, background checked Vehicle Security Professionals (VSP). A VSP is an automotive locksmith or repair technician who specializes in services that require use of security-related service information. These services include immobilizer resets, component replacements that require initialization of security systems and creation/registration of high security keys. Locksmiths and technicians who have a need to access automaker security-related service information can apply for inclusion in the Registry.

The NASTF “Registry” process requires completion of a comprehensive application and submission to the NASTF Registry Administrator. The Registry is administered by the Associated Locksmiths of America (ALOA). Trade association membership is not required to be included in the Registry.

Applicants to the Registry agree to undergo a background check and abide by the Registry Terms & Conditions of Use. Details can be found on the NASTF Registry Website.

http://www.nastf.org
(or)
http://www.aloa.org/NASTFSDRMDocs/

Once you have signed up with NASTF and have a NASTF I.D. - You will be able to go to almost any automobile manufactures website and subscribe to their “tech” service as either an after-market technician or as a Locksmith security person and have access to Key Codes, BCM Code Conversions and/or Pin Codes.

Each manufacture charges a fee, except for KIA, which is free. Since subscribing to all these manufactures web sites would cost you a fortune, it would be better to pick and choose the ones you would use the most of. Remember you will need to keep ownership records of the vehicles you request information about.
BCM Conversion

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.
Infiniti - Nissan
Key Programming

2000 Nissan Altima
(with a production date before June 2000)
## Nissan 2000 Altima - System 3

- What You Need To Program Keys -

**MVP & T-CODE PRO**

<image of MVP & T-CODE PRO>

ADC151 or ADC250

<table>
<thead>
<tr>
<th>PIN</th>
<th>PRO DONGLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Pin Required</td>
<td><strong>F - Dongle - WHITE</strong></td>
</tr>
</tbody>
</table>

U.S. Patent #7315238
2000 Nissan Altima - Program Keys

- Program Keys - Program Keys - Program Keys -

**NOTE:** All current keys will be erased.

Re-program any you wish to continue to work along with any new ones.

**REMARKS:**

MVP & TCODE users:
Are you using the Special Cable for this Altima and the Nissan Adaptor?

**NOTE:**

2000 Altima’s made before June 2000 have been found to use TYPE 3 protocol.

---

### VEHICLE SELECTION

<table>
<thead>
<tr>
<th>Lincoln</th>
<th>Mercury</th>
<th>Mitsubishi</th>
</tr>
</thead>
<tbody>
<tr>
<td>NISSAN</td>
<td>LEXUS / TOYOTA</td>
<td></td>
</tr>
</tbody>
</table>

### TYPE SELECTION

<table>
<thead>
<tr>
<th>TYPE 1</th>
<th>TYPE 2</th>
<th>TYPE 3</th>
<th>TYPE 4</th>
<th>TYPE 5</th>
<th>TYPE 6</th>
</tr>
</thead>
</table>

**Please wait**

**TRYING TO COMMUNICATE**

---

### ECU IDENTIFICATION

- NATS 4 PETROL

---

### DIAGNOSTIC MENU

- ECU IDENTIFICATION
  - FAULT CODES
    - SPECIAL FUNCTIONS

**PROGRAM KEYS**

**PLEASE WAIT**

**PROCEDURE COMPLETE**

**DISCONNECT TESTER FROM VEHICLE**

**PLEASE PROGRAM IF NECESSARY**

---

**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.
Infiniti - Nissan Key Programming

Old Style Nissan Port Models Type 2 & 3

- Do not use this for 2000 Altima -
Infiniti - Nissan Old Style Port - Type 3

- What Hardware You Need -

**MVP & T-CODE PRO**

![MVP & T-CODE PRO devices](image)

**PIN**

| No Pin Required |

**PRO DONGLE**

![PRO B Dongle](image)

YOU MUST TURN ON THE IGNITION TO POWER UP THE UNIT.
**Infiniti - Nissan Old Style Port - Type 3**

- 1999 Infiniti I30 & Nissan Maxima -

- Using the Correct Key -

Bianchi, Jet, Ilco & Silca keys must be cloned first to use otherwise they will not work, at all. After-market keys can be used only if they are cloned from any original of the same type FIRST.

Factory Keys do not need anything done to them, they are ready to go.
Infiniti - Nissan Old Style Port - Type 3

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.

**ADC-118 or ADC-136**

YOU MUST TURN ON THE IGNITION TO POWER UP THE UNIT.
Infiniti - Nissan Old Style Port - Type 3

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.
Infiniti - Nissan Old Style Port - Type 3

- Program Keys - Program Keys - Program Keys -

NOTE: All current keys will be erased.

YOU MUST TURN ON THE IGNITION TO POWER UP THE UNIT.

REMINDER:
MVP & TCODE users: Are you using the Special Cable for this Altima and the Nissan Adaptor?

PROGRAMMING KEYS
PLEASE WAIT

PROGRAM KEYS
PROCEDURE COMPLETE
DISCONNECT TESTER FROM VEHICLE
PLEASE PROGRAM IF NECESSARY
PRESS ENTER KEY

VEHICLE SELECTION
LINCOLN
MERCURY
MITSUBISHI
> NISSAN
LEXUS / TOYOTA

PLEASE WAIT TRYING TO COMMUNICATE

VEHICLE SELECTION
EURO
> USA
(Always select USA)

ECU IDENTIFICATION
NATS 4 PETROL
PRESS ENTER KEY

VEHICLE SELECTION
TYPE 1
TYPE 2
> TYPE 3
TYPE 4
TYPE 5
TYPE 6

DIAGNOSTIC MENU
ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU
> PROGRAM KEYS

SWITCH IGNITION ON
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.
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 #

**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 Supercodes 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.

Note: Used remotes are re-usable, as sub can use an NI02 chip. If using an NI02 blank the rubber head would need to be shaved down to fit all the way into Ignition.

The “IMMU” Serial number is “10E80” on this car and is right on top of the barcode. Serial Number “10E80” converts to PIN “8033”.

“8033” is the PIN you would enter using the MVP or T-CODE.
The mechanical Master key slides in and out of the Remote Unit.

The Master mechanical key is the standard Nissan type 10-cut keyway, using the same code series 0001-22186.

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.
Infiniti - Nissan
Key Programming
Type 4

Use when the Applications Guide lists Nissan Type 4
Infiniti - Nissan Type 4

Hardware for *Type 4* system

**MVP & T-CODE PRO**

![MVP & T-CODE PRO](image)

ADC151 or ADC250

<table>
<thead>
<tr>
<th>PIN</th>
<th>PRO DONGLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-Digit Pin Required</td>
<td><strong>A-Black</strong> Key &amp; Prox Programming</td>
</tr>
</tbody>
</table>
Newer Infiniti-Nissan models require a PIN Code to Program keys.

Here is the breakdown for what is needed for the different systems:

• Type 4 Systems:

There are 2 types of PIN Codes needed for Infiniti-Nissan systems. Older Type 4 systems use the same PIN Code: “5523”.

The second type, which is also the newer type, requires the user to retrieve the serial number from the BCM (Body Control Module) and convert it to a PIN Code that the vehicle will accept. (See intro for information)

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 under “Type 8”. 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.

See BCM CODE READ OUT - Next 2 pages
BCM CODE READ OUT

NOTE: The BCM Code Read Out does not work on all models, because not all models had this feature from the factory.

VEHICLE SELECTION
LINCOLN
MERCURY
MITSUBISHI
> NISSAN
LEXUS / TOYOTA

VEHICLE SELECTION
EURO
> USA
(Always select USA)

VEHICLE SELECTION
TYPE 3
TYPE 4
TYPE 5
TYPE 6
TYPE 7
> TYPE 8

SWITCH IGNITION ON
PRESS ENTER KEY

PLEASE WAIT TRYING TO COMMUNICATE

ECU IDENTIFICATION
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU

READ PINCODE

BCM NUMBER: XXXXX
PRESS ENTER KEY

NOTE: If you get a BCM code that has all “FFFFF” or “12FFF” these are not good BCM codes. Make sure you have the key turned on and try again.
Infiniti - Nissan Type 4

- Program Keys - Program Keys - Program Keys -

NOTE: All current keys will be erased.
Re-program any you wish to continue to work along with any new ones.

PLEASE WAIT TRYING TO COMMUNICATE

PROGRAMMING KEYS
PLEASE WAIT

VEHICLE SELECTION
LINCOLN
MERCURY
MITSUBISHI
NISSAN
LEXUS / TOYOTA

ECU IDENTIFICATION
NATS 5
PRESS ENTER KEY

PROGRAM KEYS PROCEDURE COMPLETE
DISCONNECT TESTER FROM VEHICLE
PLEASE PROGRAM IF NECESSARY
PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
FAULT CODES
SPECIAL FUNCTIONS

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

SECURITY CODE
_ _ _ _

VEHICLE SELECTION
EURO
USA
(Always select USA)

DIAGNOSTIC MENU
PROGRAM KEYS

TYPE 1
TYPE 2
TYPE 3
TYPE 4
TYPE 5
TYPE 6
## Infiniti - Nissan Type 4

### Type 4 - PIN Code System & Location

<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>Use “Type 8” to “Read” BCM Code</td>
</tr>
<tr>
<td>ARMADA</td>
<td>2004-2006</td>
<td>Random</td>
<td>Use “Type 8” to “Read” BCM Code</td>
</tr>
<tr>
<td>FX35 /FX45</td>
<td>2004-2006</td>
<td>Random</td>
<td>Use “Type 8” to “Read” BCM Code</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>Random</td>
<td>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>Random</td>
<td>Use “Type 12” to “Read” BCM Code</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>Random</td>
<td>Use “Type 8” to “Read” BCM Code</td>
</tr>
<tr>
<td>MURANO</td>
<td>2003-2006</td>
<td>Random</td>
<td>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>Random</td>
<td>Use “Type 8” to “Read” BCM Code</td>
</tr>
<tr>
<td>QUEST</td>
<td>2004-2007</td>
<td>Random</td>
<td>Use “Type 8” to “Read” BCM Code</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>Random</td>
<td>Use “Type 8” to “Read” BCM Code</td>
</tr>
<tr>
<td>TITAN</td>
<td>2004-2007</td>
<td>Random</td>
<td>Use “Type 8” to “Read” BCM Code</td>
</tr>
<tr>
<td>VERSA</td>
<td>2007</td>
<td>Random</td>
<td>Use “Type 8” to “Read” BCM Code</td>
</tr>
<tr>
<td>350Z</td>
<td>2003-2004</td>
<td>Random</td>
<td>On BCM Box, Next to Fuse Panel</td>
</tr>
<tr>
<td></td>
<td>2005-2007</td>
<td>Random</td>
<td>Use “Type 8” to “Read” BCM Code</td>
</tr>
</tbody>
</table>
350Z PIN CODES

A PIN code is needed for Infiniti-Nissan models using a System 4 in the U.S. through 2002. This PIN code is the same (5523) on all current models through 2002.

Some new models now use a random PIN code. This is done by converting the BCM (Body Control Module) identification number to a PIN. The BCM is located next to the fuse panel. The dealer uses a software program called “ASSIST” to convert the BCM code. This new random PIN code may also be incorporated into new models as they come out.

Infiniti-Nissan models using a System 4 in the U.S. will use the standard OBD2 cable and no adapter.

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.

The 350Z uses a Random PIN Code that must be converted from the serial number on the BCM (Body Control Module), which is located next to the fuse panel on the inside driver’s side kick panel.
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.
The Murano uses a Random PIN Code that must be converted from the serial number on the BCM (Body Control Module) which is 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.
The “Security” light is in the instrument cluster.

BCM
Infiniti
FX35
FX45
The G35 uses a Random PIN Code that must be converted from the serial number on the BCM (Body Control Module), which is 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.
MVP & TCODE - PRO

Powered by ADVANCED DIAGNOSTICS USA

INFINITI / NISSAN
CAN & PROX
User’s Manual
ADS-159

(Optional Software on some TCODE Units)
MVP & TCODE - PRO

Powered by ADVANCED DIAGNOSTICS USA

INFINITI / NISSAN CAN & PROX

- What You Need To Program -

MVP & T-CODE PRO

4-Digit Pin Required

ADC151 or ADC250

PIN

PRO DONGLE

A-Black

Key & Prox Programming
INFINITI / NISSAN CAN & PROX

“TWIST” ON IGNITIONS

CAN KEYED (NON-PROX)  PUSH START BUTTON
INFINITI / NISSAN CAN KEYED

(Part of ADS-159)

Can Keyed Ignition System

(Optional Software on some TCODE Units)
The Infiniti / Nissan CAN 1 procedure is for the SENTRA & VERSA models that do NOT have PROX Remote system. There is no “Twist” knob on the ignition.

A Dealer key can be used or the after-market key.

This programming procedure is easier than the ones that have PROX remote system.

There are 3 main steps that must be carried out in precise order for success.

1 - Read BCM code from vehicle’s memory.

2 - Convert BCM Code to PIN Code.

3 - Program all new and existing keys.

The following pages will explain the procedure step-by-step. Each main step of the procedure requires the OBD2 cable to be disconnected from the vehicle before proceeding with the next step.
FIRST STEP - Read BCM Code

VEHICLE SELECTION
- LINCOLN
- MERCURY
- MITSUBISHI
- NISSAN
- LEXUS / TOYOTA

DIAGNOSTIC MENU
- IGNITION OFF
- READ BCM

PRESS ENTER KEY

VEHICLE SELECTION
- EURO
- USA

(Always select USA)

PLEASE WAIT
TRYING TO COMMUNICATE

BCM

ECU IDENTIFICATION
- BCM (CAN)

PRESS ENTER KEY

BCM

XXXXXX

DIAGNOSTIC MENU
- ECU IDENTIFICATION
- SPECIAL FUNCTIONS

DISCONNECT FROM THE OBD2 PORT.

IMPORTANT

FIRST STEP
- Read BCM Code

VEHICLE SELECTION
- TYPE 4
- TYPE 5
- TYPE 6
- TYPE 7
- TYPE 8
- TYPE 9

DISCONNECT FROM THE OBD2 PORT.

IMPORTANT
SECOND STEP - Convert BCM Code

Once you have the car's BCM serial number, you can convert it into a pin using our CODEWIZARD PC software.

We also now have an optional conversion dongle that works with MVP PRO or T-Code Pro.

A friendly dealer (if you have one) can convert them for you if they are willing or yet another option is to join N.A.S.T.F. (see next page).

The fastest way of doing it is with the ADC-198. Shown here......
THIRD STEP - Program Keys

NOTE: All current keys will be erased.
Re-program any existing along with any new ones.

ECU IDENTIFICATION
NATS 5 (CAN) KEY
PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

KEY PROGRAMMED
PRESS ENTER KEY

1 KEY -
Remove the key and re-insert and turn to the ON position.
Wait 10 seconds - the key should now be programmed.

2 or More KEYS -
For 2 or more Keys follow this procedure:
> Insert next key. Turn ignition ON for 8 seconds. Then turn off and remove key.
> Repeat for up to 4 keys.
> After the final key has been registered, re-insert and turn ON the very first key you started with and remove after 8 seconds.
This is very important to close the cycle.

DISCONNECT FROM THE OBD2 PORT.
INFINITI / NISSAN
PROXIMITY
TWIST KNOB

TYPE 9 CAN

(part of ADS-159)

(Optional Software on some TCODE Units)
Twist Knob System Components

There are 4 different electronic parts to the Infiniti / Nissan Vehicle.

1) 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.

2) Looking into the instrument cluster you will see an Indicator light for the PROX system, also known as “Intelligent Key System”.

If you push inward on the Twist knob the indicator light will turn Green if it detects a registered PROX remote.

A Red indicator light will mean that no registered PROX remotes are present.
Vehicle Components

3) As part of the PROX system there are “Access” buttons on the front door handles and on the rear hatch.

Once a PROX remote is detected close enough to the vehicle, the buttons can be used to lock or unlock the vehicle.

4) The vehicle has a “BCM” unit.

The BCM (Body Control Module) allows the programming of keys and remotes into its memory.

To program keys and remotes (PROX) you will need a PIN Code. 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.
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.

Test the PROX System

Push in on the Ignition “Twist” knob and check for the Indicator light in the instrument cluster. If the Indicator light turns Green that means there is a remote (PROX) that is within the vehicle and is already registered.

If the customer has lost their remotes (PROX) and you still get the Green indicator light - that means there is a remote hidden in the vehicle somewhere. Trying looking in the glove box, between the seats, under the seats, under the mats, in the center console, somewhere there is a remote.

If the light turns Red that means no registered PROX remotes are present. You may have one in your hand but it is not registered yet or programming failed and you must start over.
General Info Twist Knob Systems

There are 5 main steps that must be carried out in precise order for success.

1 - Read BCM code from vehicle’s memory.
2 - Convert BCM Code to PIN Code.
3 - Release Steering Lock mechanism.
4 - Program all new and existing Emergency Keys with Chip.
5 - Program Prox Remote.

A few very important ground rules to always follow when using PROX TYPE 9 are:

A - If you already have a working PROX you still need to follow the all the procedures However, You must NOT have the already programmed PROX inside the car when performing the Steering Lock Release.

The following pages will explain the procedure step-by-step.
**FIRST STEP - Read BCM Code**

**VEHICLE SELECTION**
- LINCOLN
- MERCURY
- MITSUBISHI
- NISSAN
- LEXUS / TOYOTA

**VEHICLE SELECTION**
- EURO
- USA
  - (Always select USA)

**ECU IDENTIFICATION**
- BCM (CAN)

**DIAGNOSTIC MENU**
- READ PINCODE

**VEHICLE SELECTION**
- TYPE 4
- TYPE 5
- TYPE 6
- TYPE 7
- TYPE 8
- TYPE 9

**DIAGNOSTIC MENU**
- ECU IDENTIFICATION
  - SPECIAL FUNCTIONS

**PINCODE**
- XXXXX

**VEHICLE SELECTION**
- BCM (CAN)
- NATS 5 (CAN) KEY
- NATS 5 (CAN) PROX

---

On this step, you can leave the tester plugged in and continue to the next step.
SECOND STEP - Convert BCM Code

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 cars BCM serial number you can convert it into a pin using our-CODEWIZARD PC software
OR
We also now have an optional conversion dongle that works with MVP PRO or T-Code Pro.

A friendly dealer (if you have one) can convert them for you if they are willing or yet another option is to join N.A.S.T.F. (see next page).

The fastest way of doing it is with the ADC-198.
Third Step - Release Steering Lock

1. Make sure the ignition is off.
2. Enter Ignition Off.
3. Press Enter.
4. Select ECU Identification.
5. Enter NATS 5 (CAN) Prox ECU No. CF40A.
6. Press Enter.
7. Select Diagnostic Menu.
8. Select ECU Identification > Special Functions.
10. Register Inteli Key.
11. Erase Inteli Key.
12. Security Code: __ __ __ __

In most cases you should actually hear the Steering Lock Mechanism release.

Important: Disconnect from the OBD2 port before proceeding to Step 4.

Note: Always select USA.

Vehicle Selection:
- Lincoln
- Mercury
- Mitsubishi
- NISSAN
- Lexus / Toyota

Vehicle Selection:
- Euro
- USA (Always select USA)

Vehicle Selection:
- Type 5
- Type 6
- Type 7
- Type 8
- Type 9
- Type 10

Vehicle Selection:
- BCM (CAN)
- NATS 5 (CAN) Key
- NATS 5 (CAN) Prox

InfiniTI / Nissan Type 9 CAN Proximity Twist Ignition
**VEHICLE SELECTION**

**INFINITI / NISSAN**

- LINCOLN
- MERCURY
- MITSUBISHI
- NISSAN
- LEXUS / TOYOTA

**VEHICLE SELECTION**

- EURO
- USA

(Always select USA)

**VEHICLE SELECTION**

- TYPE 5
- TYPE 6
- TYPE 7
- TYPE 8
- TYPE 9
- TYPE 10

**ECU IDENTIFICATION**

- NATS 5 (CAN) KEY

**DIAGNOSTIC MENU**

- ECU IDENTIFICATION
- FAULT CODES
- SPECIAL FUNCTIONS

**PROGRAM KEYS**

**SECURITY CODE**

_ _ _ _

**FOURTH STEP - Program Keys**

**NOTE:** All current keys will be erased.

Re-program any you wish to continue to work along with any new ones.

---

**1 KEY** -
Remove the key and re-insert and turn to the ON position. Wait 10 seconds - the key should now be programmed.

---

**2 or More KEYS** -
For 2 or more keys follow this procedure:

> Insert next key. Turn ignition ON for 8 seconds. Then turn off and remove key.

> Repeat for up to 4 keys.

> After the final key has been registered, re-insert and turn ON the very first key you started with and remove after 8 seconds. This is very important to close the cycle.
**FIFTH STEP - Program PROX Remote**

1. **ECU IDENTIFICATION**
   - ECU NO. CF40A

2. **PRESS ENTER KEY**

3. **DIAGNOSTIC MENU**
   - ECU IDENTIFICATION
   - SPECIAL FUNCTIONS

4. **REGISTER INTELI KEY**
   - Press the LOCK button on the PROX Remote. Only press the Lock Button for a half second. If you hold down the Lock button longer waiting for a response of some type the procedure will fail. If this happens you need to repeat this step and vary your timing until the RKE is stored.

5. **REMOTE STORED**
   - PRESS ENTER KEY

6. **REGISTER INTELI KEY**
   - To register more PROX Remotes, press the ENTER button and Select REGISTER INTELI KEY.

7. **PRESS ENTER KEY**

8. **REGISTER INTELI KEY**
   - INSERT PROGRAMMED MECHANICAL KEY IGNITION ON

9. **PRESS ENTER KEY**

10. **REGISTER INTELI KEY**
    - Up to 4 PROX Remotes can be programmed into the vehicle.

Make sure the ignition is off.

Insert an emergency key, that you have already programmed into the ignition and turn to the ON position.

(Always select USA)

Up to 4 PROX Remotes can be programmed into the vehicle.
INFINITI / NISSAN PROX TYPE 10

(part of ADS-159)

Use when the Applications Guide Lists Nissan Type 10

(Optional Software on some TCODE Units)
There are 4 main steps that must be carried out in precise order for success.

1 - Read BCM code from vehicle’s memory.

2 - Convert BCM Code to PIN.

3 - Release Steering Lock mechanism.

4 - Program Prox Remote.

A few very important ground rules to always follow when using TYPE 10 are:

A - Make sure to have only 1 Prox inside the car at any time during programming. Keep all others at least 10 feet away from the car.

B - If you already have a working PROX you still need to follow all the procedures start to finish. However, You must NOT have the already programmed PROX inside the car when performing the Steering Lock Release.

The following pages will explain the procedure step-by-step.
INFINITI-NISSAN Factory PROX & Keys

285E3-JK600
2007 G35 4-Door Models
PROX Remote

285E3-JA000
2007 Altima Model
PROX Remote

Some parts numbers have changed. Always check with the dealer and by VIN for exact match.

HO564-JA00A
2007 G35 4-Door Models
2007 Altima Model
Emergency Key for PROX Remote

Some parts numbers have changed. Always check with the dealer and by VIN for exact match.

Also known as “Intelligent Key System”
Vehicle Components

There are 4 different electronic parts to the Infiniti / Nissan Vehicle.

1) The car has a “PUSH” Button to start the engine instead of a mechanical ignition.

The PUSH Button ignition has four position: OFF, ACC, ON & Start.

2) As part of the PROX system, there are “Access” buttons on the front door handles and on the rear hatch.

Once a PROX remote is detected close enough to the vehicle, the buttons can be used to lock or unlock the vehicle.
3) Looking into the instrument cluster you will see an Indicator light for the PROX system, also known as “Intelligent Key System”.

During programming, you will need to wait for the light to blink 5 times after inserting the PROX.
Vehicle Components

4) The PROX Slot for the PROX Remote to slide into is located on the lower left side of the dash.

The PROX Remote is held into the Slot by 2 small openings on the side.
START Button

**LOCK** Position

**ACC** Position

**ON** Position
FIRST STEP - Read BCM Code

Insert the new PROX Remote into the PROX Slot.

VEHICLE SELECTION
- LINCOLN
- MERCURY
- MITSUBISHI
- > NISSAN
- LEXUS / TOYOTA

VEHICLE SELECTION
- EURO
- > USA
  (Always select USA)

VEHICLE SELECTION
- TYPE 5
- TYPE 6
- TYPE 7
- TYPE 8
- TYPE 9
- > TYPE 10

DIAGNOSTIC MENU
- ECU IDENTIFICATION
  > SPECIAL FUNCTIONS

DIAGNOSTIC MENU
- > READ BCM CODE
  STEERING LOCK RELEASE

PRESS ENTER KEY

On this step, you can leave the tester plugged in and continue to the next step.
SECOND STEP - Convert BCM Code

Once you have the cars BCM serial number you can convert it into a pin using our CODEWIZARD PC software.

We also now have an optional conversion dongle that works with MVP PRO or T-Code Pro.

A friendly dealer (if you have one) can convert them for you if they are willing or yet another option is to join N.A.S.T.F. (see next page).

The fastest way of doing it is with the ADC-198. Shown here.......
THIRD STEP - Release Steering Lock

You will need the PINCODE, also known as the SECURITY CODE, from the converted BCM Code in step 2.

IMPORTANT -------->
DISCONNECT FROM THE OBD2 PORT BEFORE PROCEEDING TO STEP 4
FOURTH STEP - Program PROX Remote

Vehicle Selection
- Lincoln
- Mercury
- Mitsubishi
- Nissan
- Lexus / Toyota

Select USA (Always select USA)

Select BCM (CAN)
- NATS 5 (CAN) PROX

Select ECU No.
- JK60A

Diagnostic Menu
- Register INTELI Key

Security Code
- _ _ _ _

IS CODE CORRECT
OK=ENTER     CLEAR=BACK

Register INTELI Key

Make sure the PROX Remote is in the PROX Slot.
Press the START Button until it is in the “ON” position.

Fourth Step
1. TURN THE PRO OFF.
2. GO TO THE NEXT PAGE
   FOLLOW THE PROCEDURE CAREFULLY.
FOURTH STEP - Program PROX Remote

Make sure to always have only 1 PROX in the car at a time.....
Keep any others at least 10 feet away.

If programming **1 PROX REMOTE ONLY:**

- Remove the PROX from the slot. This will switch the car OFF.
- Re-insert the PROX & Press the START Button to the ON position.
- The theft light on the instrument cluster should blink 5 times and then go out.
- Remove the PROX again this will switch the car OFF.
- Re-insert the PROX into the slot.
- Press the START Button to the ON position. Wait 5 seconds. The theft light should now be out.
- Remove the PROX and test the RKE buttons on the PROX. (They should now work).
- Press the brake pedal and press the START button until the car starts. You are all finished.

If programming **2 OR MORE PROX REMOTES:**

- Remove the PROX from the slot. This will switch the car OFF.
- Re-insert the PROX & Press the START Button to the ON position.
- The theft light on the instrument cluster should blink 5 times and then go out.
- Remove the PROX again this will switch the car OFF.
- Insert the NEXT PROX into the slot.
- Press the START Button to the ON position. The theft light on the instrument cluster should blink 5 times and then go out.
- If you have more PROX to program, up to 4 Max. repeat the last two steps for each PROX.
- The final step is to Insert the 1st PROX you started with & Press the START Button to the ON position. Wait 5 seconds. The theft light should now be out.
- Remove the PROX and test the RKE buttons on each PROX. (They should now work).
- Press the brake pedal and press the START button until the car starts. You are all finished.

**NOTE:** If the PROX remotes did not program - you must start over from the beginning.
INFINITI / NISSAN
TYPE 12

(part of ADS-159)

Use when the applications guide lists TYPE 12

(Optional Software on some TCODE Units)
**General Characteristics**

There are **5** main steps that must be carried out in precise order for success.

1. Read BCM code from vehicle’s memory.
4. Program new and/or existing Transponder ID’s in the Prox Remotes.
5. Program Prox Remote(s).

**A few very important ground rules to always follow when using TYPE 12 are:**

**A** - Make sure to have only 1 Prox inside the car at any time during programming. Keep all others at least 10 feet away from the car.

**B** - If you already have a working PROX you still need to follow all the procedures. However, You must **NOT** have the already programmed PROX inside the car when performing the Steering Lock Release.

**The following pages will explain the procedure step-by-step.**
INFINITI / NISSAN PROX

INFINITI Factory PROX & Keys

‘06-’07 M35 / M45 Models

HO564-JA00A
‘06-’08 M35 / M45 Models
Emergency Key for PROX Remote

Some parts numbers have changed. Always check with the dealer and by VIN for exact match.

‘06-’07 M35 / M45 Models

285E3-EH10D
‘06-’08 M35 / M45 Models
PROX Remote

Some parts numbers have changed. Always check with the dealer and by VIN for exact match.
Vehicle Components

> The car has a “PUSH” Button to start the engine instead of a mechanical ignition.

The PUSH Button ignition has four positions: OFF, ACC, ON & Start.

> The OBD 2 Port is located on the lower left side of the dash, near the Hood release.

> During programming, you will watch for the light to blink 5 times.

> The PROX Remote Key Slot is located on the lower left side of the dash.
START Button
2006 - 2008 M35 / M45

LOCK Position

ACC Position

ON Position
**FIRST STEP - Read BCM Code**

1. **Insert the new PROX Remote into the PROX Slot.**
2. Make sure to turn on the “Hazard” lights - also known as the Emergency Flashers.
3. Make sure the Ignition is off.

**DIAGNOSTIC MENU**
- #1. BCM READ
- #2. STEERING RELEASE
- #3. REGISTER I-KEY
- #4. ERASE RKE FUNCTIONS
- #5. PROGRAM RKE FUNCTIONS

**BCM SERIAL NUMBER**
- 4B892
  (This is an example)

**PLEASE WAIT TRYING TO COMMUNICATE**

**VEHICLE SELECTION**
- > INFINITI
  - JAGUAR
  - LINCOLN
  - MERCURY
  - MITSUBISHI

**ECU IDENTIFICATION**
- NATS I-KEY

**HAZARDS ON / IGNITION OFF**

**INFINITI / NISSAN PROX Type 12 Push Button**

**ECU IDENTIFICATION**
- NATS I-KEY

**DIAGNOSTIC MENU**
- > SPECIAL FUNCTIONS

**PRESS ENTER KEY**
SECOND STEP - Convert BCM Code

Once you have the cars BCM serial number you can convert it into a pin using our CODEWIZARD PC software.

We also now have an optional conversion dongle that works with MVP PRO or T-Code Pro.

A friendly dealer (if you have one) can convert them for you if they are willing or yet another option is to join N.A.S.T.F. (see next page).

The fastest way of doing it is with the ADC-198. Shown here......
### THIRD STEP - Release Steering Lock

**VEHICLE SELECTION**

<table>
<thead>
<tr>
<th>&gt; INFINITI</th>
<th>JAGUAR</th>
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</thead>
<tbody>
<tr>
<td>LINCOLN</td>
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<tr>
<td>MITSUBISHI</td>
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**VEHICLE SELECTION**

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<th>TYPE 8</th>
<th>TYPE 9</th>
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<td>TYPE 10</td>
<td>TYPE 11</td>
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<tr>
<td>&gt; TYPE 12</td>
<td>NISSAN 2009</td>
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</tbody>
</table>

**HAZARDS ON / IGNITION OFF**

- PRESS ENTER KEY

**ECU IDENTIFICATION**

- NATS I-KEY
- PRESS ENTER KEY

**DIAGNOSTIC MENU**

- ECU IDENTIFICATION
- > SPECIAL FUNCTIONS

---

**DIAGNOSTIC MENU**

- **#1. BCM READ**
- **#2. STEERING RELEASE**
- **#3. REGISTER I-KEY**
- **#4. ERASE RKE FUNCTIONS**
- **#5. PROGRAM RKE FUNCTIONS**

**SECURITY CODE**

| _ _ _ _ |

**STEER LOCK RELEASE**

- KEYS NOT AVAILABLE WILL BE DELETED
- PRESS ENTER KEY

If there are any existing Prox Remotes that are not programmed back into the vehicle they will be deleted.

**STEER LOCK RELEASE**

- SWITCH HAZARD LIGHTS ON
- INSERT KEY
- PRESS ENTER KEY

The Hazard Lights should still be on from when you ‘Read’ the BCM Number. If not - turn them on.

Insert the Prox Remote into the slot.

---

**STEER LOCK RELEASE**

- PRESS ‘START’ BUTTON
- DID YOU HEAR STEERING COLUMN CLICK
- PRESS ENTER KEY

**STEER LOCK RELEASE**

- SUCCESSFUL
- PRESS ENTER KEY

---

**STEER LOCK RELEASE**

- HAZARDS ON / IGNITION OFF
- INSERT KEY
- PRESS ENTER KEY

The Hazard Lights should still be on from when you ‘Read’ the BCM Number. If not - turn them on.

Insert the Prox Remote into the slot.
FOURTH STEP - Program Chip in PROX Remote

DIAGNOSTIC MENU

#1. BCM READ
#2. STEERING RELEASE
#3. REGISTER I-KEY
#4. ERASE RKE FUNCTIONS
#5. PROGRAM RKE FUNCTIONS

SECURITY CODE

4 6 8 2
(example)

PROGRAM KEY

INSERT KEY: #1
SWITCH IGNITION ON
SECURITY INDICATOR
SHOULD FLASH 5 TIMES

PRESS ENTER KEY

NOTE KEY INSERTED
IS KEY #1
MAX. 4 KEYS ALLOWED
SWITCH IGNITION ON

PLEASE WAIT
TRYING TO COMMUNICATE

PRESS ENTER KEY

PROGRAM KEY

SWITCH IGNITION OFF
REMOVE KEY

PRESS ENTER KEY

PROGRAM KEY

SWITCH IGNITION OFF
REMOVE KEY

PRESS ENTER KEY

PROGRAM KEY

DO YOU WANT TO
PROGRAM MORE KEYS

PRESS ENTER KEY

SECURITY CODE

 X  

If you are only programming 1
Prox Remote - tap the X.
If you have more - tap the ✓
symbol.

The above steps must be
followed even though they
are repeated. The vehicle will
only learn the primary Prox
Remote after it has been in
the Learning Slot 3 times.
FIFTH STEP - Program Wireless for PROX Remote

1. BCM READ
2. STEERING RELEASE
3. REGISTER I-KEY
4. ERASE RKE FUNCTIONS
5. PROGRAM RKE FUNCTIONS

Program RKE

Switch Ignition Off

Insert Programmed I-Key into Slot

Switch Ignition On

Program RKE

Do you want to program more RKE

NOTE:
If you are having problems programming Prox Remotes on any Infiniti or Nissan remember to always check that you are using the right Remote for the Vehicle and that you have the right year of the vehicle.

Check the 10th digit from the left on the 17 digit VIN plate for the year.

Also - You can always start over from the beginning at Steering Lock Release and move forward through the sequences.

This is very important, only press the Lock Button for a half second. If you hold down the Lock button longer waiting for a response of some type the procedure will fail.

If this happens you need to repeat this step and vary your timing until the RKE is stored.

NOTE:
If you are having problems programming Prox Remotes on any Infiniti or Nissan remember to always check that you are using the right Remote for the Vehicle and that you have the right year of the vehicle.

Check the 10th digit from the left on the 17 digit VIN plate for the year.

Also - You can always start over from the beginning at Steering Lock Release and move forward through the sequences.

If you are only programming 1 Prox Remote - tap the X.

If you have more - tap the ✔ symbol.

NOTE:
If you are having problems programming Prox Remotes on any Infiniti or Nissan remember to always check that you are using the right Remote for the Vehicle and that you have the right year of the vehicle.

Check the 10th digit from the left on the 17 digit VIN plate for the year.

Also - You can always start over from the beginning at Steering Lock Release and move forward through the sequences.

This is very important, only press the Lock Button for a half second. If you hold down the Lock button longer waiting for a response of some type the procedure will fail.

If this happens you need to repeat this step and vary your timing until the RKE is stored.

NOTE:
If you are having problems programming Prox Remotes on any Infiniti or Nissan remember to always check that you are using the right Remote for the Vehicle and that you have the right year of the vehicle.

Check the 10th digit from the left on the 17 digit VIN plate for the year.

Also - You can always start over from the beginning at Steering Lock Release and move forward through the sequences.

If you are only programming 1 Prox Remote - tap the X.

If you have more - tap the ✔ symbol.
Optional STEP - Erase Existing PROX Remote’s

**VEHICLE SELECTION**

- INFINITI
- JAGUAR
- LINCOLN
- MERCURY
- MITSUBISHI

**DIAGNOSTIC MENU**

- #1. BCM READ
- #2. STEERING RELEASE
- #3. REGISTER I-KEY
- #4. ERASE RKE FUNCTIONS
- #5. PROGRAM RKE FUNCTIONS

**VEHICLE SELECTION**

- TYPE 8
- TYPE 9
- TYPE 10
- TYPE 11
- TYPE 12
- NISSAN 2009

**ERASE RKE**

SWITCH IGNITION ON

PRESS ENTER KEY

ALL existing Prox Remotes that are not programmed back into the vehicle will be deleted.

**HAZARDS ON / IGNITION OFF**

PRESS ENTER KEY

**ECU IDENTIFICATION**

- NATS I-KEY

PRESS ENTER KEY

**DIAGNOSTIC MENU**

- ECU IDENTIFICATION
- SPECIAL FUNCTIONS

**ERASE RKE**

PROCEDURE COMPLETE

PRESS ENTER KEY
NISSAN 2009
(ADS-169)

Use only on
ALTIMA HYBRID

(Optional Software on some TCODE Units)
**FIRST STEP - Read BCM Code**

Insert the new PROX Remote into the PROX Slot.

**VEHICLE SELECTION**
- LINCOLN
- MERCURY
- MITSUBISHI
- NISSAN

**ECU IDENTIFICATION**
- NATS HYBRID I-KEY

**DIAGNOSTIC MENU**
- ECU IDENTIFICATION
  - #1. BCM READ
  - #2. STEERING RELEASE
  - #3. REGISTER I-KEY

**VEHICLE SELECTION**
- TYPE 8
- TYPE 9
- TYPE 10
- TYPE 11
- NISSAN 2009

**DIAGNOSTIC MENU**
- #1. BCM READ
  - #2. STEERING RELEASE
  - #3. REGISTER I-KEY

**BCM SERIAL NUMBER**
- 4B892
  - (This is an example)

Make sure to turn on the “Hazard” lights - also known as the Emergency Flashers.
Make sure the Ignition is off.

HAZARDS ON / IGNITION OFF

PRESS ENTER KEY
SECOND STEP - Convert BCM Code

Once you have the cars BCM serial number you can convert it into a pin using our CODEWIZARD PC software.

We also now have an optional conversion dongle that works with MVP PRO or T-Code Pro.

A friendly dealer (if you have one) can convert them for you if they are willing or yet another option is to join N.A.S.T.F. (see next page).

The fastest way of doing it is with the ADC-198. Shown here......
NISSAN 2009

THIRD STEP - Release Steering Lock

DIAGNOSTIC MENU

#1. BCM READ
#2. STEERING RELEASE
#3. REGISTER I-KEY

SECURITY CODE

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The Hazard Lights should still be on from when you ‘Read’ the BCM Number. If not - turn them on.

Insert the Prox Remote into the slot.

If there are any existing Prox Remotes that are not programmed back into the vehicle they will be deleted.

SECURITY CODE

4 6 8 2
(example)

X ✓

X ✓

If there are any existing Prox Remotes that are not programmed back into the vehicle they will be deleted.

ENSURE ALL DOORS ARE CLOSED

PRESS ENTER KEY

PRESS ENTER KEY

PRESS ENTER KEY
**FOURTH STEP - Program (I-KEY) PROX Remote**

### Diagnostic Menu
- #1. BCM Read
- #2. Steering Release
- #3. Register I-Key

### Security Code
- 4 6 8 2

#### Choose
- X

### Register Inteli Key
- Please Wait

#### Start Engine to Complete Procedure

### Note:
- If you are having problems programming Prox Remotes on any Infiniti or Nissan, remember to always check that you are using the right Remote for the Vehicle and that you have the right year of the vehicle.
- Check the 10th digit from the left on the 17 digit VIN plate for the year.
- Also - You can always start over from the beginning at Steering Lock Release and move forward through the sequences.
SPECIAL PROGRAMMING INSTRUCTIONS FOR
2011-2012 NISSAN LEAF

On the NISSAN LEAF System there are 4 main steps that must be carried out in precise order for success.

1 - Read BCM code from vehicle's memory.
2 - Convert BCM Code to PIN Code.
3 - Release Steering Lock mechanism.
4 - Program all new and existing PROX Keys.

A few very important ground rules to always follow when using these special instructions for LEAF.

A - If you already have a working PROX you still need to follow all the procedures. However, You must NOT have the already programmed PROX inside the car when performing the Steering Lock Release.

The following pages will explain the procedure step-by-step.
On the LEAF there is no Learning Slot.
The START button is the Learning area.

Use your Smart Card

Make sure to turn on the “Hazard” lights - also known as the Emergency Flashers.
Make sure the Ignition is off.

USE ADC-198 DONGLE TO CONVERT THE BCM CODE TO A 4-DIGIT PIN #.

2011-2012 LEAF WILL USE THE 2009> CONVERSION.
SECOND STEP - Convert BCM Code

Once you have the cars BCM serial number you can convert it into a pin using our CODEWIZARD PC software.

We also now have an optional conversion dongle that works with MVP PRO or T-Code Pro.

A friendly dealer (if you have one) can convert them for you if they are willing or yet another option is to join N.A.S.T.F. (see next page).

The fastest way of doing it is with the ADC-198. Shown here.......
THIRD STEP - Steering Lock Release

We have Read the BCM.
We converted the BCM ID to the PIN code using the ADC-198 Dongle.
The next step is to release the steering lock using the PRO.

If there are any existing Prox Remotes that are not programmed back into the vehicle they will be deleted.

STEEER LOCK RELEASE
ENSURE ALL DOORS ARE CLOSED
INSERT KEY
PRESS ENTER KEY

STEER LOCK RELEASE
DID YOU HEAR STEERING COLUMN CLICK

On the LEAF models the Steering Lock release is not audible. You don’t have to hear it work - press the button to continue.

On the LEAF there is no Learning Slot.
The START button is the Learning area.

SECURITY CODE

1 2 3 4 5
6 7 8 9 10

SECURITY CODE
4 6 8 2
(example)

KEYS NOT AVAILABLE WILL BE DELETED
PRESS ENTER KEY

The Hazard Lights should still be on from when you 'Read' the BCM Number.
If not - turn them on.

DID YOU HEAR STEERING COLUMN CLICK

We have Read the BCM.
We converted the BCM ID to the PIN code using ADC-198.
We went through the procedure for the Steering Lock Release.
The NEXT and FINAL step is to program the Prox Fobs.

SEE NEXT PAGE
Make sure to always have only 1 PROX in the car at a time.....
Keep any others at least 10 feet away.

> Hold the 1st PROX that you want to PROGRAM up to the START /STOP BUTTON.

> Hold it up so that the buttons on the PROX Remote are facing you.

> Use the NISSAN LOGO end of the PROX to PRESS THE START/STOP BUTTON once briefly.
( Press it only once & Do not hold it down!)

> The dashboard should illuminate and the SECURITY THEFT INDICATOR LIGHT on the dashboard should BLINK 5 TIMES.

If the dash does not light up this may be because you are trying to use an incorrect PROX part for this car. Check the part numbers as many “look” the same but are different.

> PRESS THE START/STOP BUTTON once again briefly. This should turn the vehicle to OFF.

> If you want to program more PROX remotes REPEAT the previous 3 steps with ADDITIONAL PROX remotes you want to program, (up to to 4 PROX fobs maximum).

> Hold the 1st. PROX & hold it up to the START/STOP button ( again orient the PROX holding the Nissan emblem end close to the button).

> PRESS THE START/STOP BUTTON once and the dashboard should turn on.

> PRESS THE START/STOP BUTTON once again briefly. This should turn the vehicle to OFF.

Watch dashboard carefully during the NEXT STEP.....

> Hold the 1st. PROX up to the button and the press the LOCK (RKE) button on the PROX REMOTE ONCE. The car should lock and the security light on the dash should go solid. There should be a white “message box” in the center of the dash that says “I=KEY System Fault”, this should blink 5 times and go out.

> Test PROX. You should be all finished.

NOTE: If the PROX remotes did not program - you must start over from the beginning.
On this System there are 4 main steps that must be carried out in precise order for success.

1 - Read BCM code from vehicle’s memory.

2 - Convert BCM Code to PIN Code.

3 - Release Steering Lock mechanism.

4 - Program all new and existing PROX Keys.

A few very important ground rules to always follow when using these special instructions for

➢ If you already have a working PROX you still need to follow the all the procedures

➢ You must NOT have the already programmed PROX inside the car when performing the Steering Lock Release.

The following pages will explain the procedure step-by-step.
**FIRST STEP - Read BCM Code**

**VEHICLE SELECTION**
- LINCOLN
- MERCURY
- MITSUBISHI
- NISSAN
- LEXUS / TOYOTA

**ECU IDENTIFICATION**
- BCM (CAN)

**ON THIS STEP, YOU CAN LEAVE THE TESTER PLUGGED IN AND CONTINUE TO THE NEXT STEP.**

**DIAGNOSTIC MENU**
- ECU IDENTIFICATION
- SPECIAL FUNCTIONS

**ON THIS STEP, YOU CAN LEAVE THE TESTER PLUGGED IN AND CONTINUE TO THE NEXT STEP.**
SECOND STEP - Convert BCM Code

Once you have the car's BCM serial number, you can convert it into a pin using our CODEWIZARD PC software.

We also now have an optional conversion dongle that works with MVP PRO or T-Code Pro.

A friendly dealer (if you have one) can convert them for you if they are willing or yet another option is to join N.A.S.T.F. (see next page).

The fastest way of doing it is with the ADC-198. Shown here......
### Third Step - Release Steering Lock

<table>
<thead>
<tr>
<th>VEHICLE SELECTION</th>
<th>ECU IDENTIFICATION</th>
<th>SECURITY CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>TYPE 5</td>
<td>BCM (CAN)</td>
<td>_ _ _ _</td>
</tr>
<tr>
<td>TYPE 6</td>
<td></td>
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<tr>
<td>TYPE 7</td>
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<td>TYPE 8</td>
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<tr>
<td>TYPE 9</td>
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<tr>
<td>&gt; TYPE 10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SECURITY CODE</td>
<td>X X X X</td>
<td></td>
</tr>
<tr>
<td>PRESS ENTER KEY</td>
<td></td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>VEHICLE SELECTION</th>
<th>DIAGNOSTIC MENU</th>
<th>SECURITY CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt; BCM (CAN)</td>
<td>ECU IDENTIFICATION</td>
<td>X X X X</td>
</tr>
<tr>
<td>NATS 5 (CAN) PROX</td>
<td>&gt; SPECIAL FUNCTIONS</td>
<td></td>
</tr>
<tr>
<td>PRESS ENTER KEY</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>DIAGNOSTIC MENU</th>
<th>STEER LOCK RELEASE</th>
</tr>
</thead>
<tbody>
<tr>
<td>IGNITION OFF</td>
<td>SUCCESS</td>
</tr>
<tr>
<td>PRESS ENTER KEY</td>
<td></td>
</tr>
</tbody>
</table>

**Special Instructions**

- **Third Step** - Release Steering Lock

- **Vehicle Selection**
  - Type 5
  - Type 6
  - Type 7
  - Type 8
  - Type 9
  - > Type 10

- **ECU Identification**
  - BCM (CAN)

- **Security Code**
  - _ _ _ _

- **Diagnostic Menu**
  - ECU Identification
  - > Special Functions

- **Ignition Off**
  - Press Enter Key

- **Diagnostic Menu**
  - Read BCM
  - > Steering Lock Release

- **Steering Lock Release**
  - Success
  - Press Enter Key

- **Please Wait**
  - Trying to Communicate

- **Please Wait**
  - Trying to Communicate

- You will need the PINCODE, also known as the Security Code, from the converted BCM Code. We have Read the BCM.

- We converted the BCM ID to the PIN code using ADC-198.

- We went through the procedure for the Steering Lock Release.

The NEXT and FINAL step is to program the Prox Fobs.

SEE NEXT PAGE
FOURTH STEP - Program the Prox Remotes

> Hold the 1st PROX that you want to PROGRAM up to the START /STOP BUTTON.

> Hold it up so that the buttons on the PROX Remote are facing you.

> Use the Nissan / Infiniti Logo end of the PROX to PRESS THE START/STOP BUTTON once briefly. (Press it only once & do not hold it down)

> The dashboard should illuminate and the SECURITY THEFT INDICATOR LIGHT on the dashboard should BLINK 5 TIMES.

> PRESS THE START/STOP BUTTON once again briefly. This should turn the vehicle to OFF.

> Press the UNLOCK button on the PROX Remote once. The car locks should respond.

> If you want to program more PROX remotes REPEAT the previous 3 steps (up to to 4 PROX fobs maximum).

> Hold the 1st. PROX up to the START/STOP button (again orient the PROX holding the Nissan / Infiniti emblem end close to the button).

> PRESS THE START/STOP BUTTON once and the dashboard should turn on.

> PRESS THE START/STOP BUTTON once again. This should turn the vehicle to OFF.

> Hold the 1st. PROX up to the button & press the brake pedal on the car down and PRESS THE START/STOP BUTTON until the car starts.

> PRESS THE START/STOP BUTTON to turn the car to OFF.

> Open and Close the Drivers Door of the car. The Orange Key indicator on the dash should blink five times and go out.

> Test PROX. You should be all finished.

Troubleshooting Tips:

1. If the PROX remotes did not program start over from the beginning.

2. If the dash does not light up when pressing & holding the PROX Remote up to the START/STOP BUTTON following a Steering Lock Release this may be because you are trying to use an incorrect PROX part for this car. Check the part numbers as many “look” the same but are different.
2013

INFINITI - NISSAN

(ADS-197)

- 2013 Nissan ALTIMA
- 2013 Nissan PATHFINDER
- 2013 Infiniti JX-35

20-DIGIT PIN CODE IS REQUIRED.

(Optional software on TCODE PRO units)
### OVERVIEW

**MVP & TCODE PRO**

- **ADC250** or **ADC151**

<table>
<thead>
<tr>
<th>PIN</th>
<th>DONGLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>ROLLING 20-DIGIT OUT-CODE / IN-CODE DEALER or NASTF ONLY</td>
<td><strong>G–Tan</strong></td>
</tr>
</tbody>
</table>

Also Requires Smart Card

Or

Advanced Diagnostics Web Challenge / Response
If Pro is not SMC enabled.
SEE WWW.ADUSA.US FOR INFO

---

414 Advanced Diagnostics USA Manual for MVP & TCODE PRO – Copyright 2014 Advanced Diagnostics USA INC.
2013 PROX 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. IE 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 2013 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.

> The maximum number of keys that the cars memory will hold is 4 total.

> The procedure shown here programs the PROX Fobs to start the car and operate the RKE. Make sure that the battery is good in the PROX remote.

> 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.
**FIRST STEP - Get 20-Digit Out-Code from Car**

**VEHICLE SELECTION**
- LINCOLN
- MERCURY
- MITSUBISHI
- NISSAN
- LEXUS / TOYOTA

**VEHICLE SELECTION**
- AUS
- EURO
- USA
- PIN CODE CONVERTOR
  - (Always Select USA)

**VEHICLE SELECTION**
- TYPE 9
- TYPE 10
- TYPE 11
- TYPE 12
- TYPE 13
- NISSAN 2009

Use your Smart Card

**ECU IDENTIFICATION**
Part No. 3TA0Cad

**DIAGNOSTIC MENU**
- ECU IDENTIFICATION
- > SPECIAL FUNCTIONS

**DIAGNOSTIC MENU**
- > PROGRAM PROX

**WARNING**
ALL KEYS WILL BE ERASED
DO YOU WANT TO CONTINUE

**IMMOBILIZER RESET REQUEST**
A064-C456-A235-4555-FFC3
20-Digit Out-Code
Use to obtain In-Code from NASTF or DEALER
PRESS ENTER KEY

**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 A OUT-CODE (PIN CODE) FROM NISSAN.

If you have start 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
SECOND STEP - Obtain In-Code from NISSAN

NISSAN SERVICE INFORMATION

Security Professional Transaction Entry Form

Please enter the following information:

VIN:
Security Professional Name:
Customer Name:
Name on the vehicle registration:
License Plate number:
State of License Plate:
LSID:
LSID Pass Code:
Product:
Immobilizer PIN:

Enter VIN Here
Enter Your Name Here
Enter Your Customers Name Here
Please select a state
FTV45755

Immobilizer Reset Request
1234567891011111111

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.
THIRD STEP - Steering lock Release

**ENTER IN-CODE**

A064-C456-A235-4555-

Use the touch screen to enter the IN-CODE that you obtained from Nissan.

Be careful to enter it correctly...

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<tr>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
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<tr>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>0</td>
</tr>
</tbody>
</table>

**ENTER IN-CODE**

A064-C456-A235-4555-

Use the Key Pad arrows to change the characters from numbers to letters.

A B C D E F G H I J

**ENTER IN-CODE**

A064-C456-A235-4555-FFC3

Check to Enter X to Go Back

If you have entered the code correctly press ✓

To go back press ✗

**PROGRAM PROX**

WARNING: DO NOT PRESS THE BRAKE PEDAL

PRESS & HOLD THE START / STOP BUTTON UNTIL THE IGNITION SWITCHES ON

PRESS ENTER

- Press & hold down the button as shown in the pictures above.
- Release the button once the dashboard lights up and the light on the button illuminates.
- This should take only a few seconds.
- Once it turns on do not switch it off until the PRO instructs you to.

GO TO THE NEXT STEPS ON THE NEXT PAGE TO COMPLETE PROGRAMMING
FOURTH STEP - Program PROX Fobs

PROGRAM PROX

PLEASE WAIT

This should take about 5 Seconds.

PRESS START / STOP BUTTON TO SWITCH IGNITION TO OFF

DO NOT HOLD THE BUTTON DOWN

Simply press it firmly once and release it. The ignition should switch to OFF

PRESS ENTER KEY

There is no programming slot. The PROX are held up to the button as shown. Follow the instructions below carefully!

- Make sure to use the logo end of the PROX as shown in the photo to press the Start/Stop button.
- Press the button only once and do not hold it down.
- Watch for the security light to **blink 5 times**
- If the light does not blink there is a problem with the PROX you are trying to use.

Continued on next page >
FOURTH STEP - *Program PROX Fobs- cont’d*

**PROGRAM PROX**
- PRESS START / STOP BUTTON TO SWITCH IGNITION TO OFF
- PRESS ENTER KEY

**PRESS THE START / STOP BUTTON ONCE TO OFF.**
- DO NOT HOLD IT DOWN!

**PROGRAM PROX**
- PLEASE WAIT
- Once again
  - This should take about 5 Seconds.

**PROGRAM PROX**
- 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.

Continued on next page >
**FINAL STEP - Exit the programming mode**

**PROGRAM PROX**
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.

Press enter key

Press the start / stop button once to switch the ignition off.

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.
TROUBLESHOOTING

> The In-Code has not been accepted by the car.

> Disconnect and start over.

> 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.

Either it’s the wrong PROX part number for this system or it’s a PROX that’s “Locked” (Already programmed to another car.)

Please be advised:

AD Tech Support cannot help with obtaining Pin Codes!