



T-CODE

User's Manual

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T-CODE USA

Please Read this Notice:

- The T-Code device is a sensitive piece of computerized equipment. Failure to follow the correct procedure for programming may result in damaging the device. This may be considered “Neglect” and is not covered under warranty.

- No diagnostic device is perfect. There are always going to be vehicles that cannot be programmed for one reason or another, here are some reasons:
 - > Damaged or “Shorted” Engine Control System.
 - > Flood Damaged.
 - > Attempted Theft or Repossession.
 - > Damaged Immobiliser Induction Coil or Computer.
 - > Wrong Key Blank being used.
 - > Wrong Adaptor Use or Wrong Cable Use.
 - > Wrong Software Selection.
 - > Incorrect Year, Make & Model of Vehicle.

For the latest news you will always find it at our website: www.TCODEUSA.com

Software listed in this manual is not on all machines as not everyone has purchased all software available.

Be aware of the software on your machine and then you will know what vehicles you can do.

ASP Tech Support telephone number: 650 - 616 -1941 (Fax) 650-875-0123

ASP Tech Support Address: TCODE TECH SUPPORT
180-B SOUTH SPRUCE AVE
SOUTH SAN FRANCISCO, CA 94080

ASP Main Office Address: ASP, Inc.
P.O. BOX 10
REDMOND, WA 98073-0010

ASP Main Office telephone number: 425 - 556 - 1900 (Fax) 425-558-1905

Vehicle Finder

Vehicle Finder

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Vehicle Finder

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Vehicle Finder

Vehicle Finder

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350 Z ('03-'05)	(Use Standard ADC110 Cable and NO Adaptor for these models)			

General Operation

KEYPAD & BUTTONS



Key button is used for ENTER and CONTINUE operations.



Key button is used for EXIT and going BACKWARDS selections.



Key buttons used for UP and DOWN movement of selection.

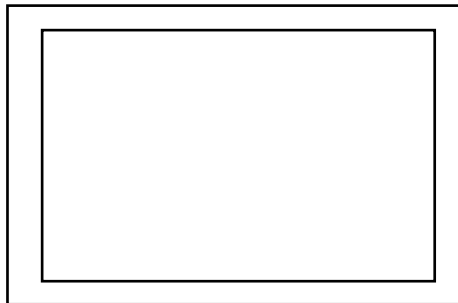


Number keys for entering codes and number selection.

General Operation

CONTRAST ADJUSTMENT

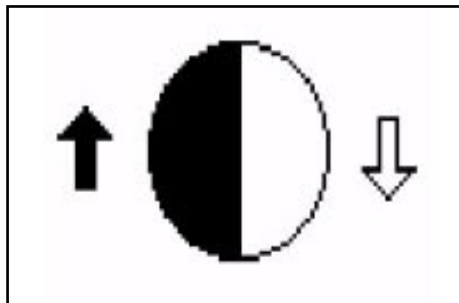
The screen will cycle between dark and light every 8 to 12 seconds, and will stop as soon as a key is pressed. Hold the UP or DOWN arrow for several seconds to adjust the contrast, then press the ENTER key when finished



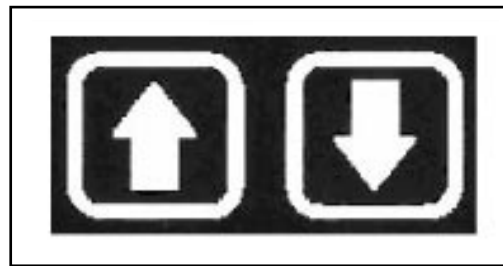
Too Light



Too Dark



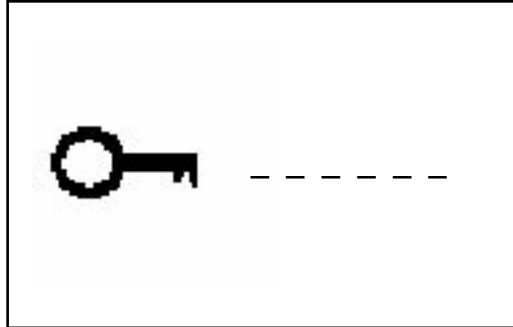
Correct



Hold **Down** Button to Lighten
Hold **Up** Button to Darken

The screen will cycle between dark and light every 8 to 12 seconds, and will stop as soon as a key is pressed. Hold the UP or DOWN arrow for several seconds to adjust the contrast, then press the ENTER key when finished

PASSWORD OPERATION



To stop unauthorized access, the unit is fitted with a password system which is required to perform certain operations such as Immobiliser programming etc.

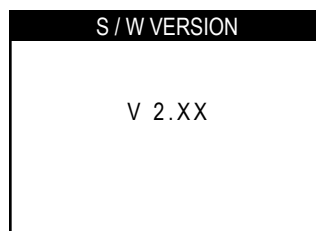
If the password is entered incorrectly 4 times the software will automatically erase from the unit.

The protection system is also used to protect unauthorized copying of update software. If there are any problems with password operation or with software update, then the unit must be returned to ASP Tech Support.

SOFTWARE VERSION NUMBER

To determine the Software Version Number of the current software loaded onto to your T-Code, plug in your T-Code and enter your password.

As soon as you have entered the correct password the Version Number will appear for 2 seconds. There is also a menu selection for checking your version number.





T-CODE USA

General Operation

PRECAUTIONS

1. The T-Code USA is an electronic piece of equipment, and although designed for hostile environments it should not be exposed to excessive sunlight, 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. When performing road tests, use a second person to operate the T-Code USA.
5. Keep clear of all moving objects when near engine compartment.
6. Ignition circuits generate high voltages, extra precautions and care should be observed when diagnosing these systems.
7. Incorrect connections may damage sensitive electronic devices fitted to the vehicle.
8. Keep the unit away from spark plugs and coil leads to avoid measurement errors.
9. DO NOT disconnect any wiring harnesses or electronic component while ignition is ON.
10. DO NOT disconnect battery while engine is running.
11. Before any work is carried out, consult the Vehicle Manufacturers recommended procedures to ensure any work is carried out in accordance with their instructions.
12. Before any work is carried out, consult the Vehicle Manufacturers warranty specifications to ensure any work is carried out in accordance with their instructions.



Update Instructions for T-CODE USA

Internet & CD



General Update Instructions for T-CODE USA



Update Cable

+



T-CODE

+



PC Computer

The update for your T-Code is carried out through the use of a Windows based computer with Windows 98, ME, 2000, XP and a Com Port.

1) Connect the 9-Pin Serial port connector to your Com Port on your Windows based computer. If you do not have an available Com Port on your computer, you will have to use a computer that has one available.

A Com Port is a 9 pin port connection on the back of your computer. The Com Port is also known as a Serial Port. The Com Port has 2 rows of pins, not 3. If you see a Port on the back of your computer with 3 rows of pins - that is a monitor port, not a Com Port.

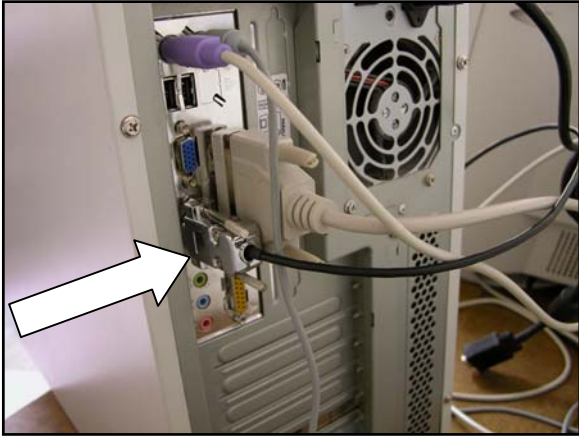


2) Connect the 110AC power supply to a suitable outlet.

3) Connect the 25-Pin connector to your T-Code unit and enter your password to get you to the main menu. Do not touch any buttons on the T-Code while it is updating.

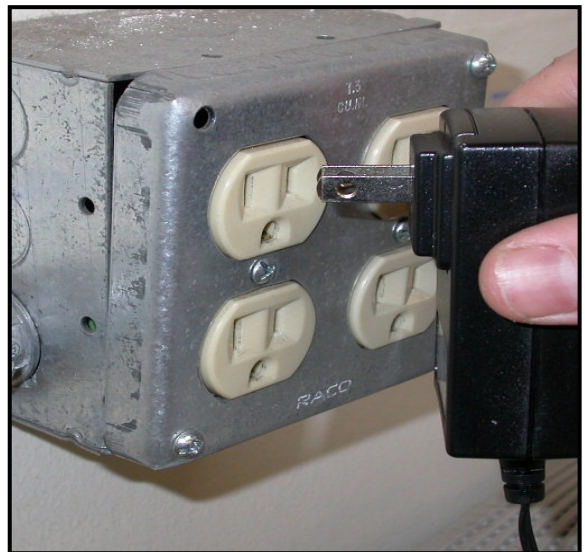
Sorry, we cannot offer technical assistance on how to use your computer. If you are unable to update your T-Code yourself, we can do it for you for a service fee of \$35 plus shipping.

Update Instructions for T-CODE USA



Connect the 9-Pin Serial port connector to your Com Port on your Windows based computer.
If you do not have an available Com Port on your computer, you will have to use a computer that has one available.

Plug in the update cable to a suitable 110AC power supply outlet.



Connect the 25-Pin connector to your T-Code unit and enter your password to get you to the Main menu.

Do not touch any buttons on the T-Code while it is updating.

Use the following Instructions for updating from the Internet

www.TCODEUSA.com Updating Your T-Code

There are 2 steps to updating your T-Code:

The first step is to download the "Loader" software from our website if you do not already have it.

Click the "How to Update your TCode from the Internet" on our website at www.tcodeusa.com. Once the Loader software is installed on you computer - it is the vehicle for which your T-Code software is transferred to your T-Code.

You will prompted to open or save the software to the hard disk on your computer - Save the software file to your computer - make a note of the location it is saved to.

After the software has downloaded you will be prompted again to Open the file - go ahead and open the file to start the installation of the Loader software.



Once you have finished the installation of the Loader software there should be a new T-Code Loader Icon on your Windows Desktop (screen).

The second step is to have an open connection to the Internet. If you have high speed like DSL or Cable Internet than you connection is always on.

If you have a dial up connection - you must already be on the Internet to start the update process. If you have AOL - you must be "dialed up" to AOL before you try to update your T-Code.

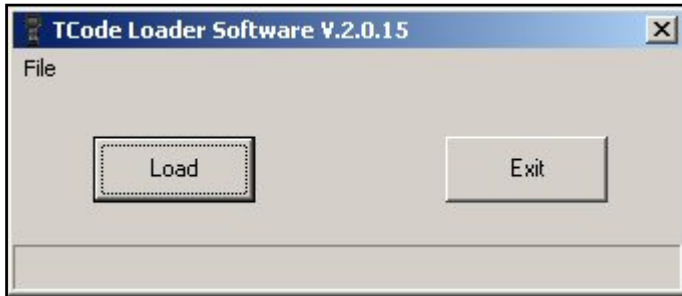
- Make sure the 9-Pin Serial port connector to your COM Port on your Windows based computer.
- Connect the 110AC power supply to a suitable outlet.
- Connect the 25-Pin connector to your T-Code unit and enter your password to get you to the "Main" menu on the TCode screen. Do not touch any buttons on the T-Code while it is updating.



1) Double click the TCode Loader Icon that should now be on your Windows Desktop (screen).

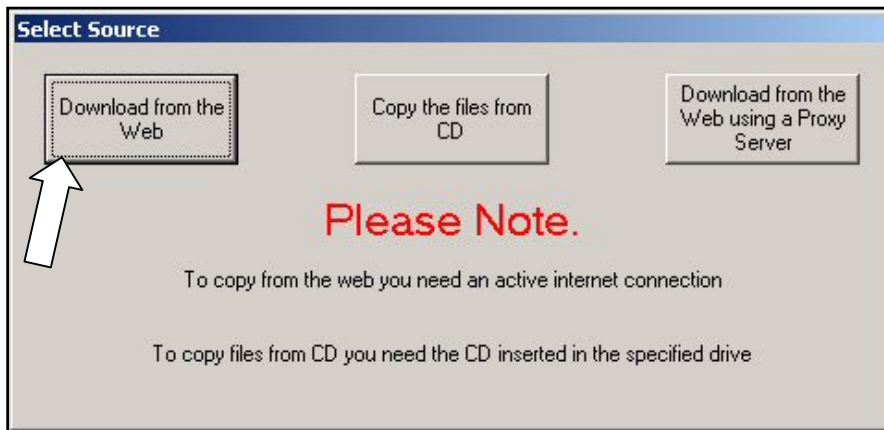
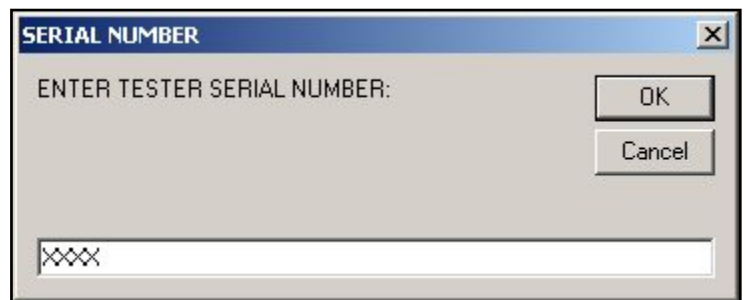
Use the following Instructions for updating from the Internet

Continued...



2) Click the Load button.

3) You will be prompted to enter the serial number to your T-Code, Next, enter the Password to your T-Code.



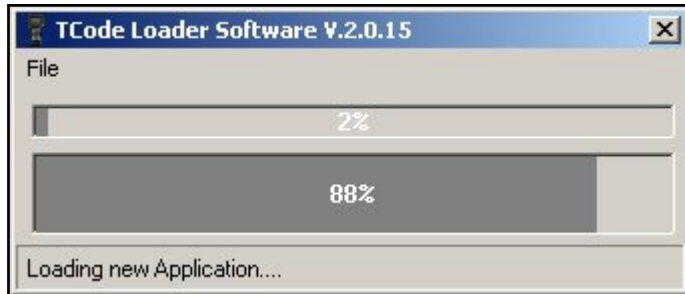
4) Next, click the button for "Download from the Web", turn off any Firewalls that may prevent you from accessing the site.

5) The Loader software program will now go to our website and find the software for your T-Code unit. Two files will be downloaded to your computer.



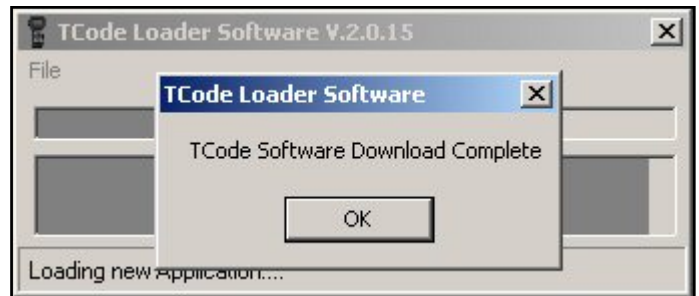
Use the following Instructions for updating from the Internet

Continued...



The update process should begin and take about 10 minutes.

Do not touch the computer until the loader software indicates it is done with the update transfer. Click OK when done - before you disconnect your T-Code unit.

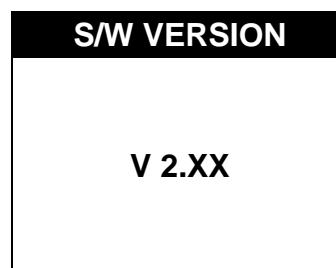


Note: During the update process - you may notice that the Loader program shows a version number of 2.0.7 or higher, this is the version number for the Loader program ONLY - It is not the version number of the software being loaded onto your T-Code unit even though it may seem similar.

TCODE USA Software Version

To determine the Software Version Number of the current software loaded onto to your T-Code, plug in your T-Code and enter your password.

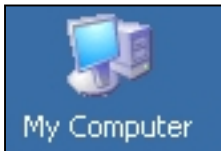
As soon as you have entered the correct password the Version Number will appear for 2 seconds.



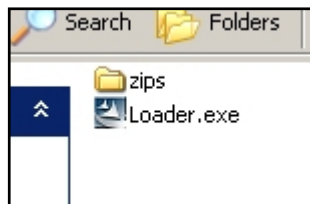
Instructions for updating with TCODE USA Update CD



1) Insert the T-Code update CD into the primary CD-Rom drive of your computer.



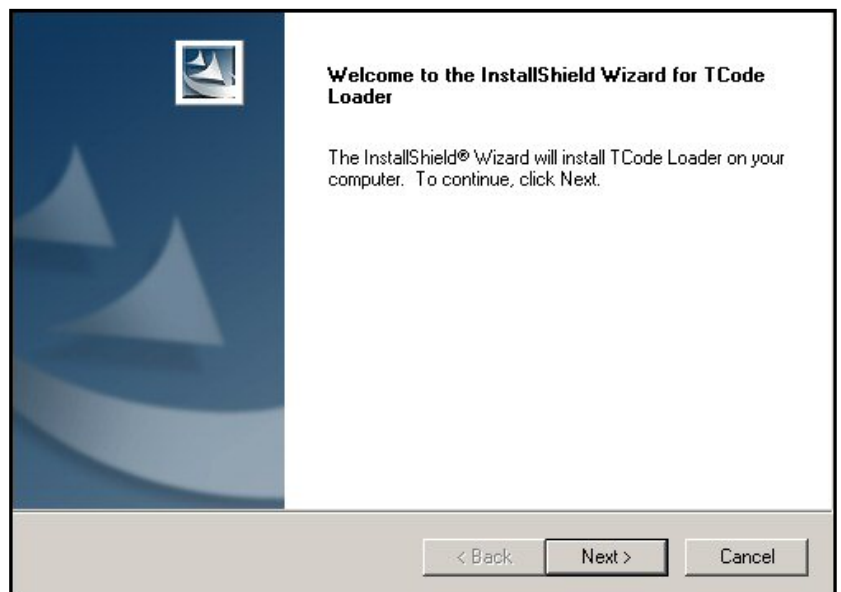
2) Double-Click on the “My Computer” Icon and double-click the CD drive where you have inserted the T-Code Disc.



3) Double-Click on the “Loader.exe” file to install the Loader program that will transmit the new update to your T-Code machine after it is installed.

The program that will install the Loader should now appear.

Follow the prompts to install the Loader software.

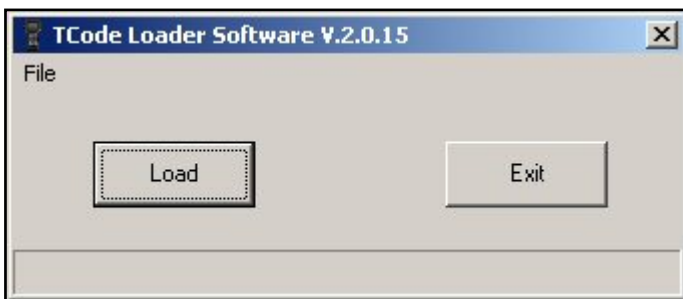


Instructions for updating with TCODE USA Update CD

Continued...

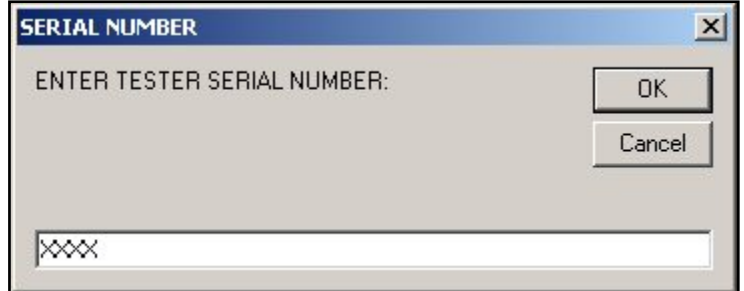


1) Double click the TCode Loader Icon that should now be on your Windows Desktop (screen).

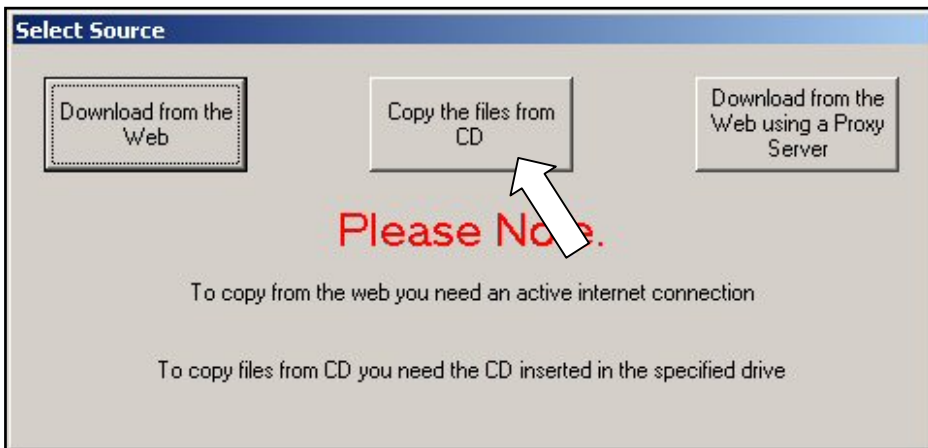


2) Click the Load button.

3) You will be prompted to enter the serial number to your T-Code, Next, enter the Password to your T-Code.

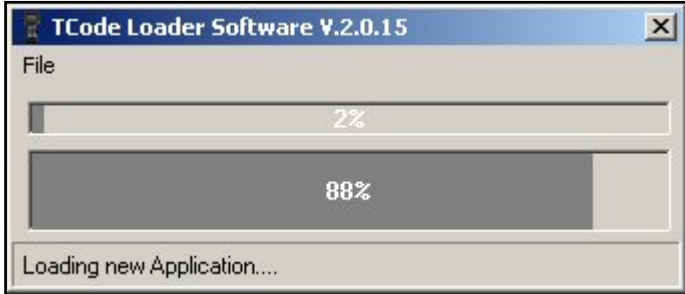


4) Next, click the button for "Copy the files from CD".



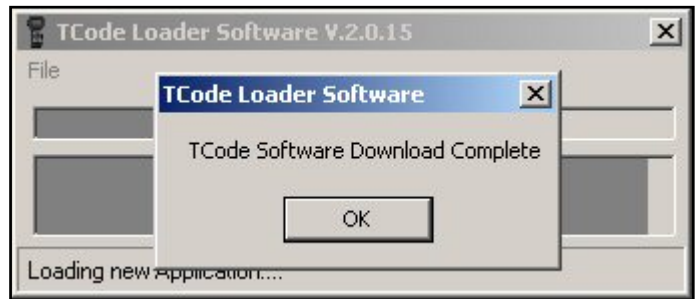
Instructions for updating with TCODE USA Update CD

Continued...



The update process should begin and take about 10 minutes.

Do not touch the computer until the loader software indicates it is done with the update transfer. Click OK when done - before you disconnect your T-Code unit.

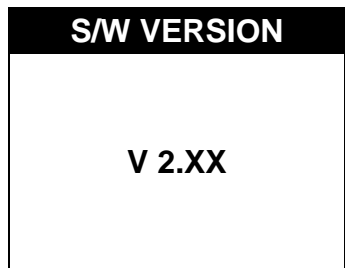


Note: During the update process - you may notice that the Loader program shows a version number of 2.0.7 or higher, this is the version number for the Loader program ONLY - It is not the version number of the software being loaded onto your T-Code unit even though it may seem similar.

TCODE USA Software Version

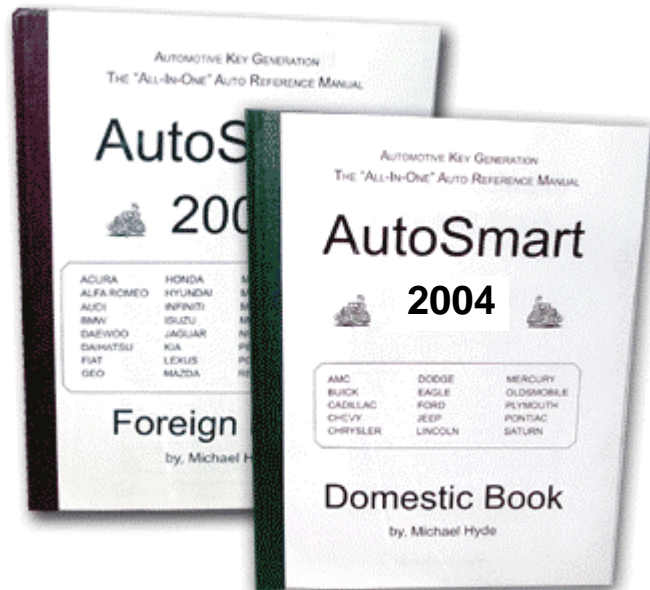
To determine the Software Version Number of the current software loaded onto to your T-Code, plug in your T-Code and enter your password.

As soon as you have entered the correct password the Version Number will appear for 2 seconds.



Products also available from ASP, Inc.

AutoSmart Domestic & Foreign Book Set



Automotive Transponder Systems Book





NOTES





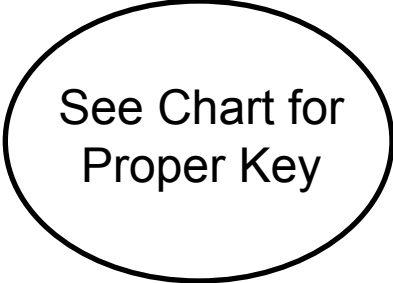
Audi - Volkswagen

Key Programming

Audi - Volkswagen

Audi - Volkswagen

- What You Need To Program Keys -

T-CODE	ADC110 Cable
	
PIN	Proper Key
4 Digit Pin	
NO Adapter Needed	



Audi - Volkswagen

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 be programmed with the other keys.

General Operation

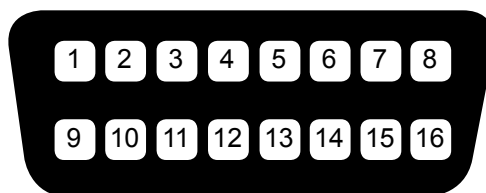
AUDI - VOLKSWAGEN WARNING

Some cases of internal damage to the T-CODE 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 immobiliser) 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 T-CODE it will fail to communicate and can end up permanently damaged.

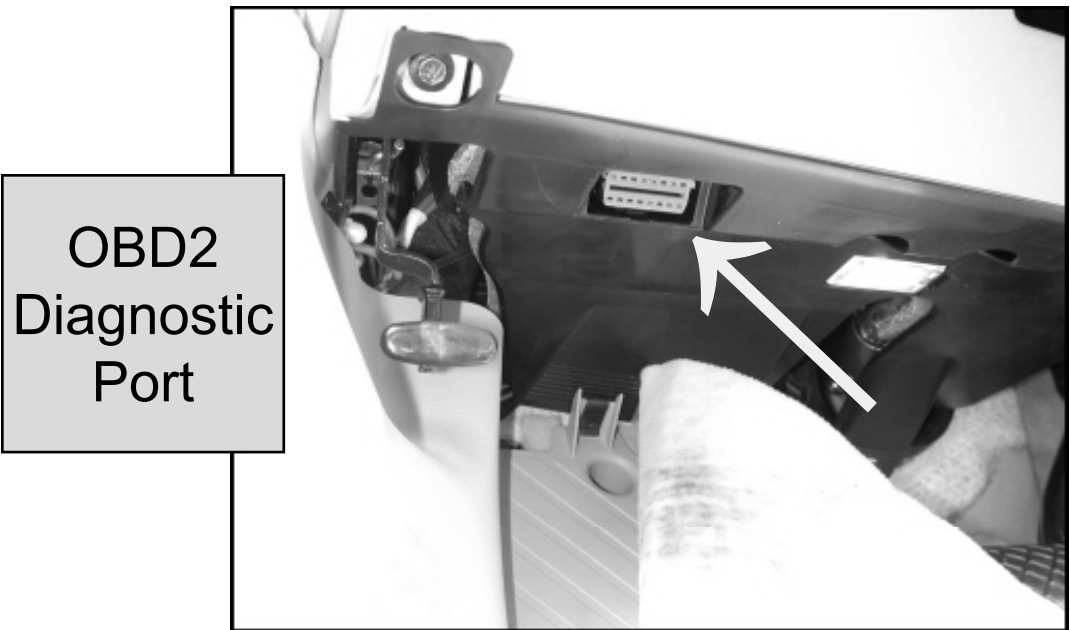
To test for this problem on vehicles later than 1996, either use a multimeter carry out the following:

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 T-CODE, 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 T-CODE, however if it illuminates then you have a wiring fault to the radio **DO NOT CONNECT THE T-CODE!!!**



4 = Ground
7 = "K" Line
15 = "L" Line
16 = +12volt

Audi - Volkswagen



An important note to remember is that Audi - VW models in the U.S. need a PIN Code to complete key programming. The PIN Code is derived from the Immobilizer Serial Number contained in the ECU and the VIN.

T-CODE will display the Immobilizer Serial Number (ISN for short) and then it will be up to you to get the PIN Code from the dealer. It is a good idea to have a working relationship with your local dealer in order to obtain the PIN Codes when necessary for key programming. Some dealers are more friendly than others.

Here are a couple of examples of the ISN (Immobilizer Serial Number):

Audi Example: "AUZ7Z0A1951188", "AUZ4Z0Y2348611"

Volkswagen Example: "VWZ7Z0A1951188", "VWZ4Z0Y2348611"

For our example we will be using an Audi A6.

First we need to connect the OBD2 cable from *T-CODE* to the OBD2 port under the dash on this Audi A6. The port is easy to get to and on this car it is to the lower left of the steering column.

T-CODE USA

Audi - Volkswagen After-Market Keys



AUDI	MODEL YEAR	CROSS REFERENCE KEYBLANK
A4	2002-2004	HU67-PHT or HU66T6
A6	2001-2004	HU67-PHT or HU66T6
A8	2001-2002	HU67-PHT or HU66T6
T T	mid-2002-2004	HU67-PHT or HU66T6
VOLKSWAGEN		
BEETLE	2000-2004	HU67-PHT or HU66T6
CABRIO	2000-2003	Dealer Key Only
EUROVAN	2001-2003	Dealer Key Only
GOLF	2000-2004	HU67-PHT or HU66T6
JETTA	2000-2004	HU67-PHT or HU66T6
PASSAT	2001-2004	HU67-PHT or HU66T6

Do not use ILCO AU66-PT5, HU66T5 or JET HU66-PHT, HU66-N-PHT, these keys will not work on U.S. Models.



T-CODE USA

Audi - Volkswagen

PIN CODE EXPLANATION PAGE

Audi - VW models in the U.S. need a 4 number PIN Code to complete key programming. The PIN Code is derived from the Immobilizer Serial Number contained in the ECU.

The Immobilizer Serial Number (ISN for short) can be retrieved with a *T-CODE* machine easily. Simply connect the machine to the OBD2 port to retrieve the ISN. Then it will be up to you to get the PIN Code from the dealer.

It is a good idea to have a working relationship with your local dealer in order to obtain the PIN Codes when necessary for key programming. Some dealers are more friendly than others.

Here are a couple of examples of the ISN (Immobilizer Serial Number):

Audi Example 1: "AUZ7Z0A1951188" - Example 2: "AUZ4Z0Y2348611"

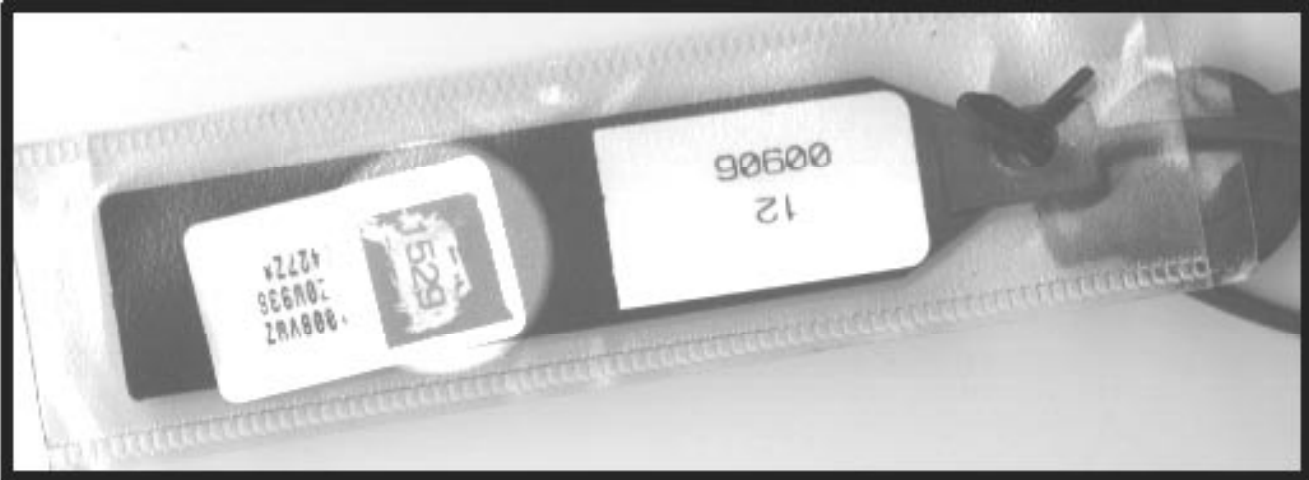
Volkswagen Example 1: "VWZ7Z0A1951188" - Example 2: "VWZ4Z0Y2348611"

On March 11, 2002, Audi & Volkswagen dealerships were locked out of their old way to produce 4-Digit PIN codes for key programming. The factory has changed to a new system which now requires the entry of a 7-Digit PIN code and a WSC (Work Shop Code) number.

This new system has forced dealerships and third party repair shops to update their software and/or equipment. The vehicles will still accept the 4-Digit PIN code, the system to obtain the PIN code has changed not the car.

T-CODE Owners can call Tech Support for a conversion or request the software to convert their own. *T-CODE* Technical Support (650-616-1941), You will need the following when you call Tech Support: 1) 7-Digit PIN, 2) Dealer Code (aka: Work Shop Code), 3) Date the PIN was retrieved by the dealer.

Audi - Volkswagen



KEYPASS CODE

The key code required to program new keys is shown below. The code is located behind a small scratch off label, similar to a prize scratchcard. Once scratched off it should reveal a 4 digit pin code required to code new keys.

On the latest vehicles the 4 digit code is not supplied with the vehicle and the dealers use a 7 digit code which has the 4 digit hidden within it. This means that a conversion is required which the VW dealers will not help with. New software now allows the code to be read from the vehicles memory (on certain models), and overcomes some of these problems.

ENGINE IDENTIFICATION

To ensure the correct car pass has been supplied, the ECU identification or the 14 digit code is displayed when first connected. This should be cross checked against the code supplied with the key passcode.



Audi - Volkswagen

SYSTEM IDENTIFICATION

To identify the correct system, check to see whether the Dashboard has the following symbol when the ignition is on :



SYSTEM 1 : DOES NOT HAVE THE SYMBOL

SYSTEM 2 : DOES HAVE THIS SYMBOL

Please note if the incorrect system is selected you will get one of the following messages :



Audi - Volkswagen

FAULT CODE OPERATION

VEHICLE SELECTION

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

DIAGNOSTIC MENU

ECU IDENTIFICATION
> FAULT CODES
SPECIAL FUNCTIONS

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.



VEHICLE SELECTION

> IMMOBILISER
PLIP FUNCTIONS
AUTO GEARBOX
PROGRAM ECU

DIAGNOSTIC MENU

> READ FAULT CODES
CLEAR FAULT CODES

PRESS ENTER KEY

DISPLAY FAULT CODES

NO FAULTS FOUND

PRESS ENTER KEY

VEHICLE SELECTION

SYSTEM 1
SYSTEM 2

Depending on how many fault codes are set, will depend on how many screens are displayed, however two examples are shown below.

To Clear Fault Codes, select it from the Menu, as shown below.

SYSTEM 1 has no Security "CAR" symbol in the dash.

SYSTEM 2 has a blinking Security "CAR" symbol in the dash.

DISPLAY FAULT CODES

FAULT CODE: 1176
KEY
SIGNAL TOO LOW
CURRENT FAULT

PRESS ENTER KEY

DIAGNOSTIC MENU

READ FAULT CODES
> CLEAR FAULT CODES

PRESS ENTER KEY

SWITCH IGNITION ON

PRESS ENTER KEY

DISPLAY FAULT CODES

FAULT CODE: 1176
KEY
SIGNAL TOO LOW
HISTORIC FAULT

PRESS ENTER KEY

CLEAR FAULT CODES

PROCEDURE COMPLETE

PRESS ENTER KEY

Audi - Volkswagen

PROGRAMMING KEYS

VEHICLE SELECTION

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

DIAGNOSTIC MENU

IMMO-IDENTNR
: VWZ7Z0W049
5589

SECURITY CODE



VEHICLE SELECTION

> IMMOBILISER
PLIP FUNCTIONS
AUTO GEARBOX
PROGRAM ECU

NOTE : This is the 14 digit code required by the dealer to obtain the 7 digit security access code. Only the dealer can give you the security code.

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.

VEHICLE SELECTION

SYSTEM 1
SYSTEM 2

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

PRESS ENTER KEY

SECURITY CODE

X X X X

IS THIS CORRECT
OK=ENTER CLEAR=BACK

SYSTEM 1 has no Security "CAR" symbol in the dash.

SYSTEM 2 has a blinking Security "CAR" symbol in the dash.

NOTE : To program keys select "Special Functions" from the menu.

PLEASE WAIT
TRYING TO COMMUNICATE

SWITCH IGNITION ON

PRESS ENTER KEY

DIAGNOSTIC MENU

> PROGRAM KEYS

PRESS ENTER KEY

Continued on next page....

Audi - Volkswagen

PROGRAMMING KEYS

Correct PIN Code

PROGRAMMING KEYS
ACCESS GAINED

If the code is correct the TCODE will display "Access Gained"
Enter the number of keys for programming.

KEYS PROGRAMMED: X
TOTAL KEYS REQUIRED:

PROGRAMMING KEYS
TOTAL KEYS REQUIRED: X

PRESS ENTER KEY

PLEASE PROGRAM
ADDITIONAL KEYS

PRESS ENTER KEY

Wrong PIN Code

PROGRAMMING KEYS
ACCESS DENIED

If the code is WRONG the TCODE will display "Access Denied". You will need to get the correct PIN Code for the vehicle.

Programming Procedure for 2 keys or more:

1. The Key already in the ignition will now be programmed, ie. 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 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.



T-CODE USA

Audi - Volkswagen

AUTOMATIC TRANSMISSION MODELS

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

```

```

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

```

```

VEHICLE SELECTION
IMMOBILISER
PLIP FUNCTIONS
> AUTO GEARBOX
  PROGRAM ECU

```

```

SWITCH IGNITION ON

PRESS ENTER KEY

```

```

DIAGNOSTIC MENU
ECU IDENTIFICATION
> FAULT CODES

PRESS ENTER KEY

```

```

DISPLAY FAULT CODES

NO FAULTS FOUND

PRESS ENTER KEY

```

No Faults are found, you are done, disconnect your T-Code from the OBD2 port

```

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

```



T-CODE USA

Audi - Volkswagen

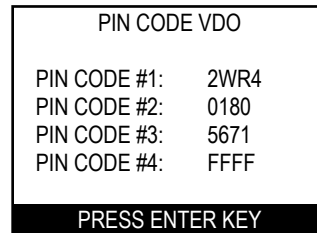
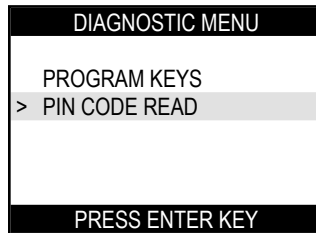
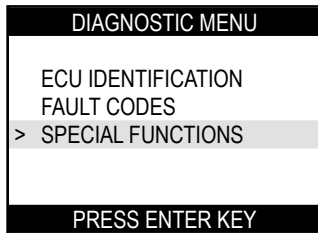
PIN CODE READ

Pin code reading is possible only on certain vehicles, and will depend on what dashboard components are fitted.

NOTE : The Pin code reading will not work on any System 1 vehicles.

A guide to the vehicle list that we have had success on is shown below, but we cannot guarantee success on all vehicles as many vehicle vary depending on country of manufacture and specification.

NOTE : Additional models & models years are under development and may be added at a later date.



Only the models listed below are supported under the PIN Code Read function.

Note: Results with letters in them are not valid Pin Codes.
Any Results with "0180" or "0340" are not valid Pin Codes.

AUDI	MODEL YEAR
A6	2001
VOLKSWAGEN	
GOLF	2000-2001
JETTA	2000-2001

 T-CODE USA



1997-2001 Cadillac Catera Key Programming

Cadillac Catera

Cadillac Catera

- What You Need To Program Keys -

T-CODE	ADC110 Cable
	
PIN	Proper Key
<p>4 Digit Pin</p> <p>from Cadillac Roadside or the Dealer.</p>	

NO Adapter Needed



T-CODE USA

Cadillac Catera

Mar 23, 13:11EST General Motors TTY6 (13:12) Page 1 of 1

KEY CODE FAX

Dealer: 01001 Date: 03/23/02

VIN Number : W06VR52R7WR142422

Ignition Key : 1566

Trunk Key : 1566

VATS : 9743

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 Cadillac Roadside. It will display as the VATS code, when in reality it is the PIN code.

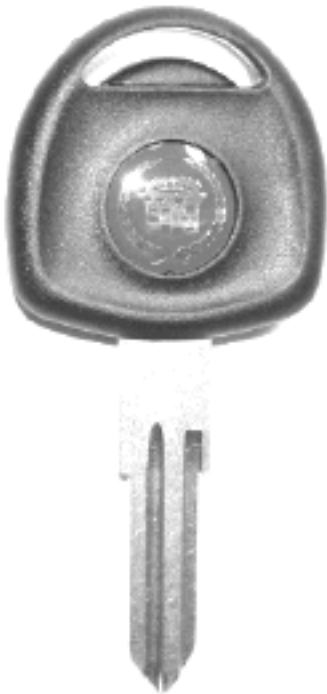
If the wrong password is entered, the process is interrupted. After 3 attempts the ECU will lock and becomes blocked for 10 minutes, you must leave the key ON during this period.

It is a good idea to have a working relationship with your local dealer in order to obtain the PIN Codes when necessary for key programming. Some dealers are more friendly than others.

Cadillac Catera

Example:

First we need to connect the *T-CODE* to the OBD2 port under the dash on this Catera. The port is easy to get and on this car, it is to the lower left of the steering column.



A Dealer key is required.

No ILCO or JET keys can be used.



T-CODE USA

Cadillac Catera

ERASE/CLEAR ALL KEYS

VEHICLE SELECTION

ACURA
 > CADILLAC
 CHRYSLER
 DODGE
 FORD USA

DIAGNOSTIC MENU

ECU IDENTIFICATION
 FAULT CODES
 LIVE DATA
 > SPECIAL FUNCTIONS

PRESS ENTER KEY

SECURITY CODE

X X X X

IS CODE CORRECT
 OK=ENTER CLEAR=BACK



VEHICLE SELECTION

> CATERA

DIAGNOSTIC MENU

> CLEAR KEYS
 PROGRAM KEYS
 READ PINCODE

ACCESS GAINED

SWITCH IGNITION ON

PRESS ENTER KEY

SWITCH IGNITION OFF
 AND THEN PRESS ENTER

ERASING KEYS

ERASING KEY: 1
 ERASING KEY: 2
 ERASING KEY: 3
 ERASING KEY: 4
 ERASING KEY: 5

PLEASE WAIT
 TRYING TO COMMUNICATE

NOTE :
 You will need a Security Code
 from the Dealer or from
 Cadillac Roadside.

NOTE: After the keys are
 Cleared/Erased- you will be
 returned to the Key Menu.
 Now you will need to program
 keys.

ECU IDENTIFICATION

ECU NO: AA 90532624
 KEY NO: S1650
 VIN: W06VR52R4WR189289

PRESS ENTER KEY

SECURITY CODE

DIAGNOSTIC MENU

> CLEAR KEYS
 PROGRAM KEYS
 READ PINCODE

Cadillac Catera

PROGRAM KEYS

VEHICLE SELECTION

ACURA
 > CADILLAC
 CHRYSLER
 DODGE
 FORD USA

DIAGNOSTIC MENU

CLEAR KEYS
 > PROGRAM KEYS
 READ PINCODE

PROGRAMMING KEYS

INSERT NEW KEY



VEHICLE SELECTION

> CATERA

NOTE: To program keys you must first Clear all keys.

Once that is done, you can now Program Keys.

SWITCH IGNITION ON
 AND THEN PRESS ENTER

SWITCH IGNITION ON

PRESS ENTER KEY

SECURITY CODE

KEY PROGRAMMED

ECU IDENTIFICATION

ECU NO: AA 90532624
 KEY NO: S1650
 VIN: W06VR52R4WR189289

PRESS ENTER KEY

SECURITY CODE

X X X X

IS CODE CORRECT
 OK=ENTER CLEAR=BACK

SWITCH IGNITION OFF
 AND THEN PRESS ENTER

DIAGNOSTIC MENU

ECU IDENTIFICATION
 FAULT CODES
 LIVE DATA
 > SPECIAL FUNCTIONS

PRESS ENTER KEY

ACCESS GAINED

PRESS BACK TO EXIT
 ENTER - PROG. MORE KEYS



T-CODE USA

Cadillac Catera

READ & CLEAR FAULT CODES

VEHICLE SELECTION

ACURA
 > CADILLAC
 CHRYSLER
 DODGE
 FORD USA

DIAGNOSTIC MENU

> READ FAULT CODES
 CLEAR FAULT CODES

PRESS ENTER KEY

To Clear Fault Codes, select it from the Menu, as shown below.



VEHICLE SELECTION

> CATERA

Depending on how many fault codes are set, will depend on how many screens are displayed, however one example is shown below.

DIAGNOSTIC MENU

READ FAULT CODES
 > CLEAR FAULT CODES

PRESS ENTER KEY

SWITCH IGNITION ON

PRESS ENTER KEY

DISPLAY FAULT CODES

FAULT CODE: 5455
 TP KEY
 NOT PROGRAMMED

PRESS ENTER KEY

CLEAR FAULT CODES

PROCEDURE COMPLETE

PRESS ENTER KEY

ECU IDENTIFICATION

ECU NO: AA 90532624
 KEY NO: S1650
 VIN: W06VR52R4WR189289

PRESS ENTER KEY

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.

DIAGNOSTIC MENU

ECU IDENTIFICATION
 > FAULT CODES
 LIVE DATA
 SPECIAL FUNCTIONS

PRESS ENTER KEY

DISPLAY FAULT CODES

NO FAULTS FOUND

PRESS ENTER KEY

Cadillac Catera

ADDITIONAL INFORMATION

Wrong Key or Error during Programming

PROGRAM DENIED

PRESS ENTER KEY

The above screen will usually appear if you are using the wrong key or there is an error during programming.

Once you have double-checked you are using the right key, disconnect your TCODE and remove the key. Wait 1 minute and start over.

LIVE DATA

LIVE DATA

IGN STAT	ON
TP KEY 1	PROG
TP KEY 2	PROG
TP KEY 3	NOT PROG
TP KEY 4	NOT PROG
TP KEY 5	NOT PROG

The Live Data will display the status of the Ignition Cylinder.

The key positions are displayed in order, showing the programmed and non programmed keys.

PINCODE READ

READ PINCODE

NOT ENABLED

CONTACT YOUR DISTRIBUTOR

PRESS ENTER KEY

It is now possible to Read or display the PIN Code directly from the car's computer.

This is optional software and must be purchased from a Distributor. It is not part of the Standard software package.



Chrysler - Dodge Jeep - Plymouth



Key Programming



Chrysler

ASP T-CODE USA

Chrysler - Dodge - Jeep - Plymouth

- What You Need To Program Keys -

T-CODE	ADC110 Cable	PIN
	 <p>ADC110</p>	<p>Pin Needed</p> <p>from Cross Country Roadside or the Dealer</p>

Adapters	
<p>Type 1</p>  <p>ADC 139</p> <p>(Adaptor may vary in size and color.)</p>	<p>Type 2</p>  <p>ADC 138</p> <p>(Adaptor may vary in size and color.)</p>



T-CODE USA

Chrysler - Dodge - Jeep - Plymouth

MODELS	YEARS	KEYBLANK	KEYBLANK	SYSTEM
		STRATTEC	ILCO OR JET	
300 & 300C	2005 New	691718 or 692352	N/A	CHRY CAN
		A dealer remote key can also be used Part# 5140447AA		
300M	1999-2004	692325	Y160-PT	Type 2
	Discontinued after 2004			
Breeze	1999-2000	692325	Y160-PT	Type 1
Caravan	2001-2003	692325	Y160-PT	Type 2
	2004-2005	691718 or 692352	N/A	PACIFICA
		A dealer remote key can also be used: Part# 5134965AA - No PWR Side Doors / Part# 5134967AA - With PWR		
Cherokee	1998-2001	692325	Y160-PT	Type 1
Cirrus	1999-2000	692325	Y160-PT	Type 1
Concorde	1998-2004	692325	Y160-PT	Type 2
	Discontinued after 2004			
Dakota	2001-2004	692325	Y160-PT	Type 2
	2005 New	691729 or 692352	N/A	CHRY CAN
		A dealer remote key can also be used Part# 5143608AA		
Durango	2001-2003	692325	Y160-PT	Type 2
	2004 New	Dealer Remote Key	N/A	CHRY CAN
	Only a Dealer Remote key will work for 2004 Durango, Part# 5135670AA			
Grand Cherokee	1999-2004	692325	Y160-PT	Type 2
	2005 New	691718 or 692352	N/A	CHRY CAN
Intrepid	1998-2004	692325	Y160-PT	Type 2
	Discontinued after 2004			
Liberty	2002-2004	692325	Y160-PT	Type 2
	2005 New	691718 or 692352	N/A	PACIFICA
		A dealer remote key can also be used Part# 5139287AA		



T-CODE USA

Chrysler - Dodge - Jeep - Plymouth

MODELS	YEARS	KEYBLANK	KEYBLANK	SYSTEM
		STRATTEC	ILCO OR JET	
LHS	1999-2001	692325	Y160-PT	Type 2
Magnum	2005 <i>New</i>	691729 or 692352	N/A	CHRY CAN
		A dealer remote key can also be used Part# 5135670AA		
Neon	2000-2005	692325	Y160-PT	Type 2
Pacifica	2004-2005	692352	N/A	PACIFICA
		A dealer remote key can also be used Part# 5135937AA		
PT Cruiser	2001-2005	692325	Y160-PT	Type 2
RAM Pick Up	2002-2005	692325	Y160-PT	Type 2
Sebring 2Dr Htp	2001-2005	692353	Use Stattec	Sebring 2Dr Htp
		Do not use the Chrysler Adaptors when programming this car.		
Sebring 4Dr Htp	2001-2005	692325	Y160-PT	Type 2
Sebring Conv.	1998-2000	692325	Y160-PT	Type 1
	2001-2005	692325	Y160-PT	Type 2
Stratus 2Dr Htp	2001-2005	692353	Use Stattec	Stratus 2Dr Htp
		Do not use the Chrysler Adaptors when programming this car.		
Stratus 4Dr Htp	2001-2005	692325	Y160-PT	Type 2
Town & Country	2001-2003	692325	Y160-PT	Type 2
	2004-2005	691718 or 692352	N/A	PACIFICA
A dealer remote key can also be used: Part# 5134964AA - No PWR Side Doors / Part# 5134938AA - With PWR				
Voyager	2001-2003	692325	Y160-PT	Type 2
	2004-2005	691718 or 692352	N/A	PACIFICA
Wrangler	1998-2000	692325	Y160-PT	Type 1
	2001-2005	692325	Y160-PT	Type 2

Chrysler - Dodge - Jeep - Plymouth

Chrysler, Dodge, Jeep & Plymouth Interchangeable Keys



Chrysler & Dodge "Mitsubishi" Type Keys Interchangeable Keys



Chrysler - Dodge - Jeep - Plymouth

Chrysler, Dodge, Jeep & Plymouth



Chrysler & Dodge "Mitsubishi" Type Keys



Standard Chrysler Type 1

- Erase Keys - Erase Keys - Erase Keys -

VEHICLE SELECTION
 ACURA
 CADILLAC
 > CHRYSLER
 DODGE
 FORD USA

DIAGNOSTIC MENU
 ECU IDENTIFICATION
 FAULT CODES
 > SPECIAL FUNCTIONS



VEHICLE SELECTION
 > IMMOBILISER
 REMOTE

DIAGNOSTIC MENU
 > CLEAR KEYS
 PROGRAM KEYS

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

SECURITY CODE

SWITCH IGNITION ON
 PRESS ENTER KEY

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

ECU IDENTIFICATION
 CHRYSLER 94-98
 PRESS ENTER KEY

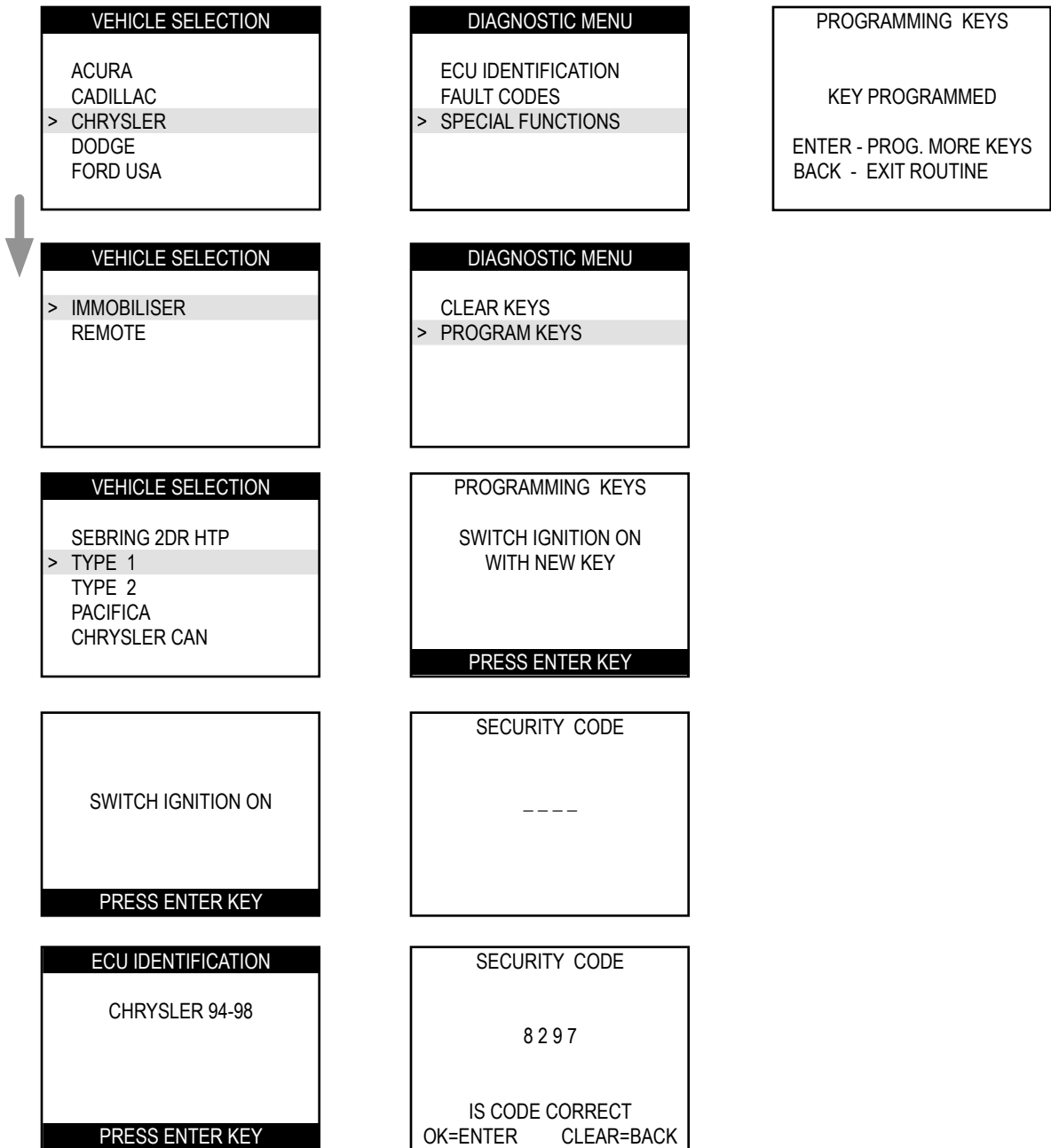
CLEAR KEYS
 PROCEDURE COMPLETE
 PRESS ENTER KEY

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.



Standard Chrysler Type **1**

- Program Keys - Program Keys - Program Keys -



Standard Chrysler Type 2

- Erase Keys - Erase Keys - Erase Keys -

VEHICLE SELECTION

ACURA
 CADILLAC
> CHRYSLER
 DODGE
 FORD USA

DIAGNOSTIC MENU

ECU IDENTIFICATION
 FAULT CODES
> SPECIAL FUNCTIONS



VEHICLE SELECTION

> IMMOBILISER
 REMOTE

DIAGNOSTIC MENU

> CLEAR KEYS
 PROGRAM KEYS

VEHICLE SELECTION

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

SECURITY CODE

SWITCH IGNITION ON

PRESS ENTER KEY

SECURITY CODE

8 2 9 7

IS CODE CORRECT
 OK=ENTER CLEAR=BACK

ECU IDENTIFICATION

CHRYSLER 98-03

PRESS ENTER KEY

CLEAR KEYS
 PROCEDURE COMPLETE

PRESS ENTER KEY

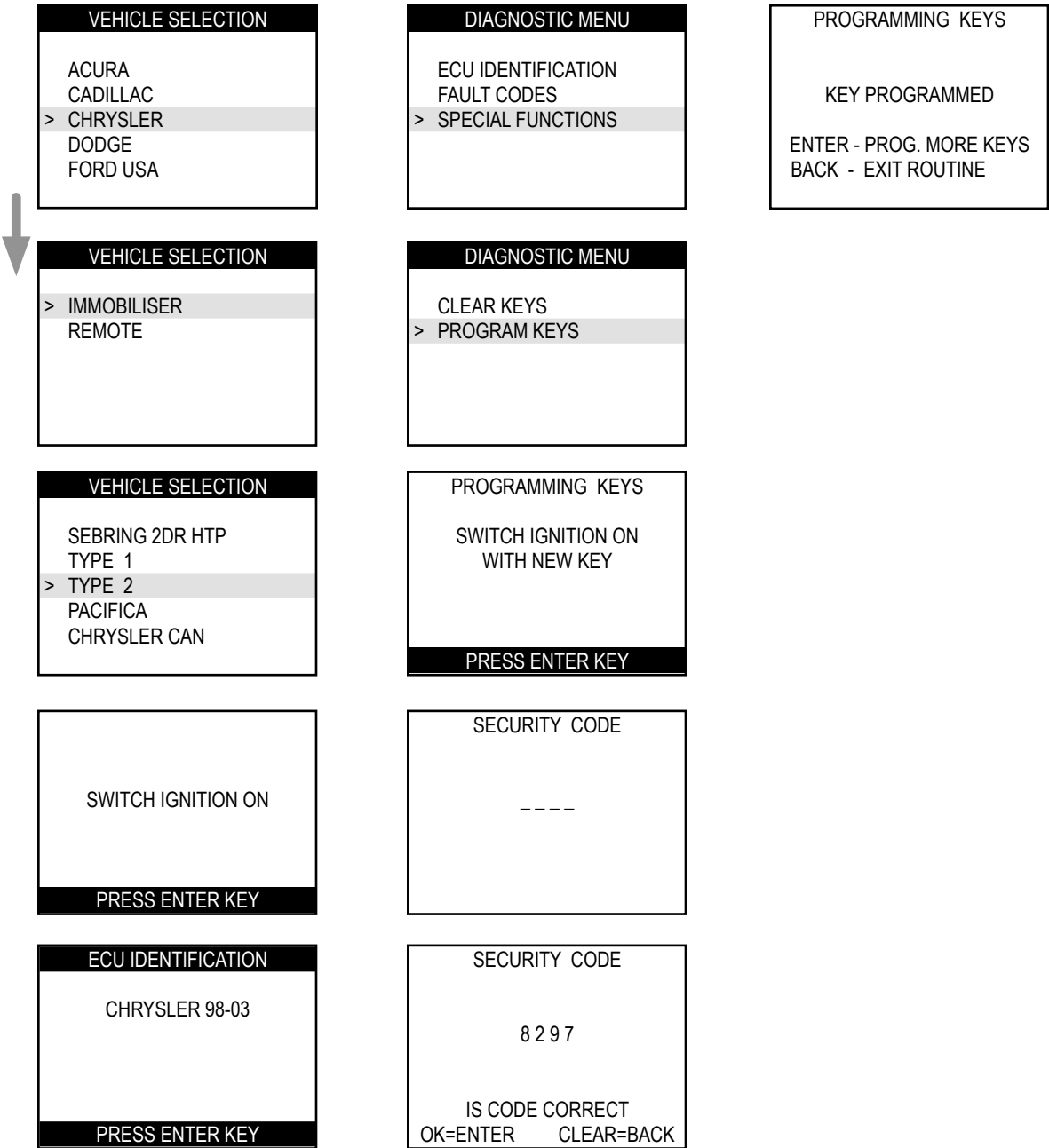
Note:

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.

Standard Chrysler Type 2

- Program Keys - Program Keys - Program Keys -



Sebring & Stratus 2Door Hardtop

- Program Keys - Program Keys - Program Keys -

VEHICLE SELECTION
 ACURA
 CADILLAC
 > CHRYSLER
 DODGE
 FORD USA

DIAGNOSTIC MENU
 ECU IDENTIFICATION
 FAULT CODES
 > SPECIAL FUNCTIONS

PROGRAM KEYS
 KEYS PROGRAMMED: 1
 BACK' TO EXIT
 ENTER TO PROGRAM
 NEXT KEY



VEHICLE SELECTION
 > IMMOBILISER
 REMOTE

NOTE : To Program Keys select that menu choice.
 To see how many keys are currently programmed; select that menu choice.

NOTE : To Program more than 1 key; press the Enter button and follow the TCODE on-screen prompts.

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

DIAGNOSTIC MENU
 PROGRAMMED KEYS
 > PROGRAM KEYS

PROGRAM KEYS
 INSERT NEXT KEY
 SWITCH IGNITION ON
 AND THEN PRESS ENTER
 WITHIN 5 SECONDS

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.

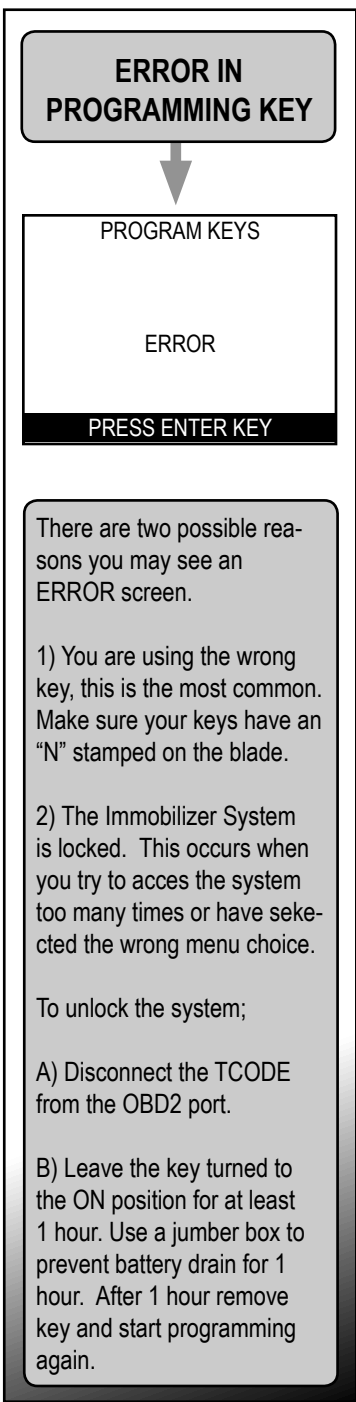
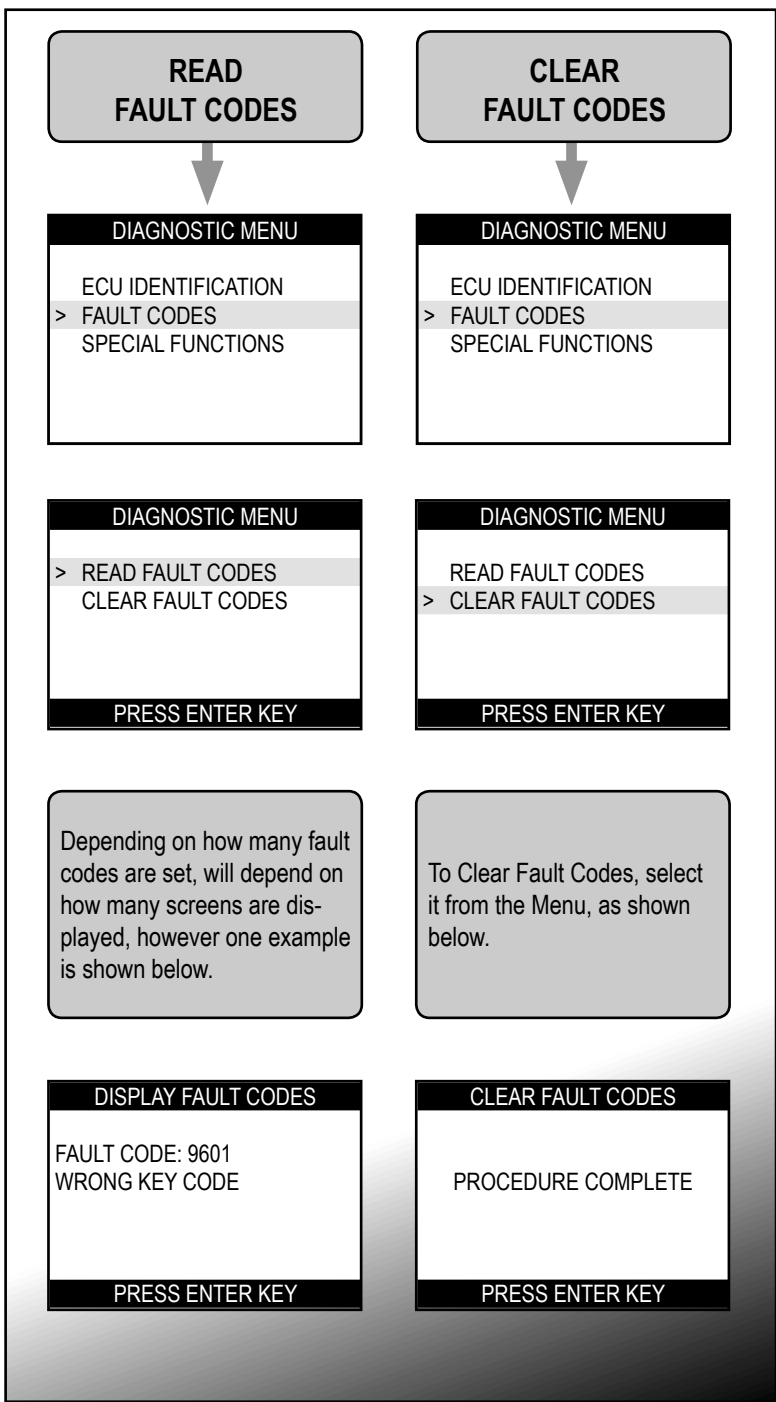
PROGRAM KEYS
 KEYS PROGRAMMED: 2
 BACK' TO EXIT
 ENTER TO PROGRAM
 NEXT KEY

NOTE :
 Do not use any adaptor for this model, just the ADC110.B or ADC110.C12 cable.

PROGRAM KEYS

Sebring & Stratus 2Door Hardtop

- Errors & Faults - Errors & Faults - Errors & Faults -





Chrysler PACIFICA System

PACIFICA System includes the following models:

YEARS	MODEL
2004-2005	Chrysler Pacifica
2004-2005	Chrysler Town & Country
2004-2005	Chrysler Voyager
2004-2005	Dodge Caravan
2005	Jeep Liberty

3 Button Remote



No Power Sliding Doors

4 Button Remote



6 Button Remote



with Power Sliding Doors

Note: The remote section of the key is programmed automatically as the transponder section is programmed.

IMPORTANT INFO: REMOTES ARE USUALLY **NOT** INTERCHANGEABLE

Chrysler PACIFICA System

These keys are interchangeable



692352
STRATTEC Logo
"S" on blade



691718
Chrysler Logo
"S" on blade



691729
Dodge Ram Logo
"S" on blade

IMPORTANT INFO: PLEASE READ

- 1) The non-remote transponder keys can be programmed as a replacement key.
- 2) Only non-remote transponder keys with an "S" stamped on the blade will work. These models have a new and different type of transponder chip.
- 3) Not all Caravan models have a transponder system, even though there may be a PIN code associated with the vehicle through the Dealer or Roadside Assistance.

Chrysler PACIFICA System

- Erase Keys - Erase Keys - Erase Keys -

VEHICLE SELECTION
 ACURA
 CADILLAC
 > CHRYSLER
 DODGE
 FORD USA

DIAGNOSTIC MENU
 ECU IDENTIFICATION
 FAULT CODES
 > SPECIAL FUNCTIONS



VEHICLE SELECTION
 > IMMOBILISER
 REMOTE

DIAGNOSTIC MENU
 > CLEAR KEYS
 PROGRAM KEYS

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

SECURITY CODE

SWITCH IGNITION ON
PRESS ENTER KEY

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

ECU IDENTIFICATION
 PACIFICA / CARAVAN
PRESS ENTER KEY

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.



Chrysler PACIFICA System

- Program Keys - Program Keys - Program Keys -

VEHICLE SELECTION

ACURA
 CADILLAC
 > CHRYSLER
 DODGE
 FORD USA

DIAGNOSTIC MENU

ECU IDENTIFICATION
 FAULT CODES
 > SPECIAL FUNCTIONS

PROGRAMMING KEYS

KEY PROGRAMMED

ENTER - PROG. MORE KEYS
 BACK - EXIT ROUTINE



VEHICLE SELECTION

> IMMOBILISER
 REMOTE

DIAGNOSTIC MENU

CLEAR KEYS
 > PROGRAM KEYS

VEHICLE SELECTION

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

PROGRAMMING KEYS

SWITCH IGNITION ON
 WITH NEW KEY

PRESS ENTER KEY

SWITCH IGNITION ON

PRESS ENTER KEY

SECURITY CODE

ECU IDENTIFICATION

PACIFICA / CARAVAN

PRESS ENTER KEY

SECURITY CODE

8 2 9 7

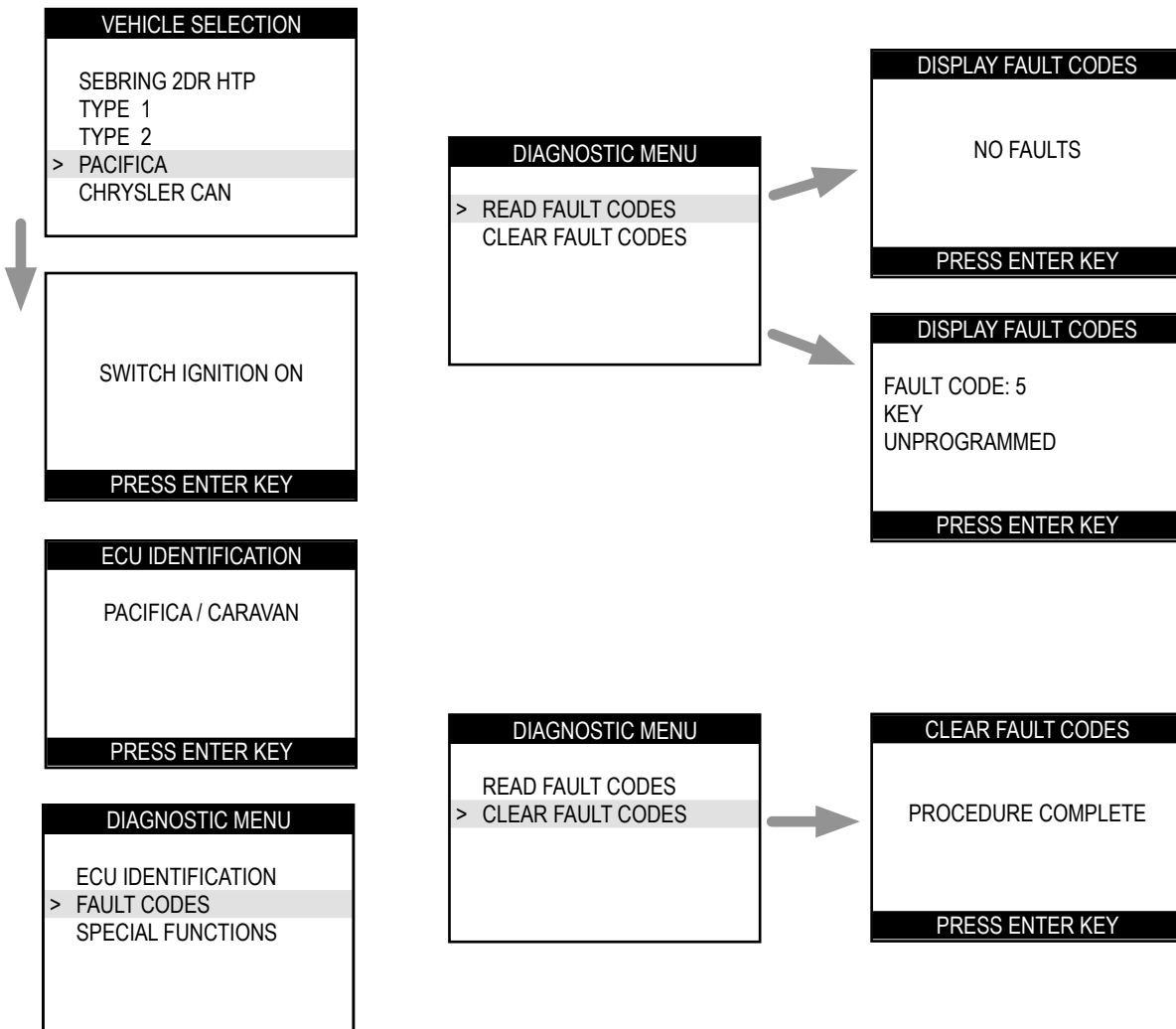
IS CODE CORRECT
 OK=ENTER CLEAR=BACK



Chrysler PACIFICA System

- Fault Codes - Fault Codes - Fault Codes -

- 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 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.





Chrysler C.A.N.
(Controller Area Network)



Chrysler (CAN)

- What You Need To Program Keys -

T-CODE	ADC110.B Cable
 <p>A handheld electronic device with a screen at the top and a numeric keypad below. The screen displays 'T - CODE'. The keypad has numbers 1-9, 0, a decimal point, and several function keys.</p>	 <p>A coiled black cable with a connector on one end and a different connector on the other.</p> <p>ADC110.B</p>

First PIN	Second PIN
<p>from Cross Country Roadside or the Car Dealer</p>	<p>from T-CODE Tech Support after you hook up to the vehicle 650-616-1941 9am to 5pm, Mon to Fri (Only) Pacific Time Zone</p>

NO Adapter Needed



Chrysler (CAN)

Important information on the Chrysler CAN system:

- There are specific differences on the Chrysler CAN version for the 2004 Durango. Please read those instruction on the next pages.
- A PIN code from the dealer or roadside service is required to program the remote head keys - even if the vehicle is not transponder equipped.
- The remote section of the key is programmed automatically as the transponder section is programmed.
- A second PIN code is needed from *T-CODE* Tech Support after you have connected your *T-CODE* to the vehicle. The reason for this is that Chrysler has added internal security for communicating with the transponder system on the new CAN system.

Tech Support can supply the second PIN code, however this not a 24 hour service. You must plan your jobs accordingly. Tech Support can assist you between the hours of 9am to 5pm, Mon - Fri, Pacific Time Zone.

Tech Support is working on a bypass for the second PIN code but can give no release date for this bypass.

- It is possible to damage the electronic chip in the remote head key if the remote is re-programmed more than twice.

Chrysler (CAN)

Chrysler CAN System includes the following models:

YEARS	MODEL
2005	Chrysler 300 & 300C Hemi
2004-2005	Dodge Durango
2005	Dodge Dakota
2005	Dodge Magnum
2005	Jeep Grand Cherokee

3 Button Remote



4 Button Remote



Note: The remote section of the key is programmed automatically as the transponder section is programmed.

IMPORTANT INFO: REMOTES ARE USUALLY NOT INTERCHANGEABLE

Chrysler (CAN)

These keys are interchangeable

(You cannot use this type of key on the 2004 Durango)



692352
STRATTEC Logo
"S" on blade



691718
Chrysler Logo
"S" on blade



691729
Dodge Ram Logo
"S" on blade

IMPORTANT INFO: PLEASE READ

- 1) The non-remote transponder keys can be programmed as a replacement key.
- 2) Only non-remote transponder keys with an "S" stamped on the blade will work. These models have a new and different type of transponder chip.

Chrysler (CAN)

2004 Dodge Durango Only

Important information on the 2004 Dodge Durango CAN system:

- Not all 2004 Durango's have a transponder system, it is optional.
- There is No non-remote transponder keys that will program correctly, at this time.
- The same remote head key is used on all models; whether it has a transponder system or not.
- Use only dealer purchased remote head keys.
- Non-transponder vehicles can be started fine without a remote head key.



Factory Remote
Dealer Part # 05135670AA

Cost \$50.00
(Cost at time of printing)

Chrysler (CAN)

- Program New Keys - Program New Keys -

VEHICLE SELECTION

ACURA
 CADILLAC
 > CHRYSLER
 DODGE
 FORD USA

DIAGNOSTIC MENU

RE-PROGRAM KEYS
 > PROGRAM NEW KEYS
 ERASE KEYS
 PROGRAM REMOTE

RESPONSE CODE

VEHICLE SELECTION

> IMMOBILISER
 REMOTE

SECURITY CODE

Enter the Response Code by using the Up & Down arrow buttons on your T-CODE.

Press the Enter button to advance to the next position.

VEHICLE SELECTION

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

The Security Code is the PIN code that you need from the Dealer or from Roadside Service.



SWITCH IGNITION ON

PRESS ENTER KEY

SECURITY CODE

8 2 9 7

IS CODE CORRECT
 OK=ENTER CLEAR=BACK

RESPONSE CODE

6 8 0 6 B E A 6

IS CODE CORRECT
 OK=ENTER CLEAR=BACK

ECU IDENTIFICATION

CHRYSLER CAN

PRESS ENTER KEY

CHALLENGE CODE

B6 37 8B 86
 B6 37 8B AD

PRESS ENTER KEY

Once you have entered the correct Response Code, the key will be programmed.

DIAGNOSTIC MENU

ECU IDENTIFICATION
 FAULT CODES
 LIVE DATA
 > SPECIAL FUNCTIONS

Call Tech Support to have this Challenge Code converted to the Response Code.
 Tel: 650-616-1941
 This is not a 24hr service.
 Plan your jobs accordingly.

PROGRAM KEYS

PROCEDURE COMPLETE

PRESS ENTER KEY

Note: If you have trouble programming, disconnect your Unit & remove the key, wait a minute and start over.

Chrysler (CAN)

- Erase Keys - Erase Keys -

VEHICLE SELECTION

ACURA
 CADILLAC
 > CHRYSLER
 DODGE
 FORD USA

DIAGNOSTIC MENU

RE-PROGRAM KEYS
 PROGRAM NEW KEYS
 > ERASE KEYS
 PROGRAM REMOTE

RESPONSE CODE



VEHICLE SELECTION

> IMMOBILISER
 REMOTE

SECURITY CODE

Enter the Response Code by using the Up & Down arrow buttons on your T-CODE.

Press the Enter button to advance to the next position.

VEHICLE SELECTION

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

The Security Code is the PIN code that you need from the Dealer or from Roadside Service.



SWITCH IGNITION ON

PRESS ENTER KEY

SECURITY CODE

8 2 9 7

IS CODE CORRECT
 OK=ENTER CLEAR=BACK

RESPONSE CODE

6 8 0 6 B E A 6

IS CODE CORRECT
 OK=ENTER CLEAR=BACK

ECU IDENTIFICATION

CHRYSLER CAN

PRESS ENTER KEY

CHALLENGE CODE

B6 37 8B 86
 B6 37 8B AD

PRESS ENTER KEY

Once you have entered the correct Response Code, the keys will be erased. You will have to either Program New Keys or Re-Program Keys.

DIAGNOSTIC MENU

ECU IDENTIFICATION
 FAULT CODES
 LIVE DATA
 > SPECIAL FUNCTIONS

Call Tech Support to have this Challenge Code converted to the Response Code.
 Tel: 650-616-1941
 This is not a 24hr service.
 Plan your jobs accordingly.

ERASE KEYS

PROCEDURE COMPLETE

PRESS ENTER KEY

Note: If you have trouble programming, disconnect your Unit & remove the key, wait a minute and start over.

Chrysler (CAN)

- Re-Program Keys - Re-Program Keys -

• Key must have been Programmed to this VIN before •

VEHICLE SELECTION

ACURA
 CADILLAC
 > CHRYSLER
 DODGE
 FORD USA

DIAGNOSTIC MENU

> RE-PROGRAM KEYS
 PROGRAM NEW KEYS
 ERASE KEYS
 PROGRAM REMOTE

RESPONSE CODE



VEHICLE SELECTION

> IMMOBILISER
 REMOTE

SECURITY CODE

Enter the Response Code by using the Up & Down arrow buttons on your T-CODE.

Press the Enter button to advance to the next position.

VEHICLE SELECTION

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

The Security Code is the PIN code that you need from the Dealer or from Roadside Service.



SWITCH IGNITION ON

PRESS ENTER KEY

SECURITY CODE

8 2 9 7

IS CODE CORRECT
 OK=ENTER CLEAR=BACK

RESPONSE CODE

6 8 0 6 B E A 6

IS CODE CORRECT
 OK=ENTER CLEAR=BACK

ECU IDENTIFICATION

CHRYSLER CAN

PRESS ENTER KEY

CHALLENGE CODE

B6 37 8B 86
 B6 37 8B AD

PRESS ENTER KEY

Once you have entered the correct Response Code, the key will be programmed.

DIAGNOSTIC MENU

ECU IDENTIFICATION
 FAULT CODES
 LIVE DATA
 > SPECIAL FUNCTIONS

Call Tech Support to have this Challenge Code converted to the Response Code.
 Tel: 650-616-1941
 This is not a 24hr service.
 Plan your jobs accordingly.

PROGRAM KEYS

PROCEDURE COMPLETE

PRESS ENTER KEY

Note: If you have trouble programming, disconnect your Unit & remove the key, wait a minute and start over.

Chrysler (CAN)

- Program Remote Only - Program Remote Only -

• This procedure is for non-transponder equipped vehicles •

VEHICLE SELECTION

ACURA
 CADILLAC
 > CHRYSLER
 DODGE
 FORD USA

DIAGNOSTIC MENU

RE-PROGRAM KEYS
 PROGRAM NEW KEYS
 ERASE KEYS
 > PROGRAM REMOTE

RESPONSE CODE



VEHICLE SELECTION

> IMMOBILISER
 REMOTE

SECURITY CODE

Enter the Response Code by using the Up & Down arrow buttons on your T-CODE.

Press the Enter button to advance to the next position.

VEHICLE SELECTION

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

The Security Code is the PIN code that you need from the Dealer or from Roadside Service.



SWITCH IGNITION ON

PRESS ENTER KEY

SECURITY CODE

8 2 9 7

IS CODE CORRECT
 OK=ENTER CLEAR=BACK

RESPONSE CODE

6 8 0 6 B E A 6

IS CODE CORRECT
 OK=ENTER CLEAR=BACK

ECU IDENTIFICATION

CHRYSLER CAN

PRESS ENTER KEY

CHALLENGE CODE

B6 37 8B 86
 B6 37 8B AD

PRESS ENTER KEY

WARNING
 FOLLOW NEXT SCREENS
 QUICKLY & CAREFULLY

COMPLETE OPERATION
 WITHIN 60 Sec.
 AFTER HEARING CHIME
PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
 FAULT CODES
 LIVE DATA
 > SPECIAL FUNCTIONS

Call Tech Support to have this Challenge Code converted to the Response Code.
 Tel: 650-616-1941
 This is not a 24hr service.
 Plan your jobs accordingly.

continued on next page



Chrysler (CAN)

- Program Remote Only - Program Remote Only -

- This procedure is for non-transponder equipped vehicles •

continued from previous page

To program the remote on a non-transponder vehicle of this type; the following must be performed:

- 1) Sit in drivers 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. If the above procedure is not performed other chimes may interfere with the remote programming chime.

PROGRAMMING REMOTES

PRESS LOCK & UNLOCK
CHIME WILL BE HEARD
WHEN FOB IS PROGRAM.

REPEAT FOR ALL FOBS
PRESS ENTER KEY

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.

Press the Enter button when done.





Chrysler - Dodge - Jeep - Plymouth
Remote Keyless Entry Section

Chrysler Remote Section

GRID INDEX

- Only the models listed are supported -

MODELS	YEARS	Remote System Type	T-CODE Adaptor Type	Keyless Ride Part Number
300M	1999 - 2000	6	2	5621
	2001 - 2004	6	2	5512
Cirrus	1998 - 2000	10	1	6020
Concorde	1998 - 2000	6	2	5621
	2001 - 2004	6	2	5512
LHS	1999 - 2000	6	2	5621
	2001	6	2	5512
PT Cruiser	2001 - 2005	1	2	5490
Sebring Convertible	1998 - 2000	4	1	6030
	2001 - 2005	6	2	5512
Sebring 4 Door	2001 - 2005	6	2	5512
Town & Country	1998	9	1	5601
	1999 - 2000	9	1	9109
	2001 - 2003	3	2	5510 w/o Pwr Doors
		3	2	9077 with Pwr Doors

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.

Dodge Remote Section

GRID INDEX

- Only the models listed are supported -

MODELS	YEARS	Remote System Type	T-CODE Adaptor Type	Keyless Ride Part Number
Caravan	1998	9	1	5601
	1999 - 2000	9	1	9109
	2001 - 2003	3	2	5510 w/o Pwr Doors
		3	2	9077 with Pwr Doors
Dakota	1998	5	1	5601
	1999 - 2000	5	1	5630
	2001 - 2004	7	2	5510
Durango	1998	5	1	5601 / 5602
	1999 - 2000	5	1	5630
	2001 - 2003	7	2	5510
Intrepid	1999 - 2000	6	2	5621
	2001 - 2004	6	2	5512
Neon	2001 - 2005	1	2	9107
RAM Pick Up	1998	5	1	5601
	1999 - 2001	5	1	5630
	2002	5	1	5630
	2002	8	2	5510
	2003 - 2005	8	2	5510
Stratus 4 Door	1998 - 2000	10	1	6020
	2001 - 2005	6	2	5512

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.

Jeep Remote Section

GRID INDEX

- Only the models listed are supported -

MODELS	YEARS	Remote System Type	T-CODE Adaptor Type	Keyless Ride Part Number
Cherokee	1998	11	1	5460
	1999 - 2001	11	1	5622 blk / 5623 gry
Grand Cherokee	1999 - 2004	2	2	5622 blk / 5623 gry
Liberty	2002 - 2004	3	2	5512

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.

Plymouth Remote Section

GRID INDEX

- Only the models listed are supported -

MODELS	YEARS	Remote System Type	T-CODE Adaptor Type	Keyless Ride Part Number
Breeze	1998 - 2000	10	1	6020
Neon	2000 - 2001	1	2	9107
Voyager	1998	9	1	5601
	1999 - 2000	9	1	9109

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.



NOTES

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Chrysler - Dodge - Jeep - Plymouth

- What You Need To Program Remotes -

T-CODE	ADC110 Cable
 <p>A handheld grey device with a small screen at the top and a numeric keypad below. The screen displays 'T - CODE'. The keypad has numbers 1-9, 0, a decimal point, a left arrow, and up/down arrows.</p>	 <p>A black coiled cable with a connector on one end and a different connector on the other.</p> <p>ADC110</p>

Adapters	
<p>Type 1</p>  <p>A black rectangular adapter with two metal pins on top and a connector on the bottom. The text 'MICHAEL HYDE' and 'INTEGRALS' is visible on the front.</p> <p>ADC 139</p>	<p>Type 2</p>  <p>A black rectangular adapter with two metal pins on top and a connector on the bottom. The text 'MICHAEL HYDE' and 'INTEGRALS' is visible on the front.</p> <p>ADC 138</p>

Type 1 Remotes

'00-'04 Neon & PT Cruiser

T-CODE USA Chrysler - Dodge - Jeep - Plymouth

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. --



VEHICLE SELECTION

ACURA
CADILLAC
> CHRYSLER
DODGE
FORD USA

DIAGNOSTIC MENU

ECU IDENTIFICATION
LIVE DATA
> SPECIAL FUNCTIONS

VEHICLE SELECTION

IMMOBILISER
> REMOTE

DIAGNOSTIC MENU

> PROGRAM REMOTE
TEST REMOTE

VEHICLE SELECTION

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

PROGRAMMING REMOTES

PRESS REMOTES

BACK TO EXIT.

SWITCH IGNITION ON

PRESS ENTER KEY

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.

ECU IDENTIFICATION

NEON / PT CRUISER
REMOTES - TYPE 1

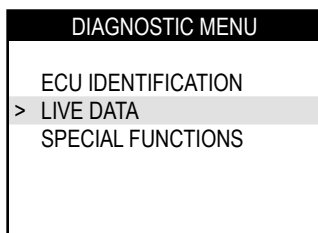
PRESS ENTER KEY

PROGRAMMING REMOTES

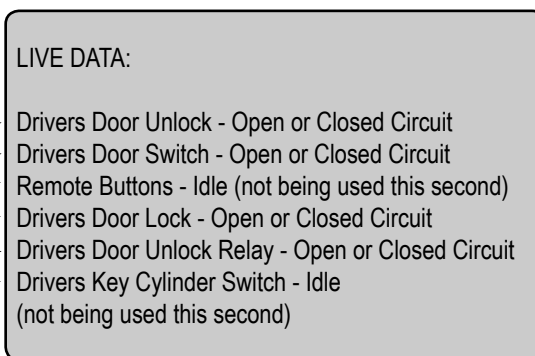
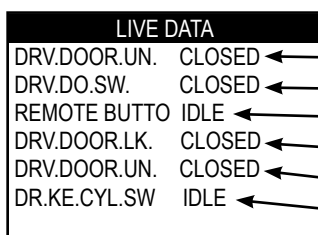
PROCEDURE COMPLETE

PRESS ENTER KEY

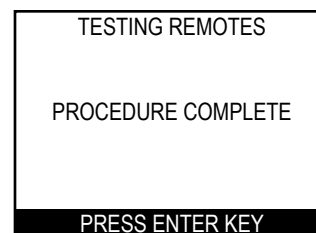
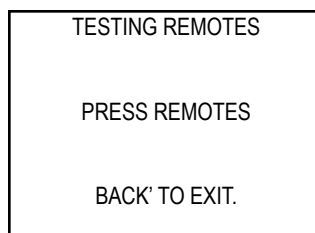
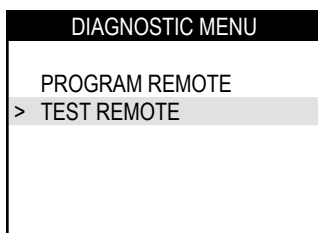
Type 1 LIVE DATA



Live Data can be used to ascertain if there are open or closed circuits and/or relay problems.



Testing Remotes - to determine if a Remote is working properly on a Type 1 system.



A chime is heard as a button on the Remote is pressed.



Type 2 Remotes

'99-'04 Jeep Grand Cherokee

T-CODE USA Chrysler - Dodge - Jeep - Plymouth

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.



1999-2004
Jeep
Grand Cherokee

VEHICLE SELECTION

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

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

JEEP GRAND CHEROKEE
REMOTES - TYPE 2

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU

> PROGRAM REMOTE

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.

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

VEHICLE SELECTION

ACURA
CADILLAC
> CHRYSLER
DODGE
FORD USA

VEHICLE SELECTION

IMMOBILISER
> REMOTE

T-CODE USA Chrysler - Dodge - Jeep - Plymouth

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. --

VEHICLE SELECTION

ACURA
CADILLAC
> CHRYSLER
DODGE
FORD USA

DIAGNOSTIC MENU

ECU IDENTIFICATION
> SPECIAL FUNCTIONS

VEHICLE SELECTION

IMMOBILISER
> REMOTE

DIAGNOSTIC MENU

> PROGRAM REMOTE

VEHICLE SELECTION

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

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.

SWITCH IGNITION ON

PRESS ENTER KEY

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.

ECU IDENTIFICATION

CARAVAN / LIBERTY REMOTES - TYPE 3

PRESS ENTER KEY

PROGRAMMING REMOTES

PROCEDURE COMPLETE

PRESS ENTER KEY



Type 3 Remotes

'02-'04 Jeep Liberty

T-CODE USA Chrysler - Dodge - Jeep - Plymouth

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. --



2002-2004
Jeep Liberty

VEHICLE SELECTION
ACURA
CADILLAC
> CHRYSLER
DODGE
FORD USA



VEHICLE SELECTION
IMMOBILISER
> REMOTE

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
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.

PROGRAMMING REMOTES
PROCEDURE COMPLETE
PRESS ENTER KEY

T-CODE USA Chrysler - Dodge - Jeep - Plymouth

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.

VEHICLE SELECTION

ACURA
 CADILLAC
 > CHRYSLER
 DODGE
 FORD USA



VEHICLE SELECTION

IMMOBILISER
 > REMOTE

Note:
 1) Leave drivers door open.
 2) Lock the car using the power door lock button on drivers door.

DIAGNOSTIC MENU

ECU IDENTIFICATION
 > SPECIAL FUNCTIONS

VEHICLE SELECTION

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

DIAGNOSTIC MENU

> PROGRAM REMOTE

SWITCH IGNITION ON

PRESS ENTER KEY

PROGRAM REMOTE

DO YOU WANT TO ERASE REMOTES

'1' -YES '3' -NO

ECU IDENTIFICATION

SEBRING CONVERTIBLE REMOTES - TYPE 4

PRESS ENTER KEY

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 cycle to the unlocked position. This takes about 10 to 20 seconds.

- If the locks fail to cycle after 20 seconds, unplug your T-CODE and start over. This is not uncommon for this system.
- Each remote must be programmed separately. You must unplug your T-CODE and start over to program another remote.

Type 5 Remotes

1998 Dodge Durango

T-CODE USA Chrysler - Dodge - Jeep - Plymouth

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
Dodge Durango

VEHICLE SELECTION

ACURA
CADILLAC
> CHRYSLER
DODGE
FORD USA

VEHICLE SELECTION

IMMOBILISER
> REMOTE

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

DIAGNOSTIC MENU

> PROGRAM REMOTE
ERASE REMOTES

PROGRAM REMOTE

REMOTE 1: 09A0A3E6
REMOTE 2: FFFFFFFF
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

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

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.

T-CODE USA Chrysler - Dodge - Jeep - Plymouth

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.

VEHICLE SELECTION

ACURA
CADILLAC
> CHRYSLER
DODGE
FORD USA



VEHICLE SELECTION

IMMOBILISER
> REMOTE

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

DIAGNOSTIC MENU

> PROGRAM REMOTE
ERASE REMOTES

PROGRAM REMOTE

REMOTE 1: 09A0A3E6
REMOTE 2: FFFFFFFF
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

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

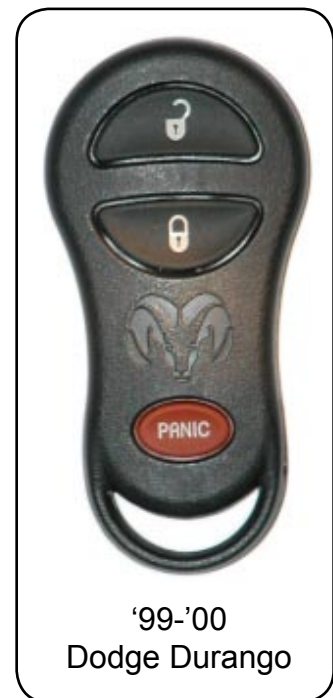
PROGRAM REMOTE

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.



'99-'00
Dodge Durango

Type 5 Remotes

1998 Dodge Dakota

T-CODE USA Chrysler - Dodge - Jeep - Plymouth

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

ACURA
CADILLAC
> CHRYSLER
DODGE
FORD USA

VEHICLE SELECTION

IMMOBILISER
> REMOTE

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

DIAGNOSTIC MENU

> PROGRAM REMOTE
ERASE REMOTES

PROGRAM REMOTE

REMOTE 1: 09A0A3E6
REMOTE 2: FFFFFFFF
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

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

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.

T-CODE USA Chrysler - Dodge - Jeep - Plymouth

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.

VEHICLE SELECTION

ACURA
CADILLAC
> CHRYSLER
DODGE
FORD USA



VEHICLE SELECTION

IMMOBILISER
> REMOTE

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

DIAGNOSTIC MENU

> PROGRAM REMOTE
ERASE REMOTES

PROGRAM REMOTE

REMOTE 1: 09A0A3E6
REMOTE 2: FFFFFFFF
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

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

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.



'99-'00
Dodge Dakota

T-CODE USA

Chrysler - Dodge - Jeep - Plymouth

DODGE RAM PICK UP

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.



New Style RAM Pick-Up

Mid 2002 - 2004

Type 8 Remotes

The door handle sticks out from the door.



Old Style RAM Pick-Up

1998 to Mid 2002

Type 5 Remotes

The door handle is flush in the door.

T-CODE USA Chrysler - Dodge - Jeep - Plymouth

Type 5 Remotes

'98-'02 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.

VEHICLE SELECTION

ACURA
CADILLAC
> CHRYSLER
DODGE
FORD USA



VEHICLE SELECTION

IMMOBILISER
> REMOTE

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

DIAGNOSTIC MENU

> PROGRAM REMOTE
ERASE REMOTES

PROGRAM REMOTE

REMOTE 1: 09A0A3E6
REMOTE 2: FFFFFFFF
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

PRESS ENTER KEY

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

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.



Type 6 Remotes

T-CODE USA Chrysler - Dodge - Jeep - Plymouth

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. --



- 1999-2004
Chrysler 300M
- 1998-2004
Chrysler Concorde
- 1999-2001
Chrysler LHS
- 2001-2004
Chrysler Sebring
Convertible
- 2001-2004
Chrysler Sebring
4 Door
- 1999-2004
Dodge Intrepid
- 2001-2004
Dodge Stratus
4 Door

VEHICLE SELECTION

ACURA
CADILLAC
> CHRYSLER
DODGE
FORD USA



VEHICLE SELECTION

IMMOBILISER
> REMOTE

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

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.

PROGRAMMING REMOTES

PROCEDURE COMPLETE

PRESS ENTER KEY

T-CODE USA Chrysler - Dodge - Jeep - Plymouth

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.

```

VEHICLE SELECTION
ACURA
CADILLAC
> CHRYSLER
DODGE
FORD USA

```



```

VEHICLE SELECTION
IMMOBILISER
> REMOTE

```

```

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

```

```

DIAGNOSTIC MENU
ECU IDENTIFICATION
> SPECIAL FUNCTIONS

```

```

DIAGNOSTIC MENU
> PROGRAM REMOTE

```



```

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 T-Code.

```

PROGRAM REMOTE
PRESS LOCK & UNLOCK
TOGETHER FOR 1 Sec.
WITHIN 3 Secs. Press
EITHER KEY FOR 1 Sec

```



2001-2004
Dodge Dakota

```

PROGRAM REMOTE
PROCEDURE COMPLETE

PRESS ENTER KEY

```

Type 7 Remotes

'01-'03 Dodge Durango

T-CODE USA Chrysler - Dodge - Jeep - Plymouth

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 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

DIAGNOSTIC MENU

ECU IDENTIFICATION
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU

> PROGRAM REMOTE

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.

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 T-Code.

PROGRAM REMOTE

PROCEDURE COMPLETE

PRESS ENTER KEY

VEHICLE SELECTION

ACURA
CADILLAC
> CHRYSLER
DODGE
FORD USA

VEHICLE SELECTION

IMMOBILISER
> REMOTE

T-CODE USA Chrysler - Dodge - Jeep - Plymouth

Type 8 Remotes

'02-'04 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. --

VEHICLE SELECTION

ACURA
CADILLAC
> CHRYSLER
DODGE
FORD USA

DIAGNOSTIC MENU

ECU IDENTIFICATION
> SPECIAL FUNCTIONS



VEHICLE SELECTION

IMMOBILISER
> REMOTE

DIAGNOSTIC MENU

> PROGRAM REMOTE

VEHICLE SELECTION

TYPE 6
TYPE 7
> TYPE 8
TYPE 9
TYPE 10
TYPE 11

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.

SWITCH IGNITION ON

PRESS ENTER KEY

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.



ECU IDENTIFICATION
PROGRAM REMOTE

RAM PICK-UP
REMOTES - TYPE 8
PROCEDURE COMPLETE

PRESS ENTER KEY
PRESS ENTER KEY

PROGRAMMING REMOTES

PROCEDURE COMPLETE

PRESS ENTER KEY



Type 9 Remotes

1998 Dodge Caravan

T-CODE USA Chrysler - Dodge - Jeep - Plymouth

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. --



1998
Chrysler
Town & Country

1998
Dodge Caravan

1998
Plymouth Voyager

VEHICLE SELECTION

TYPE 4
TYPE 5
TYPE 6
TYPE 7
TYPE 8
> TYPE 9

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

CARAVAN
CCD REMOTES - TYPE 9

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU

> PROGRAM REMOTE

PROGRAM REMOTE

WARNING

ALL REMOTES WILL
BE ERASED

PRESS ENTER KEY

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) 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.

VEHICLE SELECTION

ACURA
CADILLAC
> CHRYSLER
DODGE
FORD USA

VEHICLE SELECTION

IMMOBILISER
> REMOTE

PROGRAM REMOTE

PROCEDURE COMPLETE

PRESS ENTER KEY

T-CODE USA

Chrysler - Dodge - Jeep - Plymouth

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. --

VEHICLE SELECTION
ACURA
CADILLAC
> CHRYSLER
DODGE
FORD USA



VEHICLE SELECTION
IMMOBILISER
> REMOTE

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

SWITCH IGNITION ON
PRESS ENTER KEY

ECU IDENTIFICATION
CARAVAN
CCD REMOTES - TYPE 9
PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU
> PROGRAM REMOTE

PROGRAM REMOTE
WARNING
ALL REMOTES WILL BE ERASED
PRESS ENTER KEY

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) 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.



1999-2000
Chrysler
Town & Country

1999-2000
Dodge Caravan

1999-2000
Plymouth Voyager

PROGRAM REMOTE
PROCEDURE COMPLETE
PRESS ENTER KEY

Type 10 Remotes

'98-'00 Breeze / Cirrus / Stratus

T-CODE USA Chrysler - Dodge - Jeep - Plymouth

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 Cirrus

1998-2000
Dodge Stratus (4Dr)

1998-2000
Plymouth Breeze

VEHICLE SELECTION

TYPE 6
TYPE 7
TYPE 8
TYPE 9
> TYPE 10
TYPE 11

PROGRAM REMOTE

DO YOU WANT TO
ERASE REMOTES

'1' -YES '3' -NO

SWITCH IGNITION ON

PRESS ENTER KEY

PROGRAMMING REMOTES

PRESS LOCK & UNLOCK
TOGETHER FOR 1 Sec.
DO THIS TWICE

REPEAT FOR ALL FOBS
BACK TO EXIT.

ECU IDENTIFICATION

BREEZE/CIRRUS/STRATUS
CCD REMOTES - TYPE 10

PRESS ENTER KEY

Note: To program the remote-

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.

VEHICLE SELECTION

ACURA
CADILLAC
> CHRYSLER
DODGE
FORD USA

DIAGNOSTIC MENU

ECU IDENTIFICATION
> SPECIAL FUNCTIONS

VEHICLE SELECTION

IMMOBILISER
> REMOTE

DIAGNOSTIC MENU

> PROGRAM REMOTE

PROGRAM REMOTE

PROCEDURE COMPLETE

PRESS ENTER KEY

T-CODE USA Chrysler - Dodge - Jeep - Plymouth

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
ACURA
CADILLAC
> CHRYSLER
DODGE
FORD USA



VEHICLE SELECTION
IMMOBILISER
> REMOTE

VEHICLE SELECTION
TYPE 6
TYPE 7
TYPE 8
TYPE 9
TYPE 10
> TYPE 11

SWITCH IGNITION ON
PRESS ENTER KEY

ECU IDENTIFICATION
JEEP CHEROKEE
CCD REMOTES - TYPE 11
PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU
> PROGRAM REMOTE



PROGRAM REMOTE
ENTER REMOTE NO. #

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 T-CODE will return to the 'Program Remote' menu.



DIAGNOSTIC MENU
> PROGRAM REMOTE

Type 11 Remotes

1999-2001 Jeep Cherokee

T-CODE USA Chrysler - Dodge - Jeep - Plymouth

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

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

JEEP CHEROKEE
CCD REMOTES - TYPE 11

PRESS ENTER KEY

VEHICLE SELECTION

ACURA
CADILLAC
> CHRYSLER
DODGE
FORD USA

DIAGNOSTIC MENU

ECU IDENTIFICATION
> SPECIAL FUNCTIONS

VEHICLE SELECTION

IMMOBILISER
> REMOTE

DIAGNOSTIC MENU

> PROGRAM REMOTE

PROGRAM REMOTE
ENTER REMOTE NO. #

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 T-CODE will return to the 'Program Remote' menu.

DIAGNOSTIC MENU

> PROGRAM REMOTE

 T-CODE USA



Ford - Lincoln - Mercury Key Programming


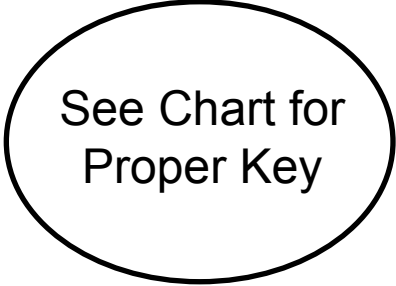
Ford



T-CODE USA

Ford - Lincoln - Mercury

- What You Need To Program Keys -

T-CODE USA	ADC110 Cable
	
PIN	Proper Key
No Pin Needed	



T-CODE USA

Ford Motor Company

FORD	YEARS	KEYBLANK		SYSTEM
		STRATTEC	ILCO / JET	
Contour V6	1997-98 (a)	692055	H73-PT	PATS 1
	1999-00	692055	H73-PT	PCM
Crown Victoria	1998-02	598333	H72-PT	PATS 2
	2003-04	599114	N/A	PCM
	2005 <i>New</i>	599114	N/A	CAN
Escape	2001-04	691643	H86PT or H74PT	PCM
	2005 <i>New</i>	599114	N/A	CAN
Excursion	2000-05	598333	H72-PT	PATS 2
Expedition	1997-98	598333	H72-PT	PATS 1
	1999-02	598333	H72-PT	HEC
	2003-04	599114	N/A	PCM
	2005 <i>New</i>	599114	N/A	CAN
Explorer	1998-07/00	598333	H72-PT	PATS 2
	07/00-2003	599114	N/A	PCM
	2004-05	599114	N/A	CAN
Explorer Sport Trac	2002-05	599114	N/A	PCM
Five Hundred	2005 <i>New</i>	599114	N/A	CAN
Focus	2003-04	Models with PZEV (2.3 litre) engines - See FORD CAN SECTION		
	2000-04	691643	H86PT or H74PT	PCM
		Models with (2.0 litre) engines (Non PZEV)		
2005 <i>New</i>	Models with PZEV (2.0 / 2.3 litre) engines - See FORD CAN SECTION			
Ford GT	2005 <i>New</i>	598333 (?)	H72-PT (?)	PATS 2 (?)
Freestar	2004-05 <i>New</i>	599114	N/A	PCM
Freestyle	2005 <i>New</i>	599114	N/A	CAN
F150/F250	1999-03	598333	H72-PT	HEC
F150/F250 Heritage (old body design)	2004	598333	H72-PT	HEC
F150 / F250 (new body design)	2004-05	599114	N/A	CAN

(a) Production Date of 03/98 & up models use 1999-2000 application



T-CODE USA

Ford Motor Company

FORD	YEARS	KEYBLANK	KEYBLANK	SYSTEM
		STRATTEC	ILCO / JET	
F250/F350 Super Duty	1999-2005	No Transponder System for Super Duty Models		
Mustang	1996-97	598333	H72-PT	PATS 1
	1998	598333	H72-PT	PATS 2
	1999-04	598333	H72-PT	HEC
	2005 <i>New</i>	599114	N/A	CAN
Ranger V6	1999-00	598333	H72-PT	PATS 2
	2001-04	599114	N/A	PCM
	2005 <i>New</i>	No Transponder System for 2005		
Taurus	1996-97	598333	H72-PT	PATS 1
	1998-99	598333	H72-PT	PATS 2
	2000-03	599114	N/A	PCM
	2004-05	599114	N/A	CAN
Thunderbird	2002	691643	H74-PT	HEC
	2003-05	599114	N/A	HEC
Windstar	1999-00	598333	H72-PT	ICM
	2001-04	599114	N/A	PCM

STRATTEC 691259



STRATTEC 599179



STRATTEC 599114



Anyone of these keys (pictured above) can be substituted for each other.



T-CODE USA

Lincoln & Mazda

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LINCOLN	YEARS	KEYBLANK	KEYBLANK	SYSTEM
		STRATTEC	ILCO / JET	
Aviator	2003-05	691259	N/A	PCM
Blackwood	2002	598333	H72-PT	HEC
Continental	1998-02	598333	H72-PT	VIC
LS	2000-02	691643	H86PT or H74PT	HEC
	2003-05	691259	N/A	HEC
Mark LT	2005 <i>New</i>	691259	N/A	CAN
Mark VIII	1997-98	691641	N/A	SCIL
Navigator	1997-98	598333	H72-PT	PATS 1
	1999-02	598333	H72-PT	HEC
	2003-04	691259	N/A	PCM
	2005 <i>New</i>	691259	N/A	CAN
Town Car	1998-02	598333	H72-PT	HEC
	2003-04	691259	N/A	PCM
	2005 <i>New</i>	691259	N/A	CAN
MAZDA	YEARS	KEYBLANK	KEYBLANK	SYSTEM
		STRATTEC	CROSS REFERENCE	
"B" Series P/U (V6 Engine)	1999-00	598333	H72-PT	PATS 2
	2001-04	599114	N/A	PCM
Tribute	2001-04	691643	H86PT or H74PT	PCM
(a) Production Date of 03/98 & up models use 1999-2000 application				

ASP T-CODE USA

Mercury

MERCURY	YEARS	KEYBLANK	KEYBLANK	SYSTEM
		STRATTEC	ILCO / JET	
Cougar	1999-02	692055	H73-PT	PCM
Mystique (V6)	1997-98 (a)	692055	H73-PT	PATS 1
	1999-00	692055	H73-PT	PCM
Grand Marquis	1998-02	598333	H72-PT	PATS 2
	2003-04	599179	N/A	PCM
	2005 <i>New</i>	691259	N/A	CAN
Marauder	2003-05	599179	N/A	PCM
Mariner	2005 <i>New</i>	691259	N/A	CAN
Montego	2005 <i>New</i>	691259	N/A	CAN
Mountaineer	1998-07/00	598333	H72-PT	PATS 2
	07/00-2003	599179	N/A	PCM
	Some 2004	599179	N/A	PCM
	Some 2004	599179	N/A	CAN
	2005 <i>New</i>	691259	N/A	CAN
Sable	1996-97	598333	H72-PT	PATS 1
	1998-99	598333	H72-PT	PATS 2
	2000-03	599179	N/A	PCM
	2004-05	599179	N/A	CAN

(a) Production Date of 03/98 & up models use 1999-2000 application

STRATTEC 691259



STRATTEC 599179



STRATTEC 599114



Anyone of these keys (pictured above) can be substituted for each other.



Special Note for

Ford HEC / ICM / VIC / SCIL

Important Notice:

Models that use the “HEC”, “ICM”, “VIC” systems will require All keys present for key programming or they will be erased during the 10 minute wait period.

At this time 2 keys are required for programming.

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, after the 10 minute wait and must programmed with the other keys.

To program the keys after the 10 minute wait simply cycle all the keys in the ignition to the ON position for about 3 to 4 seconds each when prompted to do so with your T-CODE USA.



Special Note for

Ford Escape & Mazda Tribute

When you have finished programming keys on one 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 T-CODE 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 T-CODE and remove the key from the ignition.

The vehicle should now start up.



Special Note for

Ford “Anti-Scan Mode”

Important Notice:

- Most Ford, Lincoln, Mercury & Mazda (Ford based) models are equipped with a feature called ANTI-SCAN.
- ANTI-SCAN 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 of 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 TCODE 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-SCAN mode and the vehicle should now start.

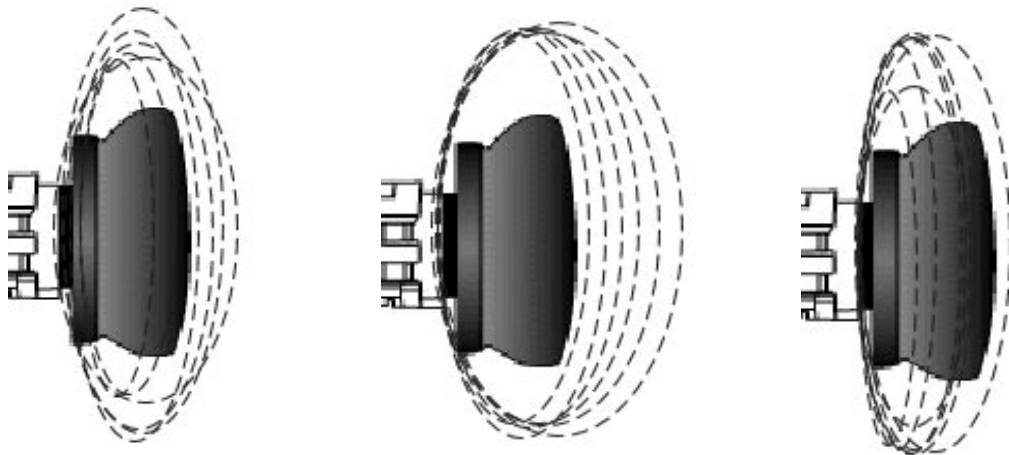
-
- You will not be able to start the vehicle with a un-programmed key and even an original key if you have not waited 70 seconds after removing the un-programmed key.
 - In some cases you may need to leave the programmed key in the RUN position for 2 minutes and then turn the key OFF and back ON to start the vehicle.

Special Note for

Improper Key Programming

You must cut all keys you want to program into the vehicle.

Do Not tape a mechanical key next to a transponder key for the purpose key programming. This also applies to “holding” the transponder key next to the mechanical key. Where this method may work in some cases, it will eventually cause you to call Tech Support with a programming key problem. Tech Support for this “situation” is not supported, at all.



The Transponder Induction Wave is not always the same and does not extend out very far. The Wave cannot pick up keys out of it's area.



Special Note for

FORD 'THEFT' LIGHT

The Theft (Security) light on a Ford product contains many clue's 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 a 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 a after-market Remote Start device. You must disconnect the Remote Start device to finish key programming.

Ford CAN (except Escape & Focus)

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Use this method for ERASING all keys

VEHICLE SELECTION
 CADILLAC
 CHRYSLER
 DODGE
 > FORD USA
 GENERAL MOTORS

DIAGNOSTIC MENU
 ECU IDENTIFICATION
 FAULT CODES
 > SPECIAL FUNCTIONS

MIN KEYS REQUIRED: 2
 TIMED ACCESS
 CLEAR TIME 10:00
 KEYS PROGRAMMED: 2
PRESS ENTER KEY



VEHICLE SELECTION
 > PATS 3 CAN
 PATS 1
 PATS 2
 PCM
 HEC
 ICM
 VIC
 SCLM
 SCIL

> 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.

Programming Keys:
 When erasing all keys (Clear) you must have 2 keys to cycle in the ignition after the 10 minute wait. You must go through the Clear Time wait.

Verify the System type from the model application guide in your T-CODE User's Manual.

CLEAR PATS KEY
 GAINING ACCESS
 TIME REQUIRED: 10:00
 TIME ELAPSE 0:00
 ACCESS STATUS
 IN PROGRESS
 BACK TO ABORT

SWITCH IGNITION ON
PRESS ENTER KEY

DIAGNOSTIC MENU
 > CLEAR PATS
 KEYS PROGRAMMED
 ADD KEY

PROGRAM KEYS
 DISCONNECT TESTER
 FROM VEHICLE
 CYCLE KEYS
 TO PROGRAM

ECU IDENTIFICATION
 PATS
PRESS ENTER KEY

> **CLEAR PATS;**
To erase all keys
 > KEYS PROGRAMMED;
 Check keys
 > ADD KEY;
 To program additional key

Follow the on-screen prompts.
 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.
 Wait a few seconds and test your keys.

Ford CAN (except Escape & Focus)

*Use this method for **ADDING** keys-*

VEHICLE SELECTION
 CADILLAC
 CHRYSLER
 DODGE
 > FORD USA
 GENERAL MOTORS

DIAGNOSTIC MENU
 ECU IDENTIFICATION
 FAULT CODES
 > SPECIAL FUNCTIONS

TIMED ACCESS
 CLEAR TIME 10:00
 KEYS PROGRAMMED: 2
PRESS ENTER KEY



VEHICLE SELECTION
 > PATS 3 CAN
 PATS 1
 PATS 2
 PCM
 HEC
 ICM
 VIC
 SCLM
 SCIL

> 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.

Programming Keys:
 When adding a key you only
 need 1 key to cycle in the igni-
 tion after the 10 minute wait.
 You must go through the Clear
 Time wait.

Verify the System type from
 the model application guide
 in your T-CODE USA User's
 Manual.

CLEAR PATS KEY
 GAINING ACCESS
 TIME REQUIRED: 10:00
 TIME ELAPSE 0:00
 ACCESS STATUS
 IN PROGRESS
 BACK TO ABORT

SWITCH IGNITION ON
PRESS ENTER KEY

DIAGNOSTIC MENU
 CLEAR PATS
 KEYS PROGRAMMED
 > ADD KEY

PROGRAM KEYS
 DISCONNECT TESTER
 FROM VEHICLE

ECU IDENTIFICATION
 PATS
PRESS ENTER KEY

> CLEAR PATS;
 To erase all keys
 > KEYS PROGRAMMED;
 Check keys
 > **ADD KEY;**
To program additional 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 pro-
 grammed.
 Wait a few seconds and test
 your key.

Ford CAN - ESCAPE & FOCUS

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*Use this method for **ERASING** all keys-*

DO NOT connect the T-CODE USA to the car first.

Instead insert the key and turn to the RUN position & then connect the T-CODE USA and proceed quickly to program the key(s).



VEHICLE SELECTION

CADILLAC
CHRYSLER
DODGE
> FORD USA
GENERAL MOTORS

VEHICLE SELECTION

> PATS 3 CAN
PATS 1
PATS 2
PCM
HEC
ICM

Verify the System type from the model application guide in your T-CODE USA User's Manual.

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

PATS

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

> 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

> CLEAR PATS
KEYS PROGRAMMED
ADD KEY

> **CLEAR PATS;**
To erase all keys

> KEYS PROGRAMMED;
Check keys

> ADD KEY;
To program additional key

MIN KEYS REQUIRED: 2
TIMED ACCESS

CLEAR TIME 10:00
KEYS PROGRAMMED: 2

PRESS ENTER KEY

Programming Keys:
When erasing all keys (Clear) you must have 2 keys to cycle in the ignition after the 10 minute wait. You must go through the Clear Time wait.

CLEAR PATS KEY
GAINING ACCESS
TIME REQUIRED: 10:00
TIME ELAPSE 0:00

ACCESS STATUS
IN PROGRESS
BACK TO ABORT

PROGRAM KEYS

DISCONNECT TESTER
FROM VEHICLE

CYCLE KEYS
TO PROGRAM

Follow the on-screen prompts.

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.

Wait a few seconds and test your keys.

Ford CAN - ESCAPE & FOCUS

*Use this method for **ADDING** keys-*

DO NOT connect the T-CODE USA to the car first.

Instead insert the key and turn to the RUN position & then connect the T-CODE USA and proceed quickly to program the key(s).

VEHICLE SELECTION

CADILLAC
CHRYSLER
DODGE
> FORD USA
GENERAL MOTORS

VEHICLE SELECTION

> PATS 3 CAN
PATS 1
PATS 2
PCM
HEC
ICM

Verify the System type from the model application guide in your T-CODE USA User's Manual.

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

PATS

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

> 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

CLEAR PATS
KEYS PROGRAMMED
> ADD KEY

> CLEAR PATS;
To erase all keys

> KEYS PROGRAMMED;
Check keys

> **ADD KEY;**
To program additional key

TIMED ACCESS

CLEAR TIME 10:00
KEYS PROGRAMMED: 2

PRESS ENTER KEY

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.

GAINING ACCESS
TIME REQUIRED: 10:00
TIME ELAPSE 0:00

ACCESS STATUS
IN PROGRESS
BACK TO ABORT

PROGRAM KEYS

DISCONNECT TESTER
FROM VEHICLE

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.

Wait a few seconds and test your key.

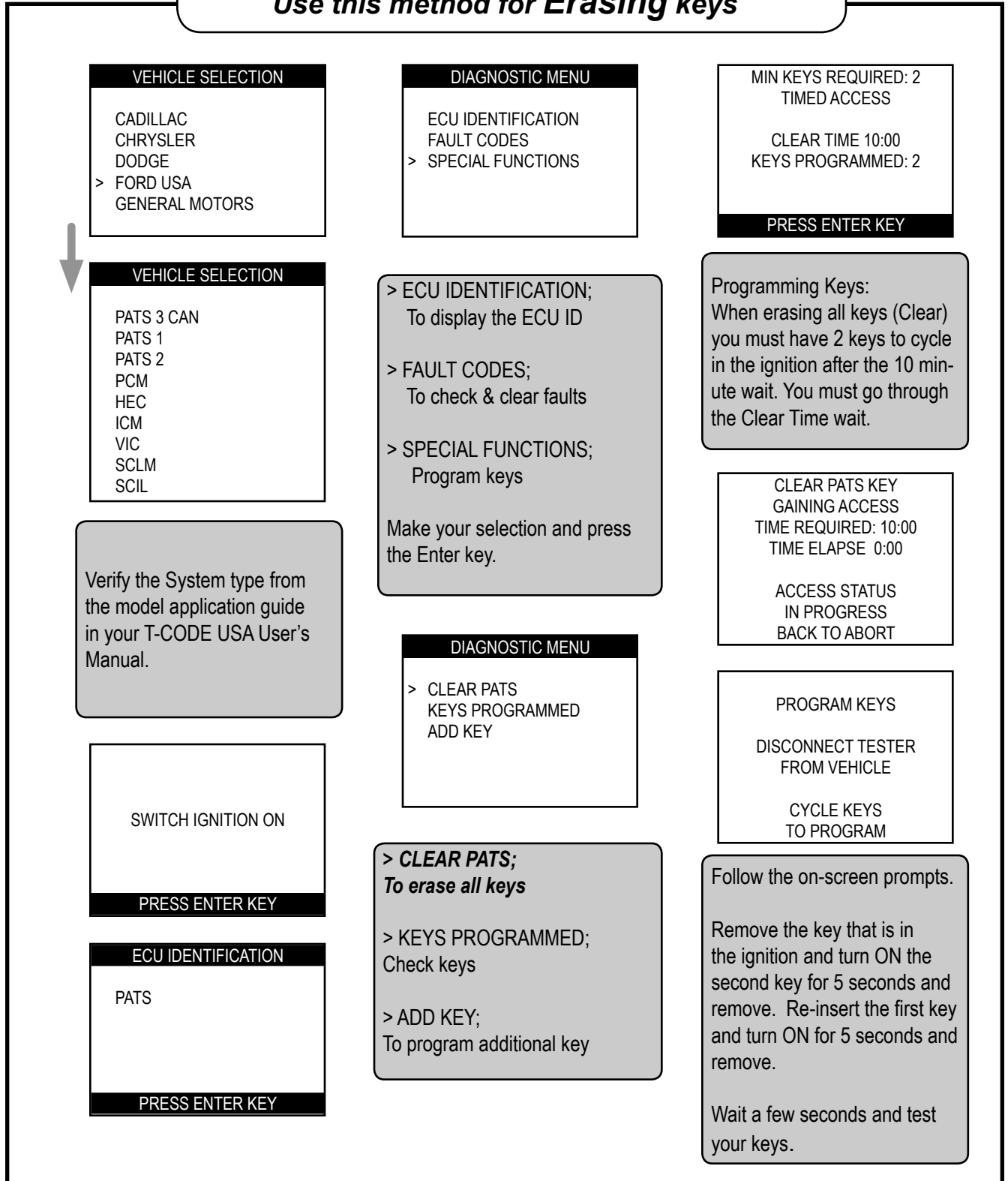


T-CODE USA

Ford PCM & PATS 2

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Use this method for Erasing keys



Ford PCM & PATS 2

*Use this method for **ADDING** keys-*

VEHICLE SELECTION
 CADILLAC
 CHRYSLER
 DODGE
 > FORD USA
 GENERAL MOTORS

DIAGNOSTIC MENU
 ECU IDENTIFICATION
 FAULT CODES
 > SPECIAL FUNCTIONS

TIMED ACCESS
 CLEAR TIME 10:00
 KEYS PROGRAMMED: 2
PRESS ENTER KEY



VEHICLE SELECTION
 PATS 3 CAN
 PATS 1
 PATS 2
 PCM
 HEC
 ICM
 VIC
 SCLM
 SCIL

> 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.

Programming Keys:
 When adding a key you only
 need 1 key to cycle in the igni-
 tion after the 10 minute wait.
 You must go through the Clear
 Time wait.

Verify the System type from
 the model application guide
 in your T-CODE USA User's
 Manual.

CLEAR PATS KEY
 GAINING ACCESS
 TIME REQUIRED: 10:00
 TIME ELAPSE 0:00
 ACCESS STATUS
 IN PROGRESS
 BACK TO ABORT

SWITCH IGNITION ON
PRESS ENTER KEY

DIAGNOSTIC MENU
 CLEAR PATS
 KEYS PROGRAMMED
 > ADD KEY

KEY PROGRAMMED
 DISCONNECT TESTER
 FROM VEHICLE

ECU IDENTIFICATION
 PATS
PRESS ENTER KEY

> CLEAR PATS;
 To erase all keys
 > KEYS PROGRAMMED;
 Check keys
 > **ADD KEY;**
To program additional 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 pro-
 grammed.
 Wait a few seconds and test
 your key.



T-CODE USA

Ford HEC / ICM / VIC / SCIL

Use this method for Erasing keys

VEHICLE SELECTION

CADILLAC
CHRYSLER
DODGE
> FORD USA
GENERAL MOTORS

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

MIN KEYS REQUIRED: 2
TIMED ACCESS

CLEAR TIME 10:00
KEYS PROGRAMMED: 2

PRESS ENTER KEY

VEHICLE SELECTION

PATS 3 CAN
PATS 1
PATS 2
PCM
> HEC
> ICM
> VIC
SCLM
SCIL

> ECU IDENTIFICATION;
To display the ECU ID
> FAULT CODES;
To check & clear faults
> SPECIAL FUNCTIONS;
Program keys

Programming Keys:
When erasing all keys (Clear)
you must have 2 keys to cycle
in the ignition after the 10 min-
ute wait. You must go through
the Clear Time wait.

Make your selection and press
the Enter key.

CLEAR PATS KEY
GAINING ACCESS
TIME REQUIRED: 10:00
TIME ELAPSE 0:00

ACCESS STATUS
IN PROGRESS
BACK TO ABORT

Verify the System type from
the model application guide
in your T-CODE USA User's
Manual.

DIAGNOSTIC MENU

> CLEAR PATS
KEYS PROGRAMMED

PROGRAM KEYS

DISCONNECT TESTER
FROM VEHICLE

CYCLE KEYS
TO PROGRAM

SWITCH IGNITION ON

PRESS ENTER KEY

> **CLEAR PATS;**
To erase all keys

> KEYS PROGRAMMED;
Check keys

Follow the on-screen prompts.

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.

Wait a few seconds and test
your keys.

ECU IDENTIFICATION

PATS

PRESS ENTER KEY

Ford PATS 1

Use this method to Program keys

VEHICLE SELECTION
 CADILLAC
 CHRYSLER
 DODGE
 > FORD USA
 GENERAL MOTORS



VEHICLE SELECTION
 PATS 3 CAN
 > PATS 1
 PATS 2
 PCM
 HEC
 ICM
 VIC
 SCLM
 SCIL

Verify the System type from the model application guide in your T-CODE USA User's Manual.

SWITCH IGNITION ON
PRESS ENTER KEY

ECU IDENTIFICATION
 PATS
PRESS ENTER KEY

DIAGNOSTIC MENU
 ECU IDENTIFICATION
 FAULT CODES
 > SPECIAL FUNCTIONS

> 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
 > CLEAR PATS
 KEYS PROGRAMMED

On a PATS 1 system you must CLEAR PATS to program a key, if you have no existing keys.
After the wait time the key in the ignition will be programmed.

TIMED ACCESS
 CLEAR TIME 10:00
 KEYS PROGRAMMED: 1
PRESS ENTER KEY

CLEAR PATS KEY
 GAINING ACCESS
 TIME REQUIRED: 10:00
 TIME ELAPSE 0:00
 ACCESS STATUS
 IN PROGRESS
 BACK TO ABORT

KEY PROGRAMMED
 DISCONNECT TESTER
 FROM VEHICLE

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.
 Wait a few seconds and test your key.

Ford Fault Codes

READ & CLEAR FAULT CODES

VEHICLE SELECTION

CADILLAC
CHRYSLER
DODGE
> FORD USA
GENERAL MOTORS

DIAGNOSTIC MENU

> READ FAULT CODES
CLEAR FAULT CODES

PRESS ENTER KEY

To Clear Fault Codes, select it from the Menu, as shown below.



VEHICLE SELECTION

> PATS 3 CAN
PATS 1
PATS 2
FOCUS PCM
HEC
ICM
VIC

Depending on how many fault codes are set, will depend on how many screens are displayed, however one example is shown below.

DIAGNOSTIC MENU

READ FAULT CODES
> CLEAR FAULT CODES

PRESS ENTER KEY

Verify the System type from the model application guide in your T-CODE USA User's Manual.

DISPLAY FAULT CODES

FAULT CODE: 9601
WRONG KEY CODE

PRESS ENTER KEY

CLEAR FAULT CODES

PROCEDURE COMPLETE

PRESS ENTER KEY

SWITCH IGNITION ON

PRESS ENTER KEY

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.

ECU IDENTIFICATION

PATS

PRESS ENTER KEY

DISPLAY FAULT CODES

NO FAULTS FOUND

PRESS ENTER KEY

 T-CODE USA



Acura & Honda Key Programming




for Prelude, NSX & RL Only


(See Next Section for All others.)

Honda

Honda Type 1

- What You Need To Program Keys -

T-CODE USA	ADC110 Cable	Adapter
	 <p style="text-align: center;">ADC110</p>	 <p style="text-align: center;">ADC134</p>

PIN	New IMMO ECU
<p style="text-align: center;">No Pin Needed</p>	



Honda Type 1

ACURA	YEARS	KEYBLANK	KEYBLANK	SYSTEM
		ILCO	JET	
NSX	1997-2004	HD106-PT	HD106-N-PT	Type 1A
RL	2002-2004	HD106-PT	HD106-N-PT	Type 1C
RL	2000-2001	HD106-PT	HD106-N-PT	Type 1B
RL	1996-1999	HD106-PT	HD106-N-PT	Type 1A
HONDA	YEARS	KEYBLANK	KEYBLANK	SYSTEM
		ILCO	JET	
Prelude	1997-2002	HD106-PT	HD106-N-PT	Type 1A

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 be programmed with the other keys.

Honda After-Market Keys - Important Info -

There can be a lot of confusion concerning which is the right key to use and what is the purpose of the different after-market Acura/Honda transponder keys.

It's all in the part number and type of transponder chip. Cloning transponder keys have a chip in them that are made to be have the transponder ID read and also written too. Cloning transponder keys require a machine like the STRATTEC "Quick-Code", JET "Smart Clone", JET "ETD-1", ILCO "RW2" to read the chip value, which is usually 32 digits long. The cloning machines read the value of the original chip key and than can write that value onto a after-market cloning chip key.

Here's one of the problems with cloning transponder keys. They all come with a "Zero" value. Meaning the 32-digit value is all zero's. During programming of a new key into the car's memory the car's immobilizer computer is looking for a unique value to the chip and will not accept a value of all zeros. The car's immobilizer computer see's this as an error and in turn causes a fault to be registered in the PCM (Powertrain Control Module) computer. To avoid doing this and creating more problems pay close attention to the part numbers that aftermarket manufacturers use.

- > STRATTEC Key Example: Clone Type - "RW" (Means Read Write = Clone)
- > JET Key Example: Clone Type - HD106-N-PHT (The "N" means 'No Value')
- > ILCO Key Example: Clone Type - HD106-PT5 (The "5" on the end = Clone)



You cannot use the above keys for programming unless they are cloned from an original first or you must use an original factory key. '03+ Accord & TSX models - you must use factory key, new chip.

Honda After-Market Keys - Important Info -

Warning -

Some factory keys you buy at the dealer are stamped with a “T5” on the blade, these keys were meant for cloning, they have a “Zero” value in them and cannot be used unless they are cloned first. Make sure they do not have a “T5” anywhere on them.

The car’s immobilizer computer see’s this as an error and in turn causes a fault to be registered in the PCM (Powertrain Control Module) computer. These keys will not program correctly.



Honda Type 1



On a Acura/Honda Type 1 System you must have an existing Black and Red key to add more keys. If the customer only has a Red or a Black key, but not both, you must replace the Immobilizer computer as pictured above and program the new unit in with the T-CODE USA. This is only for TYPE 1 cars, no others require this.

If the customer has no keys you must replace the Immobilizer computer as pictured above and program the new unit in with the T-CODE USA.

The new Immobilizer Unit includes a matching Master key, a matching Red “Learning” key and a Immobilizer Control Unit. The keys are matched to the new Control Unit and cannot be substituted. This is only for TYPE 1 cars, no others require this.

Never insert the Red key into the ignition unless prompted by T-CODE USA to do so, otherwise the Immobilizer will need to be re-programmed again.

Honda Type 1

**Use this method for ADDING keys-
(Must have existing Red & Black Keys)**



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 T-CODE USA.

SWITCH IGNITION ON

PRESS ENTER KEY

REWRITE IMMOBILIZER

NO. OF ORIGINAL KEYS:

DO NOT INCLUDE RED LEARNING KEY

ECU IDENTIFICATION

HONDA IMMO. USA-1

PRESS ENTER KEY

Enter the number of existing programmed Black Master & Grey Valet keys.

Then enter the number of New keys to be programmed.



VEHICLE SELECTION

CADILLAC
CHRYSLER
DODGE
FORD USA
> HONDA

DIAGNOSTIC MENU

ECU IDENTIFICATION
> SPECIAL FUNCTIONS

PRESS ENTER KEY

REWRITE IMMOBILIZER

NUMBER OF NEW KEYS:

VEHICLE SELECTION

TYPE 1A
TYPE 1B
TYPE 1C
TYPE 2A
TYPE 2B
TYPE 2C
TYPE 3

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

PROGRAM KEYS

SWITCH IGNITION OFF

NOTE: Verify the TYPE from the Application Grid earlier in this section.

DIAGNOSTIC MENU

> PROGRAM KEYS
KEY INFORMATION

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

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

Honda Type 1

Use this method when REPLACING the Immobilizer Computer



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 T-CODE USA.

SWITCH IGNITION ON

PRESS ENTER KEY

REWRITE IMMOBILIZER

NO. OF ORIGINAL KEYS:

DO NOT INCLUDE RED LEARNING KEY

ECU IDENTIFICATION

HONDA IMMO. USA-1

PRESS ENTER 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 immo box.

VEHICLE SELECTION

CADILLAC
CHRYSLER
DODGE
FORD USA
> HONDA

DIAGNOSTIC MENU

ECU IDENTIFICATION
> SPECIAL FUNCTIONS

PRESS ENTER KEY

REWRITE IMMOBILIZER

NUMBER OF NEW KEYS:

VEHICLE SELECTION

TYPE 1A
TYPE 1B
TYPE 1C
TYPE 2A
TYPE 2B
TYPE 2C
TYPE 3

NOTE:
You will need to follow the TCODE screens precisely.

You might consider turning off your cell phone and pager.

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".

NOTE: Verify the TYPE from the Application Grid earlier in this section.

DIAGNOSTIC MENU

> PROGRAM KEYS
KEY INFORMATION

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

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

Honda Type 1

Installing New Immobilizer Unit Honda Prelude

The lower dash Trim must be removed to make easy access to the Immobilizer Control Unit. Only 1 screw holds the trim cover.



Honda Type 1

Installing New Immobilizer Unit Honda Prelude



The Immobilizer Control Unit is held to the column with two 10mm bolts.

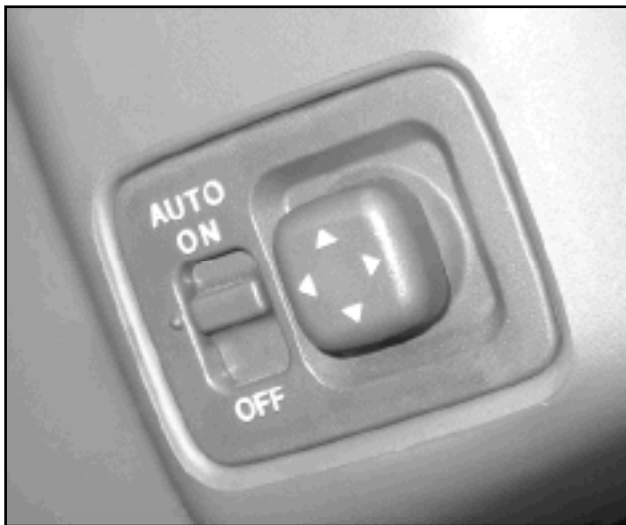


The OBD2 connector is located behind a carpet cover that is in the shape of a triangle on the passenger side of the center console.

Remove the cover to access the OBD2 port.

Honda Type 1

Installing New Immobilizer Unit Acura RL



Before removing any parts you must first raise and extend the power steering column to it's highest and most extended position.

The lower dash pad must be removed to make easy access to the Immobilizer Control Unit.





T-CODE USA

Honda Type 1

Installing New Immobilizer Unit Acura RL



The whole lower dash pad un-snaps from the dash as one piece.

A view of the dash pad removed.



Honda Type 1

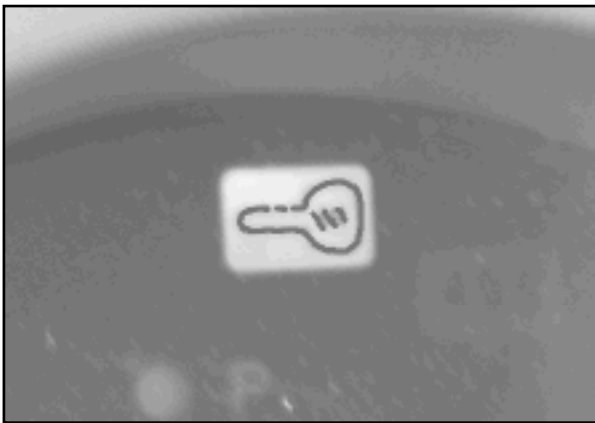
Installing New Immobilizer Unit Acura RL



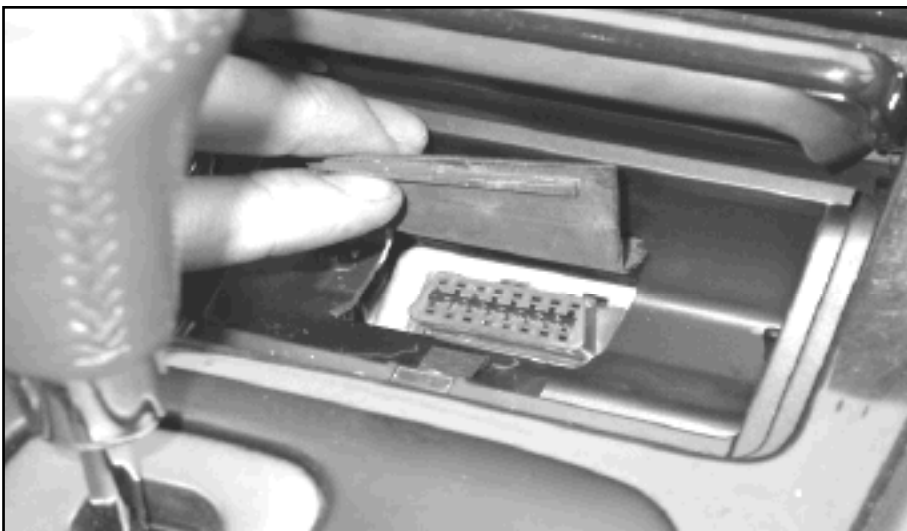
The immobilizer control unit is held in place with two 10mm bolts. There are two connectors that must be unsnapped.

Honda Type 1

Installing New Immobilizer Unit Acura RL



There is a Immobilizer Key indicator light in the instrument cluster on the right side above the gear selector indicator. The light is Green in color.



The OBD2 connector is in the bottom of the ash tray compartment.

Remove the metal ash tray and lift up the rubber flap to access the OBD2 port.

 **T-CODE USA**



Acura & Honda Key Programming




for All Models

**(Except Prelude, NSX & RL,
see prior section for these models)**

Honda

Honda Type 2A, 2B, 2C, 3 & 4

- What You Need To Program Keys -

T-CODE USA	ADC110 Cable	Adapter
	 <p data-bbox="646 1129 797 1171">ADC110</p>	 <p data-bbox="1092 1129 1260 1171">ADC 134</p>

PIN	Proper Key
<p data-bbox="224 1535 675 1593">No Pin Needed</p>	<div data-bbox="885 1501 1279 1787" style="border: 1px solid black; border-radius: 50%; padding: 20px; text-align: center;"> <p data-bbox="938 1587 1227 1696">See Chart for Proper Key</p> </div>



T-CODE USA

Honda

ACURA	YEARS	KEYBLANK	KEYBLANK	SYSTEM
		ILCO	JET	
CL	1999-2003	HD106-PT	HD106-N-PT	Type 2A
Integra	2000-2001	HD106-PT	HD106-N-PT	Type 2A
MDX	2001-2004	HD106-PT	HD106-N-PT	Type 2B
RSX	2002-2004	HD106-PT	HD106-N-PT	Type 3
TL	1999-2003	HD106-PT	HD106-N-PT	Type 2A
	2004	Dealer Key	Dealer Key	Type 4
TSX	2004	Dealer Key	Dealer Key	Type 4
HONDA	YEARS	KEYBLANK	KEYBLANK	SYSTEM
		ILCO	JET	
Accord	1998-2002	HD106-PT	HD106-N-PT	Type 2C
		Models with a 4 Cylinder ULEV engine		
	1998-2002	HD106-PT	HD106-N-PT	Type 2A
	2003-2004	Dealer Key	Dealer Key	Type 4
Civic	2001-2002	HD106-PT	HD106-N-PT	Type 3
	2003-2004	HO01T	HD110-N-PT	Type 3
CR-V	2002-2004	HO01T	HD110-N-PT	Type 3
Element	2003-2004	HO01T	HD110-N-PT	Type 3
Insight	2000-2004	HD106-PT	HD106-N-PT	Type 2A
Odyssey	1998-2002	HD106-PT	HD106-N-PT	Type 2A
	2003-2004	HO01T	HD110-N-PT	Type 3
Pilot	2003-2004	HO01T	HD110-N-PT	Type 2B
S2000	2000-2004	HD106-PT	HD106-N-PT	Type 2A

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 be programmed with the other keys.

Honda After-Market Keys - Important Info -

There can be a lot of confusion concerning which is the right key to use and what is the purpose of the different after-market Acura/Honda transponder keys.

It's all in the part number and type of transponder chip. Cloning transponder keys have a chip in them that are made to be have the transponder ID read and also written too. Cloning transponder keys require a machine like the STRATTEC "Quick-Code", JET "Smart Clone", JET "ETD-1", ILCO "RW2" to read the chip value, which is usually 32 digits long. The cloning machines read the value of the original chip key and than can write that value onto a after-market cloning chip key.

Here's one of the problems with cloning transponder keys. They all come with a "Zero" value. Meaning the 32-digit value is all zero's. During programming of a new key into the car's memory the car's immobilizer computer is looking for a unique value to the chip and will not accept a value of all zeros. The car's immobilizer computer see's this as an error and in turn causes a fault to be registered in the PCM (Powertrain Control Module) computer. To avoid doing this and creating more problems pay close attention to the part numbers that aftermarket manufacturers use.

- > STRATTEC Key Example: Clone Type - "RW" (Means Read Write = Clone)
- > JET Key Example: Clone Type - HD106-N-PHT (The "N" means 'No Value')
- > ILCO Key Example: Clone Type - HD106-PT5 (The "5" on the end = Clone)



You cannot use the above keys for programming unless they are cloned from an original first or you must use an original factory key. '03+ Accord & TSX models - you must use factory key, new chip.

T-CODE USA

Honda After-Market Keys - Important Info -

Special Note for Type 2 Honda vehicles -

We have found slight differences in a few models that use the Type 2 systems.

In some cases the key will not program when using the T-CODE USA Honda adapter. You should always use the Honda adapter first and then if you are having difficulty successfully programming the key, try it without the Honda adapter.

This only applies to a few cars with the Type 2 systems.

Warning -

Some factory keys you buy at the dealer are stamped with a "T5" on the blade, these keys were meant for cloning on a dealership cloning machine, they have a "Zero" value in them and cannot be used unless they are cloned first. Make sure they do not have a "T5" anywhere on them.

The car's immobilizer computer sees this as an error and in turn causes a fault to be registered in the PCM (Powertrain Control Module) computer. These keys will not program correctly.



ASP T-CODE USA

Honda Type 2, 3 & 4

Use this method to **PROGRAM** keys



NOTE: Make sure the key is in the ignition and turned to the "II" position (ON).

SWITCH IGNITION ON

PRESS ENTER KEY

PROGRAMMING KEYS

TOTAL KEYS REQD:

ECU IDENTIFICATION

HONDA IMMO. USA-X

PRESS ENTER KEY

Enter the numbers keys required for programming, including any original keys.

VEHICLE SELECTION

CADILLAC
CHRYSLER
DODGE
FORD USA
> HONDA

DIAGNOSTIC MENU

ECU IDENTIFICATION
> SPECIAL FUNCTIONS

PRESS ENTER KEY

PROGRAMMING KEYS

SWITCH IGNITION OFF

VEHICLE SELECTION

TYPE 1A
TYPE 1B
TYPE 1C
TYPE 2A
TYPE 2B
TYPE 2C
TYPE 3

NOTE:
You will need to follow the TCODE screens precisely.

You might consider turning off your cell phone and pager.

PROGRAMMING KEYS

SWITCH IGNITION ON

WITH SAME KEY

NOTE: Verify the TYPE from the Application Grid earlier in this section.

DIAGNOSTIC MENU

> PROGRAM KEYS
KEY INFORMATION

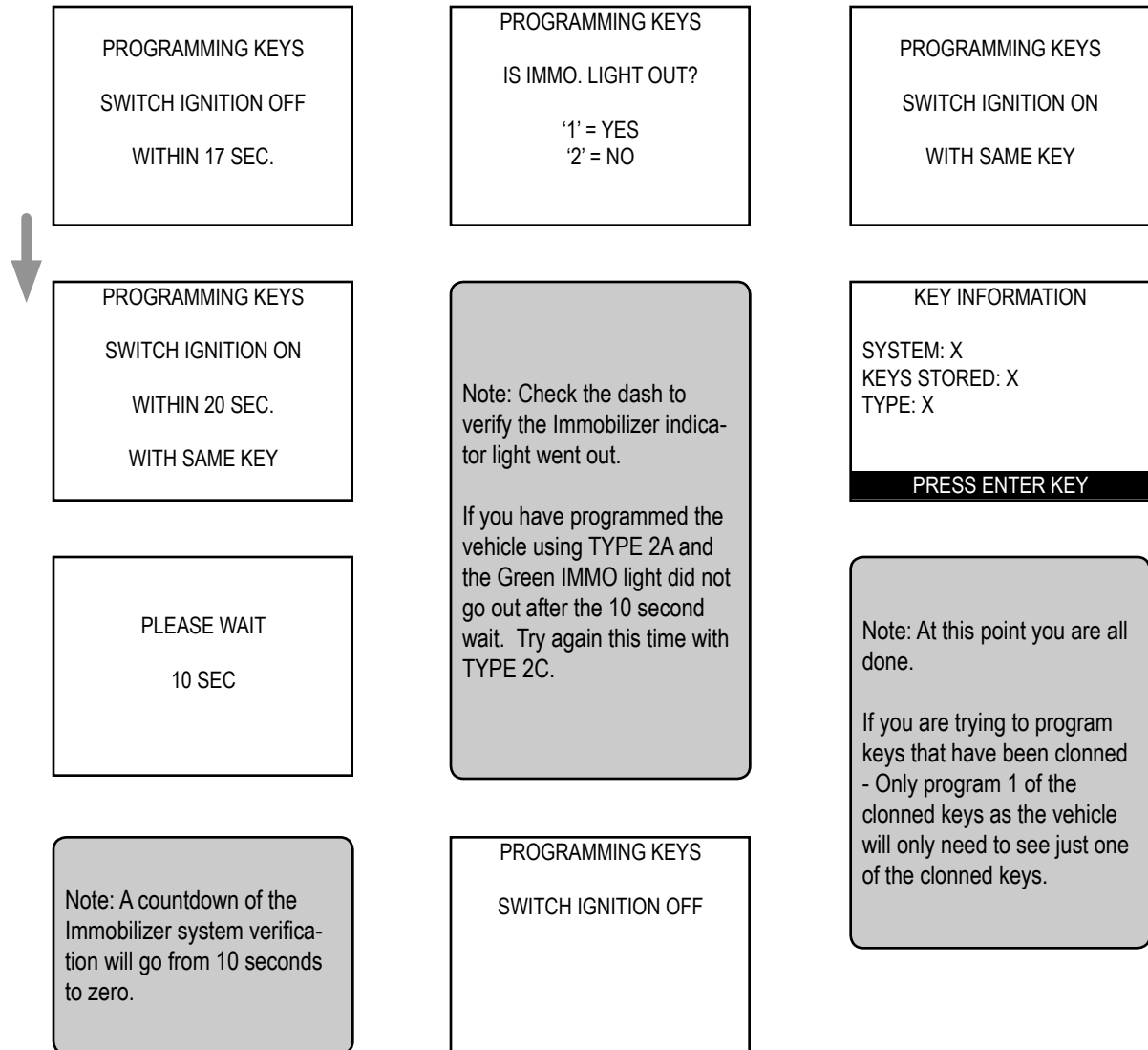
continued on next page....

T-CODE USA

Honda Type 2, 3 & 4

Use this method to PROGRAM keys

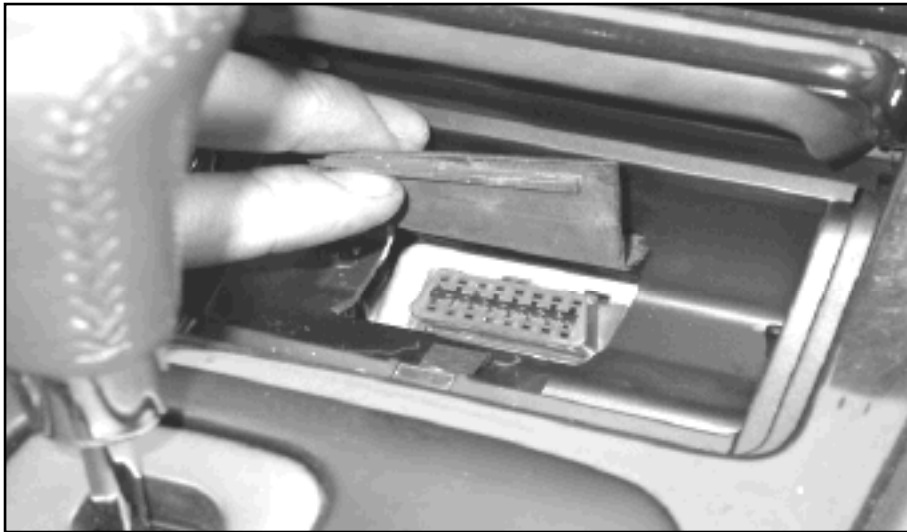
continued from prior page....



Special Note for Type 2 Honda vehicles -

We have found slight differences in a few models that use the Type 2 systems. In some cases the key will not program when using the T-CODE USA Honda adapter. You should always use the Honda adapter first and then if you are having difficulty successfully programming the key, try it without the Honda adapter. This only applies to a few cars with the Type 2 systems.

Honda OBD Ports



Some Acura models have the OBD2 port under the or behind the ash tray.



The Honda Prelude OBD2 connector is located behind a carpet cover that is in the shape of a triangle on the passenger side of the center console. Remove the cover to access the OBD2 port.

 **T-CODE USA**



Lexus & Toyota Key Programming

Lexus & Toyota

ASP T-CODE USA

Lexus / Toyota

- What You Need To Program Keys -

<i>T-CODE</i>	ADC110 Cable
 A handheld electronic device with a screen at the top and a numeric keypad below. The screen displays 'T-CODE'. The keypad has buttons for numbers 1-9, 0, a decimal point, and arrow keys.	 A black coiled cable with a connector on one end and a larger connector on the other. The text 'ADC110' is printed on the cable.

PIN

No Pin Needed

NO Adapter Needed



T-CODE USA

Vehicle Application

Section	Page
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Lexus/Toyota Actuators	207
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Lexus/Toyota Security Lights	209
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Lexus Immobiliser

Transponder Section

The following functions can be performed with your T-CODE USA software on Lexus Models:

RESET IMMOBILISER: (Type 1 & 2 Immobiliser)

This function allows you to erase all keys and to Auto Learn the new in the ignition lock at the time. This function is used when the customer has lost all their keys.

PROGRAM KEYS: (Type 2 Immobiliser)

This function allows you to add a Master or Valet key to the cars immobiliser system as long as you have an existing pre-programmed Master key to start with. The vehicle's immobiliser system can tell the difference between the transponder chip in the key for a Master or Valet.

ADD MASTER KEY: (Type 1 Immobiliser)

This function allows you to add a Master key to the cars immobiliser system as long as you have an existing pre-programmed Master key to start with. The vehicle's immobiliser system cannot tell the difference between the transponder chip in the key. So it is possible to program a Valet as a Master into the immobiliser system.

ADD VALET KEY: (Type 1 Immobiliser)

This function allows you to add a Valet key to the cars immobiliser system as long as you have an existing pre-programmed Master key to start with. The vehicle's immobiliser 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 immobiliser system.

ERASE KEYS: (Type 1 & 2 Immobiliser)

This function allows you to erase all keys except the key in the ignition lock at the time.

ADD REMOTE:

This function allows you to add the wireless remote key functions from the head of the Lexus key

ERASE REMOTE:

This function allows you to erase all other wireless remote keys and keep the one in the ignition lock at the time.

Lexus Immobiliser Transponder Section

GRID INDEX

- Only the models listed are supported -

MODELS	YEARS	KEYS TO USE	RESET IMMO GRID	ADD MASTER GRID	ADD VALET GRID	ERASE KEYS GRID
ES300	2002-2003	LEX 01	LEX 02	LEX 03	LEX 04	LEX 05
ES330	2004-2005	LEX 06	LEX 07	LEX 08	LEX 08	LEX 09
GS300	2002-2005	LEX 01	LEX 02	LEX 03	LEX 04	LEX 05
GS430	2001-2005	LEX 01	LEX 02	LEX 03	LEX 04	LEX 05
GX470	2003-2005	LEX 06	LEX 07	LEX 08	LEX 08	LEX 09
IS300	2002-2005	LEX 01	LEX 02	LEX 03	LEX 04	LEX 05
LS430	2001-2003	LEX 06	LEX 07	LEX 08	LEX 08	LEX 09
LS430	2004 (a)	LEX 06	LEX 07	LEX 08	LEX 08	LEX 09
LS430	2004 (b)	LEX 10	LEX 11	Add & Erase not supported on Smart Access system.		
LX470	2001-2002	LEX 01	LEX 02	LEX 03	LEX 04	LEX 05
LX470	2003-2005	LEX 06	LEX 07	LEX 08	LEX 08	LEX 09
RX330	2004-2005	LEX 06	LEX 07	LEX 08	LEX 08	LEX 09
SC430	2002-2005	LEX 06	LEX 07	LEX 08	LEX 08	LEX 09

(a) For LS430 models without the Smart Access system

(b) For LS430 models with the Smart Access system

Grid # LEX 01
Type 1



COMPATIBLE TRANSPONDER KEYS FOR THIS MODEL TYPE



Master



Master

Factory Part: 89785-50030

Remote Master Keys			
Model	Years	Part #	Notes
ES300	'02-'03	89070-53530	----
GS300	'02-'05	89070-50170	----
GS430	'01-'05	89070-50170	----
LX470	'01-'02	89070-60081	----
IS300	'02-'05	89070-53350	
IS300	'02-'05	89070-53530	Sedan
IS300	'02-'05	89070-53620	Sport Cross



Valet

Factory Part: 89786-50030



Factory Part: 89795-60010



Master

ILCO Part: TOY48BT4



Master

JET Part: TR48-PHT

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T-CODE USA

Grid # LEX 02
Type 1

PROCEDURE: RESET IMMOBILISER

(Use this method if you have no Master Keys.)

Insert a correctly cut transponder key and turn the ignition lock to the "ON" position.
Connect T-CODE USA and follow screens below.

VEHICLE SELECTION

MITSUBISHI
NISSAN
SUZUKI
> LEXUS/TOYOTA
V.W./AUDI GROUP

DIAGNOSTIC MENU

> RESET IMMOBILISER
ADD MASTER KEY
ADD VALET KEY
ERASE KEYS

Note: This will cause ALL keys to be erased and the Immobiliser system to Reset itself.

VEHICLE SELECTION

> IMMOBILISER
REMOTE

RESET IMMOBILISER

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 OBD2 port and remove key, wait 20 sec. and start over.

VEHICLE SELECTION

> TYPE 1
TYPE 2

RESET IMMOBILISER

PROCEDURE COMPLETE

1

PRESS ENTER KEY

Note: Remove the Master key & disconnect the T-CODE USA at this point. The Immobiliser system is now Reset.

Depending on the nature of the Immobiliser system on the vehicle;

1) The vehicle has learned the key that was in the ignition and has closed the learning cycle automatically. This happens on ES300 ('02-'03), IS300 ('02-'04) & LX470 ('01-'02) models.

(or)

2) The vehicle is now in Auto Learn mode. Auto Learn mode is indicated by the steady illumination of the Security Light.

ECU IDENTIFICATION

TOYOTA/LEXUS TYPE 1

PRESS ENTER KEY

2

If the Security Light is out, the Auto Learn mode is closed and additional keys can be programmed using the T-CODE USA.

If the Security Light is on steady, the Auto Learn mode is open and insert each key you want to program - but do not turn the key on, only insert and remove after 4 seconds. The vehicle may learn up to 4 keys before the Auto Learn cycle is shut down. The last key programmed in will become a Valet key by the Immobiliser system.

You can close the cycle early by pressing the brake pedal 6 times, very fast. (You must use a Master key for this.)

DIAGNOSTIC MENU

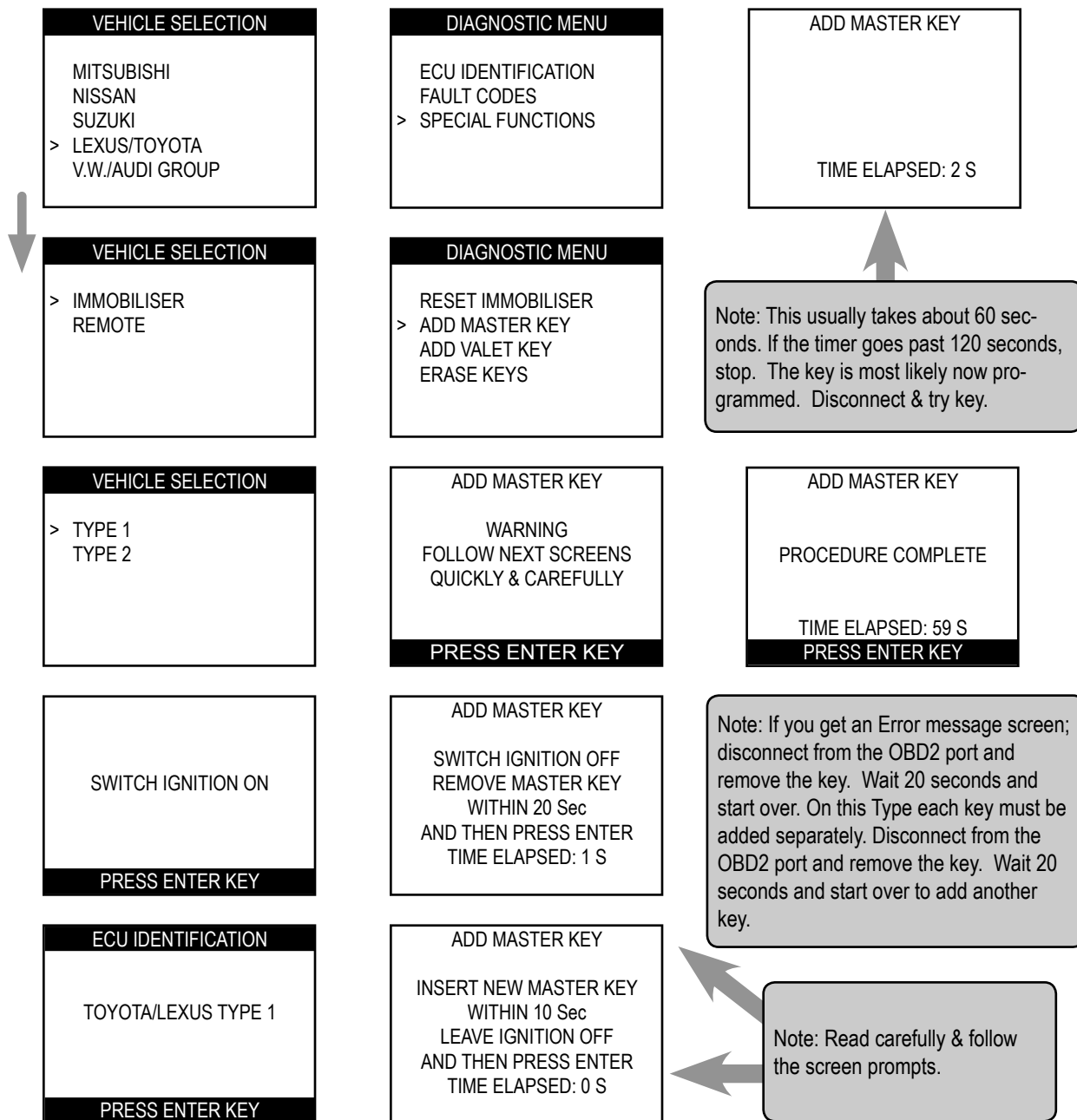
ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS



PROCEDURE: ADD 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 Immobiliser" procedure to Reset the Immobiliser system. A Valet key will not work as a substitute for a Master Key.





T-CODE USA

Grid # LEX 04

Type 1

PROCEDURE: ADD VALET 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 Immobiliser" procedure to Reset the Immobiliser system. A Valet key will not work as a substitute for a Master Key.

VEHICLE SELECTION

MITSUBISHI
NISSAN
SUZUKI
> LEXUS/TOYOTA
V.W./AUDI GROUP

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

ADD VALET KEY

TIME ELAPSED: 2 S



VEHICLE SELECTION

> IMMOBILISER
REMOTE

DIAGNOSTIC MENU

RESET IMMOBILISER
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.

VEHICLE SELECTION

> TYPE 1
TYPE 2

ADD VALET KEY

WARNING
FOLLOW NEXT SCREENS
QUICKLY & CAREFULLY

PRESS ENTER KEY

ADD VALET KEY

PROCEDURE COMPLETE

TIME ELAPSED: 59 S
PRESS ENTER KEY

SWITCH IGNITION ON

PRESS ENTER KEY

ADD VALET KEY

SWITCH IGNITION OFF
REMOVE MASTER KEY
WITHIN 20 Sec
AND THEN PRESS ENTER
TIME ELAPSED: 1 S

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.

ECU IDENTIFICATION

TOYOTA/LEXUS TYPE 1

PRESS ENTER KEY

ADD VALET KEY

INSERT NEW VALET KEY
WITHIN 10 Sec
LEAVE IGNITION OFF
AND THEN PRESS ENTER
TIME ELAPSED: 0 S

Note: Read carefully & follow the screen prompts.



PROCEDURE: ERASE KEYS (All keys erased except key in ignition)

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 Immobiliser" procedure to Reset the Immobiliser system. A Valet key will not work as a substitute for a Master Key.

VEHICLE SELECTION
MITSUBISHI
NISSAN
SUZUKI
> LEXUS/TOYOTA
V.W./AUDI GROUP

DIAGNOSTIC MENU
ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

PLEASE WAIT
TRYING TO COMMUNICATE



VEHICLE SELECTION
> IMMOBILISER
REMOTE

DIAGNOSTIC MENU
RESET IMMOBILISER
ADD MASTER KEY
ADD VALET KEY
> ERASE KEYS

ERASE KEYS

PROCEDURE COMPLETE
PRESS ENTER KEY

VEHICLE SELECTION
> TYPE 1
TYPE 2

ERASE KEYS

WARNING
FOLLOW NEXT SCREENS
QUICKLY & CAREFULLY

PRESS ENTER KEY

Note: If you get an Error message screen; disconnect and remove the key. Wait 20 seconds and start over.

SWITCH IGNITION ON

PRESS ENTER KEY

ERASE KEYS

SWITCH IGNITION OFF
REMOVE MASTER KEY
WITHIN 10 Sec

TIME ELAPSED: 1 S

ECU IDENTIFICATION

LEXUS TYPE 1

PRESS ENTER KEY

ERASE KEYS

INSERT MASTER KEY
SWITCH IGNITION ON

PRESS ENTER KEY



T-CODE USA

TROUBLESHOOTING NOTES

- 1) The Security Light can be in 2 shapes.
 - > A small blinking red circle next to the word "Security". (or)
 - > A blinking red light in the shape of a car.
-

- 2) Pay attention to the key you are using. Is it the proper key for the car?
-

- 3) Learned Immobiliser Keys:

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.

Un-Learned Immobiliser Keys: (not programmed)

The Security Light will continue to blink with the key inserted into the ignition lock.

- 4) Some "Master" keys are seen as "Valet" keys. It is not that uncommon for a pre-existing Master key to be seen by the vehicle immobiliser system as a Valet key. This is a problem if you are trying to Add more keys and do not have a key that is recognized as a Master key. In this case the immobiliser system would need to be reset.
-

- 5) If you get an Error message screen; disconnect from the OBD2 port and remove the key. Wait 20 seconds and start over.
-

- 6) Adding New Keys- this usually takes about 60 seconds. If the timer goes past 120 seconds, stop. The key is most likely now programmed. Disconnect & try key.

Grid # LEX 06
Type 2



COMPATIBLE TRANSPONDER KEYS FOR THIS MODEL TYPE



Valet

Remote Master Keys			
Model	Years	Part #	Notes
ES330	'04-'05	89070-33750	----
GX470	'03-'05	89070-60800	----
LS430	'01-'05	89070-50660	No Smart Access
LX470	'03-'05	89070-60800	----
RX330	'04-'05	89070-48820	w/Pwr Hatch
RX330	'04-'05	89070-48810	No Pwr Hatch
SC430	'02-'05	89070-24170	----

Valet Keys		
Model	Years	Part #
ES330	'03-'05	89786-50110
GX470	'03-'05	89786-60150
LS430	'01-'05	89786-50110
LX470	'03-'05	89786-60150
RX330	'03-'05	89786-60150
SC430	'02-'05	89786-50110

Note: If you are using the wrong type of key, the procedures will not work- you will be wasting your time.

NO after-market keys will work for this model type.

Only factory originals will work from the Lexus dealer.



Factory Part: 89795-50010



T-CODE USA

Grid # LEX 07
Type 2

PROCEDURE: RESET IMMOBILISER

(Use this method if you have no Master Keys.)

Insert a correctly cut transponder key and turn the ignition lock to the "ON" position.
Connect T-CODE USA and follow screens below.

VEHICLE SELECTION

MITSUBISHI
NISSAN
SUZUKI
> LEXUS/TOYOTA
V.W./AUDI GROUP

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
LIVE DATA
ACTUATORS
> SPECIAL FUNCTIONS

VEHICLE SELECTION

> IMMOBILISER
REMOTE

DIAGNOSTIC MENU

> RESET IMMOBILISER
PROGRAM KEY
ERASE KEYS

Note: This will cause ALL keys to be erased and the Immobiliser system to reset itself.

VEHICLE SELECTION

TYPE 1
> TYPE 2

RESET IMMOBILISER

GAINING ACCESS

TIME REQUIRED 30:00
TIME ELAPSED 0:28

Note: Do not be impatient. Some vehicles may go over 30 minutes. If the timer goes over 40 minutes - stop, disconnect from OBD2 port and remove key, wait 20 sec. and start over.

SWITCH IGNITION ON

PRESS ENTER KEY

RESET IMMOBILISER

PROCEDURE COMPLETE

PRESS ENTER KEY

1 Note: You must remove the Master key & Disconnect at this point. The Immobiliser system is now Reset. If you insert the correct transponder type key; the Security Light should remain steady & illuminated.

ECU IDENTIFICATION

TOYOTA/LEXUS TYPE 2

PRESS ENTER KEY

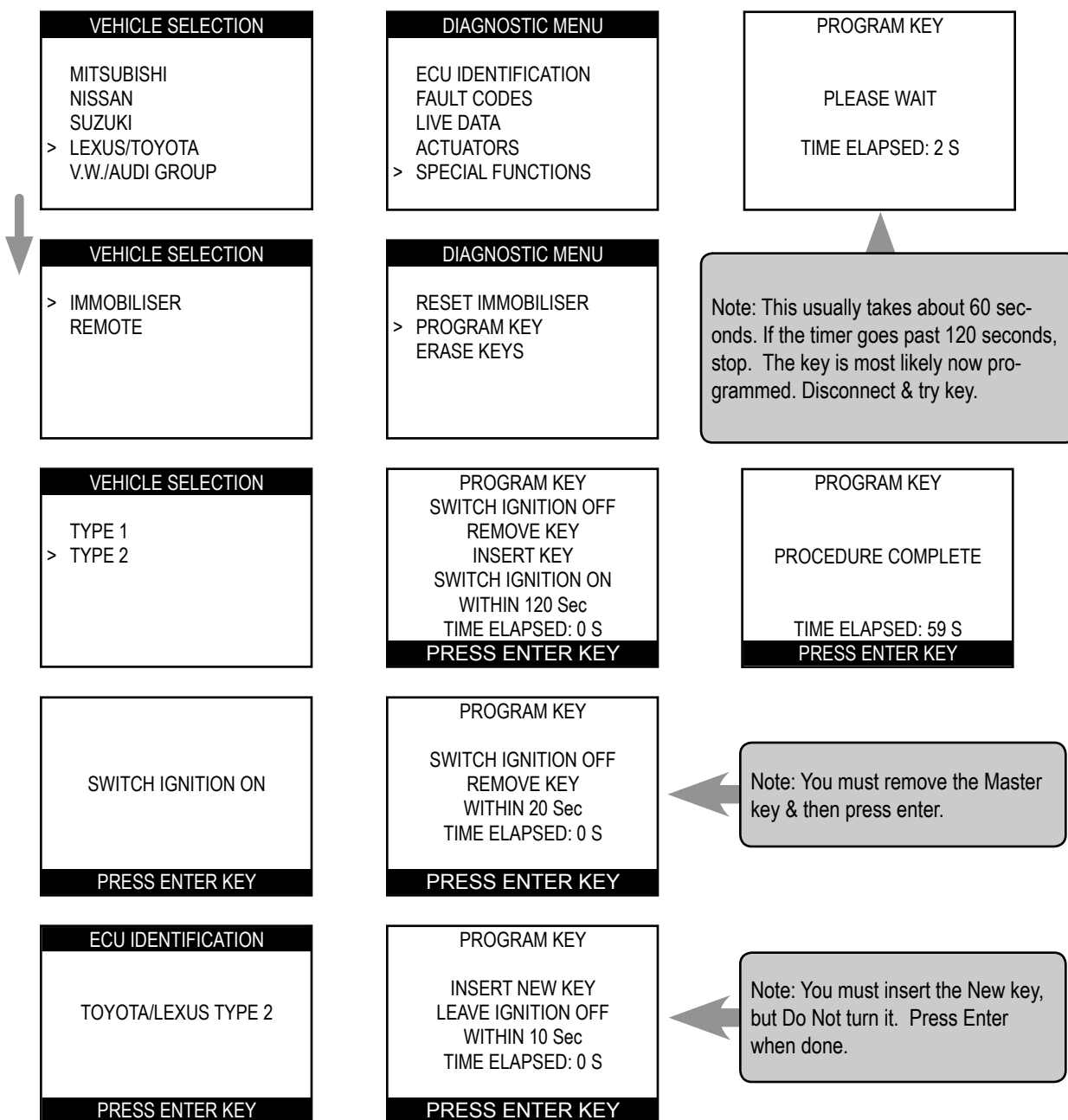
2

The vehicle is now in Auto Learn mode. Auto Learn mode is indicated by the steady illumination of the Security Light. Insert each key you want to program - but do not turn the key on - only insert and remove after 4 seconds. The vehicle may learn up to 4 keys before the Auto Learn cycle is shut down. You can close the cycle early by turning the ignition lock from Off to On and back to Off 5 times, very fast, with a Master key. On this type of vehicle the Immobiliser computer can tell the difference between a Master & Valet key by the type of transponder in the key.

PROCEDURE: ADD MASTER or VALET 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 Immobiliser" procedure to Reset the Immobiliser system. A Valet key will not work as a substitute for a Master Key.





T-CODE USA

Grid # LEX 09

Type 2

PROCEDURE: ERASE KEYS (All keys erased except key in ignition)

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 Immobiliser" procedure to Reset the Immobiliser system. A Valet key will not work as a substitute for a Master Key.

VEHICLE SELECTION

MITSUBISHI
NISSAN
SUZUKI
> LEXUS/TOYOTA
V.W./AUDI GROUP

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
LIVE DATA
ACTUATORS
> SPECIAL FUNCTIONS

ERASE KEYS

PROCEDURE COMPLETE

PRESS ENTER KEY

VEHICLE SELECTION

> IMMOBILISER
REMOTE

DIAGNOSTIC MENU

RESET IMMOBILISER
PROGRAM KEY
> ERASE KEYS

Note: If you get an Error message screen; disconnect and remove the key. Wait 20 seconds and start over.

VEHICLE SELECTION

TYPE 1
> TYPE 2

ERASE KEYS
SWITCH IGNITION OFF
REMOVE KEY
INSERT KEY
SWITCH IGNITION ON
WITHIN 120 Sec
TIME ELAPSED: 0 S
PRESS ENTER KEY

SWITCH IGNITION ON

PRESS ENTER KEY

PLEASE WAIT
TRYING TO COMMUNICATE

ECU IDENTIFICATION

LEXUS TYPE 1

PRESS ENTER KEY

ERASE KEYS
SWITCH IGNITION OFF
REMOVE KEY
WITHIN 10 Sec
TIME ELAPSED: 0 S

Grid # LEX 10
Type 2



COMPATIBLE TRANSPONDER KEYS FOR THIS MODEL TYPE

Note: This will only get the car started.

You will not be able to program the remote buttons.



Emergency Start Only - No Other Features Supported

Remote Keys				
Model	Years	Type	Part #	Notes
LS430	2004	Master	89994-50240	with optional "Smart Access"
LS430	2004	Valet	89995-50240	with optional "Smart Access"

Note: NO after-market keys will work for this model type.

Only factory originals will work from the Lexus dealer.



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PROCEDURE: RESET IMMOBILISER

(Use this method if you have no Master Keys.)

Insert the correct Remote and turn the ignition lock to the "ON" position.

Connect T-CODE USA and follow screens below.

VEHICLE SELECTION

MITSUBISHI
NISSAN
SUZUKI
> LEXUS/TOYOTA
V.W./AUDI GROUP

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
LIVE DATA
ACTUATORS
> SPECIAL FUNCTIONS



VEHICLE SELECTION

> IMMOBILISER
REMOTE

DIAGNOSTIC MENU

> RESET IMMOBILISER
PROGRAM KEY
ERASE KEYS

Note: This will cause ALL keys to be erased and the Immobiliser system to reset itself.

VEHICLE SELECTION

TYPE 1
> TYPE 2

RESET IMMOBILISER

GAINING ACCESS

TIME REQUIRED 30:00
TIME ELAPSED 0:28

Note: Do not be impatient. Some vehicles may go over 30 minutes. If the timer goes over 40 minutes - stop, disconnect from OBD2 port and remove key, wait 20 sec. and start over.

SWITCH IGNITION ON

PRESS ENTER KEY

RESET IMMOBILISER

PROCEDURE COMPLETE

PRESS ENTER KEY

Note: You must remove the Master key & Disconnect at this point. The Immobiliser system is now Reset. If you insert the correct transponder type key; the Security Light should remain steady & illuminated.

Note: A un-programmed remote will not turn the ign. Just insert in Off position.

2



ECU IDENTIFICATION

TOYOTA/LEXUS TYPE 2

PRESS ENTER KEY

The vehicle is now in Auto Learn mode. Auto Learn mode is indicated by the steady illumination of the Security Light. Insert each key you want to program - but do not turn the key on - only insert and remove after 4 seconds. The vehicle may learn up to 4 keys before the Auto Learn cycle is shut down. You can close the cycle early by turning the ignition lock from Off to On and back to Off 5 times, very fast. On this type of vehicle the Immobiliser computer can tell the difference between a Master & Valet key by the type of transponder in the key.

NOTES

Lexus Remote Wireless Section GRID INDEX

- Only the models listed are supported -

MODELS	YEARS	ADD REMOTE GRID	ERASE REMOTE GRID	SYSTEM TYPE
ES300	2002-2003	On Board LEX 14 R	On Board LEX 15 R	N/A
ES330	2004-2005	On Board LEX 14 R	On Board LEX 15 R	N/A
GS300	2002-2005	LEX 12 R	LEX 13 R	3
GS430	2001-2005	LEX 12 R	LEX 13 R	3
GX470	2003-2005	LEX 12 R	LEX 13 R	2
IS300	2002-2005	LEX 12 R	LEX 13 R	3
LS430	2001-2003	LEX 12 R	LEX 13 R	1
LS430	2004 (a)	LEX 12 R	LEX 13 R	1
LS430	2004 (b)	(Not Supported on Smart Access at this time)		
LX470	2001-2002	On Board LEX 16 R	On Board LEX 17 R	N/A
LX470	2003-2005	LEX 12 R	LEX 13 R	2
RX330	2004-2005	LEX 12 R	LEX 13 R	2
SC430	2002-2005	LEX 12 R	LEX 13 R	1
(a) For LS430 models <u>without</u> the Smart Access system				
(b) For LS430 models with the Smart Access system				



PROCEDURE: ADD WIRELESS SECTION OF REMOTE KEY

Insert a key and turn the ignition lock to the "ON" position. Connect and follow screens.

VEHICLE SELECTION

MITSUBISHI
NISSAN
SUZUKI
> LEXUS/TOYOTA
V.W./AUDI GROUP

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
ACTUATORS
> SPECIAL FUNCTIONS

PROGRAM REMOTE

PROCEDURE COMPLETE

PRESS ENTER KEY



VEHICLE SELECTION

IMMOBILISER
> REMOTE

DIAGNOSTIC MENU

> PROGRAM REMOTE
ERASE REMOTES

VEHICLE SELECTION

TYPE 1
TYPE 2
TYPE 3

PROGRAM REMOTE

SWITCH IGNITION ON
UNLOC. DRV. DOOR
OPEN DRIV. DOOR

PRESS ENTER KEY

Note:
Follow the Screen prompts.

Note: Lexus Remote Type to use is found on the Wireless Grid chart.

PROGRAM REMOTE

FOLLOW NEXT SCREENS QUICKLY & CAREFULLY

COMPLETE OPERATION WITHIN 30 Sec. AFTER PRESSING ENTER

SWITCH IGNITION ON

PRESS ENTER KEY

PROGRAM REMOTE

PRESS LOCK & UNLOCK TOGETHER FOR 1 Sec.

WITHIN 3 Sec PRESS EITHER KEY FOR 1 Sec
TIME ELAPSED: 0 S

Note: Press the Lock & Unlock buttons together for 1 second and quickly press either Lock or Unlock button for 1 second. You must be fast on the button operation.

ECU IDENTIFICATION

TOYOTA/LEXUS
REMOTE

PRESS ENTER KEY



PROCEDURE: ERASE WIRELESS SECTION OF REMOTE KEY

Insert a key and turn the ignition lock to the "ON" position. Connect and follow screens.

VEHICLE SELECTION

MITSUBISHI
NISSAN
SUZUKI
> LEXUS/TOYOTA
V.W./AUDI GROUP

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
ACTUATORS
> SPECIAL FUNCTIONS

ERASE REMOTES

PROCEDURE COMPLETE

PRESS ENTER KEY



VEHICLE SELECTION

IMMOBILISER
> REMOTE

DIAGNOSTIC MENU

PROGRAM REMOTE
> ERASE REMOTES

Note: All the Remotes are now erased except for the one you used to complete this operation.

VEHICLE SELECTION

TYPE 1
TYPE 2
TYPE 3

ERASE REMOTES

SWITCH IGNITION ON
UNLOC. DRV. DOOR
OPEN DRV. DOOR

PRESS ENTER KEY

Note: Follow the Screen prompts.

Note: Lexus Remote Type to use is found on the Wireless Grid chart.

ERASE REMOTES

FOLLOW NEXT SCREENS QUICKLY & CAREFULLY

COMPLETE OPERATION WITHIN 30 Sec. AFTER PRESSING ENTER

SWITCH IGNITION ON

PRESS ENTER KEY

ERASE REMOTES

PRESS LOCK & UNLOCK TOGETHER FOR 1 Sec.

WITHIN 3 Sec PRESS EITHER KEY FOR 1 Sec
TIME ELAPSED: 0 S

Note: Press the Lock & Unlock buttons together for 1 second and quickly press either Lock or Unlock button for 1 second. You must be fast on the button operation.

ECU IDENTIFICATION

TOYOTA/LEXUS
REMOTE

PRESS ENTER KEY

Grid # LEX 14 R
On Board



T-CODE USA

PROCEDURE: ADD WIRELESS SECTION OF REMOTE KEY

Use this procedure to Add the Wireless Remote section of the key .

- 1) To start make sure nothing is in the ignition lock cylinder and only the driver's door is open and unlocked.
- 2) Within 4-5 seconds, put the key in the ignition twice and remove 2 times.
- 3) Close the drivers door and open again 2 times.
- 4) Put the key in the ignition and remove.
- 5) Close the drivers door and open again 2 times.
- 6) Put the key in the ignition and close all the doors.
- 7) Turn the ignition on for 1 second and then off.
- 8) Remove the key from the ignition
- 9) The power door locks should now cycle 1 time.
- 10) Press the Unlock & Lock buttons at the same time for 1 second and then quickly press the Unlock button for 2 seconds.
- 11) If the Wireless Remote section of the key has been accepted the door locks should cycle 1 time. If it has failed the door locks will cycle 2 times.
- 12) Open the driver's door to finish.

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T-CODE USA

Grid # LEX 15 R
On Board

PROCEDURE: ERASE WIRELESS SECTION OF REMOTE KEY

Use this procedure to Erase all other Wireless Remote keys except the one you are using.

- 1) To start make sure nothing is in the ignition lock cylinder and only the driver's door is open and unlocked.
- 2) Within 4-5 seconds, put the key in the ignition twice and remove 2 times.
- 3) Close the drivers door and open again 2 times.
- 4) Put the key in the ignition and remove.
- 5) Close the drivers door and open again 2 times.
- 6) Put the key in the ignition and close all the doors.
- 7) Turn the ignition on for 1 second and then off and then back to on for 1 second and then off .
- 8) Remove the key from the ignition
- 9) The power door locks should now cycle 2 times.
- 10) Press the Unlock & Lock buttons at the same time for 1 second and then quickly press the Unlock button for 2 seconds.
- 11) If the Wireless Remote section of the key has been accepted the door locks should cycle 1 time. If it has failed the door locks will cycle 2 times.
- 12) Open the driver's door to finish.

Grid # LEX 16 R
On Board



T-CODE USA

PROCEDURE: ADD WIRELESS SECTION OF REMOTE KEY

Use this procedure to Add the Wireless Remote section of the key .

- 1) To start make sure nothing is in the ignition lock cylinder and only the driver's door is open and unlocked.
- 2) Put the key in the ignition and remove.
- 3) Press the Lock button for 1 second, press the Unlock button for 1 second, do this 5 times.
- 4) Close the drivers door and open it.
- 5) Press the Lock button for 1 second, press the Unlock button for 1 second, do this 5 times.
- 6) Put the key in the ignition.
- 7) Turn the ignition on for 1 second and then off and remove.
- 8) The power door locks should now cycle 1 time.
- 9) Press the Unlock button for 2 seconds.
- 10) Press the Unlock & Lock buttons at the same time for 1 1/2 second and then quickly press the Unlock button for 2 seconds.
- 11) If the Wireless Remote section of the key has been accepted the door locks should cycle 1 time. If it has failed the door locks will cycle 2 times.
- 12) Open the driver's door to finish.

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PROCEDURE: ERASE WIRELESS SECTION OF REMOTE KEY

Use this procedure to Erase all other Wireless Remote keys except the one you are using.

- 1) To start make sure nothing is in the ignition lock cylinder and only the driver's door is open and unlocked.
- 2) Put the key in the ignition and remove.
- 3) Press the Lock button for 1 second, press the Unlock button for 1 second, do this 5 times.
- 4) Close the drivers door and open it.
- 5) Press the Lock button for 1 second, press the Unlock button for 1 second, do this 5 times.
- 6) Put the key in the ignition.
- 7) Turn the ignition on for 1 second and then off for 1 second and then on for 1 second and remove.
- 8) The power door locks should now cycle 2 times.
- 9) Press the Lock & Unlock button for 2 seconds and then press Unlock for 1 second.
- 10) Press the Unlock & Lock buttons at the same time for 1 1/2 second and then quickly press the Unlock button for 2 seconds.
- 11) If the Wireless Remote section of the key has been accepted the door locks should cycle 1 time. If it has failed the door locks will cycle 2 times.
- 12) Open the driver's door to finish.

Toyota Immobiliser Transponder Section

The following functions can be performed with your T-CODE USA software on Toyota Models:

RESET IMMOBILISER: (Type 1 & 2 Immobiliser)

This function allows you to erase all keys and to Auto Learn the new in the ignition lock at the time. This function is used when the customer has lost all their keys.

PROGRAM KEYS: (Type 2 Immobiliser)

This function allows you to add a Master or Valet key to the cars immobiliser system as long as you have an existing pre-programmed Master key to start with. The vehicle's immobiliser system can tell the difference between the transponder chip in the key for a Master or Valet.

ADD MASTER KEY: (Type 1 Immobiliser)

This function allows you to add a Master key to the cars immobiliser system as long as you have an existing pre-programmed Master key to start with. The vehicle's immobiliser system cannot tell the difference between the transponder chip in the key. So it is possible to program a Valet as a Master into the immobiliser system.

ADD VALET KEY: (Type 1 Immobiliser)

This function allows you to add a Valet key to the cars immobiliser system as long as you have an existing pre-programmed Master key to start with. The vehicle's immobiliser 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 immobiliser system.

ERASE KEYS: (Type 1 & 2 Immobiliser)

This function allows you to erase all keys except the key in the ignition lock at the time.

Toyota Immobiliser Transponder Section GRID INDEX

- Only the models listed are supported -

MODELS	YEARS	KEYS TO USE	RESET IMMO GRID	ADD MASTER GRID	ADD VALET GRID	ERASE KEYS GRID
4Runner	2001-2002	TOY 01	TOY 02	TOY 03	TOY 04	TOY 05
4Runner	2003-2005	TOY 06	TOY 07	TOY 08	TOY 08	TOY 09
Camry (b)	2002	TOY 01	TOY 02	TOY 03	TOY 04	TOY 05
Camry (b)	2003-2005	See page 184 for specific key & programming details.				
Corolla	2005	TOY 06	TOY 07	TOY 08	TOY 08	TOY 09
Highlander (b)	2001-2003 4cyl engine models only	TOY 01	TOY 02	TOY 03	TOY 04	TOY 05
Highlander (b)	2004-2005	TOY 06	TOY 07	TOY 08	TOY 08	TOY 09
Land Cruiser	2001-2002	TOY 01	TOY 02	TOY 03	TOY 04	TOY 05
Land Cruiser	2003-2005	TOY 06	TOY 07	TOY 08	TOY 08	TOY 09
Matrix	2005	TOY 06	TOY 07	TOY 08	TOY 08	TOY 09
Prius	2004-2005	TOY 19 P	TOY 20 P	Reset Immobiliser only on this model		
Solara (b)	2002-2003 4cyl engine models only	TOY 01	TOY 02	TOY 03	TOY 04	TOY 05
Solara (b)	2004-2005	TOY 06	TOY 07	TOY 08	TOY 08	TOY 09
Sequoia	2001-2002 see footnote (a)	TOY 01	TOY 02	TOY 03	TOY 04	TOY 05
Sienna (b)	2004-2005	TOY 06	TOY 07	TOY 08	TOY 08	TOY 09

(a) 2003-2004 Sequoia models are not supported. Replacement of Immobiliser ECU is necessary.

(b) Transponder system is optional on these models - it is not on all models.

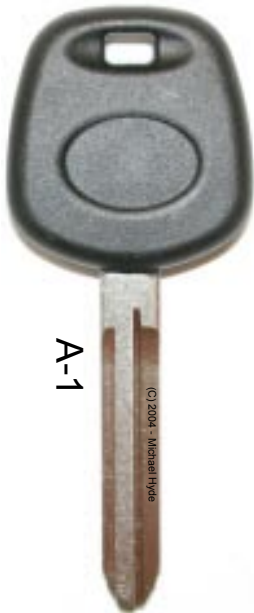
Grid # TOY 01
Type 1



COMPATIBLE TRANSPONDER KEYS FOR THIS MODEL TYPE

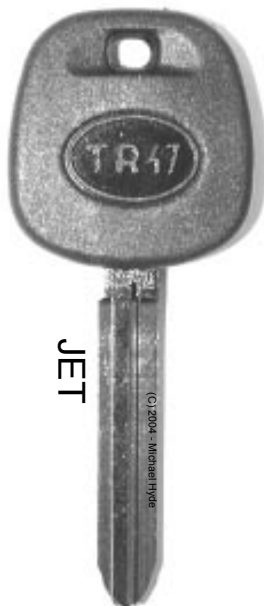


Toyota Master Keys						
Model	Years	Factory Part #	JET	ILCO	A-1	Notes
4Runner	'01-'02	89785-26020	TR47-PHT	TOY43AT4	TOY43-AT4	
Camry	2002	89785-26020	TR47-PHT	TOY43AT4	TOY43-AT4	
Highlander	'01-'03	89785-26020	TR47-PHT	TOY43AT4	TOY43-AT4	
Land Cruiser	'01-'02	89785-26020	TR47-PHT	TOY43AT4	TOY43-AT4	Non-Remote
Land Cruiser	'01-'02	89070-60090	n/a	n/a	n/a	With Remote
Sequoia	'01-'02	89785-41020	TR47-PHT	TOY43AT4	TOY43-AT4	
Solara	'02-'03	89785-26020	TR47-PHT	TOY43AT4	TOY43-AT4	



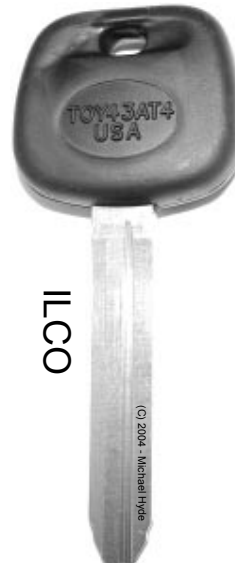
A-1

(C) 2004 - Michael Hyde



JET

(C) 2004 - Michael Hyde



ILCO

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T-CODE USA

Grid # TOY 02
Type 1

PROCEDURE: RESET IMMOBILISER

(Use this method if you have no Master Keys.)

Insert a correctly cut transponder key and turn the ignition lock to the "ON" position.
Connect T-CODE USA and follow screens below.

VEHICLE SELECTION

MITSUBISHI
NISSAN
SUZUKI
> LEXUS/TOYOTA
V.W./AUDI GROUP

DIAGNOSTIC MENU

> RESET IMMOBILISER
ADD MASTER KEY
ADD VALET KEY
ERASE KEYS

Note: This will cause ALL keys to be erased and the Immobiliser system to Reset itself.

VEHICLE SELECTION

> IMMOBILISER
REMOTE

RESET IMMOBILISER

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 OBD2 port and remove key, wait 20 sec. and start over.

VEHICLE SELECTION

> TYPE 1
TYPE 2

RESET IMMOBILISER

PROCEDURE COMPLETE

1

PRESS ENTER KEY

Note: Remove the Master key & disconnect at this point. The Immobiliser system is now Reset.

Depending on the nature of the Immobiliser system on the vehicle;

1) The vehicle has learned the key that was in the ignition and has closed the learning cycle automatically. This happens on some Camry & Land-Cruiser models.

(or)

2) The vehicle is now in Auto Learn mode. Auto Learn mode is indicated by the steady illumination of the Security Light.

ECU IDENTIFICATION

TOYOTA/LEXUS TYPE 1

PRESS ENTER KEY

2 ↑

If the Security Light is out, the Auto Learn mode is closed and additional keys can be programmed using the T-CODE USA.

If the Security Light is on steady, the Auto Learn mode is open and insert each key you want to program - but do not turn the key on, only insert and remove after 4 seconds. The vehicle may learn up to 4 keys before the Auto Learn cycle is shut down. The last key programmed in will become a Valet key by the Immobiliser system.

You can close the cycle early by pressing the brake pedal 6 times, very fast. (You must use a Master key for this.)

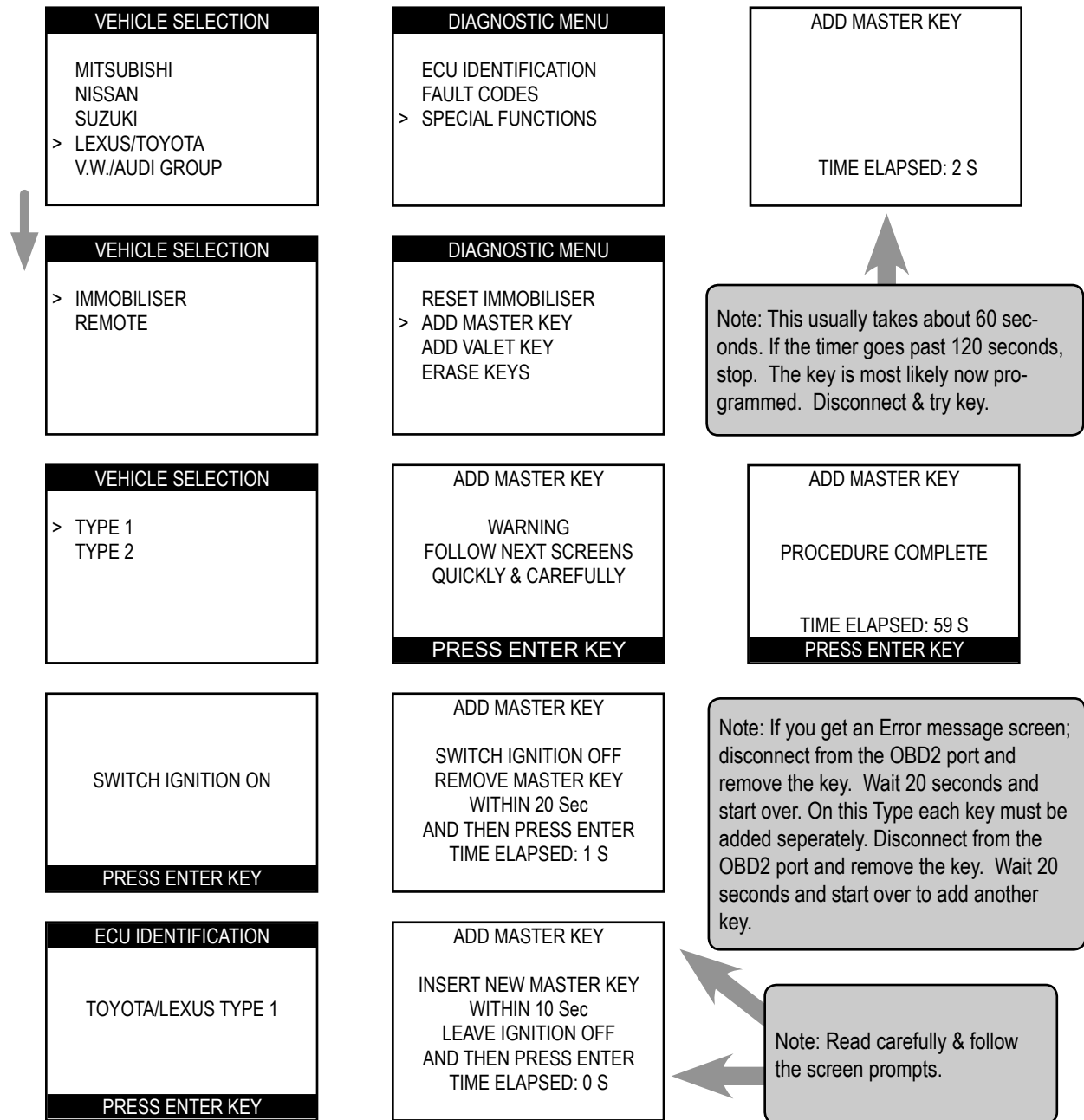
DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

PROCEDURE: ADD 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 Immobiliser" procedure to Reset the Immobiliser system. A Valet key will not work as a substitute for a Master Key.

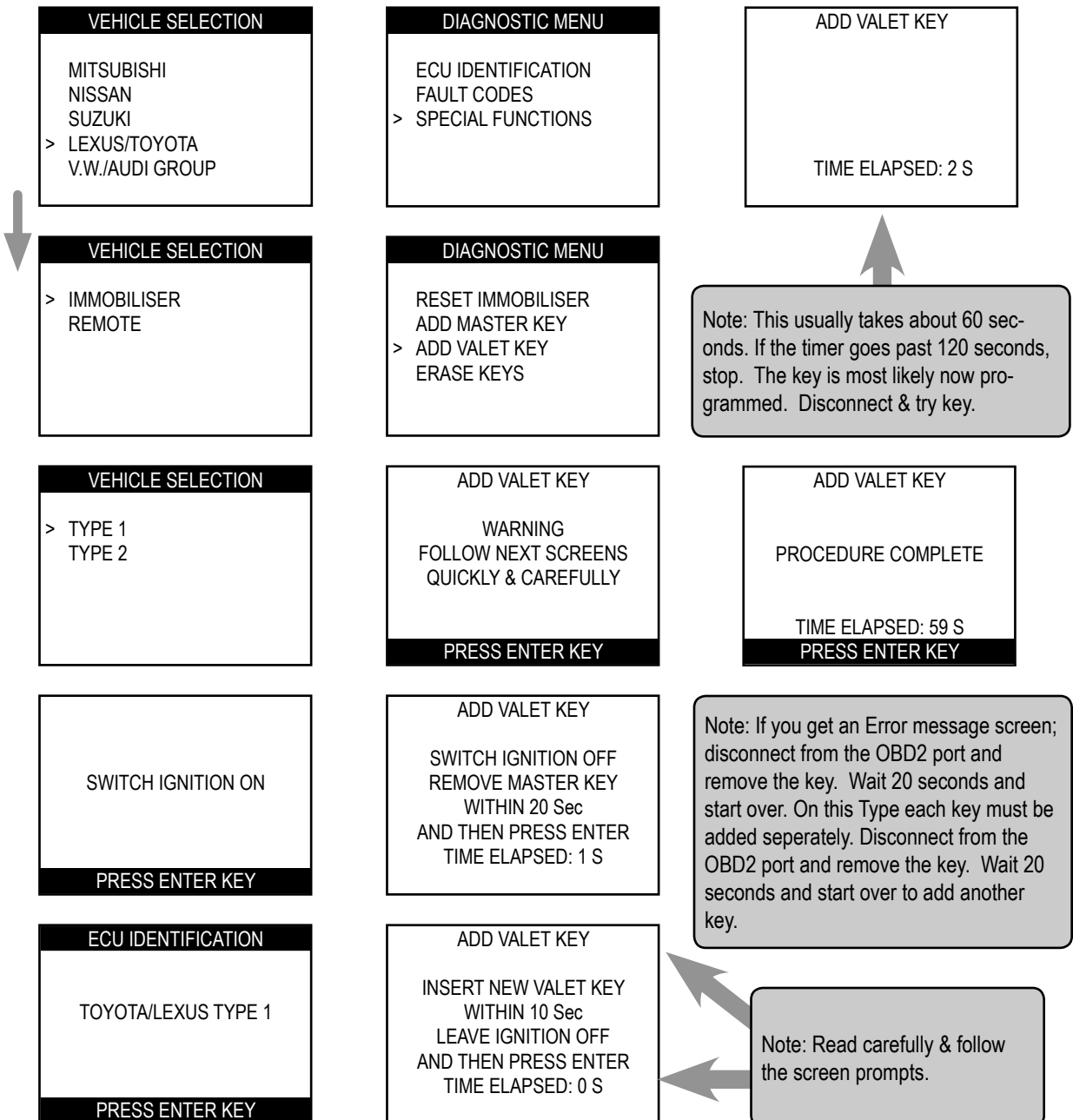




PROCEDURE: ADD VALET KEY

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 Immobiliser" procedure to Reset the Immobiliser system. A Valet key will not work as a substitute for a Master Key.





PROCEDURE: ERASE KEYS (All keys erased except key in ignition)

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 Immobiliser" procedure to Reset the Immobiliser system. A Valet key will not work as a substitute for a Master Key.

VEHICLE SELECTION
MITSUBISHI
NISSAN
SUZUKI
> LEXUS/TOYOTA
V.W./AUDI GROUP

DIAGNOSTIC MENU
ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

PLEASE WAIT
TRYING TO COMMUNICATE



VEHICLE SELECTION
> IMMOBILISER
REMOTE

DIAGNOSTIC MENU
RESET IMMOBILISER
ADD MASTER KEY
ADD VALET KEY
> ERASE KEYS

ERASE KEYS
PROCEDURE COMPLETE
PRESS ENTER KEY

VEHICLE SELECTION
> TYPE 1
TYPE 2

ERASE KEYS
WARNING
FOLLOW NEXT SCREENS
QUICKLY & CAREFULLY
PRESS ENTER KEY

Note: If you get an Error message screen;
disconnect and remove the key.
Wait 20 seconds and start over.

SWITCH IGNITION ON
PRESS ENTER KEY

ERASE KEYS
SWITCH IGNITION OFF
REMOVE MASTER KEY
WITHIN 10 Sec
TIME ELAPSED: 1 S

ECU IDENTIFICATION
LEXUS TYPE 1
PRESS ENTER KEY

ERASE KEYS
INSERT MASTER KEY
SWITCH IGNITION ON
PRESS ENTER KEY



T-CODE USA

TROUBLESHOOTING NOTES

- 1) The Security Light can be in 2 shapes.
 - > A small blinking red circle next to the word "Security". (or)
 - > A blinking red light in the shape of a car.
-

- 2) Pay attention to the key you are using. Is it the proper key for the car.
-

- 3) Learned Immobiliser Keys:

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.

Un-Learned Immobiliser Keys: (not programmed)

The Security Light will continue to blink with the key inserted into the ignition lock.

- 4) Some "Master" keys are seen as "Valet" keys. It is not that uncommon for a pre-existing Master key to be seen by the vehicle immobiliser system as a Valet key. This is a problem if you are trying to Add more keys and do not have a key that is recognized as a Master key. In this case the immobiliser system would need to be reset.
-

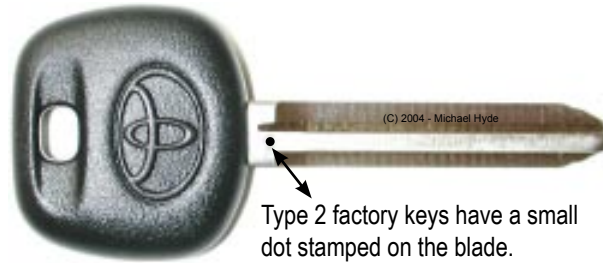
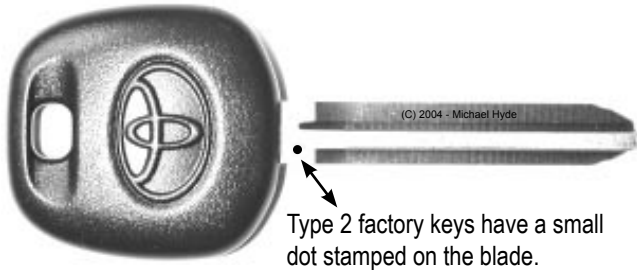
- 5) If you get an Error message screen; disconnect from the OBD2 port and remove the key. Wait 20 seconds and start over.
-

- 6) Adding New Keys- this usually takes about 60 seconds. If the timer goes past 120 seconds, stop. The key is most likely now programmed. Disconnect & try key.

Grid # TOY 06
Type 2



COMPATIBLE TRANSPONDER KEYS FOR THIS MODEL TYPE



Toyota Factory Master Keys			
Model	Years	Part #	Notes
4Runner	'03-'05	89785-60160	----
Corolla	2005	89785-08020	----
Highlander	'04-'05	89785-60160	----
Land Cruiser	'03-'05	89070-60750	With Remote
Matrix	2005	89785-08020	----
Sienna	'04-'05	89785-08020	----
Solara	'04-'05	89785-08020	----

Note: If you are using the wrong type of key, the procedures will not work- you will be wasting your time.

NO after-market keys will work for this model type.

Only factory originals will work from the Toyota dealer.



T-CODE USA

Grid # TOY 07
Type 2

PROCEDURE: RESET IMMOBILISER

(Use this method if you have no Master Keys.)

Insert a correctly cut transponder key and turn the ignition lock to the "ON" position.
Connect T-CODE USA and follow screens below.

VEHICLE SELECTION

MITSUBISHI
NISSAN
SUZUKI
> LEXUS/TOYOTA
V.W./AUDI GROUP

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
LIVE DATA
ACTUATORS
> SPECIAL FUNCTIONS

VEHICLE SELECTION

> IMMOBILISER
REMOTE

DIAGNOSTIC MENU

> RESET IMMOBILISER
PROGRAM KEY
ERASE KEYS

Note: This will cause ALL keys to be erased and the Immobiliser system to reset itself.

VEHICLE SELECTION

TYPE 1
> TYPE 2

RESET IMMOBILISER

GAINING ACCESS

TIME REQUIRED 30:00
TIME ELAPSED 0:28

Note: Do not be impatient. Some vehicles may go over 30 minutes. If the timer goes over 40 minutes - stop, disconnect from OBD2 port and remove key, wait 20 sec. and start over.

SWITCH IGNITION ON

PRESS ENTER KEY

RESET IMMOBILISER

PROCEDURE COMPLETE

PRESS ENTER KEY

Note: You must remove the Master key & Disconnect at this point. **1**
The Immobiliser system is now Reset. If you insert the correct transponder type key; the Security Light should remain steady & illuminated.

ECU IDENTIFICATION

TOYOTA/LEXUS TYPE 2

PRESS ENTER KEY

2

The vehicle is now in Auto Learn mode. Auto Learn mode is indicated by the steady illumination of the Security Light. Insert each key you want to program - but do not turn the key on - only insert and remove after 4 seconds. The vehicle may learn up to 4 keys before the Auto Learn cycle is shut down. You can close the cycle early by turning the ignition lock from Off to On and back to Off 5 times, very fast, with a Master key. On this type of vehicle the Immobiliser computer can tell the difference between a Master & Valet key by the type of transponder in the key.



PROCEDURE: ADD MASTER or VALET 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 Immobiliser" procedure to Reset the Immobiliser system. A Valet key will not work as a substitute for a Master Key.

VEHICLE SELECTION
MITSUBISHI
NISSAN
SUZUKI
> LEXUS/TOYOTA
V.W./AUDI GROUP

DIAGNOSTIC MENU
ECU IDENTIFICATION
FAULT CODES
LIVE DATA
ACTUATORS
> SPECIAL FUNCTIONS

PROGRAM KEY

PLEASE WAIT

TIME ELAPSED: 2 S



VEHICLE SELECTION
> IMMOBILISER
REMOTE

DIAGNOSTIC MENU
RESET IMMOBILISER
> PROGRAM 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.

VEHICLE SELECTION
TYPE 1
> TYPE 2

PROGRAM KEY
SWITCH IGNITION OFF
REMOVE KEY
INSERT KEY
SWITCH IGNITION ON
WITHIN 120 Sec
TIME ELAPSED: 0 S
PRESS ENTER KEY

PROGRAM KEY

PROCEDURE COMPLETE

TIME ELAPSED: 59 S
PRESS ENTER KEY

SWITCH IGNITION ON

PRESS ENTER KEY

PROGRAM KEY
SWITCH IGNITION OFF
REMOVE KEY
WITHIN 20 Sec
TIME ELAPSED: 0 S
PRESS ENTER KEY

Note: You must remove the Master key & then press enter.

ECU IDENTIFICATION

TOYOTA/LEXUS TYPE 2

PRESS ENTER KEY

PROGRAM KEY
INSERT NEW KEY
LEAVE IGNITION OFF
WITHIN 10 Sec
TIME ELAPSED: 0 S
PRESS ENTER KEY

Note: You must insert the New key, but Do Not turn it. Press Enter when done.



T-CODE USA

Grid # TOY 09
Type 2

PROCEDURE: ERASE KEYS (All keys erased except key in ignition)

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 Immobiliser" procedure to Reset the Immobiliser system. A Valet key will not work as a substitute for a Master Key.

VEHICLE SELECTION

MITSUBISHI
NISSAN
SUZUKI
> LEXUS/TOYOTA
V.W./AUDI GROUP

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
LIVE DATA
ACTUATORS
> SPECIAL FUNCTIONS

ERASE KEYS

PROCEDURE COMPLETE

PRESS ENTER KEY

VEHICLE SELECTION

> IMMOBILISER
REMOTE

DIAGNOSTIC MENU

RESET IMMOBILISER
PROGRAM KEY
> ERASE KEYS

Note: If you get an Error message screen; disconnect and remove the key.

Wait 20 seconds and start over.

VEHICLE SELECTION

TYPE 1
> TYPE 2

ERASE KEYS
SWITCH IGNITION OFF
REMOVE KEY
INSERT KEY
SWITCH IGNITION ON
WITHIN 120 Sec
TIME ELAPSED: 0 S
PRESS ENTER KEY

SWITCH IGNITION ON

PRESS ENTER KEY

PLEASE WAIT
TRYING TO COMMUNICATE

ECU IDENTIFICATION

LEXUS TYPE 1

PRESS ENTER KEY

ERASE KEYS
SWITCH IGNITION OFF
REMOVE KEY
WITHIN 10 Sec
TIME ELAPSED: 0 S

Toyota Immobiliser

Transponder Section

2003-2004 CAMRY

2003-2004 Toyota Camry models use various keys depending on engine size and where and when the car was produced. It also makes a difference if the vehicle was made for California or not for California.

The first thing to determine is where the car was manufactured. If the vehicle was made in America it will have a "1" or "4" as the first digit in the VIN. If the vehicle was made in Japan it will have a "J" as the first digit in the VIN.

Next is the engine size. Is it a 4 cylinder or 6 cylinder?

Next is the date of production. The production sticker is located on either the Drivers door or Drivers door opening frame.

Camry's made for the California market have a "California" Emissions sticker. Camry's made for other states have a "Federal" Emissions sticker. The Emissions sticker is located on the hood or near the engine.

- CHECK THE CHART THAT MATCHES YOUR CAMRY -

AMERICAN MADE CAMRY 4-CYL & 6-CYL for OTHER STATES (FEDERAL)			
First Digit in VIN is:	Production Month Sticker on Door	Federal Emissions with 4 & 6 Cylinder Engine	T-CODE USA IMMO TYPE
January 2003 is a split month where 2 different key types are possible.			
1 or 4	Sept 2002 thru Jan 2003	89785-26020*	see Type 1
1 or 4	Jan 2003 thru 2004	89785-60160	see Type 2
* 89785-26020 is also same as JET TR47-PHT & ILCO TOY43AT4			

Toyota Immobiliser

Transponder Section

2003-2004 CAMRY

- CHECK THE CHART THAT MATCHES YOUR CAMRY -

AMERICAN MADE 4-CYL CAMRY for CALIFORNIA			
First Digit in VIN is:	Production Month Sticker on Door	California Emissions with 4 Cylinder Engine	T-CODE USA IMMO TYPE
1 or 4	Sept 2002 thru 2004	89785-26020*	see Type 1
* 89785-26020 is also same as JET TR47-PHT & ILCO TOY43AT4			

AMERICAN MADE 6-CYL CAMRY for CALIFORNIA			
First Digit in VIN is:	Production Month Sticker on Door	California Emissions with 6 Cylinder Engine	T-CODE USA IMMO TYPE
January 2003 is a split month where 2 different key types are possible.			
1 or 4	Sept 2002 thru Jan 2003	89785-26020*	see Type 1
1 or 4	Jan 2003 thru 2004	89785-60160	see Type 2
* 89785-26020 is also same as JET TR47-PHT & ILCO TOY43AT4			

Charts are continued on next page >>>>

Toyota Immobiliser Transponder Section 2003-2004 CAMRY

- CHECK THE CHART THAT MATCHES YOUR CAMRY -

JAPANESE MADE 4-CYL CAMRY for CALIFORNIA

First Digit in VIN is:	Production Month Sticker on Door	California Emissions with 4 Cylinder Engine	T-CODE USA IMMO TYPE
July 2003 is a split month where 2 different key types are possible.			
"J"	Sept 2002 thru July 2003	89785-26020*	see Type 1
"J"	July 2003 thru 2004	89785-60160	see Type 2
* 89785-26020 is also same as JET TR47-PHT & ILCO TOY43AT4			

JAPANESE MADE 6-CYL CAMRY for CALIFORNIA

First Digit in VIN is:	Production Month Sticker on Door	California Emissions with 6 Cylinder Engine	T-CODE USA IMMO TYPE
January 2003 is a split month where 2 different key types are possible.			
"J"	Sept 2002 thru Jan 2003	89785-26020*	see Type 1
"J"	Jan 2003 thru 2004	89785-60160	see Type 2
* 89785-26020 is also same as JET TR47-PHT & ILCO TOY43AT4			

Toyota Immobiliser

Transponder Section

2003-2004 CAMRY

- CHECK THE CHART THAT MATCHES YOUR CAMRY -

JAPANESE MADE CAMRY 4-CYL for OTHER STATES (FEDERAL)			
First Digit in VIN is:	Production Month Sticker on Door	Federal Emissions with 4 Cylinder Engine	T-CODE USA IMMO TYPE
"J"	Sept 2002 thru 2004	89785-26020*	see Type 1
* 89785-26020 is also same as JET TR47-PHT & ILCO TOY43AT4			

JAPANESE MADE CAMRY 6-CYL for OTHER STATES (FEDERAL)			
First Digit in VIN is:	Production Month Sticker on Door	Federal Emissions with 6 Cylinder Engine	T-CODE USA IMMO TYPE
January 2003 is a split month where 2 different key types are possible.			
"J"	Sept 2002 thru Jan 2003	89785-26020*	see Type 1
"J"	Jan 2003 thru 2004	89785-60160	see Type 2
* 89785-26020 is also same as JET TR47-PHT & ILCO TOY43AT4			

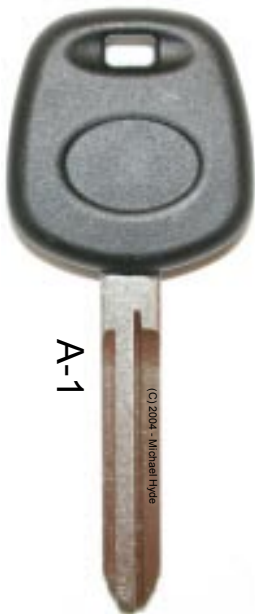
Grid # TOY 10 C
Type 1 CAMRY



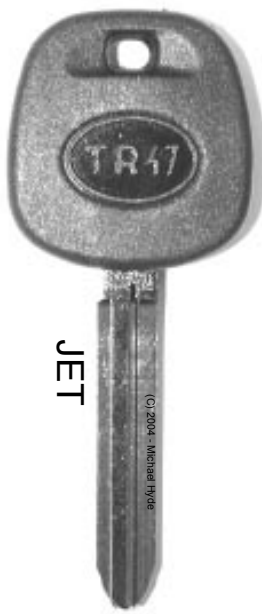
COMPATIBLE TRANSPONDER KEYS FOR THIS MODEL TYPE



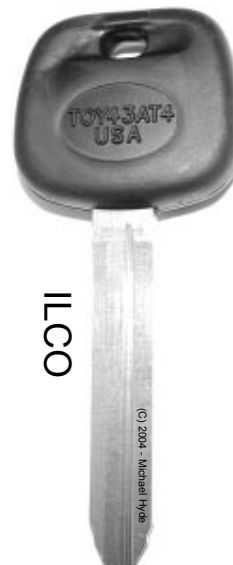
Toyota Master Keys					
Model	Years	Factory Part #	JET	ILCO	A-1
Camry	see Camry Chart	89785-26020	TR47-PHT	TOY43AT4	TOY43-AT4



A-1



JET



ILCO

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T-CODE USA

Grid # TOY 11 C
Type 1 CAMRY

PROCEDURE: RESET IMMOBILISER

(Use this method if you have no Master Keys.)

Insert a correctly cut transponder key and turn the ignition lock to the "ON" position.
Connect T-CODE USA and follow screens below.

VEHICLE SELECTION

MITSUBISHI
NISSAN
SUZUKI
> LEXUS/TOYOTA
V.W./AUDI GROUP

DIAGNOSTIC MENU

> RESET IMMOBILISER
ADD MASTER KEY
ADD VALET KEY
ERASE KEYS

Note: This will cause ALL keys to be erased and the Immobiliser system to Reset itself.

VEHICLE SELECTION

> IMMOBILISER
REMOTE

RESET IMMOBILISER

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 OBD2 port and remove key, wait 20 sec. and start over.

VEHICLE SELECTION

> TYPE 1
TYPE 2

RESET IMMOBILISER

PROCEDURE COMPLETE

PRESS ENTER KEY

Note: Remove the Master key & disconnect at this point. The Immobiliser system is now Reset.

Depending on the nature of the Immobiliser system on the vehicle;

1) The vehicle has learned the key that was in the ignition and has closed the learning cycle automatically. This happens on some Camry models.

(or)

2) The vehicle is now in Auto Learn mode. Auto Learn mode is indicated by the steady illumination of the Security Light.

ECU IDENTIFICATION

TOYOTA/LEXUS TYPE 1

PRESS ENTER KEY

2 ↑

If the Security Light is out, the Auto Learn mode is closed and additional keys can be programmed using the T-CODE USA.

If the Security Light is on steady, the Auto Learn mode is open and insert each key you want to program - but do not turn the key on, only insert and remove after 4 seconds. The vehicle may learn up to 4 keys before the Auto Learn cycle is shut down. The last key programmed in will become a Valet key by the Immobiliser system.

You can close the cycle early by pressing the brake pedal 6 times, very fast. (You must use a Master key for this.)

DIAGNOSTIC MENU

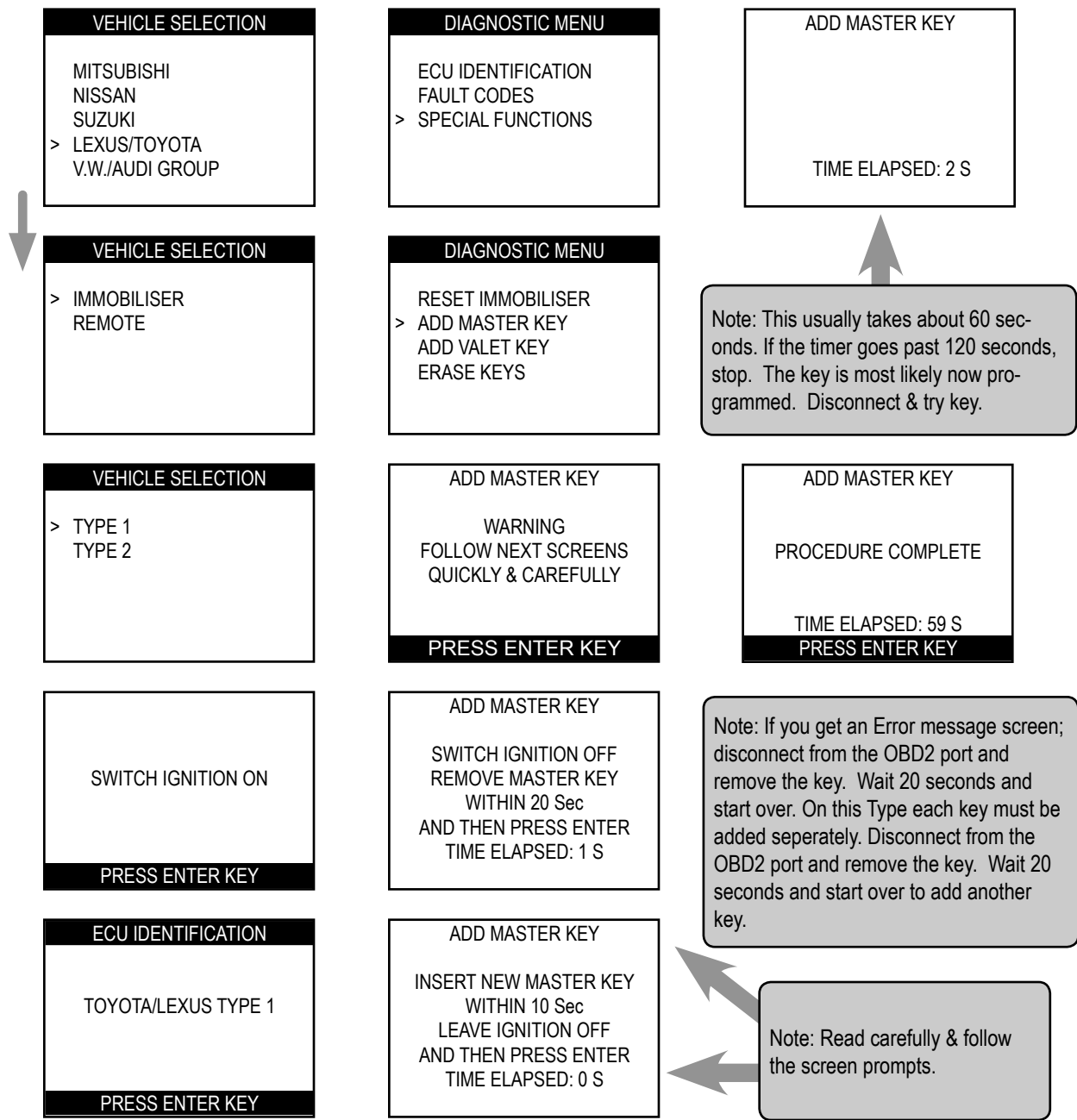
ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS



PROCEDURE: ADD 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 Immobiliser" procedure to Reset the Immobiliser system. A Valet key will not work as a substitute for a Master Key.





T-CODE USA

Grid # TOY 13 C
Type 1 CAMRY

PROCEDURE: ADD VALET 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 Immobiliser" procedure to Reset the Immobiliser system. A Valet key will not work as a substitute for a Master Key.

VEHICLE SELECTION

MITSUBISHI
NISSAN
SUZUKI
> LEXUS/TOYOTA
V.W./AUDI GROUP

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

ADD VALET KEY

TIME ELAPSED: 2 S



VEHICLE SELECTION

> IMMOBILISER
REMOTE

DIAGNOSTIC MENU

RESET IMMOBILISER
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.

VEHICLE SELECTION

> TYPE 1
TYPE 2

ADD VALET KEY

WARNING
FOLLOW NEXT SCREENS
QUICKLY & CAREFULLY

PRESS ENTER KEY

ADD VALET KEY

PROCEDURE COMPLETE

TIME ELAPSED: 59 S
PRESS ENTER KEY

SWITCH IGNITION ON

PRESS ENTER KEY

ADD VALET KEY

SWITCH IGNITION OFF
REMOVE MASTER KEY
WITHIN 20 Sec
AND THEN PRESS ENTER
TIME ELAPSED: 1 S

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 seperately. Disconnect from the OBD2 port and remove the key. Wait 20 seconds and start over to add another key.

ECU IDENTIFICATION

TOYOTA/LEXUS TYPE 1

PRESS ENTER KEY

ADD VALET KEY

INSERT NEW VALET KEY
WITHIN 10 Sec
LEAVE IGNITION OFF
AND THEN PRESS ENTER
TIME ELAPSED: 0 S

Note: Read carefully & follow the screen prompts.



PROCEDURE: ERASE KEYS (All keys erased except key in ignition)

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 Immobiliser” procedure to Reset the Immobiliser system. A Valet key will not work as a substitute for a Master Key.

VEHICLE SELECTION
MITSUBISHI
NISSAN
SUZUKI
> LEXUS/TOYOTA
V.W./AUDI GROUP

DIAGNOSTIC MENU
ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

PLEASE WAIT
TRYING TO COMMUNICATE



VEHICLE SELECTION
> IMMOBILISER
REMOTE

DIAGNOSTIC MENU
RESET IMMOBILISER
ADD MASTER KEY
ADD VALET KEY
> ERASE KEYS

ERASE KEYS

PROCEDURE COMPLETE
PRESS ENTER KEY

VEHICLE SELECTION
> TYPE 1
TYPE 2

ERASE KEYS

WARNING
FOLLOW NEXT SCREENS
QUICKLY & CAREFULLY

PRESS ENTER KEY

Note: If you get an Error message screen; disconnect and remove the key. Wait 20 seconds and start over.

SWITCH IGNITION ON

PRESS ENTER KEY

ERASE KEYS

SWITCH IGNITION OFF
REMOVE MASTER KEY
WITHIN 10 Sec

TIME ELAPSED: 1 S

ECU IDENTIFICATION

LEXUS TYPE 1

PRESS ENTER KEY

ERASE KEYS

INSERT MASTER KEY
SWITCH IGNITION ON

PRESS ENTER KEY



TROUBLESHOOTING NOTES

- 1) The Security Light can be in 2 shapes.
 - > A small blinking red circle next to the word "Security". (or)
 - > A blinking red light in the shape of a car.

- 2) Pay attention to the key you are using. Is it the proper key for the car.

- 3) Learned Immobiliser Keys:

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.

- Un-Learned Immobiliser Keys: (not programmed)

The Security Light will continue to blink with the key inserted into the ignition lock.

- 4) Some "Master" keys are seen as "Valet" keys. It is not that uncommon for a pre-existing Master key to be seen by the vehicle immobiliser system as a Valet key. This is a problem if you are trying to Add more keys and do not have a key that is recognized as a Master key. In this case the immobiliser system would need to be reset.

- 5) If you get an Error message screen; disconnect from the OBD2 port and remove the key. Wait 20 seconds and start over.

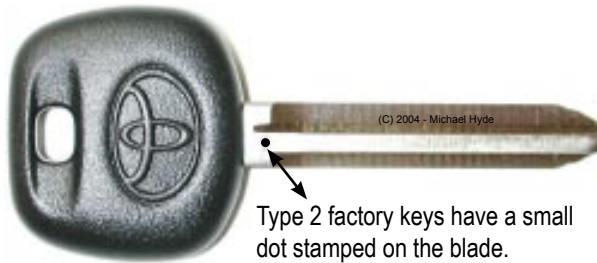
- 6) Adding New Keys- this usually takes about 60 seconds. If the timer goes past 120 seconds, stop. The key is most likely now programmed. Disconnect & try key.

Grid # TOY 15 C
Type 2 CAMRY



T-CODE USA

COMPATIBLE TRANSPONDER KEYS FOR THIS MODEL TYPE



Type 2 factory keys have a small dot stamped on the blade.

Toyota Master Keys		
Model	Years	Factory Part #
Camry	see Camry Chart	89785-60160

Note: If you are using the wrong type of key, the procedures will not work- you will be wasting your time.

NO after-market keys will work for this model type.

Only factory originals will work from the Toyota dealer.



T-CODE USA

Grid # TOY 16 C
Type 2 CAMRY

PROCEDURE: RESET IMMOBILISER

(Use this method if you have no Master Keys.)

Insert a correctly cut transponder key and turn the ignition lock to the "ON" position.
Connect T-CODE USA and follow screens below.

VEHICLE SELECTION

MITSUBISHI
NISSAN
SUZUKI
> LEXUS/TOYOTA
V.W./AUDI GROUP

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
LIVE DATA
ACTUATORS
> SPECIAL FUNCTIONS

VEHICLE SELECTION

> IMMOBILISER
REMOTE

DIAGNOSTIC MENU

> RESET IMMOBILISER
PROGRAM KEY
ERASE KEYS

Note: This will cause ALL keys to be erased and the Immobiliser system to reset itself.

VEHICLE SELECTION

TYPE 1
> TYPE 2

RESET IMMOBILISER

GAINING ACCESS

TIME REQUIRED 30:00
TIME ELAPSED 0:28

Note: Do not be impatient. Some vehicles may go over 30 minutes. If the timer goes over 40 minutes - stop, disconnect from OBD2 port and remove key, wait 20 sec. and start over.

SWITCH IGNITION ON

PRESS ENTER KEY

RESET IMMOBILISER

PROCEDURE COMPLETE

PRESS ENTER KEY

Note: You must remove the Master key & Disconnect at this point. **1**
The Immobiliser system is now Reset. If you insert the correct transponder type key; the Security Light should remain steady & illuminated.

ECU IDENTIFICATION

TOYOTA/LEXUS TYPE 2

PRESS ENTER KEY

2

The vehicle is now in Auto Learn mode. Auto Learn mode is indicated by the steady illumination of the Security Light. Insert each key you want to program - but do not turn the key on - only insert and remove after 4 seconds. The vehicle may learn up to 4 keys before the Auto Learn cycle is shut down. You can close the cycle early by turning the ignition lock from Off to On and back to Off 5 times, very fast, with a Master key. On this type of vehicle the Immobiliser computer can tell the difference between a Master & Valet key by the type of transponder in the key.



PROCEDURE: ADD MASTER or VALET 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 Immobiliser" procedure to Reset the Immobiliser system. A Valet key will not work as a substitute for a Master Key.

VEHICLE SELECTION
MITSUBISHI
NISSAN
SUZUKI
> LEXUS/TOYOTA
V.W./AUDI GROUP

DIAGNOSTIC MENU
ECU IDENTIFICATION
FAULT CODES
LIVE DATA
ACTUATORS
> SPECIAL FUNCTIONS

PROGRAM KEY

PLEASE WAIT

TIME ELAPSED: 2 S



VEHICLE SELECTION
> IMMOBILISER
REMOTE

DIAGNOSTIC MENU
RESET IMMOBILISER
> PROGRAM 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.

VEHICLE SELECTION
TYPE 1
> TYPE 2

PROGRAM KEY
SWITCH IGNITION OFF
REMOVE KEY
INSERT KEY
SWITCH IGNITION ON
WITHIN 120 Sec
TIME ELAPSED: 0 S
PRESS ENTER KEY

PROGRAM KEY

PROCEDURE COMPLETE

TIME ELAPSED: 59 S
PRESS ENTER KEY

SWITCH IGNITION ON

PRESS ENTER KEY

PROGRAM KEY
SWITCH IGNITION OFF
REMOVE KEY
WITHIN 20 Sec
TIME ELAPSED: 0 S
PRESS ENTER KEY

Note: You must remove the Master key & then press enter.

ECU IDENTIFICATION

TOYOTA/LEXUS TYPE 2

PRESS ENTER KEY

PROGRAM KEY
INSERT NEW KEY
LEAVE IGNITION OFF
WITHIN 10 Sec
TIME ELAPSED: 0 S
PRESS ENTER KEY

Note: You must insert the New key, but Do Not turn it. Press Enter when done.



T-CODE USA

Grid # TOY 18 C
Type 2 CAMRY

PROCEDURE: ERASE KEYS (All keys erased except key in ignition)

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 Immobiliser" procedure to Reset the Immobiliser system. A Valet key will not work as a substitute for a Master Key.

VEHICLE SELECTION

MITSUBISHI
NISSAN
SUZUKI
> LEXUS/TOYOTA
V.W./AUDI GROUP

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
LIVE DATA
ACTUATORS
> SPECIAL FUNCTIONS

ERASE KEYS

PROCEDURE COMPLETE

PRESS ENTER KEY

VEHICLE SELECTION

> IMMOBILISER
REMOTE

DIAGNOSTIC MENU

RESET IMMOBILISER
PROGRAM KEY
> ERASE KEYS

Note: If you get an Error message screen; disconnect and remove the key. Wait 20 seconds and start over.

VEHICLE SELECTION

TYPE 1
> TYPE 2

ERASE KEYS
SWITCH IGNITION OFF
REMOVE KEY
INSERT KEY
SWITCH IGNITION ON
WITHIN 120 Sec
TIME ELAPSED: 0 S
PRESS ENTER KEY

SWITCH IGNITION ON

PRESS ENTER KEY

PLEASE WAIT
TRYING TO COMMUNICATE

ECU IDENTIFICATION

LEXUS TYPE 1

PRESS ENTER KEY

ERASE KEYS
SWITCH IGNITION OFF
REMOVE KEY
WITHIN 10 Sec
TIME ELAPSED: 0 S

Grid # TOY 19 P
Type 2



T-CODE USA

COMPATIBLE TRANSPONDER KEYS FOR THIS MODEL TYPE

Emergency Start Only - No Other Features Supported



Remote Buttons NOT Supported - Just Reset Immobilizer

Toyota Factory Remote Master Key			
Model	Years	Part #	Notes
Prius	2004	89994-47061	Smart Access System

NOTE: Note: This will only get the car started.

You will not be able to program the remote buttons.

NO after-market keys will work for this model type.

Only factory originals will work from the Toyota dealer.



T-CODE USA

Grid # TOY 20 P
Type 2

PROCEDURE: RESET IMMOBILISER

(Use this method if you have no Master Keys.)

Insert a correctly cut transponder key and turn the ignition lock to the "ON" position.
Connect T-CODE USA and follow screens below.

VEHICLE SELECTION

MITSUBISHI
NISSAN
SUZUKI
> LEXUS/TOYOTA
V.W./AUDI GROUP

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
LIVE DATA
ACTUATORS
> SPECIAL FUNCTIONS

VEHICLE SELECTION

> IMMOBILISER
REMOTE

DIAGNOSTIC MENU

> RESET IMMOBILISER
PROGRAM KEY
ERASE KEYS

Note: This will cause ALL keys to be erased and the Immobiliser system to reset itself.

VEHICLE SELECTION

TYPE 1
> TYPE 2

RESET IMMOBILISER

GAINING ACCESS

TIME REQUIRED 30:00
TIME ELAPSED 0:28

Note: Do not be impatient. Some vehicles may go over 30 minutes. If the timer goes over 40 minutes - stop, disconnect from OBD2 port and remove key, wait 20 sec. and start over.

SWITCH IGNITION ON

PRESS ENTER KEY

RESET IMMOBILISER

PROCEDURE COMPLETE

PRESS ENTER KEY

Note: You must remove the Remote from the Slot & Disconnect at this point. The Immobiliser system is now Reset. If you insert the new Remote; the Security Light should remain steady & illuminated.

ECU IDENTIFICATION

TOYOTA/LEXUS TYPE 2

PRESS ENTER KEY

2

The vehicle is now in Auto Learn mode. Auto Learn mode is indicated by the steady illumination of the Security Light. Insert each new Remote into the Slot you want to program. Insert and remove after 4 seconds. The vehicle may learn up to 4 Remotes before the Auto Learn cycle is shut down.

You can close the cycle early by pressing the brake pedal 5 times, very fast.

NOTES

Toyota Remote Wireless Section GRID INDEX

- Only the models listed are supported -

MODELS	YEARS	ADD REMOTE GRID	ERASE REMOTE GRID	SYSTEM TYPE
Land Cruiser	2001-2002	On Board TOY 22 R	On Board TOY 23 R	N/A
Land Cruiser	2003-2004	TOY 24 R	TOY 25 R	2

Grid # TOY 22 R
On Board



T-CODE USA

PROCEDURE: ADD WIRELESS SECTION OF REMOTE KEY

Use this procedure to Add the Wireless Remote section of the key .

- 1) To start make sure nothing is in the ignition lock cylinder and only the driver's door is open and unlocked.
- 2) Put the key in the ignition and remove.
- 3) Press the Lock button for 1 second, press the Unlock button for 1 second, do this 5 times.
- 4) Close the drivers door and open
- 5) Press the Lock button for 1 second, press the Unlock button for 1 second, do this 5 times.
- 6) Put the key in the ignition.
- 7) Turn the ignition on for 1 second and then off and remove.
- 8) The power door locks should now cycle 1 time.
- 9) Press the Unlock button for 2 seconds.
- 10) Press the Unlock & Lock buttons at the same time for 1 1/2 second and then quickly press the Unlock button for 2 seconds.
- 11) If the Wireless Remote section of the key has been accepted the door locks should cycle 1 time. If it has failed the door locks will cycle 2 times.
- 12) Open the driver's door to finish.

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PROCEDURE: ERASE WIRELESS SECTION OF REMOTE KEY

Use this procedure to Erase all other Wireless Remote keys except the one you are using.

- 1) To start make sure nothing is in the ignition lock cylinder and only the driver's door is open and unlocked.
- 2) Put the key in the ignition and remove.
- 3) Press the Lock button for 1 second, press the Unlock button for 1 second, do this 5 times.
- 4) Close the drivers door and open
- 5) Press the Lock button for 1 second, press the Unlock button for 1 second, do this 5 times.
- 6) Put the key in the ignition.
- 7) Turn the ignition on for 1 second and then off for 1 second and then on for 1 second and remove.
- 8) The power door locks should now cycle 2 times.
- 9) Press the Lock & Unlock button for 2 seconds and then press Unlock for 1 second.
- 10) Press the Unlock & Lock buttons at the same time for 1 1/2 second and then quickly press the Unlock button for 2 seconds.
- 11) If the Wireless Remote section of the key has been accepted the door locks should cycle 1 time. If it has failed the door locks will cycle 2 times.
- 12) Open the driver's door to finish.



PROCEDURE: ADD WIRELESS SECTION OF REMOTE KEY

Insert a key and turn the ignition lock to the "ON" position. Connect and follow screens.

VEHICLE SELECTION

MITSUBISHI
NISSAN
SUZUKI
> LEXUS/TOYOTA
V.W./AUDI GROUP

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
ACTUATORS
> SPECIAL FUNCTIONS

PROGRAM REMOTE

PROCEDURE COMPLETE

PRESS ENTER KEY



VEHICLE SELECTION

IMMOBILISER
> REMOTE

DIAGNOSTIC MENU

> PROGRAM REMOTE
ERASE REMOTES

VEHICLE SELECTION

TYPE 1
TYPE 2
TYPE 3

PROGRAM REMOTE

SWITCH IGNITION ON
UNLOC. DRV. DOOR
OPEN DRIV. DOOR

PRESS ENTER KEY

Note:
Follow the Screen prompts.

Note: Toyota Remote Type to use is found on the Wireless Grid chart, pg 201.

PROGRAM REMOTE

FOLLOW NEXT SCREENS
QUICKLY & CAREFULLY

COMPLETE OPERATION
WITHIN 30 Sec.
AFTER PRESSING ENTER

SWITCH IGNITION ON

PRESS ENTER KEY

PROGRAM REMOTE

PRESS LOCK & UNLOCK
TOGETHER FOR 1 Sec.

WITHIN 3 Sec PRESS
EITHER KEY FOR 1 Sec
TIME ELAPSED: 0 S

Note: Press the Lock & Unlock buttons together for 1 second and quickly press either Lock or Unlock button for 1 second. You must be fast on the button operation.

ECU IDENTIFICATION

TOYOTA/LEXUS
REMOTE

PRESS ENTER KEY



PROCEDURE: ERASE WIRELESS SECTION OF REMOTE KEY

Insert a key and turn the ignition lock to the "ON" position. Connect and follow screens.

VEHICLE SELECTION

MITSUBISHI
NISSAN
SUZUKI
> LEXUS/TOYOTA
V.W./AUDI GROUP

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
ACTUATORS
> SPECIAL FUNCTIONS

ERASE REMOTES

PROCEDURE COMPLETE

PRESS ENTER KEY



VEHICLE SELECTION

IMMOBILISER
> REMOTE

DIAGNOSTIC MENU

PROGRAM REMOTE
> ERASE REMOTES

Note: All the Remotes are now erased except for the one you used to complete this operation.

VEHICLE SELECTION

TYPE 1
TYPE 2
TYPE 3

ERASE REMOTES

SWITCH IGNITION ON
UNLOC. DRV. DOOR
OPEN DRV. DOOR

PRESS ENTER KEY

Note: Follow the Screen prompts.

Note: Toyota Remote Type to use is found on the Wireless Grid chart, pg 201.

ERASE REMOTES

FOLLOW NEXT SCREENS QUICKLY & CAREFULLY

COMPLETE OPERATION WITHIN 30 Sec. AFTER PRESSING ENTER

SWITCH IGNITION ON

PRESS ENTER KEY

ERASE REMOTES

PRESS LOCK & UNLOCK TOGETHER FOR 1 Sec.

WITHIN 3 Sec PRESS EITHER KEY FOR 1 Sec
TIME ELAPSED: 0 S

Note: Press the Lock & Unlock buttons together for 1 second and quickly press either Lock or Unlock button for 1 second. You must be fast on the button operation.

ECU IDENTIFICATION

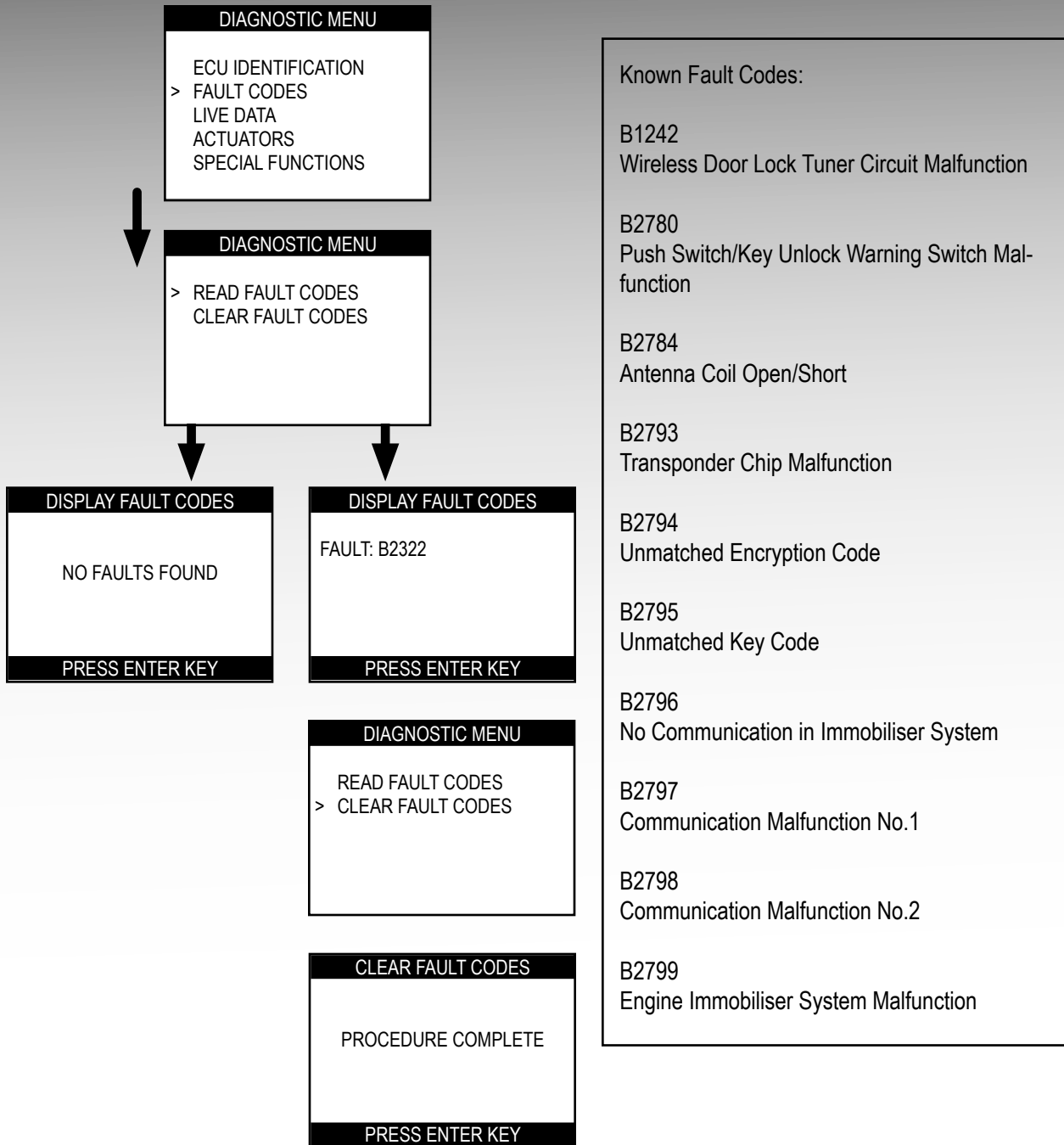
TOYOTA/LEXUS
REMOTE

PRESS ENTER KEY

Lexus/Toyota

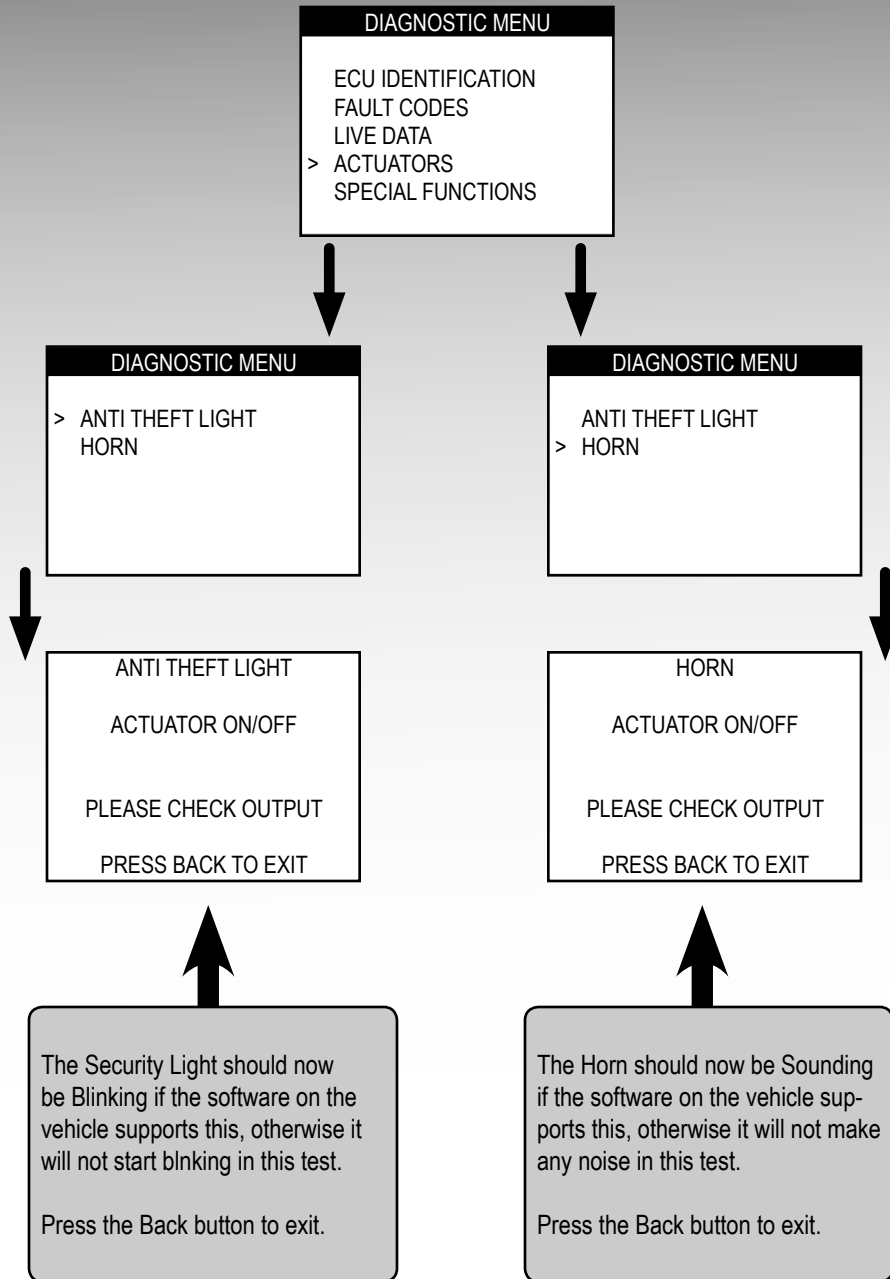
Fault Codes

Fault Codes that may be associated with the Transponder system.



Lexus/Toyota Actuators

Depending on the model and type of software system used on the vehicle it may possible to test the Horn and Security Light.



Lexus/Toyota

Live Data

Depending on the model and type of software system used on the vehicle it may possible to view the Live Data stream coming from the Immobiliser system through the OBD2 port in real time.

DIAGNOSTIC MENU	
ECU IDENTIFICATION	
FAULT CODES	
> LIVE DATA	
ACTUATORS	
SPECIAL FUNCTIONS	

LIVE DATA	
KEY STATUS	ON
IGN STAT.	ON
IMMOBILISER	UNSET
START ENABL.	YES
RESPONSE	NO
FRAME	NO

LIVE DATA	
SUB.KEY	MATCH
MASTER KEY	NO MATCH
REG.SUB.COD.	1
REG.MAS.COD.	2
KEY STATUS	ON
IGN STAT.	ON

Lexus/Toyota

Security Light Types



Lexus/Toyota

Security Light Types



2004 GS430



2004 4Runner

2002 MR2



2001 4RUNNER



Lexus/Toyota

OBD2 Ports



NOTES



**MAZDA
Serial Number
Conversion Software
626 - MPV - Miata
User's Manual**

MAZDA PIN CODE

MAZDA Transponder

General Information

◆ In 1998 Mazda introduced their version of an immobilizer system. It was used on the 626 in 1998 and then expanded to the MPV van and the Miata sports car starting in 2000. This system is unique to Mazda and is completely different than the Ford style system used on the Tribute and B-Series pick-ups.

◆ It is important to make note of the fact that when you are programming keys into the 626, Miata & MPV that you use a dealer only key and have the right one since there are 2 different types depending on the model year. The two different keys look identical on the outside, what's different is the chip inside.

1998 - 1999 626 models use the Mazda part number GE4T-76-2GX.

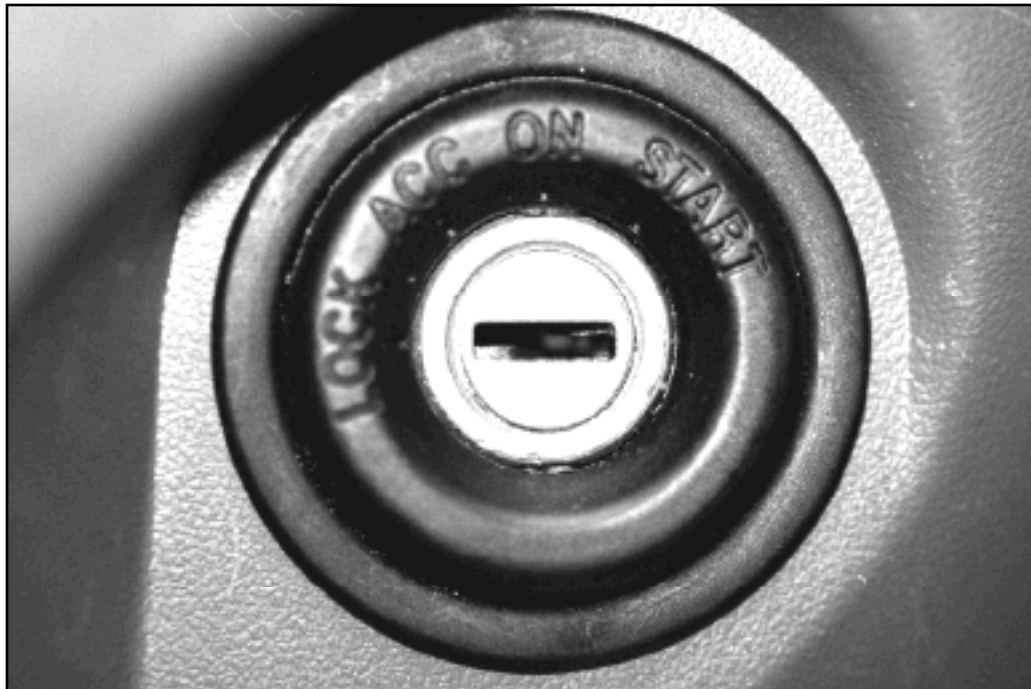
2000 - 2004 626, Miata & MPV models use Mazda part number BJYV-76-2GX.

◆ The “Immobilizer Control Unit” can hold up to 8 registered (recognized) keys. 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 password will be needed to open the Immobilizer Unit’s programming mode.

MAZDA Transponder

General Information

- ◆ For cars **without** the Immobilizer system, the ignition face will have the large words “LOCK”, “ACC”, “ON”, “START” stamped (molded) into the metal gray face, as with other Mazda products.
- ◆ For cars **with** the Immobilizer system, the ignition face will look much smaller and the words “LOCK”, “ACC”, “ON”, “START” will be stamped (molded) into the black induction coil itself.



ASP T-CODE USA

MAZDA Transponder Factory Keys



Mazda Transponder Key
(10-Cut Mazda Style)
(10100-12283)



Mazda Non-Transponder Key
(10-Cut Mazda Style)
(10100-12283)

© 2004 - MICHAEL HYDE - ASP, INC., TCODE USA USERS MANUAL WEB DOWNLOAD - SEPT 28, 2004

MAZDA Transponder

T-Code USA Procedure

To access the Mazda PINCODE software you can plug into the wall outlet with your Update cable or plug into the OBD2 port of most any vehicle. Since the software does not communicate with car - you only need to supply power to the T-Code.





Mazda PIN Code Conversion

VEHICLE SELECTION

LINCOLN
 > MAZDA
 MERCURY
 MITSUBISHI
 NISSAN

MAZDA MECS

PLEASE WAIT



VEHICLE SELECTION

PATS 2
 P.C.M.
 > MAZDA CODE

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 CODE CONVERTER

PRESS ENTER KEY

MAZDA MECS

SER. No.
 593-031-7259

PINCODE: 1777-1543

PRESS ENTER KEY

SERIAL CODE

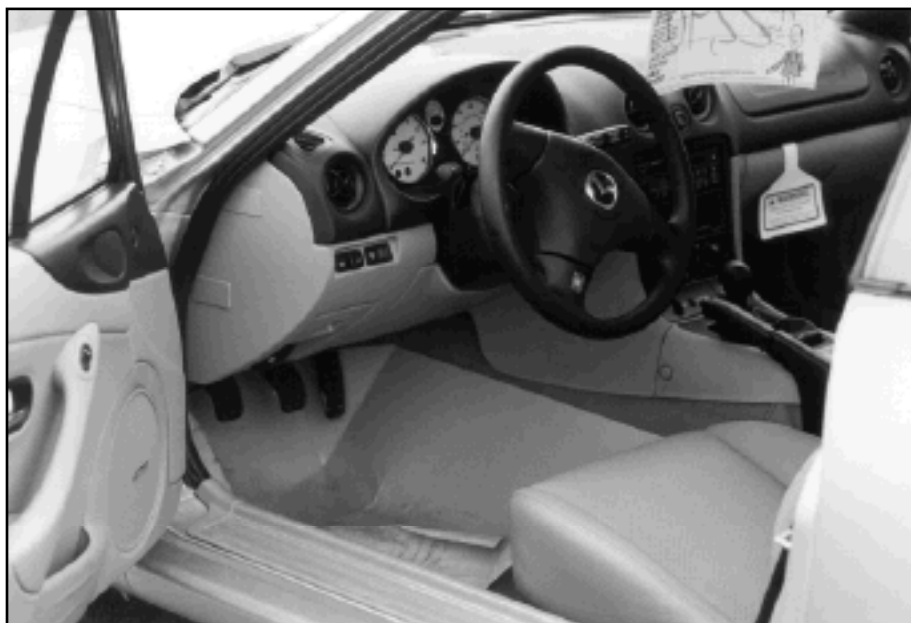
SERIAL CODE

5930317259

IS CODE CORRECT
 OK=ENTER CLEAR=BACK

MAZDA Transponder

Miata Components



As with all Mazda's the immobilizer control box is easy to get to.

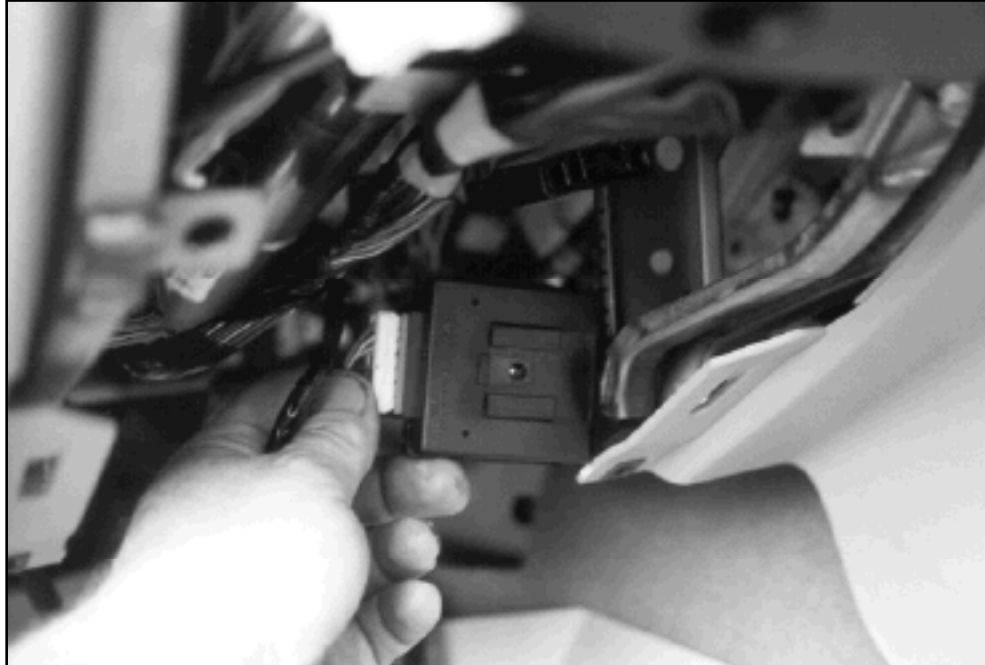
The immobilizer control box is located on the right side of the steering column behind the lower trim panel.

Remove the 2 lower trim screws and then the lower dash trim panel can be moved out of the way.

The immobilizer control box is in easy reach once the trim is removed. The immobilizer control box label will be opposite of your direction.

MAZDA Transponder

Miata Components



The control box is mounted on a slide bracket. Slide off the box.



Here is the immobilizer control box. The box is made by the world famous Lucas Electronics Company. The serial number is located on the lower half of the label. This particular number is "6014665283".

You must contact the Mazda dealer to have the serial number converted to the "CodeWord" (code number). In this case the "CodeWord" for this box is "61766866".

The serial number is always 10 numbers and the CodeWord is always 8 numbers.

MAZDA Transponder MPV Components



Pictured here is the new MPV. As with all Mazda's the immobilizer control box is easy to get to.

The immobilizer control box is located on the right side of the steering column behind the lower trim panel.

MAZDA Transponder

MPV Components



The top section of the trim panel below the steering column should snap apart from the dash.

The lower section of the trim panel is hinged and is easily removed.

There are several small black box's under the dash, make sure you get the one with the blue and white label.

MAZDA Transponder

626 Components



The Mazda 626 is similar with the other Mazda models using this unique system. For this car we picked a 2001 model year. This car is real popular with some of the rental car agencies.

Usually only the V6 engine models have the transponder system.

You can tell by looking at the ignition lock cylinder. If the writing on the lock housing such as; LOCK, ACC, ON & START are molded into the plastic face than the vehicle has an active transponder system. If the writing is molded into the metal face of the lock than there is no active transponder system.

There are 2 fasteners at the bottom of the trim panel, below the steering column that must be removed.

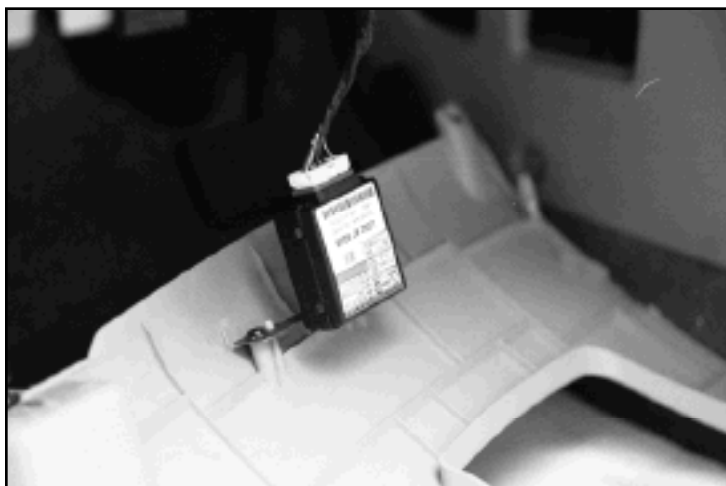


MAZDA Transponder

626 Components



The next step is to open the side panel and remove the 2 Phillips head screws that secure the side of the lower trim panel.



The trim panel can now be unsnapped from the top and lowered down to reveal the Lucas Immobilizer Control box.

MAZDA Transponder

626, Miata & MPV Key Programming

PROCEDURE FOR WHEN THERE ARE NO KEYS OR ONLY 1 PREPROGRAMMED KEY AND YOU NEED TO PROGRAM MORE KEYS:

IMPORTANT: YOU MUST USE A FACTORY KEY TO PROGRAM, YOU CANNOT USE AFTERMARKETS KEYS FOR THIS PROCEDURE. (NO JET, NO ILCO, NO SILCA, NO CURTIS)

1. Cut the mechanical cuts on each new transponder key.

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.

3. Turn the key back to the ON position and watch the flashing security light on the dash. The light should flash rapidly, 300 milliseconds on and 300 milliseconds off.

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.

5. Within 20 seconds, enter the CODEWORD (password). (See "How to enter the CODEWORD", NEXT PAGE.)

6. When you have entered the CODEWORD, the security light should stay on and not flash.

7. The car should now start. Start the car and the security light should stay lit for between 1 to 2 seconds.

8. 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.

9. Stop if you have no more keys to program.

10. You must wait 30 seconds to end the program mode.

MAZDA Transponder

626, Miata & MPV Key Programming

HOW TO ENTER THE CODEWORD (PASSWORD):
The CODEWORD can be obtained by retrieving the serial number off the Immobilizer Unit and contacting the Mazda National Hotline through the dealer. The CODEWORD has eight numbers.
1. Before you start the security light on the dash should be flashing on and off for 1.2 seconds each.
2. For this purpose let's say the CODEWORD is "23234223".
3. Turn the ignition key to the ON position while the security light is not illuminated. Count the illumination flashes two times and while the light is not illuminated turn the key to the LOCK position.
4. 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. Repeat the above step to enter the rest of the CODEWORD.
6. If you have entered the CODEWORD correctly, the security light will stop flashing and stay illuminated. If you make a mistake just wait 45 seconds and start over.
IMPORTANT NOTES:
A. The ignition key should not be turned ON twice within one non-illumination cycle.
B. The ignition key should not be turned ON during an illumination cycle.
C. The ignition key should not be turned to LOCK twice within one non-illumination cycle.

MAZDA Transponder

626, Miata & MPV Key Programming

PROCEDURE FOR WHEN THERE ARE TWO OR MORE PRE-PROGRAMMED KEYS:
<i>IMPORTANT: YOU MUST USE A FACTORY KEY TO PROGRAM, YOU CANNOT USE AFTERMARKETS KEYS FOR THIS PROCEDURE. (NO JET, NO ILCO, NO SILCA, NO CURTIS)</i>
1. Cut the mechanical cuts on each new transponder key.
2. Insert the first pre-programmed 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.
3. Turn the first pre-programmed key back to the ON position, the security light should stay illuminated.
4. Turn the first pre-programmed key back to the LOCK position, the security light should not be illuminated.
5. Insert the second pre-programmed key and start the car. The security light should illuminate for 1 to 2 seconds. Turn the key to the LOCK position and remove.
6. Insert the first pre-programmed key and start the car. The security light should illuminate for 1 to 2 seconds. Turn the key to the LOCK position and remove.
7. Insert the next pre-programmed key or a new un-programmed key and start the car. The security light should illuminate for 1 to 2 seconds. Turn the key to the LOCK position and remove. Repeat the step for any additional keys, not to exceed 8 keys.
8. You must wait 30 seconds to end the program mode.

 **T-CODE USA**



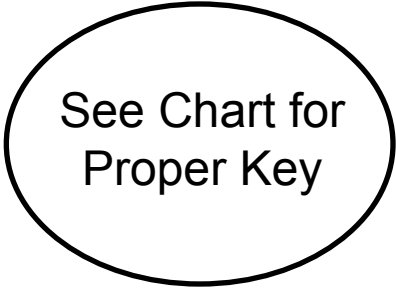


Mitsubishi Key Programming

Mitsubishi

Mitsubishi

- What You Need To Program Keys -

<i>T-CODE USA</i>	ADC110 Cable
	
PIN	Proper Key
PIN built into T-CODE USA	



T-CODE USA

Mitsubishi

If only a Dealer key is listed - you must use that key as there is no after-market key that will work properly.

MITSUBISHI	YEARS	KEYBLANK	KEYBLANK	DEALER PART #
		STRATTEC	CROSS REFERENCE	
Eclipse	2000	690648	MIT9-PT	MR587235
	2001-2004	690648	N/A	MR587235
Endeavor	2004-2005	690648	N/A	MR587235
	Some models have been found to use the new Galant Strattec Key # 692020			
Diamante	2000	692058	MIT8-PT	MR587315
	2001-2004	N/A	N/A	MR587315
Galant	2000	690648	MIT9-PT	MR587235
	2001-2003	690648	N/A	MR587235
	2004-2005	692020	N/A	MN141060
Lancer EVO *	2003-2004	N/A	N/A	MR587430
Montero	2001-2004	N/A	N/A	MR587315
Montero Sport	2000	692058	MIT8-PT	MR587315
	2001-2004	N/A	N/A	MR587315
Outlander	2004-2005	N/A	N/A	MN141307

* Only the Turbo model has the transponder (Immobilizer) system.

If only a Dealer key is listed - you must use that key as there is no after-market key that will work properly.

Special Note for

Mitsubishi Keys



There was a change in transponder chips being used in Mitsubishi built vehicles in 2001.

The change affected all Mitsubishi products across the board. The newer chip can be identified on Eclipse & Galant by the letter "N" stamped on the upper portion of the blade.

Transponder Keys for Eclipse & Galant with the letter "R" stamped on them have proven to be unreliable for programming.

Transponder keys with the letter "N" will work in place (supersede) of the earlier letter "R" keys.

2004 Galant keys should have an "A" stamped on the blade and use Strattec 692020.

Diamante, Montero & Montero Sport have a "Dot" stamped into the blade if they have the newer chip.



Special Note for

Mitsubishi Key Programming

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 be programmed with the other keys.

Special Note for

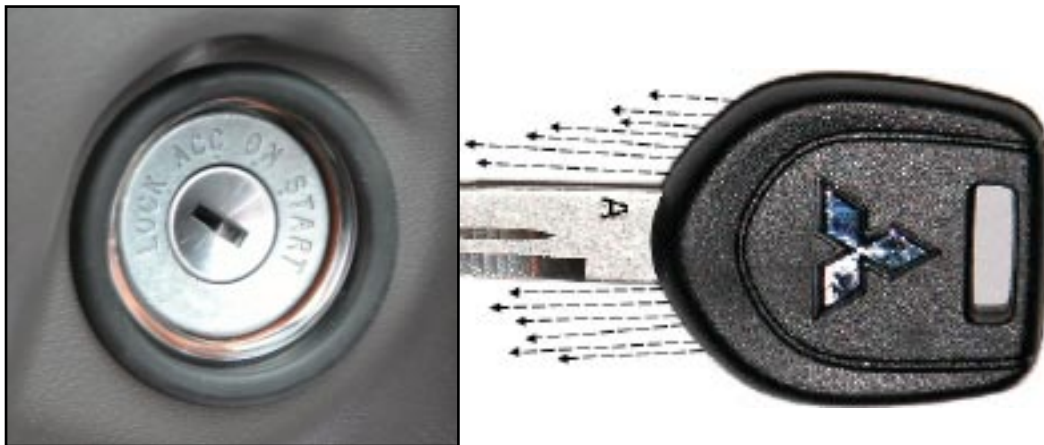
Improper Key Programming

You must cut all keys you want to program into the vehicle.

Do Not tape a mechanical key next to a transponder key for the purpose key programming. This also applies to “holding” the transponder key next to the mechanical key. Where this method may work in some cases, it will eventually cause you to call Tech Support with a programming key problem. Tech Support for this “situation” is not supported, at all.



< < Mitsubishi chips are directional > >



The Transponder Induction Wave is not always the same and does not extend out very far. The Wave cannot pick up keys out of it's area.



Special Note for

Communication Errors

Changes in the Mitsubishi Communication Protocols.

A few Mitsubishi models have been found to have irregularities in the way the T-CODE communicates with the Immobilizer system.

We believe this is due to production variances in the manufacturing line of component modules on certain models.

For this reason we have as a optional cable to solve this concern.

This cable is available from your ASP distributor as part# TCODE-ADC129.



In most cases a communication problem can be solved by inserting the transponder key into the ignition and turn to the RUN position before connecting the T-CODE to the car or truck for key programming.

Mitsubishi



Most Mitsubishi OBD2 connectors are located directly next to the center console underneath the dash, to the right of the steering column. In may involve using a flashlight to locate it.

Special Note -

On some models it may be necessary to insert the transponder key into the ignition and turn to the RUN position before connecting the T-CODE USA to the car or truck for key programming.



Mitsubishi Program Keys

- Program Keys - Program Keys - Program Keys -

VEHICLE SELECTION

LINCOLN
MERCURY
> MITSUBISHI
NISSAN
LEXUS/TOYOTA

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

PROGRAM KEYS

KEYS PROGRAMMED: 1
BACK' TO EXIT
ENTER TO PROGRAM
NEXT KEY



VEHICLE SELECTION

DIAMONTE
ECLIPSE
ENDEAVOR
EVO
GALANT (00-03)
GALANT (04+)
LANCER EVO
MONTERO
MONTERO SPORT
OUTLANDER
OTHER

NOTE : To Program Keys select that menu choice.

To see how many keys are currently programmed; select that menu choice.

NOTE : To Program more than 1 key; press the Enter button and follow the TCODE on-screen prompts.

NOTE :
Select your model from the above list.

For Lancer EVO use "Lancer EVO" not "EVO".

DIAGNOSTIC MENU

PROGRAMMED KEYS
> PROGRAM KEYS

PROGRAM KEYS

INSERT NEXT KEY
SWITCH IGNITION ON
AND THEN PRESS ENTER
WITHIN 5 SECONDS

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: 2
BACK' TO EXIT
ENTER TO PROGRAM
NEXT KEY

PROGRAM KEYS

.....

The T-CODE USA will automatically input the correct Pin code into the system. If it is incorrect: "INCORRECT ACCESS CODE" will be displayed.

Mitsubishi Additional Info

- Errors & Faults - Errors & Faults - Errors & Faults -

**READ
FAULT CODES**

DIAGNOSTIC MENU
ECU IDENTIFICATION
> **FAULT CODES**
SPECIAL FUNCTIONS

DIAGNOSTIC MENU
> **READ FAULT CODES**
CLEAR FAULT CODES
PRESS ENTER KEY

Depending on how many fault codes are set, will depend on how many screens are displayed, however one example is shown below.

DISPLAY FAULT CODES
FAULT CODE: 9601
WRONG KEY CODE
PRESS ENTER KEY

**CLEAR
FAULT CODES**

DIAGNOSTIC MENU
ECU IDENTIFICATION
> **FAULT CODES**
SPECIAL FUNCTIONS

DIAGNOSTIC MENU
READ FAULT CODES
> **CLEAR FAULT CODES**
PRESS ENTER KEY

To Clear Fault Codes, select it from the Menu, as shown below.

CLEAR FAULT CODES
PROCEDURE COMPLETE
PRESS ENTER KEY

**ERROR IN
PROGRAMMING KEY**

PROGRAM KEYS

ERROR
PRESS ENTER KEY

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 TCODE from the OBD2 port.

B) Leave the key turned to the ON position for at least 1 hour. Use a jumber box to prevent battery drain for 1 hour. After 1 hour remove key and start programming again.



Infiniti - Nissan Key Programming

2000 Altima Only

(with production date before June 2000)

Nissan



Special Note for

Nissan Key Programming

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 be programmed with the other keys.



2000 Nissan Altima

Important Warning:

In the past there have been problems programming keys on 2000 Nissan Altima cars. The problem involves an attempt to program keys resulting in a damaged electronic module of the car, requiring repair of the car by the dealer.

We have not heard of any other Nissan models or other years of Nissan Altima having a similar problem.



This problem cannot be caused by something that the user is doing wrong as long as they are using the proper connections between the T-CODE, the Nissan adapter, ADC135 cable, and the car.

This problem is most likely caused by a pre-existing fault in the electrical system of the vehicle being serviced. Unfortunately there is no way to prove to the car owner that the car was at fault, and the locksmith can get stuck in the middle. Of course the Nissan dealers are quick to blame the locksmith for causing the problem.

This is a good example of why it is important for every locksmith to have sufficient liability insurance as protection against this type of situation. We strongly suggest that you contact your insurance agent to discuss this subject and make sure that you are covered. In a situation such as this, it is virtually impossible to prove what caused the problem and who should take the responsibility. Because of that since your company performed the service you must be prepared to protect yourself against a claim.

Nissan 2000 Altima - System 3

- What You Need To Program Keys -

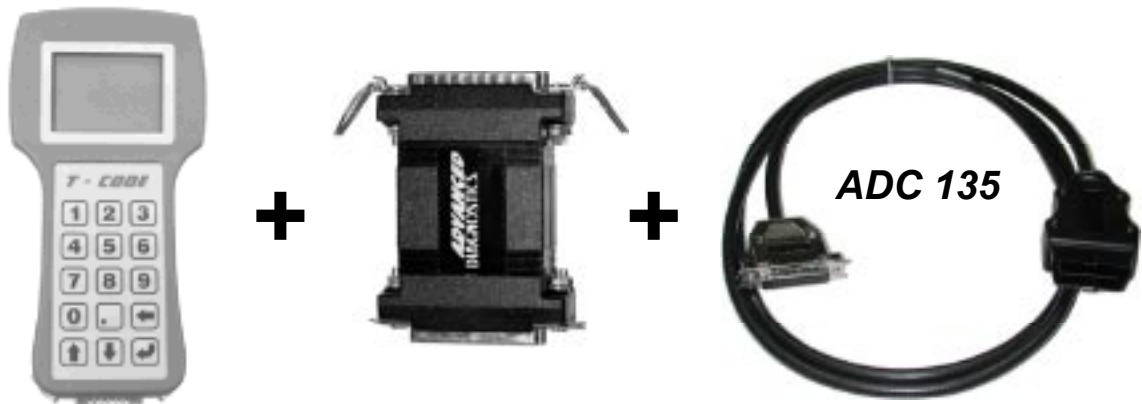
T-CODE USA	Special Cable	Adapter
	<p style="text-align: center;">SEE NEXT PAGE FOR SPECIAL CABLE</p>	 <p style="text-align: center;">ADC133</p>

PIN	Proper Key
<p style="text-align: center;">No Pin Needed</p>	<p>ILCO: N101T or N102T JET: DA34-PHT NATIONAL: N102T</p> 

Nissan 2000 Altima - System 3

- Special Cable Required -

DO NOT use the standard TCode cable (ADC 110) with the Adapter!



You must use the proper cable to program keys into the 2000 Altima.

ADC 135

You can use the ADC 135 which is supplied with New customers of TCode.

OR

TCL OBD2

You can use the TCL OBD2 which was supplied with your TCL as the standard cable.



DO NOT use the standard TCode cable (ADC 110) with the Adapter!

Special Note for

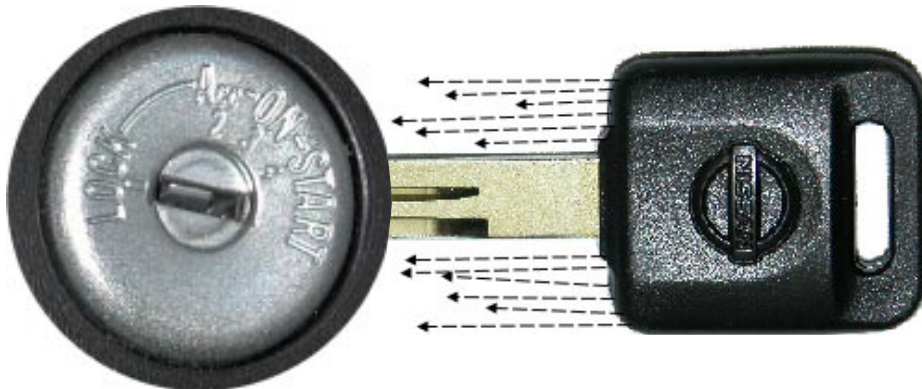
Improper Key Programming

You must cut all keys you want to program into the vehicle.

Do Not tape a mechanical key next to a transponder key for the purpose key programming. This also applies to “holding” the transponder key next to the mechanical key. Where this method may work in some cases, it will eventually cause you to call Tech Support with a programming key problem. Tech Support for this “situation” is not supported, at all.



< < Nissan chips are directional > >



The Transponder Induction Wave is not always the same and does not extend out very far. The Wave cannot pick up keys out of it's area.



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.

REMINDER:

Are you using the Special Cable for this Altima and the Nissan Adaptor???????

PROGRAMMING KEYS

PLEASE WAIT



VEHICLE SELECTION

LINCOLN
MERCURY
MITSUBISHI
> NISSAN
LEXUS / TOYOTA

PLEASE WAIT
TRYING TO COMMUNICATE

PROGRAM KEYS
PROCEDURE COMPLETE

DISCONNECT TESTER
FROM VEHICLE
PLEASE PROGRAM
IF NECESSARY
PRESS ENTER KEY

VEHICLE SELECTION

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

ECU IDENTIFICATION

NATS 4 PETROL

PRESS ENTER KEY

NOTE :

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

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

SWITCH IGNITION ON

PRESS ENTER KEY

DIAGNOSTIC MENU

> PROGRAM KEYS

1 KEY -
After program, the key in the IGNITION will be registered.

2 KEYS or More -
For 2 keys or more 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.

NOTES

 T-CODE USA



Infiniti - Nissan Key Programming

Old Style Nissan Port Models- Only

Nissan




Nissan System 3

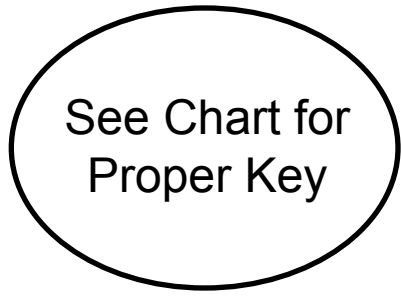
INFINITI	YEARS	KEYBLANK	KEYBLANK	SYSTEM
		ILCO	JET	
I30	1999	NSN11T2*	DA31-N-PHT*	Type 3
		Jet & Ilco keys must be cloned first to use otherwise they will not work, at all. After-market keys can be used only if they are cloned from any original of the same type, first.		
QX4	1999-2000	N102T	DA34-PHT	Type 3
Q45	1997-1999	Dealer Key	INFQ45-PHT	Type 2
	1999-2001	Dealer Key	INFQ45-PHT	Type 3
NISSAN	YEARS	KEYBLANK	KEYBLANK	SYSTEM
		ILCO	JET	
Maxima	1999	NSN11T2*	DA31-N-PHT*	Type 3
		Jet & Ilco 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.		
Pathfinder	1999-2000	N102T	DA34-PHT	Type 3

* After-market keys can be used only if they are cloned from any original of the same type, first.

Nissan System 3

- What You Need To Program Keys -

T-CODE USA	Nissan Old OBD1 Cable	Adapter
	 ADC136 	 ADC133

PIN	Proper Key
No Pin Needed	

Nissan System 3

A PIN code is not needed for Infiniti-Nissan models using System 3 in the U.S.

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 T-CODE USA.

We call this "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.

Nissan System 3

Pathfinder & QX4



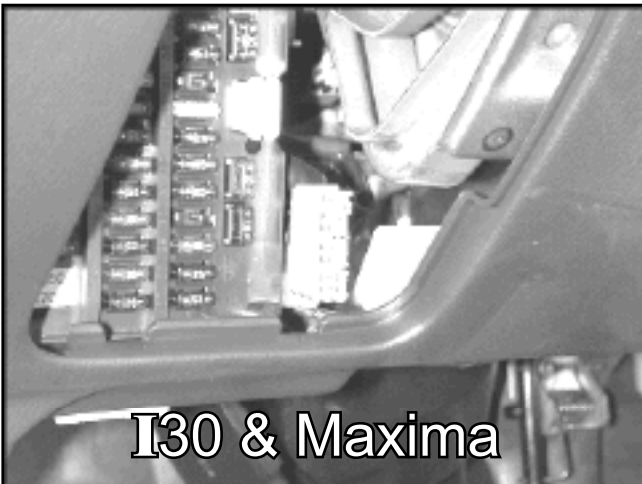
The 1999-2000 Infiniti QX4 & Nissan Pathfinder have the port exposed on the very bottom of the dash.

The Q45 has a port that is hidden under a black cover on the very bottom of the dash.



Q45

I30 & Maxima



The 1999 Infiniti I30 & Nissan Maxima have a port located in the Fuse Panel.

Special Note for

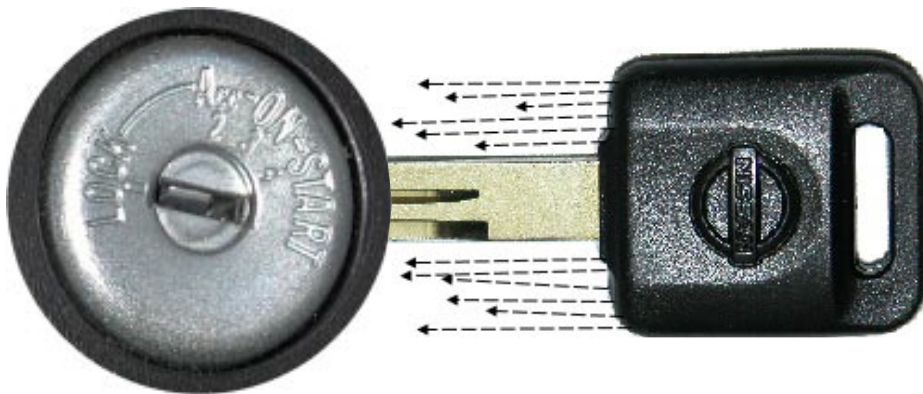
Improper Key Programming

You must cut all keys you want to program into the vehicle.

Do Not tape a mechanical key next to a transponder key for the purpose key programming. This also applies to “holding” the transponder key next to the mechanical key. Where this method may work in some cases, it will eventually cause you to call Tech Support with a programming key problem. Tech Support for this “situation” is not supported, at all.



< < Nissan chips are directional > >



The Transponder Induction Wave is not always the same and does not extend out very far. The Wave cannot pick up keys out of it's area.

Old Style Port - OBD1 - 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.

PLEASE WAIT
TRYING TO COMMUNICATE

PROGRAM KEYS
PROCEDURE COMPLETE

DISCONNECT TESTER
FROM VEHICLE
PLEASE PROGRAM
IF NECESSARY
PRESS ENTER KEY



VEHICLE SELECTION

LINCOLN
MERCURY
MITSUBISHI
> NISSAN
LEXUS / TOYOTA

ECU IDENTIFICATION

NATS 4 PETROL

PRESS ENTER KEY

1 KEY -
After program, the key in the IGNITION will be registered.

2 KEYS or More -
For 2 keys or more 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.

VEHICLE SELECTION

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

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

SWITCH IGNITION ON

PRESS ENTER KEY

DIAGNOSTIC MENU

> PROGRAM KEYS

REMINDER:

Are you using Old Style Port Cable with the Nissan Adaptor?

PROGRAMMING KEYS

PLEASE WAIT

 **T-CODE USA**



Infiniti - Nissan Key Programming

**(see next page
for application)**

Nissan



T-CODE USA




Nissan System 4


INFINITI	YEARS	KEYBLANK	KEYBLANK	SYSTEM
		ILCO	JET	
FX35 / FX45	2004-2005	Dealer Part# H0564-CG000		Type 4
G20	2000-2002	N102T	DA34-PHT	Type 4
G35	2003-2005	Dealer Part# H0564-AM600		Type 4
I30	2000-2004	N102T	DA34-PHT	Type 4
M45	2003-2005	Dealer Only Remote Control		Type 4
QX4	2001-2004	N102T	DA34-PHT	Type 4
QX56	2004-2005	Dealer Part# H0564-CG000		Type 4
Q45	2002-2005	Dealer Only Remote Control		Type 4
NISSAN	YEARS	KEYBLANK	KEYBLANK	SYSTEM
		ILCO	JET	
Armada	2004-2005	Dealer Part# H0564-5Z010		Type 4
Altima	2001-2004	N102T	DA34-PHT	Type 4
	2005	Dealer Part# H0564-5Z010		Type 4
Maxima	2000-2003	N102T	DA34-PHT	Type 4
	2004-2005	Dealer Part# H0564-5Z010		Type 4
Murano	2003-2005	Dealer Part# H0564-CD000 or CD010		Type 4
Pathfinder	2001-2004	N102T	DA34-PHT	Type 4
Quest	2004-2005	Dealer Part# H0564-5Z010		Type 4
Sentra	2000-2004	N102T	DA34-PHT	Type 4
Titan	2004-2005	Dealer Part# H0564-5Z010		Type 4
350Z	2003-2005	Dealer Part# H0564-CD000 or CD010		Type 4

If only a Dealer key is listed - you must use that key as there is no after-market key that will work properly.

Nissan System 4

- What You Need To Program Keys -

T-CODE USA	OBD2 Cable	Adapter
	 ADC110	<p>Do Not Use Adapter</p> 

PIN	Proper Key
<p>See Next Page</p>	

Nissan System 4

PIN CODE CHANGES

Nissan Motors, who also makes the Infiniti brand, started going from a standard PIN code of “5523” to a Random PIN code with the early introduction of the 2003 Infiniti G35.

The Random PIN code is held in what is called a BCM (Body Control Module). The BCM module has a sticker on the outside of it that contains the Serial Number to the BCM. All you have to do is convert the BCM Serial Number to the PIN Code for the vehicle. Once you know that PIN Code for the vehicle it never changes.

Tech Support can convert the BCM number for you or you can purchase the software to do it yourself, anytime.

Nissan SuperCode is available from your distributor.





Nissan System 4

MODEL	YEAR	PIN	BCM / IMMU LOCATION
ALTIMA	2001-2004	5523	
	2005	Random	Next to Fuse Panel
ARMADA	2004-2005	Random	On BCM Box, Under Dash
FX35 /FX45	2004-2005	Random	Next to Fuse Panel
G20	2000-2002	5523	
G35	2003-2005	Random	Next to Fuse Panel
I30 & I35	2000-2004	5523	
M45	2003-2005	Random	On IMMU Box, In Dash
MAXIMA	2000-2003	5523	
	2004-2005	Random	On BCM Box, Under Dash
MURANO	2003-2005	Random	On BCM Box, Under Dash
PATHFINDER	2001-2004	5523	
QUEST	2004-2005	Random	On BCM Box, Top of Dash
QX4	2001-2004	5523	
Q45	2002	5523	
	2003-2004	Random	On IMMU Box, In Dash
SENTRA	2000-2004	5523	
TITAN	2004-2005	Random	On BCM Box, Under Dash
350Z	2003-2005	Random	On BCM Box, Fuse Panel

Special Note for

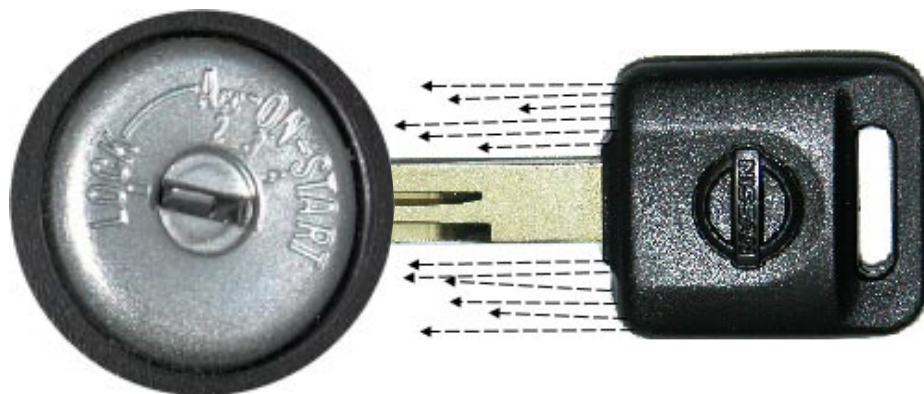
Improper Key Programming

You must cut all keys you want to program into the vehicle.

Do Not tape a mechanical key next to a transponder key for the purpose key programming. This also applies to “holding” the transponder key next to the mechanical key. Where this method may work in some cases, it will eventually cause you to call Tech Support with a programming key problem. Tech Support for this “situation” is not supported, at all.



< < Nissan chips are directional > >



The Transponder Induction Wave is not always the same and does not extend out very far. The Wave cannot pick up keys out of it's area.



Type 4 - 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.

PLEASE WAIT
TRYING TO COMMUNICATE

PROGRAM KEYS
PROCEDURE COMPLETE

DISCONNECT TESTER
FROM VEHICLE
PLEASE PROGRAM
IF NECESSARY
PRESS ENTER KEY



VEHICLE SELECTION

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MERCURY
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ECU IDENTIFICATION

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VEHICLE SELECTION

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TYPE 2
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DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

> Insert next key. Turn ignition ON for 5 seconds. Then turn off and remove key.

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SWITCH IGNITION ON

PRESS ENTER KEY

DIAGNOSTIC MENU

> PROGRAM 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.

REMINDER:
Are you using Old Style Port Cable with the Nissan Adaptor?

PROGRAMMING KEYS

PLEASE WAIT

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.

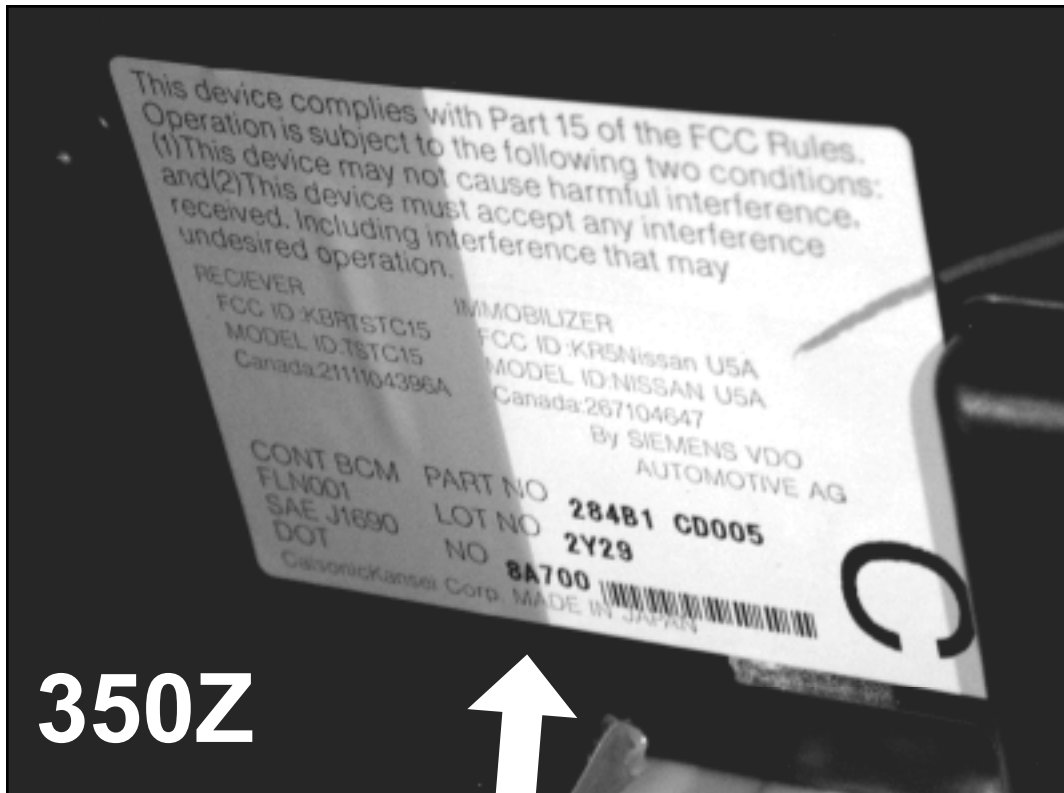
Infiniti-Nissan models using a System 4 in the U.S. will use the standard OBD2 cable and no adapter.

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 drivers side kick panel.



350Z PIN CODES



350Z

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 T-CODE USA.

'04+ MAXIMA PIN CODES

When programming keys make sure you have the key turned to the "ON" position.



The 2004 Maxima uses a Random PIN Code that must be converted from the serial number on the BCM (Body Control Module) which is located under dash to the left of the steering column.

The BCM module is located directly behind the fuse panel.

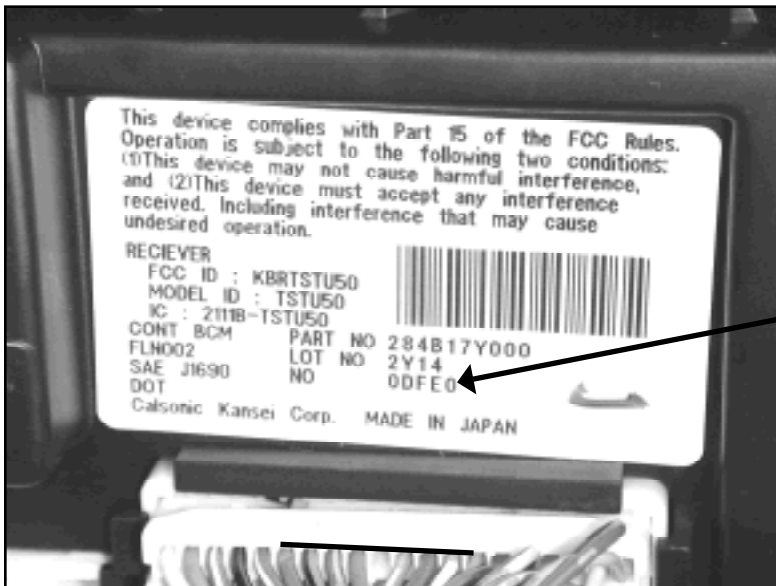


'04+ MAXIMA PIN CODES



You do not need to remove the BCM module to read the number from it.

Use a mirror and a flashlight and you will be able to read the number from the BCM label without having to remove the module.



The 2004 Maxima BCM Serial number is "0DFE0" on this car and is right next to the barcode. Serial Number "0DFE0" converts to PIN "7194".

"7194" is the PIN you would enter using the T-CODE USA.

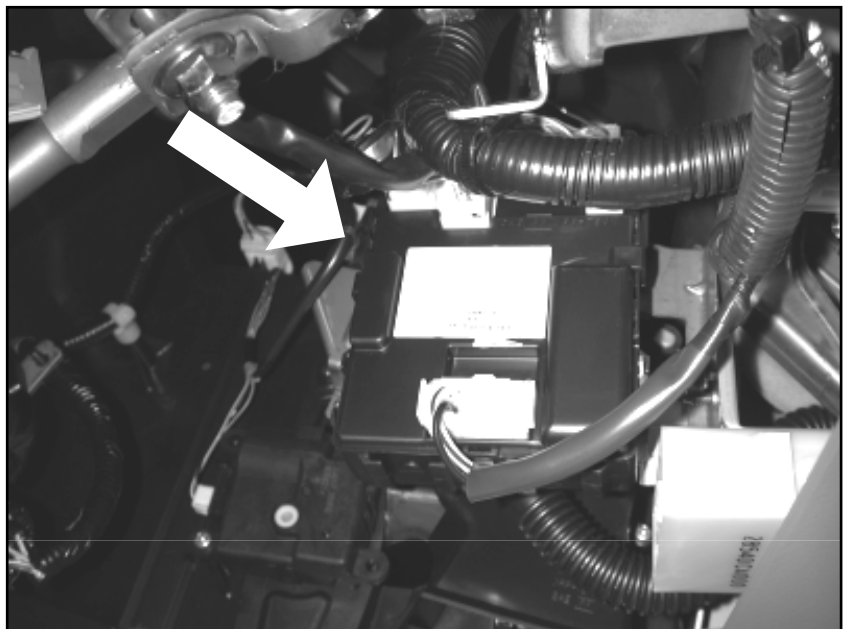
MURANO PIN CODES



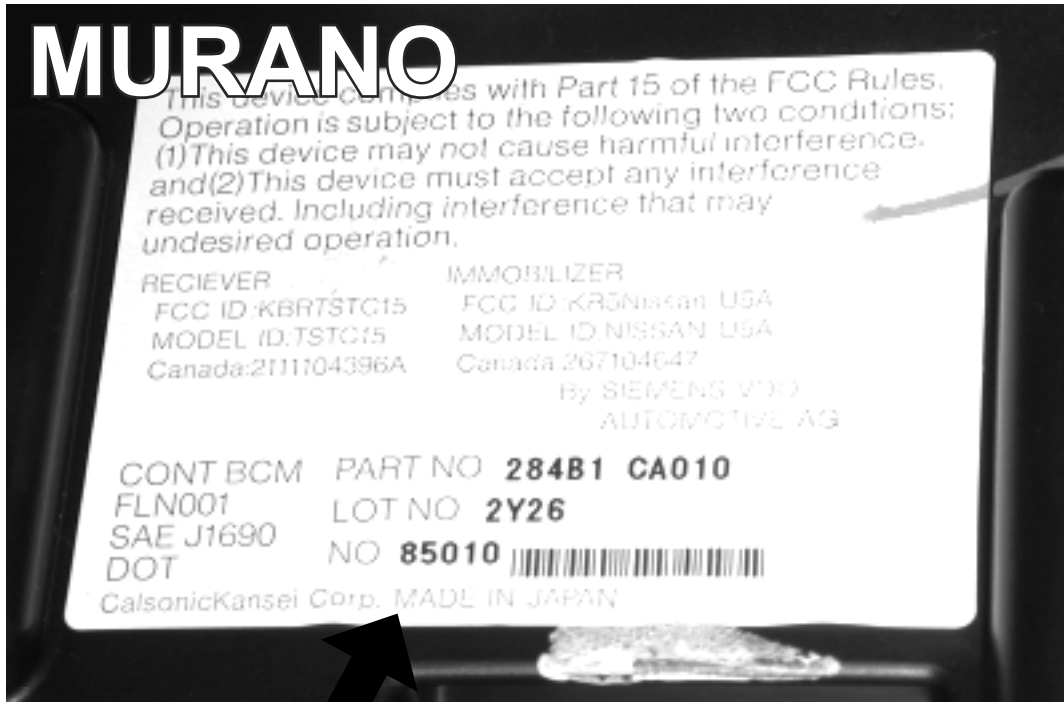
The Murano uses a Random PIN Code that must be converted from the serial number on the BCM (Body Control Module) which is located under dash to the right of the steering column.

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.



MURANO PIN CODES



The Murano BCM Serial number is “85010” on this car and is right next to the barcode. Serial Number “85010” converts to PIN “8356”.

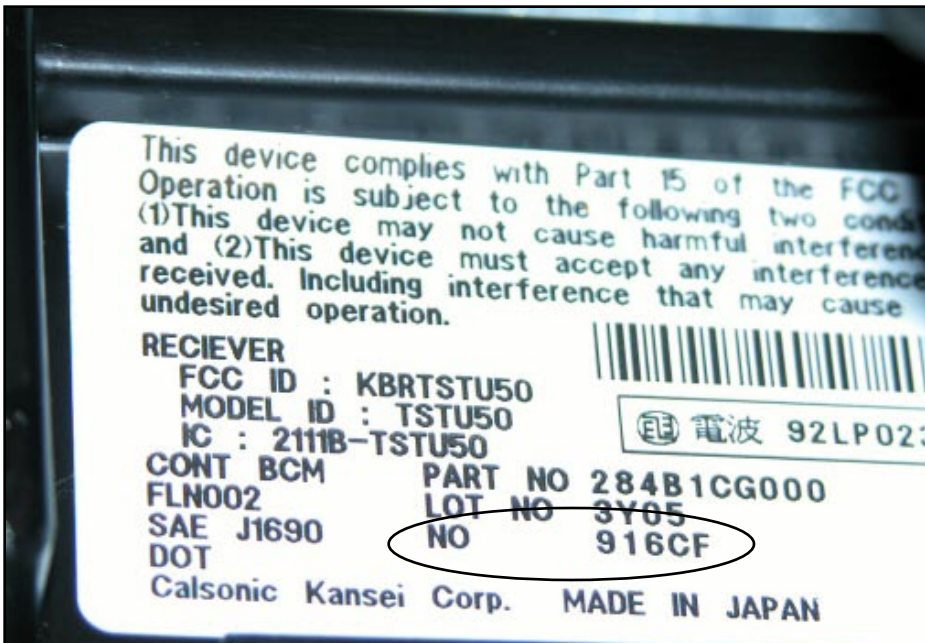
“8356” is the PIN you would enter using the T-CODE USA.

FX35 / FX45 PIN CODES

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The "Security" light is in the instrument cluster.



BCM

Infiniti

FX35

FX45

QX56 PIN CODES



BCM

The BCM module is black and located above the gas pedal.



The “IMMU” Serial number is “A8D37” on this truck and is to the right of the barcode.

Serial Number “A8D37” converts to PIN “2394”.

“2394” is the PIN you would enter using the T-CODE or Consult2.

BCM

ARMADA & TITAN PIN CODES

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The Armada & Titan BCM Serial number is "3C846" on this truck and is right next to the barcode.

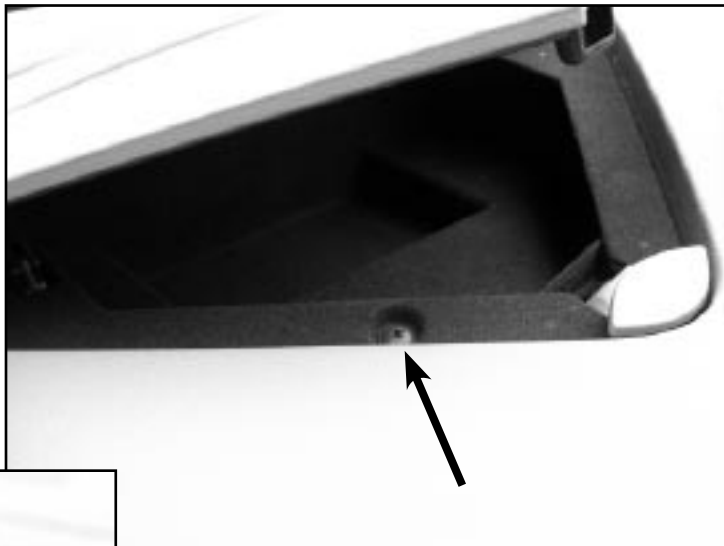


'04+ QUEST PIN CODES



The BCM is located under the storage compartment on the drivers side of the dash.

There is just one screw holding the storage compartment.

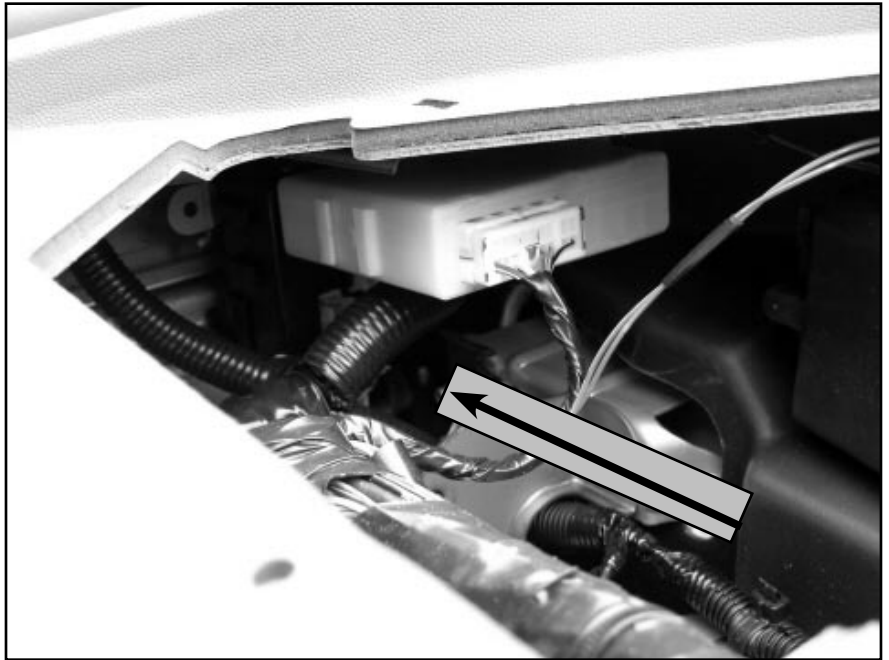


The storage compartment is now held in with pressure clips. Gently and firmly lift up on the compartment. Do not pull on the lid itself. Take your time and be careful.

'04+ QUEST PIN CODES

The BCM is located under the White module you see after you remove the storage compartment.

It is a little hard to see the BCM because it is a little tucked away. Lift up the White module to see the BCM.



The Quest BCM Serial number is on the bottom of the sticker and is right next to the barcode. You may need to use a mirror see all of it.



The Security light for the Immobilizer system is in the instrument cluster.

'05 ALTIMA PIN CODES



The BCM is located behind the fuse panel.

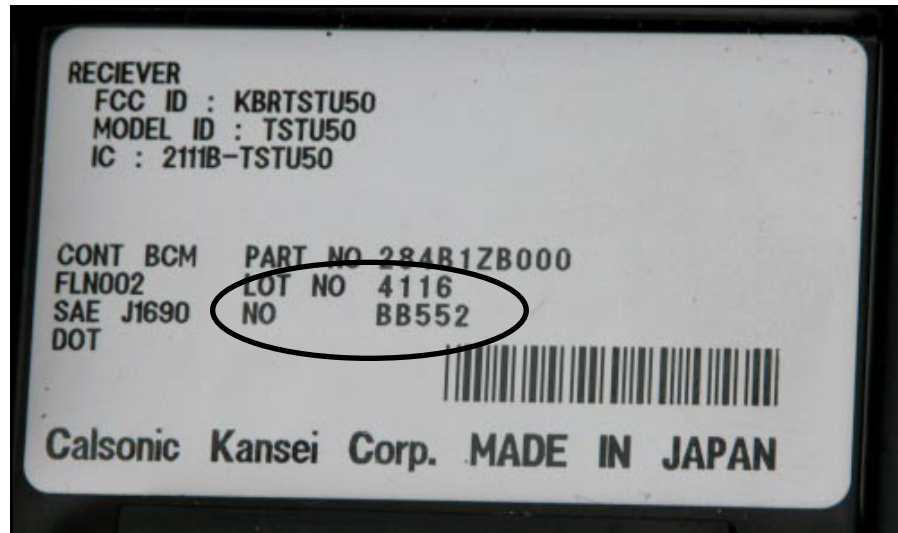
You can see it when you remove the fuse panel cover.

However, the BCM Code is on the back-side of the module.

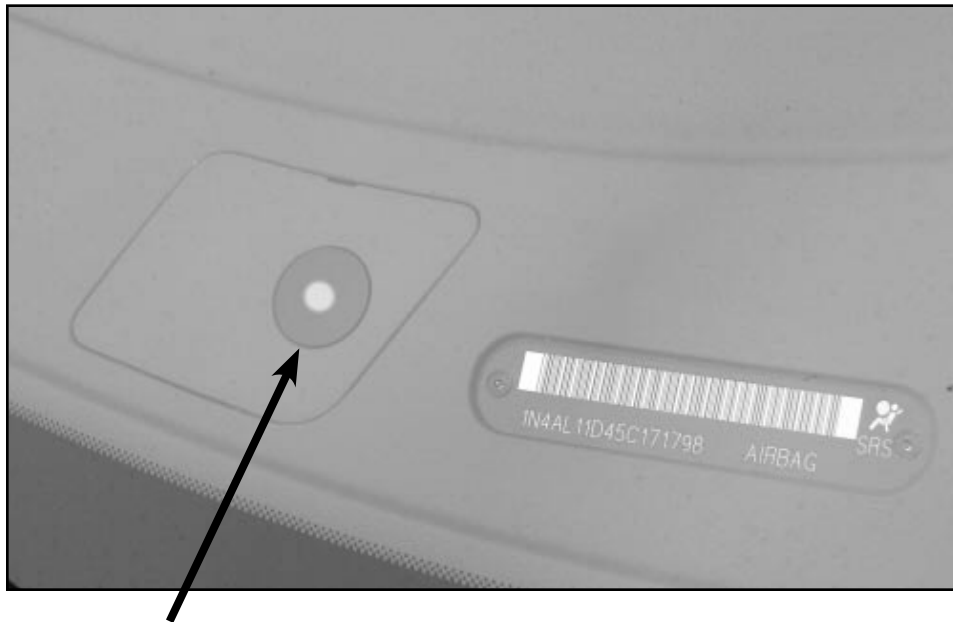


The module can be slid off it's brackets or removed with the steel brackets.

'05 ALTIMA PIN CODES



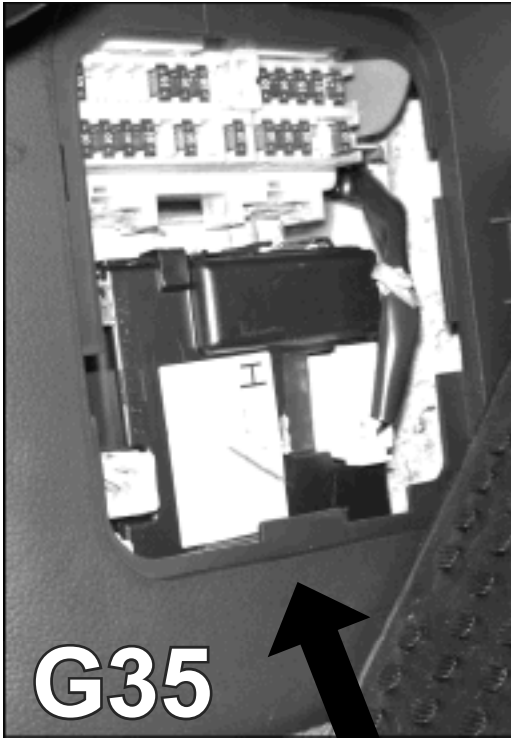
The 2005 Altima BCM Serial number is next to the barcode.



The Security light for the immobilizer system is on the upper dash next to the VIN plate. You have to look through the windshield to see it.

G35 PIN CODES

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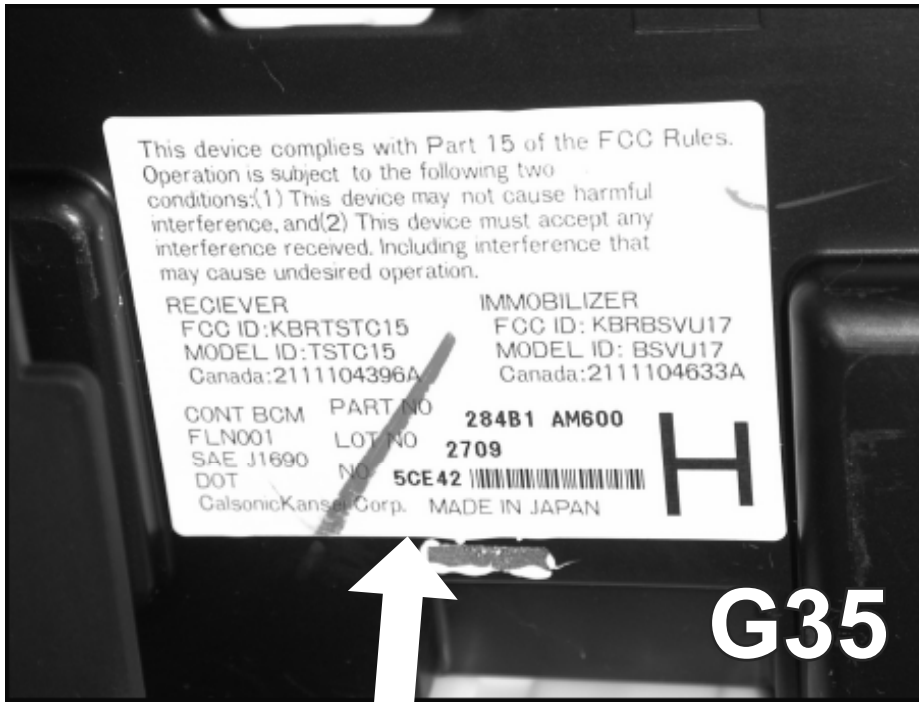
**G35
BCM**



The G35 uses an 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.

The G35 BCM Serial number is "5CE42" on this car and is right next to the bar-code. Serial Number "5CE42" converts to PIN "9684".

"9684" is the PIN you would enter using the T-CODE USA.

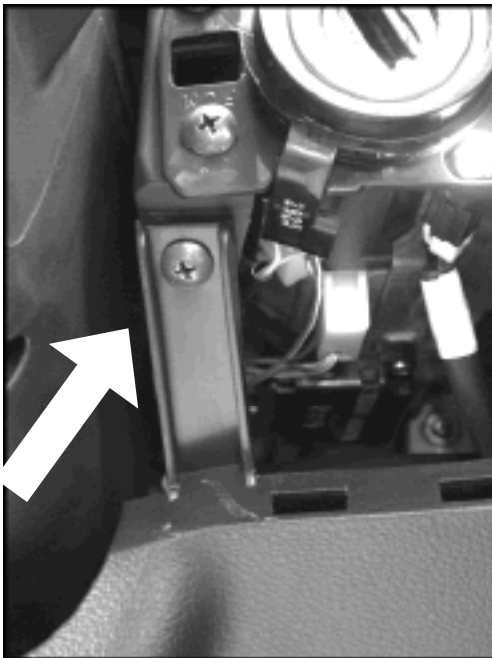
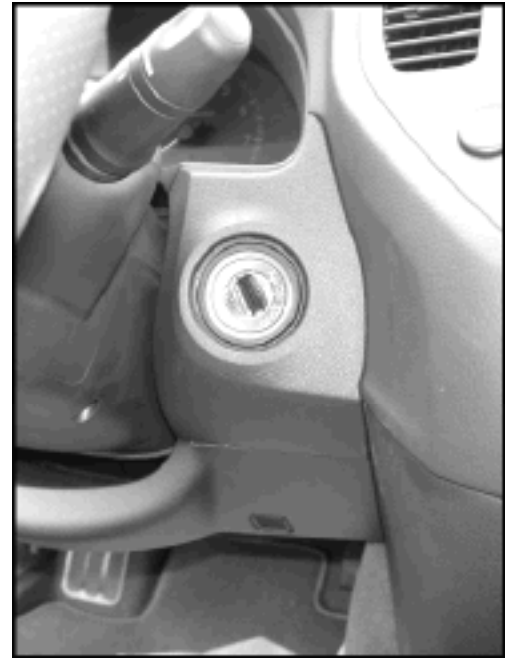


G35

2003 M45 & Q45 PIN CODES

The “IMMU” number is tucked away in a difficult location which makes it hard for Infiniti technicians and for the Locksmiths to quickly access this number. It is located behind the drivers side lower dash unit.

First you will need to unsnap the plastic trim on the front of the ignition lock.



Remove the single Phillips head screw.



Remove the two 10mm bolts for the hood release.

2003 M45 & Q45 PIN CODES



The lower dash assembly is now only held in place by snap clips and with a little care can be unsnapped.



2003 M45 & Q45 PIN CODES

Located behind the dash cover is a group of electronic modules.

The one we need is a small black one, which sits right next to a larger black one. You have to remove the three 10mm bolts that hold the brackets for the modules in order to read the “IMMU” number on the side of the module.



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 T-CODE USA.



T-CODE USA

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