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

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

Print copies are available in US, Canada, Mexico and Central America. Please contact your AD distributor.






ADVANCED DIAGNOSTICS USA

MVP PRO / TCODE PRO
2017 Manual & Key Guide




ADVANCED DIAGNOSTICS™

ilco

DIGITAL VERSION - 2017.2

FEB. 2017



MVP U.S. Patent #7315238





Welcome to the 2017 ADVANCED DIAGNOSTICS USA DIGITAL MANUAL & KEY GUIDE FOR MVP PRO & T-CODE PRO

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

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

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

Watch a welcome video message from Tech support:



HOW TO USE THIS MANUAL

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

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

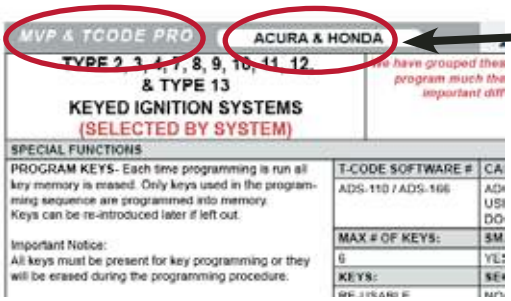
2004-2005 S2000 (HONDA)					ADS-110
ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HO01-PT 	Type 2A or 2B	No	Not Needed	Not Needed	**C**-Green Or SD
Note: It may be necessary to use Pro Dongle A or C. Some models may use TYPE 3 System & Key					

KEY TO USE

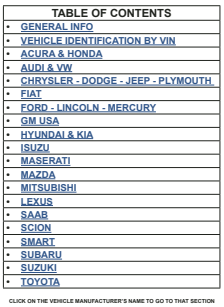
DONGLE TO USE

USE THE "F5" KEY TO OPEN A SEARCH WITHIN THE DOCUMENT

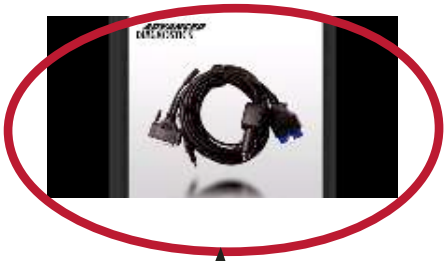
CLICKING HERE ON ANY PAGE WILL TAKE YOU DIRECTLY TO THE TABLE OF CONTENTS



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



WATCH VIDEO - ADC250 main cable



WEB LINKS TO PROGRAMMING VIDEOS - CLICK TO WATCH VIDEOS-

REQUIRES INTERNET CONNECTION & WEB BROWSER

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

2017 ADVANCED DIAGNOSTICS USA DIGITAL MANUAL & KEY GUIDE FOR MVP PRO & T-CODE PRO

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- ISUZU
- JAGUAR
- KIA
- LAND ROVER
- LEXUS
- MASERATI
- MAZDA
- MITSUBISHI
- NISSAN
- SAAB
- SCION
- SMART
- SUBARU
- SUZUKI
- TOYOTA
- VOLKSWAGEN

CLICK ON THE VEHICLE MANUFACTURER'S NAME TO GO DIRECTLY TO THAT SECTION

General Operation

SCOPE AND CONTENTS OF THIS MANUAL

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

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

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

Advanced Diagnostics USA cannot accept any legal liabilities for inaccuracies within this publication or for any work carried out using the MVP PRO or TCODE PRO or any of our other equipment & or accessories.
Advanced Diagnostics USA reserves the right to alter specifications without notice.

PRECAUTIONS & GENERAL SAFETY REQUIREMENTS

<<<< WARNING! >>>>>> <<<<<< WARNING! >>>>>> <<<<<< WARNING! >>>>

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

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

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

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

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

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

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

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

9. DO NOT disconnect battery while engine is running.

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

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

General Operation

INTENDED USE

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

IMPROPER USE

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

TECHNICAL SERVICE AND MAINTENANCE

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

MANUFACTURER'S U.S. ADDRESS

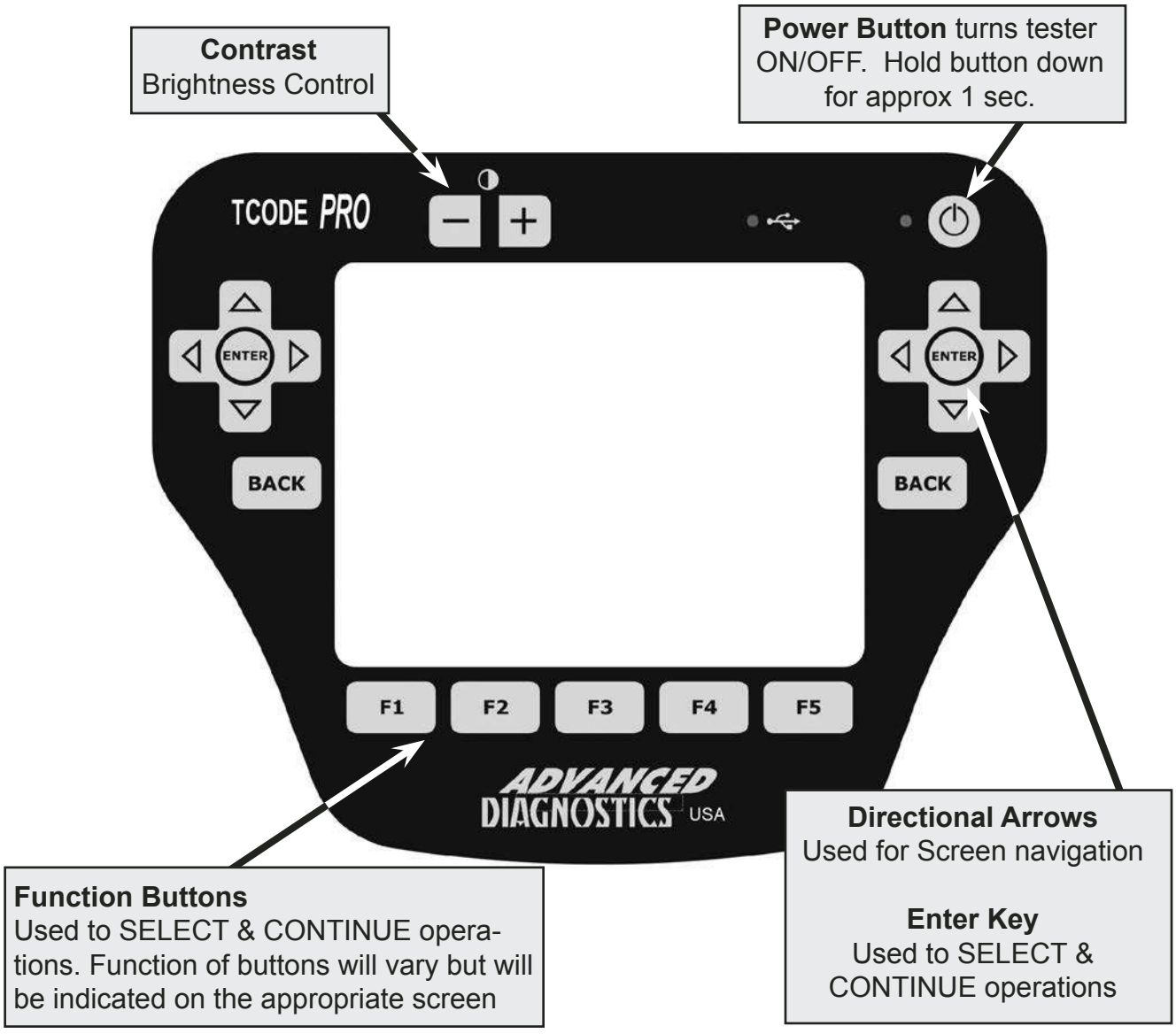
For any further information or technical service related to maintenance or repairs,
please contact:

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

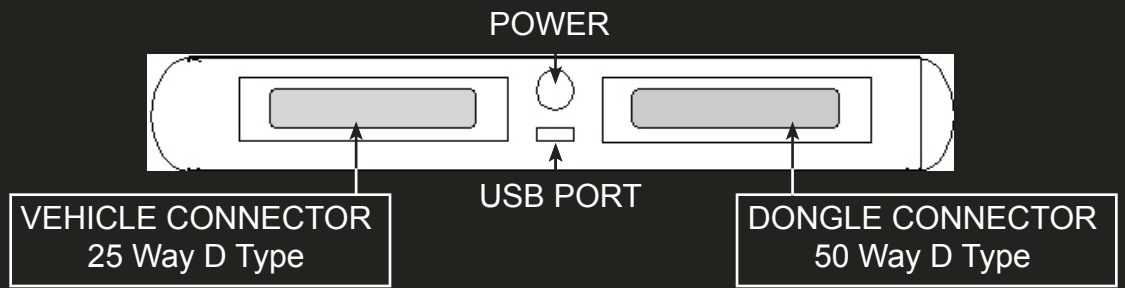
Phone 1-702-799-9705
Internet: www.adusa.us

To facilitate communication, please state the name of the customer & the tool serial number.

THE *PRO* KEYPAD OPERATION



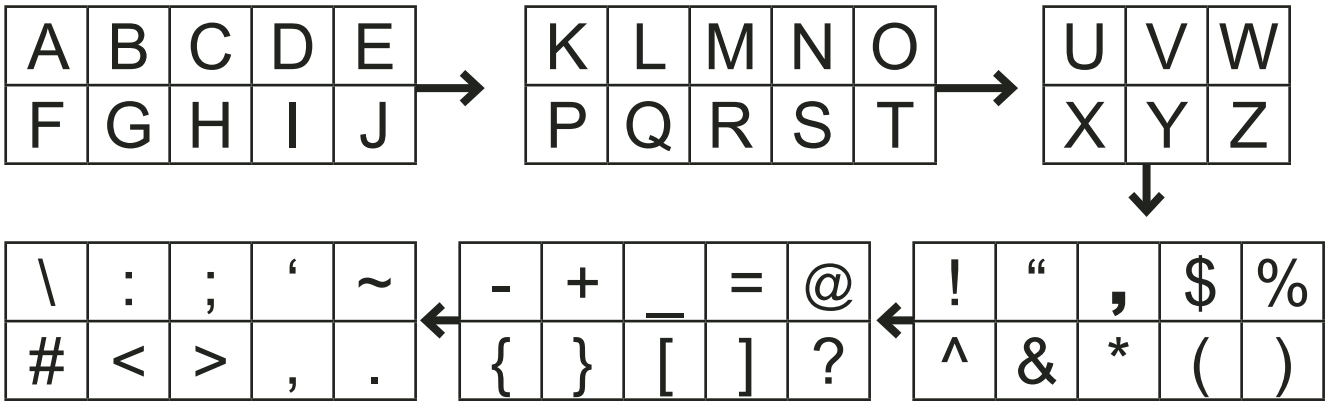
THE *PRO* CONNECTIONS



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THE *PRO* KEYPAD OPERATION





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

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

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

INITIAL OPERATION - INITIAL OPERATION

INITIAL OPERATION

U.S. Patent #7315238



MEMORY 1	MEMORY 2
STANDARD SOFTWARE V XXX	**BETA SOFTWARE** V XXX
F1	F3
F5	

Main Menu
To select a function either press the **Function buttons (F1 to F5)** or touch. the appropriate icon.



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



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

STANDARD SOFTWARE V XXX F1

BETA SOFTWARE V XXX F3

Software Selection
Select either Standard or Beta software

The vehicle selection menu will then be displayed.

Download

The unit is updated whilst the main menu is being displayed.

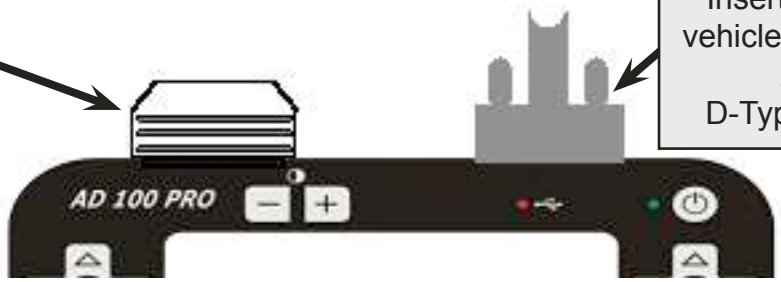
Refer to the **Software Update** section of this manual.

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INITIAL OPERATION - INITIAL OPERATION

DONGLE
Insert appropriate dongle into the 50-way D-Type connector

CABLE
Insert appropriate vehicle cable into the 25-way D-Type connector



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

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

3) The Main Menu selection screen will appear.

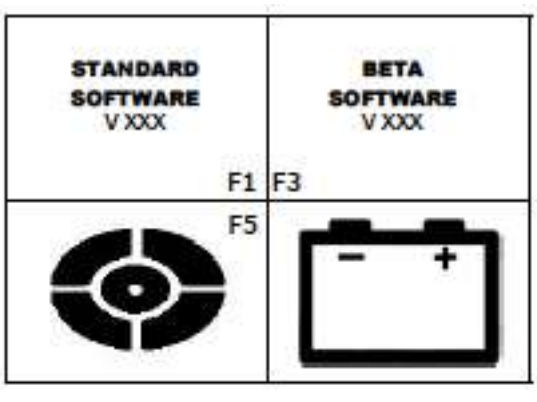
4) If required, the contrast can be adjusted using the or buttons.

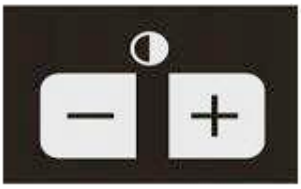
Note: The contrast can be adjusted on any screen.



POWER BUTTON







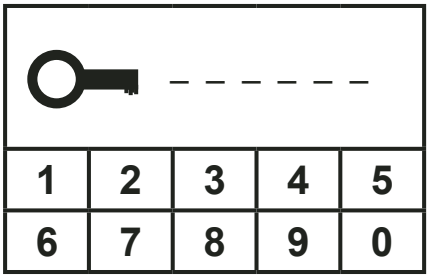
NOTE: The ***PRO*** unit will not power up unless a dongle is plugged into the unit.

PRO UNIT IS PASSWORD PROTECTED

INITIAL OPERATION - INITIAL OPERATION

EVERY TIME THE PRO IS TURNED ON THE UNIT'S 6 DIGIT SECURITY CODE MUST BE ENTERED - This code is on the card that came with your kit. Keep this in a safe place and do not forget it.

Enter the 6 Digit security code using the screen keypad.

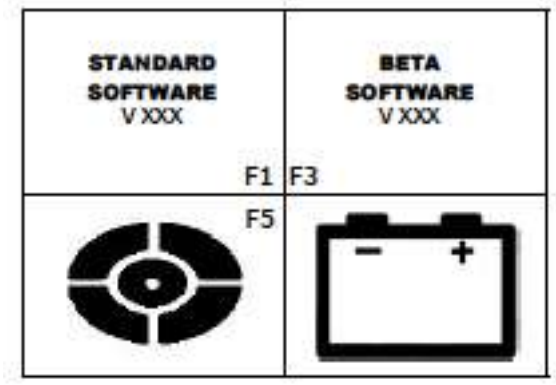




WATCH VIDEO

>>>>>WARNING<<<<<>>>>>WARNING<<<<<>>>>>WARNING<<<<<

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



SOFTWARE SELECTION

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

Displays the current software and version loaded on the tester.

WARNING:
IF YOU CHOOSE BETA SOFTWARE, THIS IS ENTIRELY AT YOUR OWN RISK. ADVANCED DIAGNOSTICS TAKE NO RESPONSIBILITY FOR THIS SOFTWARE.

Please note that BETA software is the latest software that we are working on and is not fully tested, however it allows customers to use the latest software at their own risk.

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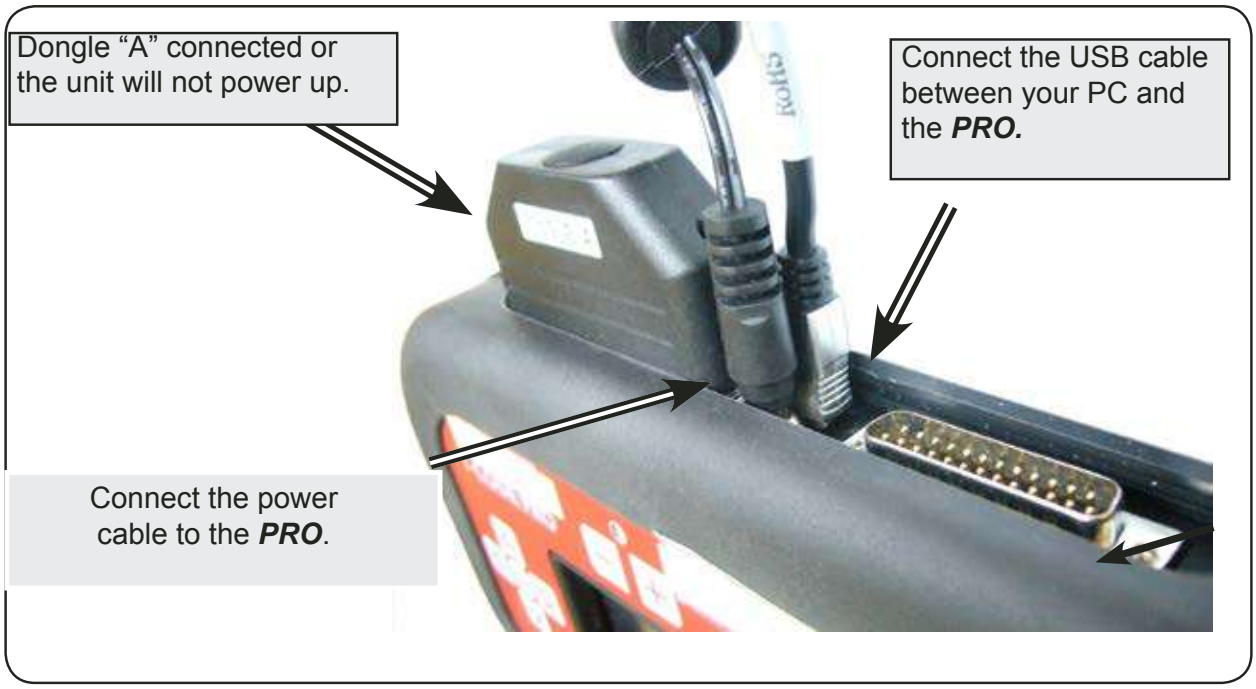
SOFTWARE UPDATING - Connections with dongle A in place



A Windows PC is needed in order to load and update the software on your PRO

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

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



Pro Loader Download (Software and Tokens)

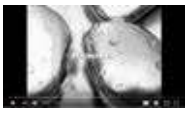
Click on this link to download the AD Loader PC Software

UPDATING THE SOFTWARE / ADDING TOKENS ON MVP

Video Tutorial: Pro Loader Installation



Video Tutorial: Adding Tokens To MVP Pro



Video Tutorial: Touch Screen Calibration



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UPDATING THE SOFTWARE WHEN USING SMART DONGLE

SOFTWARE UPDATING - Connections with SMART DONGLE

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



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

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

ADC-241 ADAPTOR



ADC-241 ADAPTOR MUST BE USED WHEN UPDATING USING SMART DONGLE

INITIAL OPERATION - INITIAL OPERATION

CONNECTING TO THE VEHICLE

ADC-250 cable shown connected to a typical OBD2 port location



Port locations vary on different makes & models but are typically just under the dash on the drivers side and not too hard to find.

A few oddballs like early Acura may be hidden behind a trap door or inside the ashtray area but most are easy to find.

WATCH VIDEO - ADC-250 main cable



CONNECTION DONGLE FOR THE USA MVP PRO KIT -

These configure the unit for different communications protocals used by the manufacturers

A (BLACK)	B (RED)	C (GREEN)	D (BLUE)	E (YELLOW)	F (WHITE)	G (TAN)	J (PURPLE)
							

K (BROWN)	M (*ORANGE)	N (LIME GREEN)	L (PINK)	*P (BURGANDY)	
	 *Latest are burgandy			NO IMAGE AVAILABLE *Now discontinued , is only needed on some units sold in 2013-14 if your unit came with one its for CHRYSLER CCD (TYPE1 immo & some CCD system remotes)	Connect & store the connection dongles & cables carefully.

CONNECTION CABLES

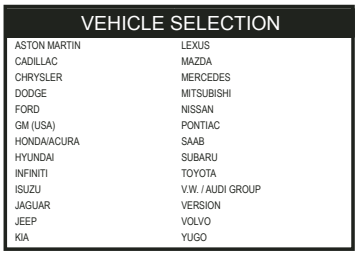
ADC-250 MAIN OBD	ADC-118 NISSAN OLD STYLE CABLE	ADC-153 - USB PC TO PRO UPDATE CABLE	ADC-152 12 VOLT POWER ADAPTOR FOR UPDATING
			

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VEHICLE SELECTION

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

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



SMART CARD CALCULATOR

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

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

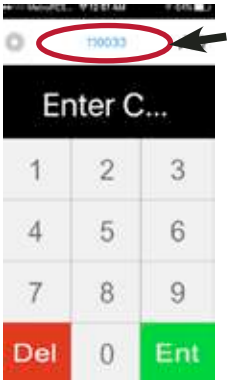
The smart card calculator was introduced for a number of reasons, the main ones being to increase the security of our software and to take away any need for customers to use our web sites for security.

The current software when connected to a vehicle will give you a security OUTCODE and a security INCODE is required to continue to use the software. This new system will enable customers to obtain this INCODE without using our web site, and no internet or mobile phone connection is required.
The calculator is 100% stand alone.



SMART CARD APPS for Smart Phones

Smart Card Apps are now available on Your Mobile Device.



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

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

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

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

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

This app can only be used with PRO units that have been registered to your AD account.

I/Q GLOBAL APP for Smart Phones

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

WATCH HELPFUL VIDEO FROM TECH SUPPORT



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

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MVP PRO, T-CODE PRO Device END USER AGREEMENT

continued...

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Said trademarks and/or trade names are nominated only for the purposes of information in order that any (insert info here i.e. cylinder, lock, key) for which our products are made can be rapidly identified.
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LIMITED MANUFACTURER'S WARRANTY

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

1. LABOR: For a period of 365 days from the date of purchase, if this Device is determined to be defective, AD UK will repair or replace the Product, at its option, at no charge, or pay the labor charges to any AD UK authorized service facility. After 365 days, You must pay for all labor charges.
2. PARTS: In addition, AD UK will supply, at no charge, new or rebuilt replacements in exchange for defective parts for a period of 1 year at its sole discretion. To obtain warranty service, You must take the MVP PRO or T-CODE PRO Device, or deliver the Device freight prepaid, in either its original packaging or packaging affording an equal degree of protection, to AD UK's distributor: Advanced Diagnostics USA ,Kaba Ilco Corp. 400 Jeffreys Road Rocky Mount, NC 27804 Tel: 1-702-799-9705.
This warranty does not cover: Customer instruction, installation or set up adjustments, Any use not expressly permitted by the MVP PRO or T-CODE PRO Device End User License Agreement, Cosmetic damage or damage due to acts of God, accident, misuse, abuse, negligence, commercial use, or modification of or to any part of the Device, Any modification, adjustment of MVP PRO or T-CODE PRO Device or combination of MVP PRO or T-CODE PRO Device with any other equipment or software, Damage due to improper use or maintenance, connection to improper voltage supply, misuse of Tokens, Keys or Software or attempted repair undertaken by anyone other than AD UK or its authorized distributors, MVP PRO or T-CODE PRO Devices and all Software included sold AS IS or WITH ALL FAULTS, or consumables, such as batteries or Tokens.

This warranty is only valid in the United States.

REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER.
ADVANCED DIAGNOSTICS UK AND ITS DISTRIBUTOR ADVANCED DIAGNOSTICS USA, INC. SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT, EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OR MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS DEVICE IS LIMITED IN DURATION FOR THE DURATION OF THIS WARRANTY. Some states do not allow limitations on warranties, so these limitations may not apply to You. This warranty gives You specific legal rights, and You may have other rights, which vary from state to state.

PROPER VEHICLE IDENTIFICATION IS ESSENTIAL TO SUCCESS!

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

10th Digit of the VIN = Model Year	
1996 = T	2007 = 7
1997 = V	2008 = 8
1998 = W	2009 = 9
1999 = X	2010 = A
2000 = Y	2011 = B
2001 = 1	2012 = C
2002 = 2	2013 = D
2003 = 3	2014 = E
2004 = 4	2015 = F
2005 = 5	2016 = G
2006 = 6	2017 = H
Example- 1N4AL3AP0DN451923 D= 2013 model year	

LOOK AT 10TH POSITION OF THE VIN

STRONG BATTERY VOLTAGE IS IMPORTANT!

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

Use a jump pack or jumper cables.

KEEP YOUR MVP PRO / T-CODE PRO UPDATED

ILCO KEY CUTTING EQUIPMENT

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

Futura Pro

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



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

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

Bravo III with EZ-Jaw®

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



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

Find a Sales Representative Near You

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ACURA & HONDA SECTION





T-CODE SOFTWARE PACKS:

(ADS-110) Acura & Honda Basic

(ADS-166) Honda Accord 2008

(ADS-193) Honda & Acura Proximity

(Software names generally refer to the date of release on the T-CODE not the years of vehicles covered).

Find a Sales Representative Near You

READ THIS BEFORE WORKING ON ANY ACURA HONDA
VEHICLES THAT MAY HAVE HAD COMPONENTS CHANGED.
Component matching on ALL Type3 and up systems.
If any computer components such as PCM, Immo ring, etc. Have been replaced or swapped out.
(By a body shop for example, when a new steering collumn has been installed.)
A DEALER TOOL will be required in order to re-match components.
Simply programming the keys with MVP or TCODE will not perform the necessary matching functions!

2013-2016 ACCORD (HONDA) PROXIMITY TYPE IGNITIONS — ADS-193

OEM	ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM PROX REMOTE Check with Distributor		Select by Vehicle	Yes	Smart Card or A.D. Webcode required.		**A**-Black Or SD

2013-2016 ACCORD (HONDA) KEY TYPE IGNITIONS — ADS-166

OEM	ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM "G" RKE KEY or ILCO HO05-PT		Type **13**	Yes	Smart Card or A.D. Webcode required.		**A**-Black Or SD

2008-2012 ACCORD (HONDA) — ADS-166

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HO03-PT	Type **13**	Yes	Smart Card or A.D. Webcode required.		**A**-Black Or SD

2003-2007 ACCORD (HONDA) — ADS-110

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HO03-PT	Type **4**	No	Not Needed	Not Needed	**C**-Green Or SD

1998-2002 ACCORD (HONDA) — ADS-110

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HD106-PT 	Type **2A** **or** Type **2C**	No	Not Needed	Not Needed	***C**-Green Or SD

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

2014-2017 CIVIC (HONDA) PROXIMITY TYPE IGNITIONS — ADS-193

OEM	ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM PROX REMOTE Check with Distributor		Select by Vehicle	Yes	Smart Card or A.D. Webcode required.		**A**-Black Or SD

2014-2016 CIVIC (HONDA) KEY TYPE IGNITIONS — ADS-193

OEM	ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM "G" RKE KEY or ILCO HO05-PT		Type **13**	Yes	Smart Card or A.D. Webcode required.		**A**-Black Or SD

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2012-2013 CIVIC (HONDA) — ADS-166

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HO03-PT	Type 13	Yes	Smart Card or A.D. Webcode required.		**A**-Black Or SD

2006-2011 CIVIC (HONDA) — ADS-110

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HO03-PT	Type 7 or 8	Yes	Smart Card or A.D. Webcode required.		**A**-Black Or SD

2003-2005 CIVIC (HONDA) — ADS-110

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HO01-PT 	Type 3	No	Not Needed	Not Needed	**C**-Green Or SD

2001-2002 CIVIC (HONDA) — ADS-110

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HD106-PT 	Type 3	No	Not Needed	Not Needed	**C**-Green Or SD

1998-2003 CL (ACURA) — ADS-110

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HD106-PT 	Type 2A or Type 2C	No	Not Needed	Not Needed	***C**-Green Or SD

Note: * In some case's it may be necessary to use Dongle "A" or "C".

2006-2010 CSX (CANADA) (ACURA) — ADS-110

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HO03-PT	Type 7 or 8	No	Smart Card or A.D. Webcode required.		**A**-Black Or SD

2013-2016 CROSSTOUR (HONDA) PROXIMITY TYPE IGNITIONS — ADS-193

DEALER	ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM PROX REMOTE Check with Distributor		Select by Vehicle	Yes	Smart Card or A.D. Webcode required.		**A**-Black Or SD

2013-2016 CROSSTOUR (HONDA) KEY TYPE IGNITIONS — ADS-166

DEALER	ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM "G" RKE KEY or ILCO HO05-PT		Type 13	Yes	Smart Card or A.D. Webcode required.		**A**-Black Or SD

Note: Vehicle also uses a Remote Head key from the factory.

2010-2012 CROSSTOUR (HONDA) KEY TYPE IGNITIONS — ADS-166

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HO03-PT	Type 13	Yes	Smart Card or A.D. Webcode required.		**A**-Black Or SD

2016 CRV (HONDA) PROXIMITY TYPE IGNITIONS — ADS-193

OEM	ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM PROX REMOTE Check with Distributor		Select by Vehicle	Yes	Smart Card or A.D. Webcode required.		**A**-Black Or SD

2014-2016 CRV (HONDA) KEY TYPE IGNITIONS — ADS-166

DEALER	ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM "G" RKE KEY or ILCO HO05-PT		Type 13	Yes	Smart Card or A.D. Webcode required.		**A**-Black Or SD

2012-2013 CRV (HONDA) — ADS-166

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HO03-PT	Type 13	Yes	Smart Card or A.D. Webcode required.		**A**-Black Or SD

2007-2011 CRV (HONDA) — ADS-110

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HO03-PT	Type 10	Yes	Smart Card or A.D. Webcode required.		**A**-Black Or SD

2002-2006 CRV (HONDA) — ADS-110

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HO01-PT 	Type 3	No	Not Needed	Not Needed	**C**-Green Or SD

2011-2014 CRZ (HONDA) — ADS-110

ILCO		SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
5907553 HD112HPT	HO03-PT	Type 10	Yes	Smart Card or A.D. Webcode required.		**A**-Black Or SD

2003-2005 EL (CANADA) (ACURA) — ADS-110

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HD106-PT 	Type 3	No	Not Needed	Not Needed	**C**-Green Or SD

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2001-2002 EL (Canada) (Acura) — ADS-110

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HD106-PT 	Type 3	No	Not Needed	Not Needed	**C**-Green Or SD

2011-2012 ELEMENT (Honda) — ADS-166

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HO03-PT	Type 13	Yes	Smart Card or A.D. Webcode required.		**A**-Black Or SD

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

2007-2010 ELEMENT (Honda) — ADS-110

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HO03-PT	Type 11	Yes	Smart Card or A.D. Webcode required.		**D** Blue

Split Year

2006 ELEMENT (Split Year) (Honda) — ADS-110

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HO03-PT	Type 4	No	Not Needed	Not Needed	**C**-Green Or SD

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

2006 ELEMENT (Split Year) (Honda) — ADS-110

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HO01-PT 	Type 3	No	Not Needed	Not Needed	**C**-Green Or SD

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

2003-2005 ELEMENT (Honda) — ADS-110

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HO01-PT 	Type 3	No	Not Needed	Not Needed	**C**-Green Or SD

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

2015-2016 FIT (Honda) PROXIMITY type ignitions — ADS-193

DEALER	ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM PROX REMOTE Check with Distributor		Select by Vehicle	YES	Not Needed	Not Needed	**A**-Black Or SD

2015-2016 FIT (HONDA) KEY TYPE IGNITIONS — ADS-166

DEALER	ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM "G" RKE KEY or ILCO HO05-PT		Type 13	Yes	Smart Card or A.D. Webcode required.		**A**-Black Or SD

2009-2014 FIT (HONDA) — ADS-110

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HO03-PT	Type 10	Yes	Smart Card or A.D. Webcode required.		**A**-Black Or SD

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

2008 FIT (HONDA) — ADS-110

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HO03-PT	Type 11	Yes	Smart Card or A.D. Webcode required.		**D**-Blue Or SD

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

Split Year

2007 FIT (HONDA) — ADS-110

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HD113-PT	Type 9	Yes	Smart Card or A.D. Webcode required.		**D**-Blue Or SD **A**-Black Or SD

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

2015-2016 HR-V (HONDA) PROXIMITY TYPE IGNITIONS — ADS-193

OEM	ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM PROX REMOTE Check with Distributor NOTE: Different Prox than Accord		Select by Vehicle or ACCORD	Yes	Smart Card or A.D. Webcode required.		**A**-Black Or SD

2015-2016 HR-V (HONDA) KEY TYPE IGNITIONS — ADS-166

DEALER	ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM "G" RKE KEY or ILCO HO05-PT		Type 13	Yes	Smart Card or A.D. Webcode required.		**A**-Black Or SD

2013-2016 ILX - PROXIMITY (ACURA) — ADS-193

DEALER	ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM PROX REMOTE Check with Distributor		Select by Vehicle	Yes	Smart Card or A.D. Webcode required.		**N**-Lime Green Or SD W/ V12.85 or higher

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2010-2014 INSIGHT (Honda) — ADS-110

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HO03-PT	Type 10	Yes	Smart Card or A.D. Webcode required.		**A**-Black Or SD

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

2000-2006 INSIGHT (Honda) — ADS-110

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HD106-PT 	Type 2A	No	Not Needed	Not Needed	**C**-Green Or SD

Note: Models with ULEV engine will use Type 2C with Pro "A" Dongle.

2000-2001 INTEGRA (Acura) — ADS-110

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HD106-PT 	Type 2A	No	Not Needed	Not Needed	**A or C**

Note: In some case's it may be necessary to use Pro Dongle "A" or "C".

2014-2016 MDX (Acura) PROXIMITY type ignitions — ADS-193

DEALER	ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM PROX REMOTE Check with Distributor		Select by Vehicle	YES	Not Needed	Not Needed	**A**-Black Or SD

Procedures are the same as the 14 Honda Accord Prox.

2007-2013 MDX (Acura) — ADS-110

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HO03-PT	Type 7 or 8	Yes	Smart Card or A.D. Webcode required.		**A**-Black Or SD

2001-2006 MDX (Acura) — ADS-110

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HD106-PT 	Type 2B or 3	No	Not Needed	Not Needed	**C**-Green Or SD

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

1997-2005 NSX (Acura) — ADS-110

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HD106-PT 	Type 1A	No	Not Needed	Not Needed	**C**-Green Or SD

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

2014-2016 ODYSSEY (Honda) PROXIMITY type ignitions — ADS-193

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM PROX REMOTE Check with Distributor	Select by Vehicle	Yes	Smart Card or A.D. Webcode required.		**A**-Black Or SD

2011-2013 ODYSSEY (Honda) — ADS-166

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HO03-PT	Type 13	Yes	Smart Card or A.D. Webcode required.		**A**-Black Or SD

2007-2010 ODYSSEY (Honda) — ADS-110

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HO03-PT	Type 11	Yes	Smart Card or A.D. Webcode required.		**D** Blue

2005-2006 ODYSSEY (Honda) — ADS-110

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HO03-PT	Type 4	No	Not Needed	Not Needed	**C**-Green Or SD

2003-2004 ODYSSEY (Honda) — ADS-110

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HO01-PT 	Type 2B or 3	No	Not Needed	Not Needed	**C**-Green Or SD

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

1998-2002 ODYSSEY (Honda) — ADS-110

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HD106-PT 	Type 2A	No	Not Needed	Not Needed	**C**-Green Or SD

Note: In some case's it may be necessary to use Pro Dongle "A" or "C".

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2016 PILOT (HONDA) PROXIMITY TYPE IGNITIONS — ADS-193

OEM	ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM PROX REMOTE Check with Distributor		Select by Vehicle	Yes	Smart Card or A.D. Webcode required.		**A**-Black Or SD

2009-2015 PILOT (HONDA) — ADS-166

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HO03-PT	Type **13**	Yes	Smart Card or A.D. Webcode required.		**A**-Black Or SD

2006-2008 PILOT (HONDA) — ADS-110

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HO03-PT	Type **4**	No	Not Needed	Not Needed	**C**-Green Or SD

2005 PILOT (SPLIT YEAR) (HONDA) — ADS-110

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HO01-PT 	Type **2B**	No	Not Needed	Not Needed	**C**-Green Or SD

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

Split Year

2005 PILOT (SPLIT YEAR) (HONDA) — ADS-110

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HO03-PT	Type **4**	No	Not Needed	Not Needed	**C**-Green Or SD

2003-2004 PILOT (HONDA) — ADS-110

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HO01-PT 	Type **2B**	No	Not Needed	Not Needed	**C**-Green Or SD

1997-2001 PRELUDE (HONDA) — ADS-110

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HD106-PT 	Type **1A**	No	Not Needed	Not Needed	**C**-Green Or SD

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

2013-2016 RDX - Proximity (Acura) — ADS-193

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM PROX REMOTE Check with Distributor	Select by Vehicle	Yes	Smart Card or A.D. Webcode required.		**N** Lime Green

2007-2012 RDX (Acura) — ADS-110

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HO03-PT	Type **7 or 8**	Yes	Smart Card or A.D. Webcode required.		**A**-Black Or SD

2017 RIDGELINE (Honda) PROXIMITY type ignitions — ADS-193

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM PROX REMOTE Check with Distributor	Select by Vehicle or ACCORD	Yes	Smart Card or A.D. Webcode required.		**A**-Black Or SD

2009-2014 RIDGELINE (Honda) — ADS-110

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HO03-PT	Type **11**	Yes	Smart Card or A.D. Webcode required.		**D** Blue

2006-2008 RIDGELINE (Honda) — ADS-110

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HO03-PT	Type **4**	No	Not Needed	Not Needed	**C**-Green Or SD

2010-2012 RL (Acura) E-KEY Programming — ADS-110

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM E-KEY 35111-SJA-305	Type **11**	Yes	Smart Card or A.D. Webcode required.		**D** Blue

Note: Mechanical Ignition lock can be accessed by removing (un-snap) the Prox "Twist" Knob.

2005-2009 RL (Acura) E-KEY Programming — ADS-110

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM E-KEY 35111-SJA-305	Type **4**	No	Not Needed	Not Needed	**C**-Green Or SD

Note: Mechanical Ignition lock can be accessed by removing (un-snap) the Prox "Twist" Knob.

2007-2012 RL (Acura) PROXIMITY Programming — ADS-193

DEALER	ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM PROX: 72147-SJA-A01 - Driver #1 72147-SJA-A11 - Driver #2		Select by Vehicle	Yes	Smart Card or A.D. Webcode required.		**N** Lime Green

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

2005-2006 RL (Acura) PROXIMITY Programming — ADS-193

DEALER	ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM PROX: 72147-SJA-A01 - Driver #1 72147-SJA-A11 - Driver #2		Select by Vehicle	Yes	Smart Card or A.D. Webcode required.		**C**-Green Or SD

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

2002-2004 RL (Acura) — ADS-110

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HD106-PT 	Type **1C**	No	Not Needed	Not Needed	**C**-Green Or SD

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

2000-2001 RL (Acura) — ADS-110

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HD106-PT 	Type **1C**	No	Not Needed	Not Needed	**C**-Green Or SD

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

1996-1999 RL (Acura) — ADS-110

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HD106-PT 	Type **1A**	No	Not Needed	Not Needed	**C**-Green Or SD

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

2014-2016 RLX (Acura) PROXIMITY type ignitions — ADS-193

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM PROX REMOTE Check with Distributor	Select by Vehicle	Yes	Smart Card or A.D. Webcode required.		**A**-Black Or SD

2002-2006 RSX (Acura) — ADS-110

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HD106-PT 	Type **3**	No	Not Needed	Not Needed	**C**-Green Or SD

2008-2009 S2000 (Honda) ADS-110

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HO03-PT	Type 9 or 11	Yes	Smart Card or A.D. Webcode required.		**D** Blue

2006-2007 S2000 (Honda) ADS-110

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HD113-PT	Type 9 or 11	Yes	Smart Card or A.D. Webcode required.		**D** Blue

2004-2005 S2000 (Honda) ADS-110

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HO01-PT 	Type 2A or 2B	No	Not Needed	Not Needed	**C**-Green Or SD

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

2000-2003 S2000 (Honda) ADS-110

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HD106-PT 	Type 2A or 2B	No	Not Needed	Not Needed	**C**-Green Or SD

Note: In some case's it may be necessary to use Pro Dongle "A" or "C".

2009-2014 TL (Acura) PROXIMITY type ignitions ADS-193

DEALER	ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM PROX: 72147-TK4-A71 - Driver #1 72147-TK4-A81 - Driver #2		Select by Vehicle	Yes	Smart Card or A.D. Webcode required.		**N** Lime Green

Note: Emergency key does Not have a chip in it. It is only used to unlock the door when the battery is low.

2009-2014 TL (Acura) KEY type ignitions ADS-166

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HO03-PT	Type 13	Yes	Smart Card or A.D. Webcode required.		**A**-Black Or SD

2007-2008 TL (Acura) ADS-110

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HO03-PT	Type 11	Yes	Smart Card or A.D. Webcode required.		**D** Blue

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2004-2006 TL (Acura) — ADS-110

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HD111-PT	Type 4	No	Not Needed	Not Needed	**C**-Green Or SD

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

1999-2003 TL (Acura) — ADS-110

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HD106-PT 	Type 2A	No	Not Needed	Not Needed	**C**-Green Or SD

Note: In some case's it may be necessary to use Pro Dongle "A" or "C".

2015-2016 TLX (Acura) PROXIMITY TYPE IGNITIONS — ADS-193

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM PROX REMOTE Check with Distributor	Select by Vehicle	Yes	Smart Card or A.D. Webcode required.		**A**-Black Or SD

2009-2013 TSX (Acura) — ADS-166

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HO03-PT	Type 13	Yes	Smart Card or A.D. Webcode required.		**A**-Black Or SD

2007-2008 TSX (Acura) — ADS-110

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HD111-PT	Type 11	Yes	Smart Card or A.D. Webcode required.		**D** Blue

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

2004-2006 TSX (Acura) ADS-110

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HD111-PT	Type 4	No	Not Needed	Not Needed	**C**-Green Or SD

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

2010-2013 ZDX (Acura) PROXIMITY type ignitions ADS-193

DEALER	ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM PROX REMOTE Check with Distributor		Select by Vehicle	Yes	Smart Card or A.D. Webcode required.		**N** Lime Green

2010-2012 ZDX (Acura) KEY type ignitions ADS-166

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HO03-PT	Type 13	Yes	Smart Card or A.D. Webcode required.		**A**-Black Or SD

READ THIS BEFORE WORKING ON ANY ACURA HONDA
VEHICLES THAT MAY HAVE HAD COMPONENTS CHANGED.
Component matching on ALL Type3 and up systems.
If any computer components such as PCM, Immo ring, etc. Have been replaced or swapped out.
(By a body shop for example, when a new steering collumn has been installed.)
A DEALER TOOL will be required in order to re-match components.
Simply programming the keys with MVP or TCODE will not perform the necessary matching functions!

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Type 1 Systems



SPECIAL FUNCTIONS

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

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

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

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

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

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-110	ADC-250 / ADC- 251 / C GREEN
MAX # OF KEYS:	**SMART DONGLE?**
6	YES
KEYS:	**SECURITY:**
RE-USABLE	NO PIN CODES
	COMPONENTS MATCHED?
	IMMO BOX & PCM ARE MATCHED
	MATCHING CAPABILITY?
	IMMO BOX

SECURITY LIGHT / THEFT INDICATOR:

Light should be out at end of procedure.
If theft light blinks key/keys have not been accepted. (Check transponder is correct)

TIPS:

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

SYSTEM SELECTION:

There are several different TYPE 1 varients.

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

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



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

HONDA	YEARS	KEYBLANK ILCO	SYSTEM
PRELUDE	1997-2002	HD106-PT	Type 1A

Type 1 Systems

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

START HERE:

Select:
+HONDA ACURA
+BY SYSTEM

REFER TO THE KEY LOOK UP GRID FOR PROPER SYSTEM SELECTION

Do Not Use the Red key unless prompted by the Device.

SWITCH IGNITION ON

PRESS ENTER KEY

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



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

ECU IDENTIFICATION

HONDA IMMO. USA

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

NOTE: You will need to follow the Device screens precisely. You might consider turning off your cell phone and pager.
Follow the screen prompts, there may a delay in communication speed, wait until prompted again.
When programming more than 1 key - you will be prompted for the "Next" key which means the next new key.
Continue to follow the screen prompts until the programming is finished.

DIAGNOSTIC MENU

> PROGRAM KEYS
KEY INFORMATION

REWRITE IMMOBILIZER

NO. OF ORIGINAL KEYS

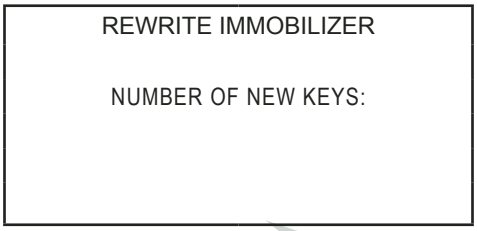
DO NOT INCLUDE
RED LEARNING KEY

Enter number "1" - Since the Black key that came with the new immobilizer box is considered an original key as it is matched to the new immobilizer box.

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Type 1 Systems

Use this method for: <u>ADDING</u> keys-or when <u>REPLACING</u> the Immobilizer Computer (Must have Red & Black Keys) - Cont'd



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: You will need to follow the Device screens precisely. You might consider turning off your cell phone.
Follow the screen prompts, there may a delay in communication speed, wait until prompted again.
When programming more than 1 key - you will be prompted for the "Next" key which means the next new key.
Continue to follow the screen prompts until the programming is finished.

TYPE 2, 3, 4, 7, 8, 9, 10, 11, 12, & TYPE 13 KEYED IGNITION SYSTEMS

(THESE SHOULD BE SELECTED BY SYSTEM)

We have grouped these all together because they all program much the same way, with just a few important differences, listed below.

SPECIAL FUNCTIONS

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

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

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

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-110 / ADS-166	ADC-250 / ADC- 251 USE KEY GUIDE FOR SYSTEM & DONGLE TO USE
MAX # OF KEYS:	**SMART DONGLE?**
6	YES
KEYS:	**SECURITY:**
RE-USABLE Use the Key Guide Section for proper system & key selection info. (Also, see notes below)	NO PIN CODES
	COMPONENTS MATCHED?
	TYPE 2 = NO (plug and play) **TYPE 3-13=YES , IMMO & PCM ARE MATCHED**
	MATCHING CAPABILITY?
	If any components are changed a dealer tool required to re-match.

TIPS:

Make sure to follow the screen prompts carefully. Watch for when to switch key on/off. Proceed slowly, make sure to watch for when to switch to the NEXT key.
(If programming more than one key)

SECURITY LIGHT / THEFT INDICATOR:

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

MORE INFO:

TYPE 2 SYSTEMS HAVE DIFFERENT VARIENTS, FOR EXAMPLE TYPE 2A & TYPE 2C.
IF KEYS FAIL TO PROGRAM UNDER TYPE 2A SWITCH TO TYPE 2C.

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

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



WATCH VIDEO - TYPE 8 WITH SMART DONGLE

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

MAKE SURE YOU ARE YOU USING THE CORRECT KEYS
KEYS WITH T5 stamped on blade are for cloning not programming.



They cannot be used for programming.



TYPE 2 THRU TYPE 13 (SELECTED BY SYSTEM) KEYED IGNITION SYSTEMS

Use this method to PROGRAM KEYS

START HERE:

Select:
+HONDA ACURA
+BY SYSTEM

REFER TO THE KEY GUIDE SECTION FOR PROPER SYSTEM SELECTION



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

HONDA IMMO. USA

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

You will need to follow the Device screens precisely.

DIAGNOSTIC MENU

> PROGRAM KEYS
KEY INFORMATION

PROGRAMMING KEYS

TOTAL KEYS REQD:

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

When programming more than 1 key - you will be prompted for the "Next" key which means the next new key.
Be careful not to miss this important instruction!

PROGRAMMING KEYS

SWITCH IGNITION OFF

PROGRAMMING KEYS

SWITCH IGNITION ON
WITH SAME KEY

PROGRAMMING KEYS

SWITCH IGNITION OFF
WITHIN 17 SEC.

PROGRAMMING KEYS

SWITCH IGNITION ON
WITHIN 20 SEC.
WITH SAME KEY

TYPE 2 THRU TYPE 13 (SELECTED BY SYSTEM) KEYED IGNITION SYSTEMS

Use this method to PROGRAM KEYS - CONTINUED

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

PROGRAMMING KEYS

IS IMMO. LIGHT OUT?
'1' = YES
'2' = NO

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

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

SOME CARS MAY BE LISTED AS TYPE 7 / 8 On these try TYPE 7 first, if you get access denied switch to TYPE 8. One will go thru.

PROGRAMMING KEYS

SWITCH IGNITION OFF

PROGRAMMING KEYS

SWITCH IGNITION ON
WITH SAME KEY

KEY INFORMATION
SYSTEM: X
KEYS STORED: X
TYPE: X

PRESS ENTER KEY

NOTE: At this point you are all done.

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

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

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

BEWARE IF MECHANICS HAVE CHANGED IGNITION OR OTHER COMPONENTS

>>>>>>>WARNING<<<<<<<

On TYPE3 and up Honda & Acura systems:
If any computer components have been changed or replaced MATCHING by the dealer will need to be performed before ANY of the procedures shown here will work.
These procedures can only replace/program keys and cannot be used to match components.

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Programming the Remote Head Part of Honda OEM Keys
(or vehicles it does not do automatically during Key programming)

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

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



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

RL PROX
TWIST KNOB SYSTEM
(SELECTED BY VEHICLE)



SPECIAL FUNCTIONS

TWO STEP PROCESS

STEP 1 is to program the E-KEYS.

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

STEP 2 is program the PROX part.

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

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

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-193	ADC-250 / ADC- 251 KEY LOOK UP GUIDE FOR DONGLE TO USE
MAX # OF KEYS:	**SMART DONGLE?**
6	YES
KEYS:	**SECURITY:**
RE-USABLE	NO PIN CODES
	COMPONENTS MATCHED?
	YES, COMPONENTS ARE MATCHED
	MATCHING CAPABILITY?
	NONE

SECURITY LIGHT / THEFT INDICATOR:

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

TIPS:

FOLLOW THE TESTER PROMPTS CAREFULLY

MORE INFO:

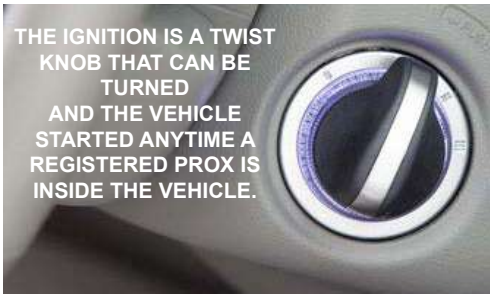
You must program at least 1 E-KEY.
If all keys are lost the first step is to cut & program E-KEY/S
This will use a token.
This first step requires the A or the D dongle (see apps guide.) and all E-KEYS you want to program should be done in one step.

IF ALL PROX ARE LOST -
Program at least 1 PROX (up to 4 total.) This will use a 2nd token.
This requires the N dongle and all PROX you want to program should be done in this second step. The car will run with just an E-KEY but if the customer wants the PROX to work you must complete the Prox programming.

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

RL PROX - TWIST KNOB SYSTEM

Components / Overview





72147-SJA-A01 Driver #1
72147-SJA-A01Driver #2



E-Key 35111-SJA-305

E-KEY CONTAINS A TRANSPONDER & SLIDES INTO PROX.

The E-KEYS are for use if the battery in the PROX goes dead.

MVP User's Notes on RL:

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

-Programming E Key/s will use a token.

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

IF ALL PROX ARE LOST -

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

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

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

If you just need to get the car running the car will run with just an E-KEY but if the customer wants the PROX to work you must complete the E-Key and the Prox programming.

RL PROX - TWIST KNOB SYSTEM

***Use this method to PROGRAM PROX** (Use when ALL PROX lost)*

Use the main OBD Cable
Check the application chart for correct dongle to use.

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

START HERE:



Select:

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

SWITCH THE IGNITION ON

AT THIS POINT YOU SHOULD HAVE A PROPERLY CUT AND PROGRAMMED E-KEY INSERTED IN THE IGNITION

IF YOU DO NOT HAVE A PROGRAMMED E-KEY YOU MUST PROGRAM ONE FIRST.

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

VEHICLE SELECTION

+RDX
+RSX
+RL
+TL

PRESS ENTER KEY

ECU IDENTIFICATION

ACURA RL PROXIMITY

PRESS ENTER KEY

VEHICLE SELECTION

+BLADED
+PROXIMITY

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
> SPECIAL FUNCTIONS

PRESS ENTER KEY

SWITCH IGNITION ON

PRESS ENTER KEY

DIAGNOSTIC MENU

+BLADED
+PROXIMITY

PRESS ENTER KEY

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RL PROX - TWIST KNOB SYSTEM

***Use this method to PROGRAM PROX** (Use when ALL PROX lost)*

BEFORE PROGRAMMING IT'S A GOOD IDEA TO LOOK AT "KEYS PROGRAMMED" THIS WILL DISPLAY HOW MANY PROXIMITY KEYS ARE CURRENTLY PROGRAMMED.

DIAGNOSTIC MENU

> KEYS PROGRAMMED
PROGRAM LOST KEYS
ADD PROXIMITY KEYS

PRESS ENTER KEY

IN THIS EXAMPLE WE CAN SEE THAT THERE ARE CURRENTLY 2 PROXIMITY KEYS PROGRAMMED.

KEYS PROGRAMMED

PROXIMITY KEYS : 2

PRESS ENTER KEY

>PROGRAM LOST KEYS WILL ERASE ALL CURRENTLY PROGRAMMED PROXIMITY KEYS AND WILL PROGRAM 1 PROXIMITY KEY INTO THE SYSTEM.

DIAGNOSTIC MENU

KEYS PROGRAMMED
> PROGRAM LOST KEYS
ADD PROXIMITY KEYS

PRESS ENTER KEY

LOST KEY PROGRAMMING

THIS PROCEDURE PROGRAMS ONE PROXIMITY KEY FROM A LOST KEY SITUATION. SWITCH IGNITION ON USING A E-KEY.
ENSURE THAT ONLY ONE NEW PROXIMITY KEY IS IN THE VEHICLE

PRESS ENTER KEY

**THE IGNITION SHOULD BE SWITCHED ON WITH A PROPERLY CUT AND PROGRAMMED E-KEY.
THERE SHOULD BE ONLY 1 PROXIMITY KEY THAT YOU WANT TO PROGRAM INSIDE THE VEHICLE.
(PLACE IT NEAR THE CENTER CONSOLE)
USING A PROX KEY THAT IS ALREADY PROGRAMMED IS OK IF YOU WANT TO ERASE ALL OTHERS.**

LOST KEY PROGRAMMING

PLEASE WAIT

GAINING ACCESS

LOST KEY PROGRAMMING

PLEASE WAIT
ADDING PROXIMITY KEY

RL PROX - TWIST KNOB SYSTEM

***Use this method to PROGRAM PROX** (Use when ALL PROX lost)*

LOST KEY PROGRAMMING
SWITCH IGNITION OFF. REMOVE E-KEY FROM IGNITION.
PRESS ENTER KEY

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

LOST KEY PROGRAMMING
PROCEDURE COMPLETE
PRESS ENTER KEY

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

ALSO IT'S A GOOD IDEA TO HAVE A LOOK AT "KEYS PROGRAMMED" (SEE BELOW)

DIAGNOSTIC MENU
> KEYS PROGRAMMED
PROGRAM LOST KEYS
ADD PROXIMITY KEYS
PRESS ENTER KEY

KEYS PROGRAMMED
PROXIMITY KEYS : 1
PRESS ENTER KEY

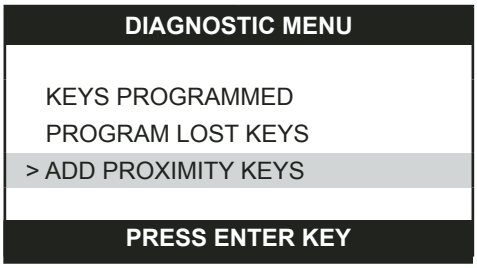
STAY CONNECTED & PROCEED TO ADD PROX
IF YOU WANT TO PROGRAM ADDITIONAL PROX AT THIS TIME.....

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RL PROX - TWIST KNOB SYSTEM

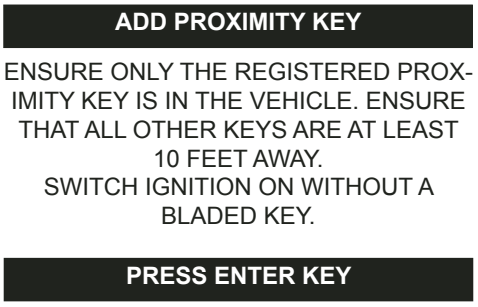
Use this method to ADD PROX

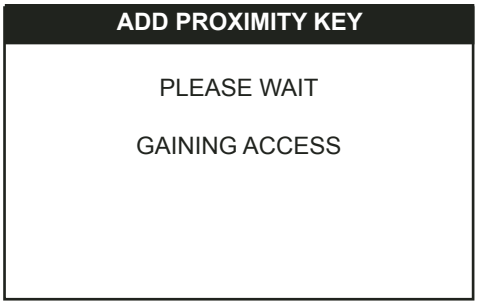
THIS FUNCTION WILL ADD A PROXIMITY KEY.
YOU NEED AT LEAST 1 ALREADY PROGRAMMED PROXIMITY KEY TO PERFORM THIS PROCEDURE.
IT'S A GOOD IDEA TO LABEL THE PROXIMITY KEYS SO THAT YOU CAN KEEP TRACK OF WHICH ONE YOU HAVE AT ANY TIME AND AVOID MIXING THEM UP DURING THIS PROCEDURE.



WITH 1 PROGRAMMED PROXIMITY KEY INSIDE THE VEHICLE SWITCH THE IGNITION ON BY USING THE TURN KNOB. (DO NOT INSERT THE E-KEY)

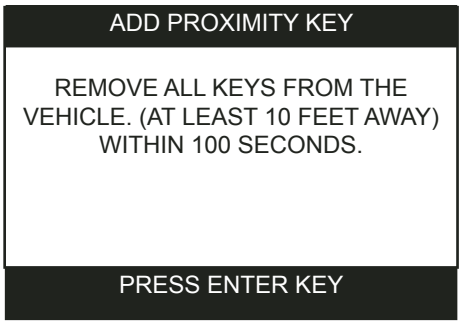
MAKE SURE ALL OTHER PROXIMITY KEYS ARE OUT OF RANGE (AT LEAST 10 FEET AWAY FROM THE CAR).





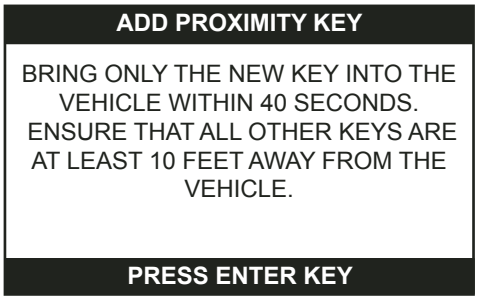
REMOVE ALL PROXIMITY KEYS FROM THE VEHICLE!

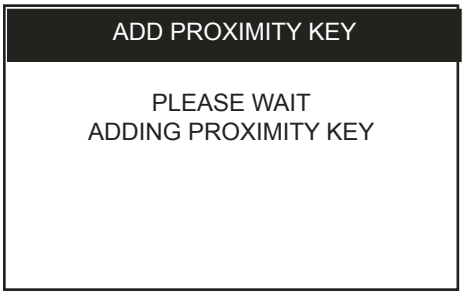
MAKE SURE THEY ARE OUT OF RANGE (AT LEAST 10 FEET AWAY FROM THE CAR)



NOW BRING JUST THE PROXIMITY KEY YOU WANT TO ADD INTO THE VEHICLE.

KEEP ALL OTHERS OUT OF RANGE!





RL PROX - TWIST KNOB SYSTEM

Use this method to ADD PROX

ADD PROXIMITY KEY

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

PRESS ENTER KEY

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

TEST THE OPERATION OF ALL PROX REMOTES!

ALSO IT'S A GOOD IDEA TO HAVE A LOOK AT "KEYS PROGRAMMED" (SEE BELOW)

DIAGNOSTIC MENU

> KEYS PROGRAMMED
PROGRAM LOST KEYS
ADD PROXIMITY KEYS

PRESS ENTER KEY

KEYS PROGRAMMED

PROXIMITY KEYS : 2

PRESS ENTER KEY

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TL PROX
(SELECTED BY VEHICLE)
WITH PROGRAMMING SLOT



SPECIAL FUNCTIONS

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

Be patient and careful it's a LONG PROCEDURE

CAREFULLY FOLLOW THE SCREEN PROMPTS!

BOTH ADD or ERASE IS AVAILABLE

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-193	ADC-250 / ADC- 251 N (LIME GREEN) DONGLE
MAX # OF KEYS:	**SMART DONGLE?**
6	NO
KEYS:	**SECURITY:**
RE-USABLE	NO PIN CODES
	COMPONENTS MATCHED?
	COMPONENTS ARE MATCHED
	MATCHING CAPABILITY?
	NONE

SECURITY LIGHT / THEFT INDICATOR:

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

TIPS:

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

Make sure the ignition is switched ON & OFF properly.

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

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

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

MORE INFO:

THIS SYSTEM USES A "PUSHBUTTON" PROX IGNITION WITH A PROGRAMMING SLOT.

PROGRAMMING SLOT.



TL PROX SYSTEM WITH PROGRAMMING SLOT

Use this method to PROGRAM 1 PROX & ERASE ALL others

START HERE:



Select:

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

VEHICLE SELECTION

+RDX
+RSX
+RL
+TL

PRESS ENTER KEY

VEHICLE SELECTION

+BLADED
+PROXIMITY

PRESS ENTER KEY

IGNITION SHOULD BE OFF

PRESS ENTER KEY

PROGRAM PROX

DO YOU HAVE A WORKING PROXIMITY KEY AVAILABLE ?

X ✔

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

✔

FORCE IGNITION

PRESS AND HOLD THE START /STOP BUTTON WITHIN 30 SECONDS

FORCE IGNITION

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

FORCE IGNITION

RELEASE START/STOP BUTTON

ECU IDENTIFICATION

PLEASE WAIT
* * * * * * *

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TL PROX SYSTEM WITH PROGRAMMING SLOT

Use this method to PROGRAM 1 PROX & ERASE ALL others

ECU IDENTIFICATION

PROXIMITY KEYS STORED : 02
SLOT KEYS STORED : 02

PRESS ENTER KEY

REGISTER PROX KEY

SWITCH IGNITION OFF

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
> SPECIAL FUNCTIONS

PRESS ENTER KEY

DIAGNOSTIC MENU

> REGISTER PROX KEY

PRESS ENTER KEY

PROGRAM PROX

DO YOU HAVE A WORKING
PROXIMITY KEY AVAILABLE ?

X ✔

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

✔

FORCE IGNITION

PRESS AND HOLD THE START /STOP
BUTTON WITHIN 30 SECONDS

FORCE IGNITION

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

FORCE IGNITION

RELEASE START/STOP
BUTTON

Make sure there is only 1 PROX in the vehicle at this time.

Make sure to remove ALL others and make sure they are out of range.

TL PROX SYSTEM WITH PROGRAMMING SLOT

Use this method to PROGRAM 1 PROX & ERASE ALL others

REGISTER PROX. KEY

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

PRESS ENTER KEY

REGISTER PROX. KEY

PLEASE WAIT
* * * * *
GAINING ACCESS

REGISTER PROX. KEY

PLEASE WAIT

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

REGISTER PROX. KEY

SWITCH IGNITION OFF

WITHIN 20 Sec.

The PROX
Should be inside the vehicle.
DO NOT
^ ^^^ into the programming slot
until directed to do so.

REGISTER PROX. KEY

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

PRESS ENTER KEY

IT'S WORTH MENTIONING THAT IT TAKES 2 PUSHES ON THE START BUTTON TO TURN THE IGNITION TO "ON"
1 PUSH ONLY GOES TO ACCESSORY

REGISTER PROX. KEY

SWITCH IGNITION ON

WITHIN 20 Sec.



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

REGISTER PROX. KEY

DOES THE
PROXIMITY / IMMOBILISER
LIGHT GO OFF ?

X ✔

REGISTER PROX. KEY

SWITCH IGNITION OFF

WITHIN 20 Sec.

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

TL PROX SYSTEM WITH PROGRAMMING SLOT

Use this method to PROGRAM 1 PROX & ERASE ALL others

REGISTER PROX. KEY

SWITCH IGNITION ON

WITHIN 20 Sec.

REGISTER PROX. KEY

SWITCH IGNITION OFF

WITHIN 20 Sec.

REGISTER PROX. KEY

SWITCH IGNITION ON

WITHIN 20 Sec.

REGISTER PROX. KEY

SWITCH IGNITION OFF

WITHIN 20 Sec.

REGISTER PROX. KEY

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

X ✔

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

✔

REGISTER PROX. KEY

SWITCH IGNITION ON

GAINING ACCESS

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

Continue to follow the remaining steps to program the PROX into the SLOT MODULE.

TL PROX SYSTEM WITH PROGRAMMING SLOT

Use this method to PROGRAM 1 PROX & ERASE ALL others

REGISTER PROX. KEY

INSERT THE PROXIMITY KEY INTO THE PROGRAMMING SLOT

PRESS ENTER KEY



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

REGISTER PROX. KEY

PLEASE WAIT

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

REGISTER PROX. KEY

SWITCH IGNITION OFF

WITHIN 20 Sec.

REGISTER PROX. KEY

SWITCH IGNITION OFF

WITHIN 20 Sec.

REGISTER PROX. KEY

SWITCH IGNITION ON

WITHIN 20 Sec.

REGISTER PROX. KEY

SWITCH IGNITION ON

WITHIN 20 Sec.

REGISTER PROX. KEY

SWITCH IGNITION OFF

WITHIN 20 Sec.

REGISTER PROX. KEY

DOES THE
PROXIMITY / IMMOBILISER
LIGHT GO OFF ?

X ✔

REGISTER PROX. KEY

PROXIMITY KEYS STORED : 01
SLOT KEYS STORED : 01

PRESS ENTER KEY

TL PROX SYSTEM WITH PROGRAMMING SLOT

Use this method to PROGRAM 1 PROX & ERASE ALL others

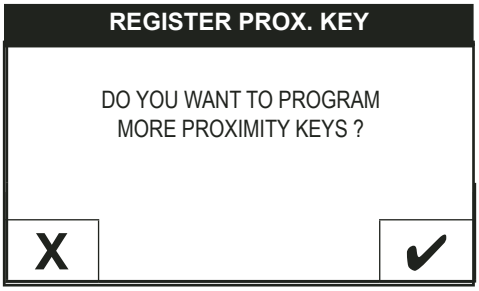
PROXIMITY KEYS STORED : 01
SLOT KEYS STORED : 01

1 Proximity Key is registered as a PROX.

1 Proximity Keys is also registered into the SLOT module.

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





STOP NOW IF YOU ARE DONE....

OR

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

TL PROX SYSTEM WITH PROGRAMMING SLOT

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

REGISTER PROX KEY

> REGISTER PROX KEY

PRESS ENTER KEY

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

Answer YES by selecting the CHECK MARK.

REGISTER PROX KEY

DO YOU HAVE A WORKING PROXIMITY KEYS ?

X ✔

REGISTER PROX KEY

DO YOU WANT TO ERASE EXISTING PROXIMITY KEY ?

X ✔

DO NOT SELECT THAT YOU WANT TO ERASE BECAUSE WE ARE ADDING PROX HERE

SELECT "NO" BY PRESSING THE CHECK MARK.

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

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

REGISTER PROX KEY

ENSURE ONLY THE REGISTERED PROXIMITY KEY IS IN THE VEHICLE.

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

PRESS ENTER KEY

REGISTER PROX. KEY

SWITCH IGNITION ON

WITHIN 20 Sec.

REGISTER PROX. KEY

PLEASE WAIT
* * * * *
GAINING ACCESS

REGISTER PROX. KEY

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

PRESS ENTER KEY

TL PROX SYSTEM WITH PROGRAMMING SLOT

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

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

REGISTER PROX. KEY

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

PRESS ENTER KEY

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

REGISTER PROX. KEY

PLEASE WAIT

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

REGISTER PROX. KEY

SWITCH IGNITION OFF

WITHIN 20 Sec.

REGISTER PROX. KEY

DO NOT INSERT THE PROXIMITY RE-
MOTE EVEN IF A PROXIMITY SLOT IS
AVAILABLE

PRESS ENTER KEY

**The PROX should be inside the
vehicle but DO NOT place it into the
programming slot at this point.**

REGISTER PROX. KEY

SWITCH IGNITION ON

WITHIN 20 Sec.

REGISTER PROX. KEY

DOES THE
PROXIMITY / IMMOBILISER
LIGHT GO OFF ?

X ✔



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

TL PROX SYSTEM WITH PROGRAMMING SLOT

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

REGISTER PROX. KEY

SWITCH IGNITION OFF

WITHIN 20 Sec.

REGISTER PROX. KEY

SWITCH IGNITION ON

WITHIN 20 Sec.

REGISTER PROX. KEY

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

X ✔

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

✔

PLACE THE PROX KEY YOU ARE ADD-ING INTO THE PROGRAMMING SLOT...

IT'S OK IF OTHER PROX ARE INSIDE THE CAR AT THIS POINT

REGISTER PROX. KEY

INSERT THE REGISTERED
PROXIMITY KEY INTO THE
PROGRAMMING SLOT.

PRESS ENTER KEY

REGISTER PROX. KEY

PLEASE WAIT

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

REGISTER PROX. KEY

REMOVE THE REGISTERED
PROXIMITY KEY FROM THE
PROGRAMMING SLOT.

PRESS ENTER KEY

REGISTER PROX. KEY

INSERT THE UN-REGISTERED
PROXIMITY KEY INTO THE
PROGRAMMING SLOT.

PRESS ENTER KEY

REGISTER PROX. KEY

SWITCH IGNITION OFF

WITHIN 20 Sec.

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TL PROX SYSTEM WITH PROGRAMMING SLOT

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

REGISTER PROX. KEY

SWITCH IGNITION ON

WITHIN 20 Sec.

REGISTER PROX. KEY

DOES THE
PROXIMITY / IMMOBILISER
LIGHT GO OFF ?

X ✔

REGISTER PROX. KEY

SWITCH IGNITION OFF

WITHIN 20 Sec.

REGISTER PROX. KEY

SWITCH IGNITION ON

WITHIN 20 Sec.

REGISTER PROX. KEY

SWITCH IGNITION OFF

WITHIN 20 Sec.

REGISTER PROX. KEY

SWITCH IGNITION ON

WITHIN 20 Sec.

REGISTER PROX. KEY

SWITCH IGNITION OFF

WITHIN 20 Sec.

ECU IDENTIFICATION

PROXIMITY KEYS STORED : 02
SLOT KEYS STORED : 02

PRESS ENTER KEY

REGISTER PROX. KEY

CHECK PROXIMITY REMOTE
LOCKS / UNLOCKS THE VEHICLE

PRESS ENTER KEY

REGISTER PROX. KEY

DO YOU WANT TO PROGRAM
MORE PROXIMITY KEYS ?

X ✔

STOP NOW IF YOU ARE DONE...

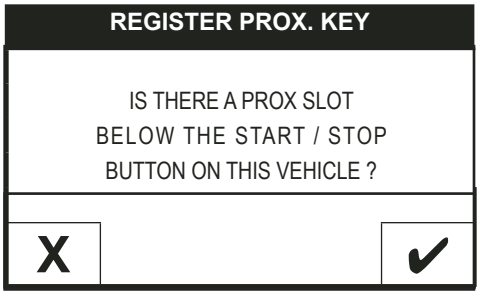
ILX / ZDX (“PUSH to START” without PROGRAMMING SLOT)

Varient of the TL System

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

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

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



SAY “NO” ON THIS SCREEN WHEN WORKING ON VEHICLES THAT DO NOT HAVE A SLOT BELOW THE START / STOP BUTTON





HOLD THE PROX UP TO THE BUTTON WHEN INSTRUCTED

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

ACCORD PROX
(SELECTED BY VEHICLE)



SPECIAL FUNCTIONS

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

Be patient and careful it's a LONG PROCEDURE

CAREFULLY FOLLOW THE SCREEN PROMPTS!

(Working carefully it should take an average of about 6 minutes.)

BOTH ADD or ERASE ARE AVAILABLE.

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-193	ADC-250 / ADC- 251 A (BLACK) DONGLE
MAX # OF KEYS:	**SMART DONGLE?**
6	YES
KEYS:	**SECURITY:**
RE-USABLE	NO PIN CODES
	COMPONENTS MATCHED?
	COMPONENTS ARE MATCHED
	MATCHING CAPABILITY?
	NONE

SECURITY LIGHT / THEFT INDICATOR:

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

TIPS:

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

Make sure the ignition is switched ON & OFF properly.

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

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

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

WATCH VIDEO - 2016 CR-V (LOST KEYS)



WATCH VIDEO - 2015 FIT (ADDING A PROX)



MORE INFO:





E-Key
DOES NOT CONTAIN A TRANSPONDER



THE 2013 ACCORD SYSTEM IS VERY SIMILIAR TO THE 2013 ILX .
LIKE ILX, ACCORD PROX VEHICLES DO NOT HAVE A PROGRAMMING SLOT.
THE PROGRAMMING PROCEDURE IS SIMPLIFIED FROM THAT OF THE ILX IN THAT THERE IS NO SECOND STEP NEEDED TO REGISTER THE PROX INTO THE SLOT MODULE.
WHEN INSTRUCTED HOLD THE PROXIMITY KEY UP TO THE START/STOP BUTTON
FOLLOW THE PROMPTS ON THE TESTER AND MAKE SURE TO FOLLOW THEM CAREFULLY.

THE SCREENS WILL INSTRUCT YOU WHAT TO DO & WHEN.

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

ACCORD PROX SYSTEM

Use this method to PROGRAM 1 PROX & ERASE ALL others

START HERE:

Select:

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



VEHICLE SELECTION

+BLADED
+PROXIMITY

PRESS ENTER KEY

IGNITION SHOULD BE OFF

PRESS ENTER KEY

PROGRAM PROX

DO YOU HAVE A WORKING
PROXIMITY KEY AVAILABLE ?

X ✔

Answer YES by selecting the CHECK MARK

Answer NO by selecting the X.

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

FORCE IGNITION

PRESS AND HOLD THE START /STOP BUTTON WITHIN 30 SECONDS

FORCE IGNITION

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

FORCE IGNITION

RELEASE START/STOP BUTTON

ECU IDENTIFICATION

PLEASE WAIT
* * * * * * *

ECU IDENTIFICATION

PROXIMITY KEYS STORED : 01

PRESS ENTER KEY

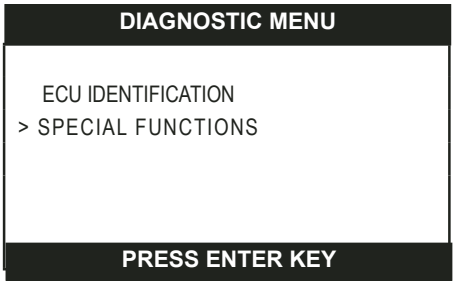
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ACCORD PROX SYSTEM

Use this method to PROGRAM 1 PROX & ERASE ALL others -Cont'd



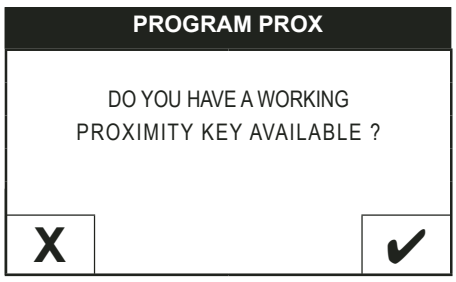


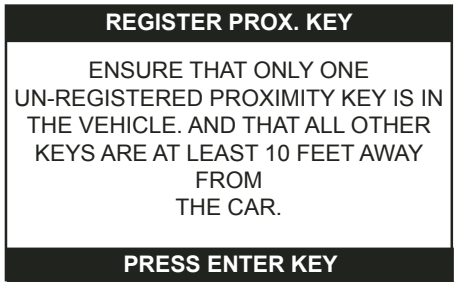












Answer NO by selecting the X.

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

Make sure there is only 1 PROX in the vehicle at this time.

Make sure to remove ALL others and make sure they are out of range.

ACCORD PROX SYSTEM

Use this method to PROGRAM 1 PROX & ERASE ALL others -Cont'd

REGISTER PROX. KEY

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

PRESS ENTER KEY

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



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

REGISTER PROX. KEY

DOES THE
PROXIMITY / IMMOBILISER
LIGHT GO OFF ?

X ✔

REGISTER PROX. KEY

SWITCH IGNITION ON

WITHIN 20 Sec.

REGISTER PROX. KEY

SWITCH IGNITION OFF

WITHIN 20 Sec.

REGISTER PROX. KEY

SWITCH IGNITION ON

WITHIN 20 Sec.

REGISTER PROX. KEY

SWITCH IGNITION OFF

WITHIN 20 Sec.

REGISTER PROX. KEY

SWITCH IGNITION ON

WITHIN 20 Sec.

REGISTER PROX. KEY

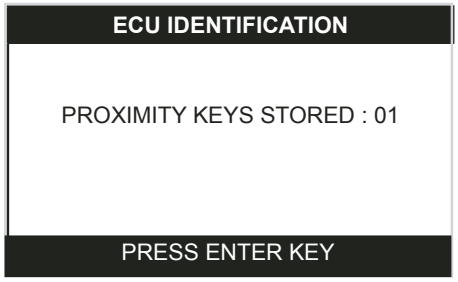
SWITCH IGNITION OFF

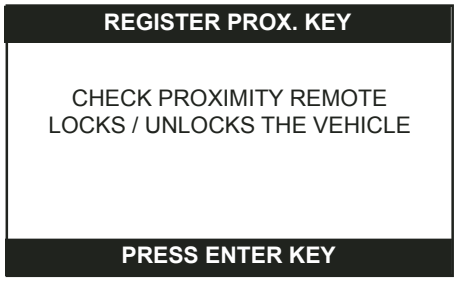
WITHIN 20 Sec.

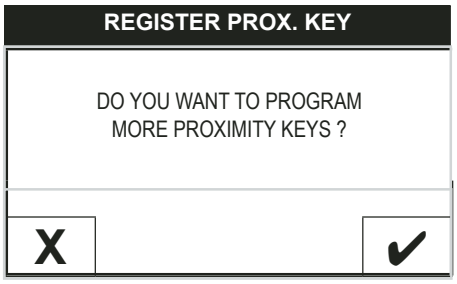
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ACCORD PROX SYSTEM

Use this method to PROGRAM 1 PROX & ERASE ALL others -Cont'd







X

STOP NOW IF YOU ARE DONE....

OR

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

✔

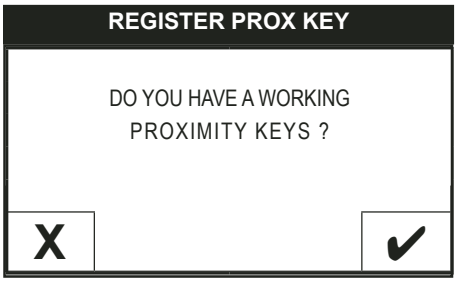
ACCORD PROX SYSTEM

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

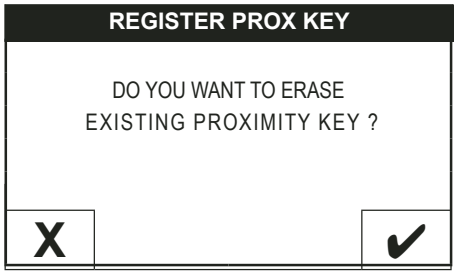
You MUST already have a working proximity key to ADD Prox.

Answer YES by selecting the CHECK MARK.





YOU MUST HAVE ONE NOW SO SELECT YES



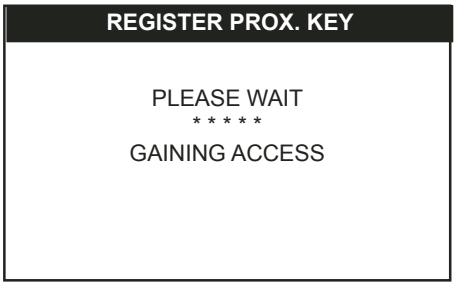
Remember since we are ADDING a PROX:
MAKE SURE TO SELECT NO HERE!

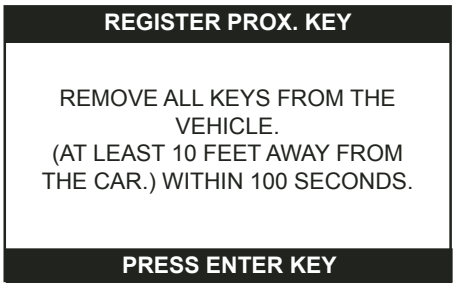
WITH 1 PROGRAMMED PROXIMITY KEY INSIDE THE VEHICLE SWITCH THE IGNITION ON.

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









ACCORD PROX SYSTEM

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

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

REGISTER PROX. KEY

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

PRESS ENTER KEY

REGISTER PROX KEY

PLEASE WAIT

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

REGISTER PROX. KEY

SWITCH IGNITION OFF

WITHIN 20 Sec.

REGISTER PROX. KEY

DO NOT INSERT THE PROXIMITY RE-
MOTE EVEN IF A PROXIMITY SLOT IS
AVAILABLE

PRESS ENTER KEY

THERE IS NO SLOT OR SLOT PROCE-DURE ON THE Accord PROX SYSTEM VEHICLES

REGISTER PROX. KEY

SWITCH IGNITION ON

WITHIN 20 Sec.

REGISTER PROX. KEY

DOES THE
PROXIMITY / IMMOBILISER
LIGHT GO OFF ?

X ✔



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

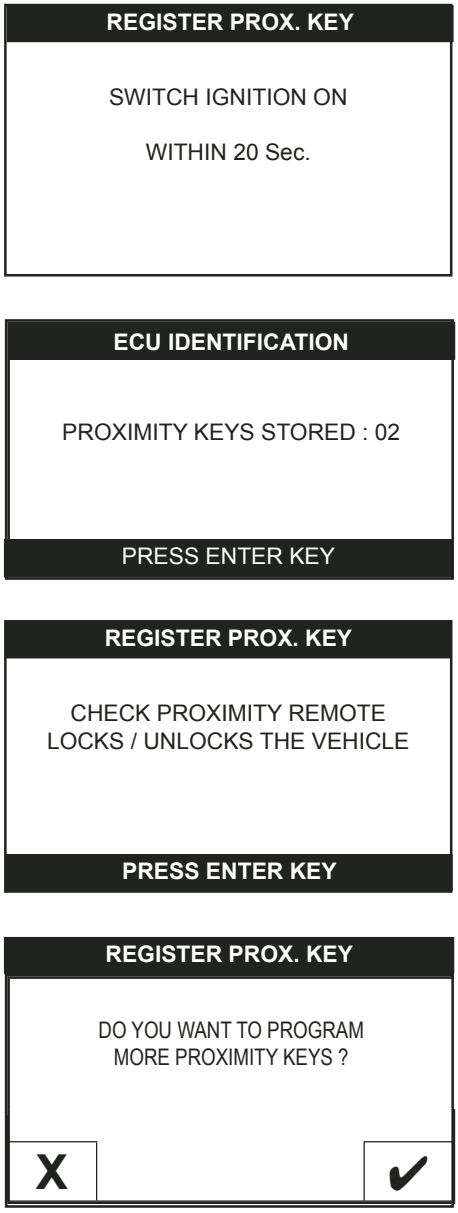
REGISTER PROX. KEY

SWITCH IGNITION OFF

WITHIN 20 Sec.

ACCORD PROX SYSTEM

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



STOP NOW IF YOU ARE DONE PRESS THE X

OR

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

✔

AUDI & VOLKSWAGEN SECTION





MVP U.S. Patent #7315238

T-CODE SOFTWARE PACKS:

Audi & VW Basic (ADS-115)

Audi & Volkswagen CAN (ADS-146)

Volkswagen 2013-14 (ADS-219)

ADC-219 VAG Instrument Reset Cable

(Software names generally refer to the date of release on the T-CODE not the years of vehicles covered).

Find a Sales Representative Near You

2002 - mid 2005 A4 (Audi) — ADS-146

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HU66T6	VAG IMMO TYPE 2 VPW	Yes	Yes 4-Digit PIN	By Engine Code Use BAA	A-Black Or SD

Note: 2005 is a split year

2001-2004 A6 / S6 (Audi) — ADS-115

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HU66T6	VAG IMMO TYPE 2 VPW	Yes	Yes 4-Digit PIN	By Engine Code See Note	A-Black Or SD

Note: For PIN read use VW Beetle BDC on 2.7 engine or VW Touareg BAA on 3.0 engines.

2001 A8 / S8 (Audi) — ADS-115

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HU66T6	VAG IMMO TYPE 2 VPW	Yes	Yes 4-Digit PIN	By Engine Code Use VW Beetle BDC	A-Black Or SD

2012-2014 BEETLE (Volkswagen) with Keyed Ignition — ADS-219

New Key & Spare Key Programming is possible. A programmed key is not needed

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HU66T24	UDS SYSTEM MM DASH	Yes	No PIN Needed	Not Needed	A-Black Or SD

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

2006-2010 BEETLE (Volkswagen) — ADS-146

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Key ordered by VIN after mid 2006 or use ADC-222 and Smart Aerial to Precode transponder.	Select by Vehicle VAG IMMO Type 3	Yes	Yes 5-Digit PIN	By Engine Code Gas engines use BPR	A-Black Or SD

2006 Might require Pre-Coding 2007-2010 will require Pre Coding.

2000-2005 BEETLE (Volkswagen) — ADS-115

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HU66T6	VAG IMMO TYPE 2 VPW	Yes	Yes 4-Digit PIN	MM DASH READ **See Note	A-Black Or SD

Note: For years '00-'01 with gas engines use MM5. For '02-'04 use Beetle BDC. For '05 use MM5 Beetle 2005+ Type 2.

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2000-2002 CABRIO (VOLKSWAGEN) — ADS-115

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer, key varies with VIN	VAG IMMO TYPE 1 VPW	Yes	Yes 4-Digit PIN	NO PIN READ by OBD see note	A-Black Or SD

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

2007-2008 EOS (VOLKSWAGEN) — ADS-146

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Key ordered by VIN	VAG IMMO CAN 1	Yes	Yes 5-Digit PIN	By Engine Code	A-Black Or SD

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

2001-2004 EUROVAN (VOLKSWAGEN) — ADS-115

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer, key varies with VIN	VAG IMMO TYPE 1 VPW	Yes	Yes 4-Digit PIN	NO PIN READ by OBD see note	A-Black Or SD

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

2010-2012 GOLF / GTI (VOLKSWAGEN) — ADS-219

ONLY SPARE KEY PROGRAMMING IS POSSIBLE. CANNOT BE USED IF NO WORKING KEY IS AVAILABLE.

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HU66T24	UDS SYSTEM VDO DASH	Yes	No PIN Needed	Not Needed	A-Black Or SD

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

2006-2008 GOLF / RABBIT (Volkswagen) — ADS-146

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Early 2006 - HU66T24 Mid 06-08 Dealer Key ordered by VIN	VAG IMMO CAN 1	Yes	Yes 5-Digit PIN	By Engine Code	**A**-Black Or SD

2002-2004 GOLF (Volkswagen) — ADS-115

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HU66T6	VAG IMMO TYPE 2 VPW	Yes	Yes 4-Digit PIN	By Engine Code See Note	**A**-Black Or SD

Note: Use Beetle BDC for gas engines.

2000-2001 GOLF (Volkswagen) — ADS-115

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HU66T6	VAG IMMO TYPE 2 VPW	Yes	Yes 4-Digit PIN	Use 1J/1E Auto (Cluster)	**A**-Black Or SD

2010-2012 Jetta (Volkswagen) with Keyed Ignition — ADS-219

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

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HU66T24	UDS SYSTEM VDO DASH	Yes	NO	Not Needed	**A**-Black Or SD

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

2009 Jetta (Volkswagen) — ADS-146

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HU66T24	Select Beta Auto Detect Immo	Yes	Yes	Use CCTA as Engine Code gas engines	**A**-Black Or SD

Note: A virgin key (chip) is required, it can be OEM key or an aftermarket key, as long as it is fresh, never used before and in an un-locked condition. OEM remote programming is also supported. Select Auto Detect Remotes.

2006-2008 Jetta (Volkswagen) — ADS-146

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Early 2006 - HU66T24 Mid 06-08 Dealer Key ordered by VIN	VAG IMMO CAN 1	Yes	Yes 5-Digit PIN	By Engine Code	**A**-Black Or SD

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Split Year

2005 Jetta (Volkswagen) Newer Body Style — ADS-146

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HU66T24	VAG IMMO CAN 1	Yes	Yes 5-Digit PIN	By Engine Code	**A**-Black Or SD

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

2005 Jetta (Volkswagen) Old Body Style — ADS-115

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HU66T6	VAG IMMO TYPE 2 VPW	Yes	Yes 4-Digit PIN	Use 1J/1E Auto (Cluster)	**A**-Black Or SD

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

If Vag Immo Type 2 Communicates it's the old body style.

2002-2004 Jetta (Volkswagen) — ADS-115

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HU66T6	VAG IMMO TYPE 2 VPW	Yes	Yes 4-Digit PIN	By Engine Code See Note	**A**-Black Or SD

Note: Use Beetle BDC for gas engines.

2000-2001 Jetta (Volkswagen) — ADS-115

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HU66T6	VAG IMMO TYPE 2 VPW	Yes	Yes 4-Digit PIN	Use 1J/1E Auto (Cluster)	**A**-Black Or SD

2011-2012 PASSAT (Volkswagen) with Keyed Ignition — ADS-219

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

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HU66T24	UDS SYSTEM VDO DASH	Yes	No Pin Needed	Not Needed	**A**-Black Or SD

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

2006-2008 PASSAT (Volkswagen) ADS-146

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Key ordered by VIN	VAG IMMO CAN 1	Yes	Yes 5-Digit PIN	By Engine Code See Note	**A**-Black Or SD

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

2001-2005 PASSAT (Volkswagen) ADS-115

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HU66T6	VAG IMMO TYPE 2 VPW	Yes	Yes 4-Digit PIN	By Engine Code See Note	**A**-Black Or SD

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

2006-2008 Rabbit (Volkswagen) ADS-146

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Key ordered by VIN after Mid 2006	VAG IMMO CAN 1	Yes	Yes 5-Digit PIN	By Engine Code	**A**-Black Or SD

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

2011-2015 ROUTAN (Volkswagen) ADS-173

OEM / ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM FOBIK or use ILCO POD Key Y170-PT	FOBIK B	Yes	Yes 4-Digit PIN	Possible See Note	**G**-Tan Or SD

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

2010 ROUTAN (Volkswagen) ADS-173

OEM / ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM FOBIK or use ILCO POD Key Y170-PT	FOBIK A or B	Yes	Yes 4-Digit PIN	Possible See Note	**G**-Tan Or SD

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

2009 ROUTAN (Volkswagen) ADS-173

OEM / ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM FOBIK or use ILCO POD Key Y170-PT	FOBIK A	Yes	Yes 4-Digit PIN	Possible See Note	**G**-Tan Or SD

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

2002 - MID 2005 S4 (AUDI) — ADS-146

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HU66T6	VAG IMMO TYPE 2 VPW	Yes	Yes 4-Digit PIN	By Engine Code See Note	A-Black Or SD

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

2004-2006 TOUAREG (VOLKSWAGEN) — ADS-146

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer ordered key required	Select by Vehicle VAG IMMO Type 3	Yes	Yes 5-Digit PIN	By Engine Code See Note	A-Black Or SD

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

MID 2005 TT (AUDI) — ADS-146

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HU66T6	VAG IMMO TYPE 2 VPW	Yes	Yes 4-Digit PIN	By Engine Code	A-Black Or SD

MID 2001-2005 TT (AUDI) — ADS-115

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HU66T6	VAG IMMO TYPE 2 VPW	Yes	Yes 4-Digit PIN	By Engine Code	A-Black Or SD

Beware of component mis-match on AUDI / VW..
If any computer components such as Engine Control Module or Dashboard have been replaced or swapped DEALER EQUIPMENT is required in order to re-match components.
Simply programming the keys will not perform the necessary matching functions!

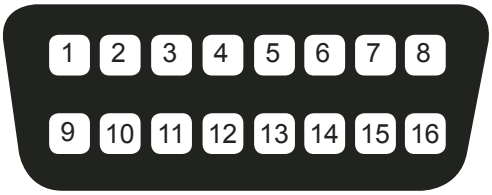
ADC-116
THE “INSURANCE” TOOL

Some cases of internal damage to the Device have been traced to a radio wiring fault on Audi / Volkswagen vehicles.

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

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

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



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



Use the ADC-116 OBD2 Socket Voltage tester.

Available from your A.D. USA Distributor

Find a Sales Representative Near You

Advice on VAG from the Tech Support Desk

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

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

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

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

Add extra power to the car during programming.

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

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

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

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

Audi/VW pin read & Key programming:

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

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

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

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

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

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

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

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

If you have a working key use that to read the pin, the reason being is to avoid dash lock time. If there's no working key then cut a metal key first to read the PIN CODE. Also use the metal key to verify if it's a transponder based vehicle, some Audi/Vw vehicles are transponder optional. Using the KEY LOOK UP GUIDE is essential for success and remember, Nothing in the USA is transponder PRIOR to model year 2000.
There are several models from 1997-2000 that have a Megamos 48 chip in the key but are not transponder equipped so don't rely on the key alone as verification.

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

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

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

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

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

Advice on VAG from the Tech Support Desk- Cont'd

Audi/VW vehicles need power...lots of it!

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

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

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

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

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

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

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

2) read & clear fault codes.

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

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

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

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

If you attempt to use a pincode for key programming that's not valid be sure to turn your tester off and cycle the key off and back on in order to avoid dash lock time. An invalid pincode will give you a message that reads "access denied" on your tester.

Engine Codes

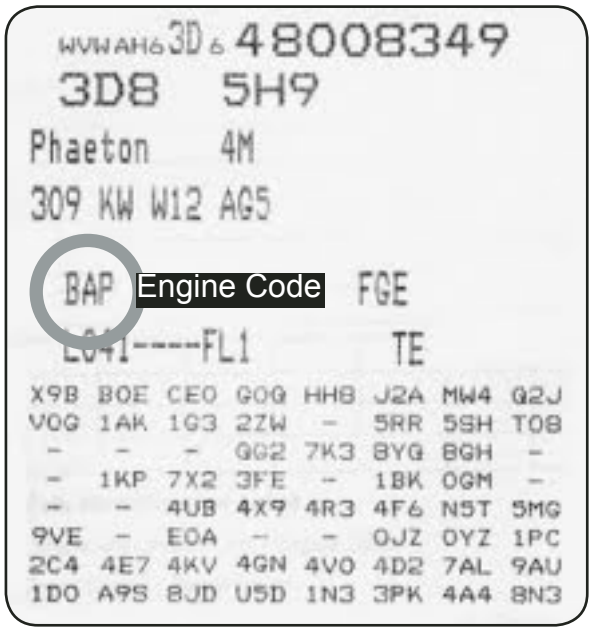
In many cases a good way to identify what system is fitted to Audi & Volkswagen's is to have the Engine Code to the vehicle. Sometimes We list an engine code to use in place of the actual engine code on the car in the Key Look Up guide, use what we suggest whenever possible.

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

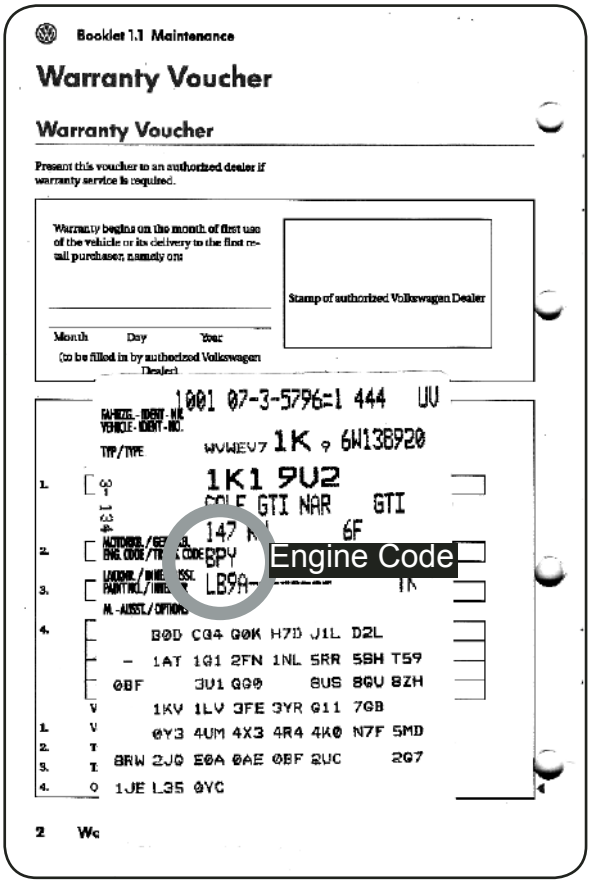
Many engine codes can be found on the next several pages to simplify the process.

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

If you cannot read the PIN code or the engine code is not listed on the Pro tester than you will not be able to program the keys to the vehicle.







Advice on VAG from the Tech Support Desk- Cont'd

Always refer to the Key Look Up guide but here are a few quick vehicle specific system tips:

03-05 1/2 Jetta

Pincode reading procedure for vehicles listed in the quick reference guide below as EMS pin read;
Select Volkswagen (beta software)>Beetle >Engine code BDC>Read EMS.

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

00-01 Jetta

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

00-01 Beetle

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

Program keys under vag Immo Type 2

05 Beetle

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

02-05 1/2 A4

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

02-05 Passat

Pincode reading for gasoline engines use Toureg BAA or Beetle BDC, one should work depending on what engine is installed.
Program keys under vag immo system 2.

PIN Code Reading

VEHICLE SELECTION

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

◀ ▲ ↵ ▼ ▶

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

VEHICLE SELECTION

BEETLE
CADDY
CALIFORNIA
CARAVELLE
GOLF / JETTA
PASSAT

(More models listed)

◀ ▲ ↵ ▼ ▶

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

VEHICLE SELECTION

1H
1J / 1E
3B / 3C

(Example shown)

◀ ▲ ↵ ▼ ▶

VEHICLE SELECTION

IMMOBILIZER
REMOTE
SRS AIRBAG
AUTO GEARBOX
READ PINCODE

Select the Engine Code.

VEHICLE SELECTION

ACK	ANB	
ADP	APR	
ADR	APT	*(More codes listed)*
AEB	APU	
AFB	AQD	
AFN	AQQ	
AFY	AWQ	



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

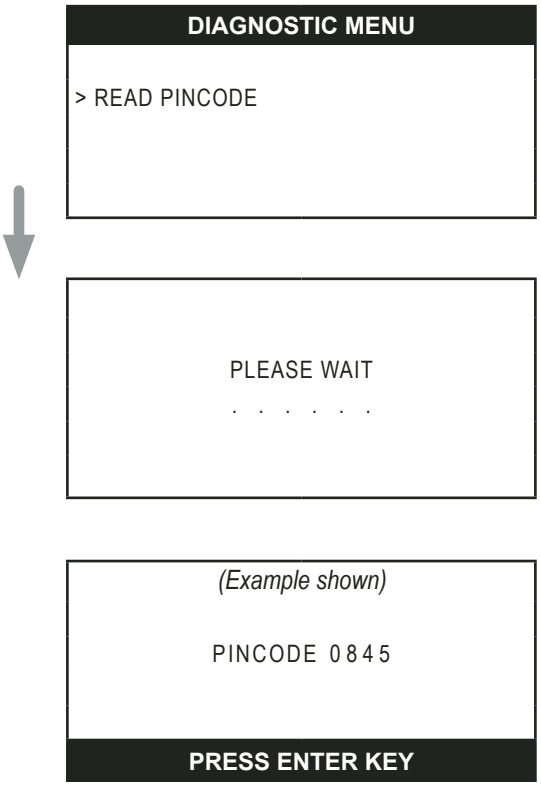
SWITCH IGNITION ON

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
> SPECIAL FUNCTIONS

PIN Code Reading continued...



Do Not program the keys yet.

Disconnect from the car & remove the key.

Start over to program the key.

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VAG IMMO
TYPE 1 VPW
(Used only on Cabrio & Eurovan)





SPECIAL FUNCTIONS

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

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

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-115	ADC-250 / ADC- 251 A (BLACK) DONGLE
MAX # OF KEYS:	**SMART DONGLE?**
8	YES
KEYS:	**SECURITY:**
LOCK TO VEHICLE Must be NEW but can be erased then Re-programmed into same vehicle.	4 DIGIT PIN
	COMPONENTS MATCHED?
	YES
	MATCHING CAPABILITY?
	N/A

SECURITY LIGHT / THEFT INDICATOR:

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

TIPS:

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

MORE INFO:

THERE IS CURRENTLY NO PIN READING FOR CABRIO OR EUROVAN

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

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

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

VPW is just an acronym used to help describe the system.

VAG IMMO
TYPE 2 VPW

VPW is just an acronym used to help describe the system.

HU66-T6





SPECIAL FUNCTIONS

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

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

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-115	ADC-250 / ADC- 251 A (BLACK) DONGLE
MAX # OF KEYS:	**SMART DONGLE?**
8	YES
KEYS:	**SECURITY:**
LOCK TO VEHICLE Must be NEW but can be erased then Re-programmed into same vehicle.	4 DIGIT PIN
	COMPONENTS MATCHED?
	YES
	MATCHING CAPABILITY?
	Some limited ECU matching functions are available on the PRO.

SECURITY LIGHT / THEFT INDICATOR:

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

TIPS:

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

MORE INFO:



WATCH VIDEO - PIN READ & KEY PROGRAMMING ON A 2000 JETTA



WATCH VIDEO - PIN READ ON 2000-2001 BEETLE



WATCH VIDEO - PIN READ ON 2002-2004 BEETLE

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VAG IMMO
TYPE 2 VPW

VEHICLE SELECTION

IMMOBILIZER
REMOTE
SRS AIRBAG
AUTO GEARBOX
READ PINCODE



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

VAG IMMOBILISER

PRESS ENTER KEY

Before programming the keys - Read & Clear any Faults.

DIAGNOSTIC MENU

> FAULT CODES
SPECIAL FUNCTIONS

VAG IMMO
TYPE 2 VPW

DIAGNOSTIC MENU

FAULT CODES
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU

> PROGRAM KEYS
SECURITY INFO
KEYS PROGRAMMED

Enter the PIN CODE.

SECURITY CODE

_ _ _ _

1	2	3	4	5
6	7	8	9	0

SECURITY CODE

4 4 7 7

(This is just an example)

X ✔

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.

PROGRAM KEYS

ACCESS GAINED

PROGRAMMING KEYS

KEYS PROGRAMMED: X
TOTAL KEYS REQD:

1	2	3	4	5
6	7	8	9	0

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

PLEASE PROGRAM
ADDITIONAL KEYS
IF NECESSARY

PRESS ENTER KEY

Programming Procedure for 2 keys or more:

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

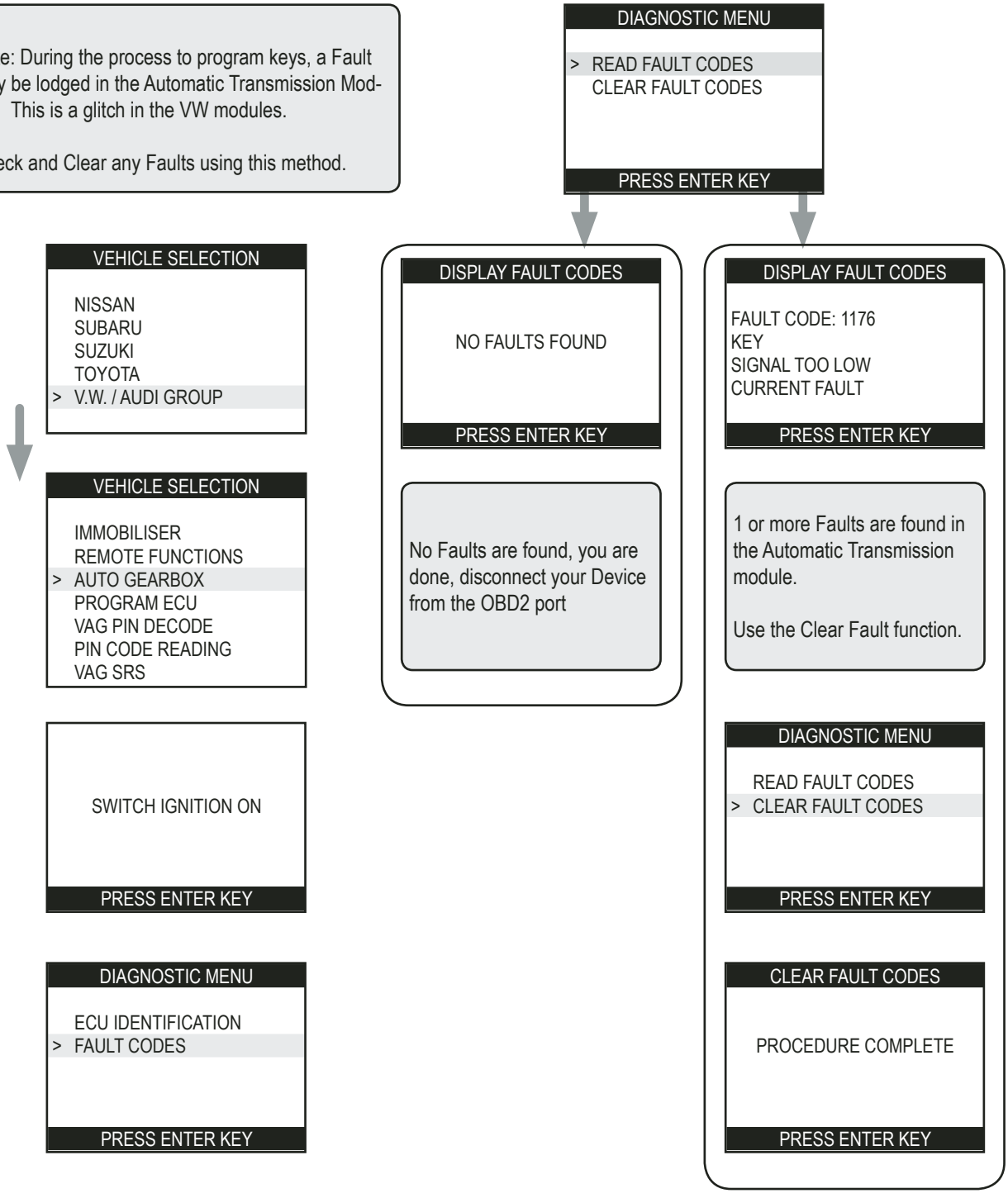
NOTE : All programmed keys will be erased, so any existing keys available will need to be re-programmed.

VAG IMMO
TYPE 2 VPW

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.



VAG IMMO TYPE 3

(Only on 2006-2010 Beetle)

HU66-T24





SPECIAL FUNCTIONS

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

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

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-146	ADC-250 / ADC- 251 A (BLACK) DONGLE
MAX # OF KEYS:	**SMART DONGLE?**
8	YES
KEYS:	**SECURITY:**
LOCK TO VEHICLE Must be NEW but can be erased then Re-programmed into same vehicle.	5 DIGIT PIN - SEE TIPS
	COMPONENTS MATCHED?
	YES
	MATCHING CAPABILITY?
	Some limited ECU matching functions are available on the PRO.

SECURITY LIGHT / THEFT INDICATOR:

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

TIPS:

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

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

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

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

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

2007-2010 will require VIN Pre-Coding.

MORE INFO:

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

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







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

2. Connect the Smart Aerial to the Smart Dongle.

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

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

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

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

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

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

6. Once you have completed the above steps disconnect the ADC-222 and reconnect without it to finish off by programming the transponders you have prepared., and or any other keys

NEW AD TOOLS FOR WORKING WITH VW / AUDI

FORCE IGNITION TOOL ADC-222





Force Ignition Tool

The Force Ignition Tool from Advanced Diagnostics provides auto locksmiths the ability to force the ignition on the Volkswagen® Beetle in North America via the OBD2 socket when a key is unavailable. It can also be used in conjunction with Smart Aerial on the Volkswagen® Beetle to force the ignition on during the pre-coding process.

DIMENSIONS
3.5" L × 2" W × 1" D

WEIGHT
1.7 OZ

FUNCTIONALITIES
- 16 Pin OBD Connector
- ADC250 Connector
- No external power source required
- Compatible with MVPPro and TCode Pro Key Programmers
- Connects to vehicle via OBD Socket
- Ignition on allows for pincode reading (selected vehicles)
- User friendly and easy to use

REQUIREMENTS
Pro Tester
Pro Software - specific to vehicle
ADC250 Cable

Force Ignition Tool

Plug and Play

The Force Ignition Tool is a versatile plug and play tool. Simply plug it into the vehicle's OBD port and then plug your ADC250 master cable and pro tester into the ADC222. ADC222 automatically supplies an ignition feed via the OBD socket without the need for a key. The locksmith can read the pincode with the MVPPro or AD100Pro prior to cutting a key.

Vehicle Applications
VW Beetle 2006 - 2010

SMART AERIAL ADC-242



- Pre-code data onto ID48 and ID46 transponders
- Connect via Smart Dongle
- Programming device and applicable software required
- Automatic Configuration
- Plug and Play

* ADS231, ADS258 Fiat® (ID46), ADS219 VAG® (ID48)
software required

Find a Sales Representative Near You

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

2006 Beetle models use a CAN key.
2007 thru 2010 models use a pre-coded CAN key, ordered by VIN.

The first step is to read the PIN.

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

◀ ▲ ↵ ▼ ▶

VEHICLE SELECTION
BEETLE
CADDY
CALIFORNIA
CARAVELLE
GOLF / JETTA
PASSAT

◀ ▲ ↵ ▼ ▶

VEHICLE SELECTION
1C / 1Y / 9C

◀ ▲ ↵ ▼ ▶

VEHICLE SELECTION
IMMOBILIZER
REMOTE
SRS AIRBAG
AUTO GEARBOX
READ PINCODE

Use Engine Code: **BPR**

VEHICLE SELECTION		
ACK	ANB	
ADP	APR	
ADR	APT	*(More codes listed)*
AEB	APU	
AFB	AQD	
AFN	AQQ	
AFY	AWQ	



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWITCH IGNITION ON
PRESS ENTER KEY

ECU IDENTIFICATION
VIN: 3VWRG12Y34M543234
ID: 07K 906 032AA
TYPE: NB R5 AT
PRESS ENTER KEY

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

DIAGNOSTIC MENU

ECU IDENTIFICATION
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU

> READ PINCODE

READ PINCODE

ACCESS GAINED
SCANNING MEMORY

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

READ PINCODE

PINCODE: 00247

(Disconnect Tester, Now)
(Example shown)

CAN PIN Codes are 5 digits, always.

Do Not program the keys yet.

Disconnect from the car & remove the key.

Start over to program the key.

VEHICLE SELECTION

IMMOBILIZER
REMOTE
SRS AIRBAG
AUTO GEARBOX
READ PINCODE

VEHICLE SELECTION

SYSTEM 1
SYSTEM 2
SYSTEM 3



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

PROGRAM KEYS

START ENABL: YES
NUMBER OF KEYS: 2

DIAGNOSTIC MENU

PROGRAM KEYS
KEY INFORMATION

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

Before we go any further - lets look at the "Key Information" screens.

DECODING BLOCK

AUTHENTICATION OK: YES
LOCKBITS SET: YES
KEY AUTHORISED: YES
IMMOBILISER ADAPTED

PRESS ENTER KEY

The "Authentication Ok" must be YES or the key will never program.

If it reads "NO" - the chip is incorrect or needs Pre+Coding.

DIAGNOSTIC MENU

PROGRAM KEYS
KEY INFORMATION

PROGRAM KEYS

SWITCH IGNITION OFF

PROGRAM KEYS

KEYS NOT AVAILABLE
WILL BE DELETED

DO YOU WANT TO CONTINUE

X ✔

Enter the PIN CODE.

SECURITY CODE

_ _ _ _ _

1	2	3	4	5
6	7	8	9	0

SECURITY CODE

00247
(This is just an example)

X ✔

PROGRAMMING KEYS

TOTAL KEYS REQD:

1	2	3	4	5
6	7	8	9	0

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

PROGRAM KEYS

SWITCH IGNITION ON

PROGRAM KEYS

SWITCH IGNITION OFF
REMOVE KEY

INSERT NEXT KEY
SWITCH IGNITION ON

PRESS ENTER KEY

PROGRAM KEYS

SWITCH IGNITION OFF
REMOVE KEY

PROGRAM KEYS

START ENABL: YES
NUMBER OF KEYS: 2

The keys are programmed - you are all done.

VAG IMMO
CAN 1

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

SPECIAL FUNCTIONS

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

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

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-146	ADC-250 / ADC- 251 A (BLACK) DONGLE
MAX # OF KEYS:	**SMART DONGLE?**
8	YES
KEYS:	**SECURITY:**
LOCK TO VEHICLE Must be NEW but can be erased then Re-programmed into same vehicle.	5 DIGIT PIN
	COMPONENTS MATCHED?
	YES
	MATCHING CAPABILITY?
	Some limited ECU matching functions are available on the PRO.

SECURITY LIGHT / THEFT INDICATOR:

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

TIPS:

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

MORE INFO:

UDS SYSTEM WITH VDO DASH

(Must have at least 1 working key to proceed)

SPECIAL FUNCTIONS

PROGRAM KEYS-

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

You must have ready at least 1 working key and one virgin 48 can chip key to start with.

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

Select Auto Detect or BY SYSTEM UDS VDO DASH.

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-219	ADC-250 / ADC- 251 A (BLACK) DONGLE
MAX # OF KEYS:	**SMART DONGLE?**
8	YES
KEYS:	**SECURITY:**
MUST USE VIRGIN 48 CAN CHIP LOCK TO VEHICLE Must be NEW but can be erased then Re-programmed into same vehicle.	NO PIN REQUIRED
	COMPONENTS MATCHED?
	YES
	MATCHING CAPABILITY?
	NONE AVAILABLE

SECURITY LIGHT / THEFT INDICATOR:

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

TIPS:

MORE INFO:

2010-2012 USA JETTA - VDO DASH

PROGRAM KEYS

A WORKING KEY IS REQUIRED.

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

VEHICLE SELECTION
+ SSANGYONG
+ SAAB
+ SUZUKI
+ SUBARU
+ TOYOTA
+ VOLKSWAGEN

VEHICLE SELECTION
+ AUTO DETECT
+ BY SYSTEM
+ BY VEHICLE

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION
DETECTING VEHICLE MODEL
PLEASE WAIT
****

ECU IDENTIFICATION
VIN:WV WZZZ1KZAW203885
GOLF / SAGITAR (1K)
PROTOCOL: CAN UDS
IS THE CODE CORRECT
✗ ✓

SYSTEM SELECTION
+ IMMOBILISER
+ REMOTE

ECU IDENTIFICATION
VIN:WV WZZZ1KZAW203885
PART:WVWZZZ1KZAW202
ID:5K0 953 236 2
TYPE:IMMO 28
PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
SPECIAL FUNCTIONS

DIAGNOSTIC MENU
PROGRAM KEYS
KEY INFORMATION

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

DIAGNOSTIC MENU
PROGRAM KEYS
KEY INFORMATION

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

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

PROGRAM KEYS
DO YOU WANT TO ERASE KEYS?
✗ ✓

GAINING ACCESS
****

PROGRAM KEYS
SWITCH IGNITION OFF
REMOVE KEY
PRESS ENTER KEY

PROGRAM KEYS
INSERT KEY TO PROGRAM
SWITCH IGNITION ON
PRESS ENTER KEY

2010-2012 JETTA - USA - VDO DASH

Program key continued

PROGRAM REMOTES

THE PROGRAMMED KEY SHOULD BE DISPLAYED IN THE CLUSTER

1-1

WHEN AN ADDITIONAL KEY IS PROGRAMMED THE CLUSTER WILL DISPLAY

2 - 2

PROGRAM KEYS

DO YOU WANT TO PROGRAM MORE KEYS

✘ ✓

PROGRAM KEYS

SWITCH IGNITION OFF

REMOVE KEY

PRESS ENTER KEY

PROGRAM KEYS

INSERT KEY TO PROGRAM

SWITCH IGNITION ON

PRESS ENTER KEY

PROGRAM KEYS

DO YOU WANT TO PROGRAM MORE KEYS

✘ ✓

PROGRAM KEYS

PROCEDURE COMPLETE

PRESS ENTER KEY

SYSTEM SELECTION

+ IMMOBILISER

+ REMOTE

PLEASE WAIT

TRYING TO COMMUNICATE

ECU IDENTIFICATION

ID: 1K5 937 086

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION

SPECIAL FUNCTIONS

DIAGNOSTIC MENU

PROGRAM REMOTES

PROGRAM REMOTES

DO YOU WANT TO ERASE REMOTES

✘ ✓

ERASE REMOTES

PLEASE WAIT

****

PROGRAM REMOTE

PRESS UNLOCK BUTTON

PRESS ENTER KEY

PROGRAM REMOTE

DO YOU WANT TO PROGRAM MORE REMOTES

✘ ✓

PROGRAM REMOTE

PROCEDURE COMPLETE

PRESS ENTER KEY

REPEAT THE PROCEDURE FOR ADDITIONAL REMOTES

CYCLE REMOTES AFTER PROGRAMMING

UDS SYSTEM WITH MAGNETTI MARELLI DASHBOARD

SPECIAL FUNCTIONS

PROGRAM KEYS-

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

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

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

Select Auto Detect or BY SYSTEM UDS MM DASH.

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-219	ADC-250 / ADC- 251 A (BLACK) DONGLE
MAX # OF KEYS:	**SMART DONGLE?**
8	YES
KEYS:	**SECURITY:**
LOCK TO VEHICLE Must be NEW but can be erased then Re-programmed into same vehicle.	NO PIN REQUIRED
	COMPONENTS MATCHED?
	YES
	MATCHING CAPABILITY?
	NONE AVAILABLE

SECURITY LIGHT / THEFT INDICATOR:

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

TIPS:

WATCH VIDEO - 2012 BEETLE KEY PROGRAMMING



MORE INFO:

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

2012 - USA BEETLE - MARELLI DASH

PROGRAM KEYS

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

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

SYSTEM SELECTION
+ IMMOBILISER
+ REMOTE

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

VEHICLE SELECTION
+ SSANGYONG
+ SAAB
+ SUZUKI
+ SUBARU
+ TOYOTA
+ VOLKSWAGEN

ECU IDENTIFICATION
VIN: WV WZZZAAZED016803
PART:WVWZZZAAZED016
ID:ISO 920 960N 1
TYPE:IMMO 68
PRESS ENTER KEY

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

VEHICLE SELECTION
+ AUTO DETECT
+ BY SYSTEM
+ BY VEHICLE

DIAGNOSTIC MENU
ECU IDENTIFICATION
SPECIAL FUNCTIONS

PROGRAM KEYS
DO YOU WANT TO ERASE KEYS?
✗ ✓

SWITCH IGNITION ON
PRESS ENTER KEY

DIAGNOSTIC MENU
PROGRAM KEYS
KEY INFORMATION

PROGRAM KEYS
ACCESS GAINED

ECU IDENTIFICATION
DETECTING VEHICLE MODEL
PLEASE WAIT
****

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

SWITCH IGNITION OFF
REMOVE KEY
PRESS ENTER KEY

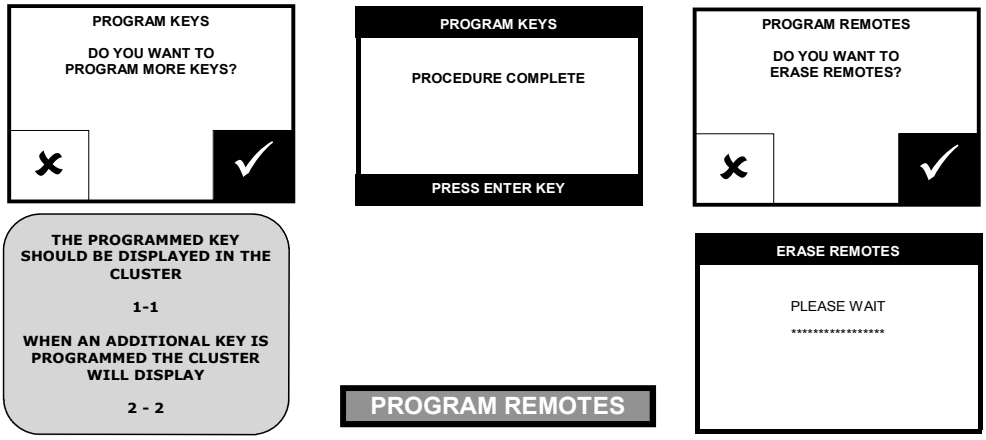
ECU IDENTIFICATION
VIN:WV WZZZAAZED016803
UP! (AA)
PROTOCOL: CAN UDS
IS THE CODE CORRECT
✗ ✓

DIAGNOSTIC MENU
PROGRAM KEYS
KEY INFORMATION

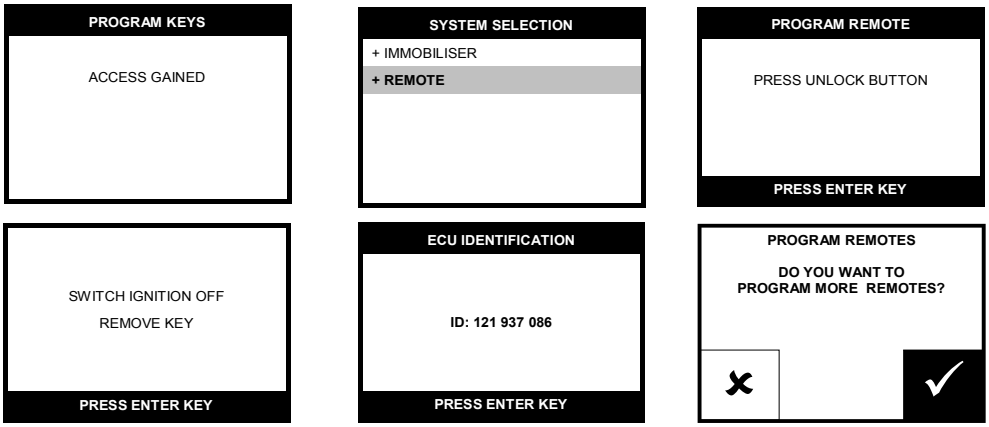
PROGRAM KEYS
INSERT KEY TO PROGRAM
SWITCH IGNITION ON
PRESS ENTER KEY

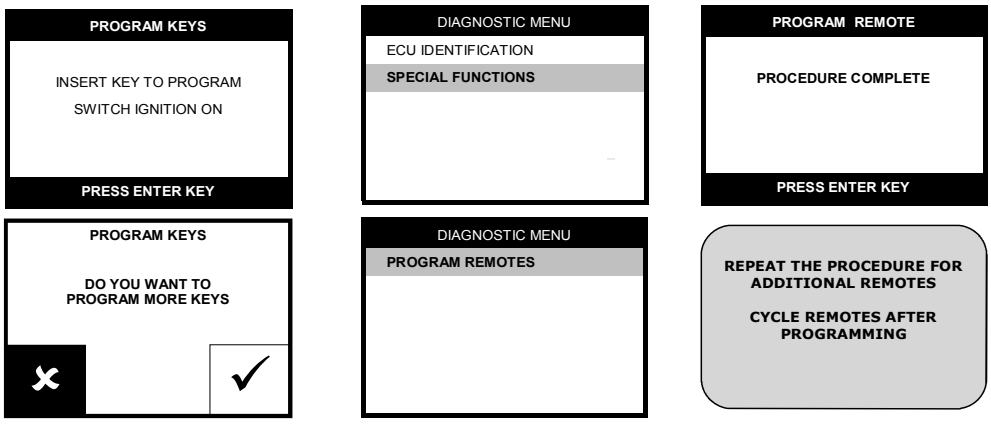
2012 - USA BEETLE - MARELLI DASH

PROGRAM KEYS CONTIN



PROGRAM REMOTES





ADC-219 VAG Instrument Reset Cable



See Info Quest for detailed usage info

CHRYSLER / DODGE / JEEP & PLYMOUTH SECTION





T-CODE SOFTWARE PACKS:

Chrysler Basic & Remotes (ADS-113)

Chrysler Pin Read (ADS-157)

Chrysler Fobik & CAN 2-5

Chrysler 2010 (ADS-173)

Chrysler Proximity 2011 (ADS-178)

Dodge Prox / Fobik (ADS-195)

Jeep Chrysler Fiat 2016 (ADS-234)

Dodge Sprinter USA (ADS-137)

(Software names generally refer to the date of release on the T-CODE not the years of vehicles covered).

Find a Sales Representative Near You

FOR BEST RESULTS WITH SKIM / PIN CODE READING ON ALL APPLICABLE VEHICLES
USE LATEST AVAILABLE BETA

2015-2017 200 With PROXIMITY type ignition (Chrysler) — ADS-234

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM PROX No substitutes at this time	Select by Vehicle	SD Handles Smart Card in background	**5 DIGIT**	YES Included in software	Requires Smart Dongle

MVP will use 1 token to read pin and 1 token to program.

2011-2014 200 (Chrysler) — ADS-156

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Y164-PT	CAN 2	Yes	4 digit	Possible w/ ADS-157 on T-Code or 1 Token on MVP	**G**-Tan Or SD

Note: Vehicle also uses a Remote Head key from the factory.

2011-2015 300 / 300C (Chrysler) — ADS-178

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Fob FCC ID = M3N40821302	PROX GEN 4	Yes	4 digit	**2011-2014=YES** **2015=NO**	**G**-Tan Or SD

2009-2010 300 / 300C (Chrysler) — ADS-173

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM FOBIK or use ILCO POD Key Y170-PT	FOBIK B	Yes	4 digit	with FOBIK Software	**G**-Tan Or SD

2008 300 / 300C (Chrysler) — ADS-156

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM FOBIK or use ILCO POD Key Y170-PT	FOBIK A	Yes	4 digit	with FOBIK Software	**G**-Tan Or SD

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Split Year

MID 2006-2007 300 / 300C (CHRYSLER) — ADS-156

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Y164-PT	CAN 5	Yes	4 digit	Possible w/ ADS-157 on T-Code or 1 Token on MVP	**G**-Tan Or SD

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

2005 TO EARLY 2006 300 / 300C (CHRYSLER) — ADS-156

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Y164-PT	CAN 1	Yes	4 digit	Possible w/ ADS-157 on T-Code or 1 Token on MVP	**G**-Tan Or SD

Note: Overlapping mid-year change for 2006. Vehicle also uses a Remote Head key from the factory.

1999-2004 300M (CHRYSLER) — ADS-113

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Y160-PT	Type 2 VPW	No	4 digit	Possible w/ ADS-157 on T-Code or 1 Token on MVP	**C**-Green Or SD

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

2007-2009 ASPEN (CHRYSLER) — ADS-156

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Y164-PT	CAN 4	Yes	4 digit	Possible w/ ADS-157 on T-Code or 1 Token on MVP	**G**-Tan Or SD

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

2008-2014 AVENGER (DODGE) — ADS-156

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Y164-PT	CAN 2	Yes	4 digit	Possible w/ ADS-157 on T-Code or 1 Token on MVP	**G**-Tan Or SD

Note: Vehicle also uses a Remote Head key from the factory.

1999-2000 BREEZE (PLYMOUTH) — ADS-113

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Y160-PT	Type 1	No	4 digit	NO PIN READ AVAILABLE	**C**-Green Or SD

Note: Need Dealer PIN No Pin Read Transponder system was optional.

2007-2012 CALIBER (DODGE) — ADS-156

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

FOR BEST RESULTS WITH SKIM / PIN CODE READING ON ALL APPLICABLE VEHICLES
USE LATEST AVAILABLE BETA

2011-2016 CARAVAN (DODGE) — ADS-173

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM FOBIK or use ILCO POD Key Y170-PT	FOBIK B	Yes	4 digit	with FOBIK Software	**G**-Tan Or SD

2009-2010 CARAVAN (DODGE) — ADS-173

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM FOBIK or use ILCO POD Key Y170-PT	FOBIK A or B	Yes	4 digit	with FOBIK Software	**G**-Tan Or SD

2008 CARAVAN (DODGE) — ADS-156

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM FOBIK or use ILCO POD Key Y170-PT	FOBIK A	Yes	4 digit	with FOBIK Software	**G**-Tan Or SD

2004-2007 CARAVAN (DODGE) — ADS-113

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Y164-PT	PACIFICA	No	4 digit	NO PIN READ AVAILABLE	**C**-Green Or SD

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

2001-2003 CARAVAN (DODGE) — ADS-113

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Y160-PT	Type 2 VPW	No	4 digit	Possible w/ ADS-157 on T-Code or 1 Token on MVP	**C**-Green Or SD

Note: Transponder system was optional.

2015-2016 CHALLENGER PROXIMITY TYPE IGNITIONS (DODGE) — ADS-178

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Fob FCC ID = M3N40821302	PROX GEN 4	Yes	4 digit	NO PIN READ AVAILABLE	**G**-Tan Or SD

2008-2014 CHALLENGER FOBIK TYPE IGNITIONS (DODGE) — ADS-173

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM FOBIK or use ILCO POD Key Y170-PT	FOBIK B	Yes	4 digit	with FOBIK Software	**G**-Tan Or SD

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

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2009-2014 CHALLENGER PROXIMITY TYPE IGNITIONS (DODGE) — ADS-178

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM FOBIK or use ILCO POD Key Y170-PT	FOBIK B OPTIONAL KEYLESS-GO	Yes	4 digit	with FOBIK Software	**G**-Tan Or SD

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

2011-2016 CHARGER (DODGE) — ADS-178

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Fob FCC ID = M3N40821302	PROX GEN 4	Yes	4 digit	**2011-2014=YES** **2015-2016=NO**	**G**-Tan Or SD

2009-2010 CHARGER (DODGE) — ADS-173

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM FOBIK or use ILCO POD Key Y170-PT	FOBIK B	Yes	4 digit	with FOBIK Software	**G**-Tan Or SD

2008 CHARGER (DODGE) — ADS-156

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM FOBIK or use ILCO POD Key Y170-PT	FOBIK A	Yes	4 digit	with FOBIK Software	**G**-Tan Or SD

Split Year

MID 2006-2007 CHARGER (DODGE) — ADS-156

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Y164-PT	CAN 5	Yes	4 digit	Possible w/ ADS-157 on T-Code or 1 Token on MVP	**G**-Tan Or SD

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

EARLY 2006 CHARGER (DODGE) — ADS-156

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Y164-PT	CAN 1	Yes	4 digit	Possible w/ ADS-157 on T-Code or 1 Token on MVP	**G**-Tan Or SD

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

2014-2017 CHEROKEE WITH FOBIK TYPE IGNITION (JEEP) — ADS-234

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM FOBIK No substitutes at this time	Select by Vehicle	SD Handles Smart Card in background	Yes 5 DIGIT	YES Included in software	Requires Smart Dongle

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

2014-2017 CHEROKEE WITH PROXIMITY TYPE IGNITION (JEEP) — ADS-234

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM PROX No substitutes at this time	Select by Vehicle	SD Handles Smart Card in background	Yes 5 DIGIT	YES Included in software	Requires Smart Dongle

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

1998-2001 CHEROKEE (JEEP) — ADS-113

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Y160-PT	Type 1	No	4 digit	NO PIN READ AVAILABLE	**C**-Green Or SD

1999-2000 CIRRUS (CHRYSLER) — ADS-113

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Y160-PT	Type 1	Yes	4 digit	NO PIN READ AVAILABLE	**C**-Green Or SD

2009-2010 COMMANDER (JEEP) — ADS-173

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM FOBIK or use ILCO POD Key Y170-PT	FOBIK A or B	Yes	4 digit	with FOBIK Software	**G**-Tan Or SD

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

2008 COMMANDER (JEEP) — ADS-156

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM FOBIK or use ILCO POD Key Y170-PT	FOBIK A	Yes	4 digit	with FOBIK Software	**G**-Tan Or SD

2007 COMMANDER (JEEP) — ADS-156

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Y164-PT	CAN 4	Yes	4 digit	Possible w/ ADS-157 on T-Code or 1 Token on MVP	**G**-Tan Or SD

Note: A few models may use the CAN 1 System for this year & a Dealer Remote Head Key.

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2006 COMMANDER (JEEP) — ADS-156

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Y164-PT	CAN 1	Yes	4 digit	Possible w/ ADS-157 on T-Code or 1 Token on MVP	**G**-Tan Or SD

2007-2017 COMPASS (JEEP) — ADS-156

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

1998-2004 CONCORDE (CHRYSLER) — ADS-113

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Y160-PT	Type 2 VPW	Yes	4 digit	('01-'04) ADS-157 Software	**C**-Green Or SD

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

2007-2013 DAKOTA (DODGE) — ADS-156

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Y164-PT	CAN 4 Optional Non-Transponder instructions	Yes	4 digit	Possible w/ ADS-157 on T-Code or 1 Token on MVP	**G**-Tan Or SD

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

2005-2006 DAKOTA (DODGE) — ADS-156

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Y164-PT	CAN 1 Optional Non-transponder instructions	Yes	4 digit	Possible w/ ADS-157 on T-Code or 1 Token on MVP	**G**-Tan Or SD

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

2001-2004 DAKOTA (DODGE) — ADS-113

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Y160-PT	Type 2 VPW	No	4 digit	Possible w/ ADS-157 on T-Code or 1 Token on MVP	**C**-Green Or SD

2013-2016 DART PROXIMITY TYPE IGNITIONS (DODGE) — ADS-195

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Fob required	Select by Vehicle	Yes	4 digit	POSSIBLE W/ SD & ADS-234 on T-Code or 1 Token on MVP	G-Tan Or SD

2013-2016 DART FOBIK TYPE IGNITIONS (DODGE) — ADS-195

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM FOBIK or use ILCO POD Key Y170-PT	Select by Vehicle	Yes	4 digit	POSSIBLE W/ SD & ADS-234 on T-Code or 1 Token on MVP	G-Tan Or SD

2014-2016 DURANGO (DODGE) — ADS-195

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Fob Required	Select by Vehicle	Yes	4 digit	NO PIN READ AVAILABLE	G-Tan Or SD

2011-2013 DURANGO (Dodge) — ADS-178

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Keyless GO FOBIK FCC ID: IYZ-C01C POD Key 5909874	FOBIK B OPTIONAL KEYLESS-GO	Yes	4 digit	with FOBIK Software	G-Tan Or SD

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

2007-2009 DURANGO (Dodge) — ADS-156

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Y164-PT	CAN 4 Optional Non-transponder instructions	Yes	4 digit	Possible w/ ADS-157 on T-Code or 1 Token on MVP	G-Tan Or SD

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

2005- mid 2006 DURANGO (Dodge) — ADS-156

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Y164-PT	CAN 1 Optional Non-Transponder instructions	Yes	4 digit	Possible w/ ADS-157 on T-Code or 1 Token on MVP	G-Tan Or SD

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

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

2004 DURANGO (Dodge) — ADS-156

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM REMOTE KEY ONLY (A non-remote head key can not be used)	CAN 1 Optional Non-Transponder instructions	Yes	4 digit	Possible w/ ADS-157 on T-Code or 1 Token on MVP	G-Tan Or SD

Note: This vehicle requires a Dealer Remote Head Key only for 2004 models. Transponder system is optional

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2001-2003 DURANGO (Dodge) — ADS-113

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Y160-PT	Type 2 VPW	No	4 digit	Possible w/ ADS-157 on T-Code or 1 Token on MVP	**C**-Green Or **SD**

2014-2017 GRAND CHEROKEE (Jeep) — ADS-195

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Fob Required	PROX GEN 4	Yes	4 digit	NO PIN READ AVAILABLE	**G**-Tan Or SD

2011-2013 GRAND CHEROKEE (Jeep) — ADS-178

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Keyless GO FOBIK or ILCO POD Key Y170-PT	FOBIK B OPTIONAL KEYLESS-GO	Yes	4 digit	with FOBIK Software	**G**-Tan Or SD

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

2009-2010 GRAND CHEROKEE (Jeep) — ADS-173

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM FOBIK or use ILCO POD Key Y170-PT	FOBIK A or B	Yes	4 digit	with FOBIK Software	**G**-Tan Or SD

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

2008 GRAND CHEROKEE (Jeep) — ADS-156

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM FOBIK or use ILCO POD Key Y170-PT	FOBIK A	Yes	4 digit	with FOBIK Software	**G**-Tan Or SD

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

2007 GRAND CHEROKEE (Jeep) — ADS-156

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Y164-PT	CAN 4	Yes	4 digit	Possible w/ ADS-157 on T-Code or 1 Token on MVP	**G**-Tan Or SD

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

2005-2006 GRAND CHEROKEE (Jeep) — ADS-156

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Y164-PT	CAN 1	Yes	4 digit	Possible w/ ADS-157 on T-Code or 1 Token on MVP	**G**-Tan Or SD

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

1999-2004 GRAND CHEROKEE (JEEP) — ADS-113

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Y160-PT	Type 2 VPW	No	4 digit	('01-'04) ADS-157 Software	**C**-Green Or SD

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

1998-2004 INTREPID (DODGE) — ADS-113

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Y160-PT	Type 2 VPW	No	4 digit	('01-'04) ADS-157 Software	**C**-Green Or SD

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

2011-2017 JOURNEY (DODGE) — ADS-178

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Fob FCC ID = M3N40821302	PROX GEN 4	Yes	4 digit	Yes	**G**-Tan Or SD

2009-2010 JOURNEY (DODGE) — ADS-173

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM FOBIK or use ILCO POD Key Y170-PT	FOBIK B	Yes	4 digit	with FOBIK Software	**G**-Tan Or SD

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

1999-2001 LHS (CHRYSLER) — ADS-113

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

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

2008-2013 LIBERTY (JEEP) — ADS-156

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

2005-2007 LIBERTY (JEEP) — ADS-113

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Y164-PT	PACIFICA	No	4 digit	NO PIN READ AVAILABLE	**C**-Green Or SD

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

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2002-2004 LIBERTY (JEEP) — ADS-113

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Y160-PT	Type 2 VPW	No	4 digit	Possible w/ ADS-157 on T-Code or 1 Token on MVP	**C**-Green Or SD

Note: Transponder system was optional.

2008 MAGNUM (DODGE) — ADS-156

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM FOBIK or use ILCO POD Key Y170-PT	FOBIK B	Yes	4 digit	with FOBIK Software	**G**-Tan Or SD

Split Year

MID 2006-2007 MAGNUM (DODGE) — ADS-156

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Y164-PT	CAN 5	Yes	4 digit	Possible w/ ADS-157 on T-Code or 1 Token on MVP	**G**-Tan Or SD

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

2005 TO EARLY 2006 MAGNUM (DODGE) — ADS-156

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Y164-PT	CAN 1	Yes	4 digit	Possible w/ ADS-157 on T-Code or 1 Token on MVP	**G**-Tan Or SD

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

2000-2005 NEON (DODGE) — ADS-113

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Y160-PT	Type 2 VPW	No	4 digit	('01-'05) ADS-157 Software	**C**-Green Or SD

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

2007-2012 NITRO (DODGE) — ADS-156

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

2004-2008 PACIFICA (CHRYSLER) — ADS-113

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Y164-PT	PACIFICA	No	4 digit	NO PIN READ AVAILABLE	**C**-Green Or SD

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

2007-2017 PATRIOT (JEEP) — ADS-156

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

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

2015-2016 PROMASTER CITY (DODGE) WITH KEYED TYPE IGNITION — ADS-258

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Use a SIP22 shell w/ Virgin 46 chip. Software can READ and Pre-Code the data to transponder using Smart Aerial ADC-242 or RW4 w/ ADC-243 Cable	Select by Vehicle	Built in	YES (5-Digit)	YES - Software Reads Pin Code	**REQUIRES SD**

READ PIN / PRECODE TRANSPONDER W/ SMART AERIAL

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

2015-2016 PROMASTER FULL SIZE WITH KEYED TYPE IGNITION — ADS-231

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Use a SIP22 shell w/ Virgin 46 chip. Software can READ and Pre-Code the data to transponder using Smart Aerial ADC-242 or RW4 w/ ADC-243 Cable	Select by Vehicle	Built in	YES (5-Digit)	YES - Software Reads Pin Code	**REQUIRES SD**

READ PIN / PRECODE TRANSPONDER W/ SMART AERIAL

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

2006-2010 PT CRUISER (CHRYSLER) — ADS-156

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Y164-PT	CAN 2	Yes	4 digit	Possible w/ ADS-157 on T-Code or 1 Token on MVP	**G**-Tan Or SD

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

2001-2005 PT CRUISER (CHRYSLER) — ADS-113

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Y160-PT	Type 2 VPW	No	4 digit	Possible w/ ADS-157 on T-Code or 1 Token on MVP	**C**-Green Or SD

Note: Transponder system was optional.

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2013-2017 RAM PICK UP PROXIMITY type ignitions (Dodge) — ADS-195

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Fob required	Select by Vehicle	Yes	4 digit	POSSIBLE W/ SD & ADS-234 on T-Code or 1 Token on MVP	**G**-Tan Or SD

2013-2017 RAM PICK UP FOBIK type ignitions (Dodge) — ADS-195

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM FOBIK or use ILCO POD Key Y170-PT	Select by Vehicle	Yes	4 digit	POSSIBLE W/ SD & ADS-234 on T-Code or 1 Token on MVP	**G**-Tan Or SD

2009-2012 RAM 1500 PICK UP (Dodge) FOBIK with Power Windows & Locks — ADS-173

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM FOBIK or use ILCO POD Key Y170-PT	FOBIK B	Yes	4 digit	with FOBIK Software	**G**-Tan Or SD

2009-2011 RAM 1500 PICK UP (Dodge) No Power Locks or Windows — ADS-156

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
POD Key Y170-PT	CAN 2	Yes	4 digit	Possible w/ ADS-157 on T-Code or 1 Token on MVP	**G**-Tan Or SD

Note: We have a seen a few of these models with Fobik B type systems.

2006-2008 RAM 1500 PICK UP (Dodge) — ADS-156

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Y164-PT	CAN 2	Yes	4 digit	Possible w/ ADS-157 on T-Code or 1 Token on MVP	**G**-Tan Or SD

Note: We have a seen a few of these models with Fobik B type systems.

2002-2005 RAM 1500 PICK UP (Dodge) — ADS-113

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Y160-PT	Type 2 VPW	No	4 digit	Possible w/ ADS-157 on T-Code or 1 Token on MVP	**C**-Green Or SD

Note: Transponder system was optional.

2011-2012 RAM 2500/3500 PICK UP (Dodge) — ADS-173

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM FOBIK or use ILCO POD Key Y170-PT	FOBIK B	Yes	4 digit	Yes	**G**-Tan Or SD

2009-2010 RAM 2500/3500 PICK UP (Dodge) — ADS-156

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Y164-PT	CAN 2	Yes	4 digit	Possible w/ ADS-157 on T-Code or 1 Token on MVP	**G**-Tan Or SD

2016 RENEGADE With PROXIMITY type ignition (Jeep) — ADS-234

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM PROX A Jeep or Fiat Prox fob will work. Only the logo is different.	Select by Vehicle	SD Handles Smart Card in background	**Yes** **5 DIGIT**	YES Included in software	Requires Smart Dongle

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

2001-2006 SEBRING 2 DR HardTop (Chrysler) — ADS-113

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Y165PT	Sebring 2Dr Htp	Yes	No	Not Needed	**G**-Tan Or SD

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

2007-2010 SEBRING 4-DR HardTop (Chrysler) — ADS-156

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Y164-PT	CAN 2	Yes	4 digit	Possible w/ ADS-157 on T-Code or 1 Token on MVP	**G**-Tan Or SD

2001-2006 SEBRING 4-DR HardTop (Chrysler) — ADS-113

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Y160-PT	Type 2 VPW	Yes	4 digit	Possible w/ ADS-157 on T-Code or 1 Token on MVP	**C**-Green Or SD

Note: Transponder system was optional.

2007-2010 SEBRING Convertible (Chrysler) — ADS-156

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Y164-PT	CAN 2	Yes	4 digit	Possible w/ ADS-157 on T-Code or 1 Token on MVP	**G**-Tan Or SD

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

2001-2006 SEBRING Convertible (Chrysler) — ADS-113

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Y160-PT	Type 2 VPW	No	4 digit	Possible w/ ADS-157 on T-Code or 1 Token on MVP	**C**-Green Or SD

Note: Transponder system was optional.

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1998-2000 SEBRING CONVERTIBLE (CHRYSLER) — ADS-113

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Y160-PT	Type 1	No	4 digit	NO PIN READ AVAILABLE	**C**-Green Or SD

Note: Need Dealer PIN — No Pin Read — Transponder system was optional.

2003-2006 SPRINTER (DODGE) — ADS-137

DEALER	SYSTEM	SMART Card	PIN Required	PRO Dongle
Dealer Key Required	Select by Vehicle	Yes	A code conversion is required from the dealer while you are plugged into the vehicle, to program keys.	**D** Blue

2001-2005 STRATUS 2 DR HARDTOP (DODGE) — ADS-113

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Y165PT	Sebring 2Dr Htp	Yes	No	Not Needed	**G**-Tan Or SD

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

2001-2006 STRATUS 4-DR HARDTOP (DODGE) — ADS-113

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Y160-PT	Type 2 VPW	No	4 digit	Possible w/ ADS-157 on T-Code or 1 Token on MVP	**C**-Green Or SD

Note: Transponder system was optional.

1999-2000 STRATUS 4-DR HARDTOP (DODGE) — ADS-113

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Y160-PT	Type 1	No	4 digit	NO PIN READ AVAILABLE	**C**-Green Or SD

Note: Need Dealer PIN — No Pin Read — Transponder system was optional.

2011-2016 TOWN & COUNTRY LIMITED WITH OPTIONAL PROXIMITY — ADS-178

OEM	ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM FOBIK or use ILCO POD Key Y170-PT		FOBIK B OPTIONAL KEYLESS-GO	Yes	4 digit	Yes	**G**-Tan Or SD

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

2011-2016 TOWN & COUNTRY (CHRYSLER) — ADS-173

OEM	ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM FOBIK or use ILCO POD Key Y170-PT		FOBIK B	Yes	4 digit	Yes	**G**-Tan Or SD

2009-2010 TOWN & COUNTRY (Chrysler) ADS-173

OEM	ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM FOBIK or use ILCO POD Key Y170-PT		FOBIK A or B	Yes	4 digit	Yes	**G**-Tan Or SD

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

2008 TOWN & COUNTRY (Chrysler) ADS-156

OEM	ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM FOBIK or use ILCO POD Key Y170-PT		FOBIK A	Yes	4 digit	Yes	**G**-Tan Or SD

2004-2007 TOWN & COUNTRY (Chrysler) ADS-113

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Y164-PT	PACIFICA	No	4 digit	NO PIN READ AVAILABLE	**C**-Green Or SD

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

2001-2003 TOWN & COUNTRY (Chrysler) ADS-113

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Y160-PT	Type 2 VPW	No	4 digit	Possible w/ ADS-157 on T-Code or 1 Token on MVP	**C**-Green Or SD

Note: Transponder system was optional.

2001-2003 VOYAGER (Chrysler) ADS-113

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Y160-PT	Type 2 VPW	No	4 digit	Possible w/ ADS-157 on T-Code or 1 Token on MVP	**C**-Green Or SD

Note: Transponder system was optional.

2007-2017 WRANGLER (Jeep) ADS-156

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

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

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2001-2006 WRANGLER (JEEP)				ADS-113	
ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Y160-PT	Type 2 VPW	No	4 digit	Possible w/ ADS-157 on T-Code or 1 Token on MVP	**C**-Green Or SD
Note: Transponder system was optional.					

1998-2000 WRANGLER (JEEP)				ADS-113	
ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Y160-PT	Type 1	No	4 digit	NO PIN READ AVAILABLE	**C**-Green Or SD
Note: Need Dealer PIN	No Pin Read	Transponder system was optional.			

FOR BEST RESULTS WITH SKIM / PIN CODE READING ON ALL APPLICABLE VEHICLES
USE LATEST AVAILABLE BETA

TYPE 1 (CCD) IMMOBILIZER
(SELECTED BY SYSTEM)



SPECIAL FUNCTIONS

ERASE - (optional)

Erases all keys from memory

ADD KEY - Programs keys in one at a time.

Make sure to place the key you want to

program in the ignition.

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-160	ADC-250 / ADC- 251 C (GREEN) DONGLE
MAX # OF KEYS:	**SMART DONGLE?**
8	YES
KEYS:	**SECURITY:**
LOCK TO VEHICLE Must be NEW but can be erased then re-programmed into same vehicle.	4 DIGIT PIN
	COMPONENTS MATCHED?
	YES, SKIM & PCM ARE MATCHED
	MATCHING CAPABILITY?
	TYPE 1 SKIM MODULES CAN BE MATCHED USING T-CODE / MVP. They must be virgin (Brand New). Once matched NEW keys will be needed. Any old keys cannot be re-used with the new SKIM.

SECURITY LIGHT / THEFT INDICATOR:

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

TIPS:

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

MORE INFO:

CCD stands for Chrysler Collision Detection and is just an acronym used to describe the system.

TYPE 1 (CCD) IMMOBILIZER

- Erase Keys - Use this method to ERASE keys.

START HERE:

Select:
+CHRYSLER
+BY SYSTEM
+IMMOBILIZER

Then select the system.

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU

> CLEAR KEYS
PROGRAM KEYS
SKIM PROGRAMMING

VEHICLE SELECTION

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

SECURITY CODE

_ _ _ _



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SECURITY CODE

8 2 9 7

IS CODE CORRECT
OK=ENTER CLEAR=BACK

Note:

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

Programming keys is outlined on the next page.

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

SWITCH IGNITION ON

PRESS ENTER KEY

CLEAR KEYS

PROCEDURE COMPLETE

PRESS ENTER KEY

ECU IDENTIFICATION

CHRYSLER 94-98

PRESS ENTER KEY

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TYPE 1 (CCD) IMMOBILIZER

- Program Keys - Use this method to PROGRAM keys.

START HERE:

Select:
+CHRYSLER
+BY SYSTEM
+IMMOBILIZER

Then select the system.

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

PROGRAMMING KEYS

KEY PROGRAMMED

ENTER - PROG. MORE KEYS
BACK - EXIT ROUTINE

DIAGNOSTIC MENU

CLEAR KEYS
> PROGRAM KEYS
SKIM PROGRAMMING

VEHICLE SELECTION

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

PROGRAMMING KEYS

SWITCH IGNITION ON
WITH NEW KEY

PRESS ENTER KEY



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SECURITY CODE

_ _ _ _

SWITCH IGNITION ON

PRESS ENTER KEY

SECURITY CODE

8 2 9 7

IS CODE CORRECT
OK=ENTER CLEAR=BACK

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

ECU IDENTIFICATION

CHRYSLER 94-98

PRESS ENTER KEY

TYPE 2 (VPW) IMMOBILIZER
(SELECTED BY SYSTEM)



SPECIAL FUNCTIONS

ERASE - (optional)

Erases all keys from memory

ADD KEY - Programs keys in one at a time.

Make sure to place the key you want to

program in the ignition.

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-160	ADC-250 / ADC- 251 C (GREEN) DONGLE
MAX # OF KEYS:	**SMART DONGLE?**
8	YES
KEYS:	**SECURITY:**
LOCK TO VEHICLE Must be NEW but can be erased then re-programmed into same vehicle.	4 DIGIT PIN *MUST OBTAIN PIN CODE - DEALER ETC. *2001 & UP TYPE 2 PIN CODES CAN BE READ USING THE T-CODE / MVP *NO PIN READ AVAILABLE FOR 98-00 MODELS.
	COMPONENTS MATCHED?
	YES, SKIM & PCM ARE MATCHED
	MATCHING CAPABILITY?
	YES, TYPE 2 SKIM MODULES CAN BE MATCHED USING T-CODE / MVP. They must be virgin (Brand New). Once matched NEW keys will be needed. Any old keys cannot be re-used with the new SKIM

SECURITY LIGHT / THEFT INDICATOR:

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

TIPS:

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

MORE INFO:

VPW stands for variable pulse width and is just an acronym to help describe the system.



WATCH VIDEO - PIN READING ON CHRYSLER TYPE 2

TYPE 2 (VPW) IMMOBILIZER

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

START HERE:

Select:
+CHRYSLER
+BY SYSTEM
+IMMOBILIZER

Then select the system.

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



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWITCH IGNITION ON
PRESS ENTER KEY

ECU IDENTIFICATION
CHRYSLER 98-03
PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU
> CLEAR KEYS
PROGRAM KEYS
SKIM PROGRAMMING

SECURITY CODE
_ _ _ _

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

CLEAR KEYS
PROCEDURE COMPLETE
PRESS ENTER KEY

Note:

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

Programming keys is outlined on the next page.

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

TYPE 2 (VPW) IMMOBILIZER

Use this method to: PROGRAM keys.

START HERE:

Select:
+CHRYSLER
+BY SYSTEM
+IMMOBILIZER

Then select the system.

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



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWITCH IGNITION ON
PRESS ENTER KEY

ECU IDENTIFICATION
CHRYSLER 98-03
PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU
CLEAR KEYS
> PROGRAM KEYS
SKIM PROGRAMMING

PROGRAMMING KEYS
SWITCH IGNITION ON WITH NEW KEY
PRESS ENTER KEY

SECURITY CODE
_ _ _ _

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

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

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

TYPE 2 (VPW) IMMOBILIZER

Use this method to: READ PIN CODE (POSSIBLE ONLY ON 2001 AND UP TYPE 2 IMMO)

READ PINCODE

PLEASE HAVE ALL
UNPROGRAMMED KEYS
CUT
PROCEED?

YES=ENTER NO=BACK

READ PINCODE

VEHICLE ID
SUPPORTED

READ PINCODE

REMOVE KEY FROM IGN
IGNITION ON
WITH A BRASS KEY

PRESS ENTER KEY

Remove the non-transponder key (brass key) from the ignition and wait a couple of seconds and then insert it again turn it all the way on to the "Run" position. Then press "Enter"

READ PINCODE

PLEASE WAIT
. . . . .

(This could take a minute or more)

READ PINCODE

IGNITION ON
WITH AN
UNPROGRAMMED
KEY

PRESS ENTER KEY

Remove the (brass key) from the ignition and wait a couple of seconds and then insert a unprogrammed transponder key (Y160-PT or 692325) turn it all the way on to the "Run" position.

Then press "Enter"

READ PINCODE

PLEASE WAIT
. . . . .

(This could take a minute or more)

READ PINCODE

NO BRASS KEY DETECT

PRESS ENTER KEY

If you get the above error message - check the following:

1) Make sure you have a non-transponder key in the ignition.

2) Make sure the key is turned all the way on to the "Run" position.

If you have checked above and still have this message, just try it again from the beginning.

SKIM CODE READ

SKIM CODE 0620

(This is an example)

PRESS ENTER KEY

Chrysler SKIM Functions for Type 1 & 2

The SKIM (Sentry Key Immobilizer Module) is located in the antenna ring. The antenna ring is what surrounds the ignition lock and makes the data exchange between the transponder chip in the key and the SKIM.

On some occasions, it may be necessary to replace the SKIM because of damage to the SKIM and the ignition lock due to a theft attempt. There are some cases of SKIM failure, resulting in replacement of the module.

SKIM MODULE



'Type 1 or 2' - SKIM Replaced Feature

START HERE:

Select:
+CHRYSLER
+BY SYSTEM
+IMMOBILIZER

VEHICLE SELECTION

> IMMOBILISER
REMOTE

VEHICLE SELECTION

SEBRING 2DR HTP
TYPE 1
TYPE 2
PACIFICA
CHRYSLER CAN

Select the Type you are working on. Either Type 1 or Type 2.

Only Type1 & 2 Skims are supported.

SWITCH IGNITION ON

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> SKIM PROGRAMMING

SKIM PROGRAMMING

TO PROGRAM SKIM
ENTER VEHICLE
SECURITY CODE,
REGION AND VIN.

PRESS ENTER KEY

SECURITY CODE

PLEASE SELECT CODE
ENTRY METHOD

1. UP DOWN ARROWS
2. PHONE STYLE KEYPAD

Select #1 for the Up & Down arrow keys.

Chrysler SKIM Functions for Type 1 & 2 Contn'd

SECURITY CODE

0 _ _ _

If you do not know the PIN Code to the car - you can make your own. Only when you replace the SKIM can you do this.

SKIM PROGRAMMING

PLEASE WAIT

SECURITY CODE

1 2 3 4

IS CODE CORRECT
OK=ENTER CLEAR=BACK

To enter the V.I.N. use the Up & Down arrow buttons.

As you press either the 'Up' or 'Down' buttons you will see that the digit in that position changes to the next digit.

Once you have the correct letter or number, press the 'Enter' button to move the cursor to the next position.

SKIM PROGRAMMING

PROCEDURE COMPLETE

PRESS ENTER KEY

MARKET OPTIONS

> uS
NON US

Now you will need to program the keys. In most cases the keys will also have to be replaced with new ones.

V I N

PLEASE SELECT CODE ENTRY METHOD

1. UP DOWN ARROWS
2. PHONE STYLE KEYPAD

V I N

3C3EL55H9XT594291

IS CODE CORRECT
OK=ENTER CLEAR=BACK

NOTE:
A Blinking SKIM indicator light in the instrument cluster means that the key is not programmed in the vehicle. This could mean a bad key or a key that was already programmed into another vehicle already and must be replaced.

A Solid SKIM indicator light in the instrument cluster means that there is a problem with the SKIM and it might need replacing. There could also be a problem with the BCM or the PCM.

Select #1 for the Up & Down arrow keys. This way you will be able to enter the Letters & Numbers of the V.I.N.

Make sure you have entered the VIN to the vehicle you are working on CORRECTLY or the SKIM will be ruined and it will need to be replaced with a new one.

V I N

0 _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _

SKIM PROGRAMMING

SECURITY CODE : 4698
MARKET OPTIONS : uS
V I N
3C3EL55H9XT594291
ARE YOU SURE
YES=ENTER NO=BACK

‘Type 2’ - Change PIN

Use this method to: Change the Pin Code

START HERE:

Select:
+CHRYSLER
+BY SYSTEM
+SKIM (PIN) READ
+VPW



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

SKIM READ VPW

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU

> PIN FUNCTIONS
VIN NUMBER
MATCHING FUNCTIONS
ANTI THEFT LOCKOUT
VIRGINIZE SKIM

PIN FUNCTIONS

READ PINCODE
> CHANGE PIN CODE

SECURITY CODE

_ _ _ _

You must know the existing PIN to the vehicle.

NEW PIN

_ _ _ _

Enter your new PIN.

CHANGE PIN

SUCCESS

PRESS ENTER KEY

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Sebring & Stratus
2-Door Hardtop
(SELECTED BY VEHICLE)



SPECIAL FUNCTIONS

CLEAR & INTRODUCE-

Each time programming is run all key memory is erased.

Only keys used in the programming sequence are programmed into memory.

Keys can be re-introduced later if left out.

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-160	ADC-250 / ADC- 251 C (GREEN) DONGLE
MAX # OF KEYS:	**SMART DONGLE?**
8	YES
KEYS:	**SECURITY:**
LOCK TO VEHICLE Must be NEW but can be erased then re-programmed into same vehicle.	NO PIN CODE
	COMPONENTS MATCHED?
	IMMO & PCM ARE MATCHED
	MATCHING CAPABILITY?
	NONE DEALER EQUIPMENT NEEDED TO MATCH COMPONENTS IF CHANGED

SECURITY LIGHT / THEFT INDICATOR:

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

TIPS:

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

MORE INFO:

Sebring & Stratus 2-Door Hardtop

Use this method to: PROGRAM KEYS

VEHICLE SELECTION

ACURA
CADILLAC
> CHRYSLER
DODGE
FORD USA

VEHICLE SELECTION

> IMMOBILISER
REMOTE

VEHICLE SELECTION

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



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWITCH IGNITION ON

PRESS ENTER KEY

NOTE :
No PIN needed on this car.

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

NOTE : To Program Keys select that menu choice.

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

DIAGNOSTIC MENU

PROGRAMMED KEYS
> PROGRAM KEYS

NOTE : All current keys will be erased.

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

PROGRAM KEYS

. . . . . .

PROGRAM KEYS

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

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

PROGRAM KEYS

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

PROGRAM KEYS

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

Sebring & Stratus 2-Door Hardtop

- 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. 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 Device from the OBD2 port.

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

PACIFICA
IMMOBILIZER SYSTEM
(SELECTED BY SYSTEM)



SPECIAL FUNCTIONS

ERASE KEYS- (optional)

Erases all keys from memory

PROGRAM KEYS - Programs keys in one at a time.

Make sure to place the key you want to program in the ignition.

>>>>>COMMS WILL ALMOST ALWAYS FAIL ON THE FIRST CONNECTION ATTEMPT<<<<<<<<

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-160	ADC-250 / ADC- 251 C (GREEN) DONGLE
MAX # OF KEYS:	**SMART DONGLE?**
8	YES
KEYS:	**SECURITY:**
Keys lock to the vehicle and cannot be re-used on another vehicle. Keys can be erased then re-programmed into same vehicle.	4 DIGIT PIN *MUST OBTAIN PIN CODE - DEALER ETC. NO PIN READ
	COMPONENTS MATCHED?
	YES , SKIM & PCM ARE MATCHED
	MATCHING CAPABILITY?
	NONE DEALER EQUIPMENT NEEDED TO MATCH COMPONENTS IF CHANGED

SECURITY LIGHT / THEFT INDICATOR:

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

TIPS:

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

MORE INFO:

When programming RKE keys the buttons program in along with the transponder. There is no separate procedure.
If RKE buttons do not program but transponder does there is a problem either with the key (Possibly wrong part used) or with the system (fuse blown etc).

WATCH VIDEO- 2007 DODGE CARAVAN ON PACIFICA SYSTEM



PACIFICA
IMMOBILIZER SYSTEM

Use this method to Erase Keys - (Optional)

START HERE:

Select:
+CHRYSLER
+BY SYSTEM
+IMMOBILIZER
+PACIFICA




REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

PACIFICA / CARAVAN

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU

> CLEAR KEYS
PROGRAM KEYS

SECURITY CODE

_ _ _ _

SECURITY CODE

8 2 9 7

IS CODE CORRECT
OK=ENTER CLEAR=BACK

This is just an example, each vehicle is different. You need to get the PIN Code from the Dealer or NASTF.

CLEAR KEYS

PROCEDURE COMPLETE

PRESS ENTER KEY

Note: ONLY USE ERASE KEYS IF YOU WANT TO.

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

Programming keys is outlined on the next page.

PACIFICA
IMMOBILIZER SYSTEM

Use this method to Program Keys

START HERE:

Select:
+CHRYSLER
+BY SYSTEM
+IMMOBILIZER
+PACIFICA



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWITCH IGNITION ON

PRESS ENTER KEY

MAKE SURE THE KEY YOU WANT TO PROGRAM IS THE ONE IN THE IGNITION

ECU IDENTIFICATION

PACIFICA / CARAVAN

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU

CLEAR KEYS
> PROGRAM KEYS

PROGRAMMING KEYS

SWITCH IGNITION ON
WITH NEW KEY

PRESS ENTER KEY

SECURITY CODE

_ _ _ _

SECURITY CODE

8 2 9 7

IS CODE CORRECT
OK=ENTER CLEAR=BACK

This is just an example, each vehicle is different.
You need to get the PIN Code from the Dealer or NASTF.

PROGRAMMING KEYS

KEY PROGRAMMED

ENTER - PROG. MORE KEYS
BACK - EXIT ROUTINE

IF PROGRAMMING MORE KEYS, STAY CONNECTED. SWITCH TO THE NEW KEY EACH TIME, MAKING SURE THAT THE KEY YOU WANT TO PROGRAM IS THE ONE IN THE IGNTION.

PACIFICA
IMMOBILIZER SYSTEM

Use this method for 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 an ID and a short description of the problem.
- Transponder keys and parts that make up the transponder system have fault codes associated with them.
- If everything is working fine there should be no fault codes.

START HERE:

Select:
+CHRYSLER
+BY SYSTEM
+IMMOBILIZER
+PACIFICA

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

PACIFICA / CARAVAN

PRESS ENTER KEY

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. 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

CAN 1 thru CAN 5 & FOBIK IMMOBILIZER (SELECTED BY SYSTEM)

Fobik Key



Remote Head Key



SPECIAL FUNCTIONS

PROGRAM KEYS- This function PROGRAMS keys one at a time. Perform this function for each key you want ot program making sure that the key you want to program is inserted into the ignition and switched to the ON position first. Keys can be re-introduced later if left out.

ERASE KEYS- This function ERASES all currently programmed keys from the vehicle.

KEYS PROGRAMMED- Displays the number of keys currently programmed.

REMOTE- This is programming or erasing remotes.
Most CAN keys the remote head programs in automatically as part of the IMMOBILIZER programming.
(Note Some CAN keys on 04> Durango and Dakota use this if the vehicle is NOT transponder equipped.
See if the car starts with a just a brass/metal key.

SKIM READING- SKIM is an acronym for the module that hold the immobilizer data. (Sentry Key immobilizer Module)

SKIM READING is a very useful function that actually reads the cars PIN CODE directly from the cars SKIM.

(See our KEY LOOK UP GUIDE to see if we list a particular make and model as “possible” or not.)

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-156 CAN 1-5 & FOBIK A ADS-173 FOBIK B	ADC-250 / ADC- 251 G (GREY) DONGLE USE BETA
MAX # OF KEYS:	**SMART DONGLE?**
8	YES
KEYS:	**SECURITY:**
TRANSPONDERS LOCK TO VEHICLE Keys must be NEW & VIRGIN but they can be erased & re-programmed back into same vehicle.	4 DIGIT PIN *MUST OBTAIN PIN CODE - DEALER ETC. PIN READ IS AVAILABLE ON MOST BUT NOT ALL, CHECK THE KEY LOOK UP GUIDE.
	COMPONENTS MATCHED?
	YES, SKIM & PCM ARE MATCHED
	MATCHING CAPABILITY?
	NONE DEALER EQUIPMENT NEEDED TO MATCH COMPONENTS IF CHANGED

SECURITY LIGHT / THEFT INDICATOR:

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

TIPS:

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

WATCH VIDEO-

READ PIN & PROGRAM A REMOTE HEAD KEY ON A 2008 DODGE DURANGO USING MVP PRO



MORE INFO:

If programming RKE keys the buttons program in along with the transponder.

EXCEPTION - DURANGO / DAKOTA / RAIDER NON-TRANSPONDER EQUIPPED VEHICLES - USE PROGRAM REMOTES.
See if the car starts and runs with a non-transponder key, if so use “PROGRAM REMOTES”.

CAN stands for Controller Area Network and is just an acronym to describe the system. It does NOT stand for CANADA

CAN 1 thru CAN 5
& FOBIK IMMOBILIZER

Use this method to ERASE KEYS (OPTIONAL)

START HERE:

Select:
+CHRYSLER
+BY SYSTEM
+IMMOBILIZER

NEXT: SELECT THE SYSTEM WE LIST IN THE KEY LOOK UP GUIDE.



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWITCH IGNITION ON
PRESS ENTER KEY

ECU IDENTIFICATION
VIN: 3A8FY58B66T278492
Part No : 05026218AP
S/W Ver. : 32. 05. 01
COUNTRY CODE: 2 - USA
PRESS ENTER KEY

DIAGNOSTIC MENU
> ECU IDENTIFICATION
> SPECIAL FUNCTIONS

ECU IDENTIFICATION
VIN: 1D3HV18P79S803764
Part No.: 05026364AK
PRESS ENTER KEY

WHEN ERASING KEYS IT DOES NOT MATTER WHAT KEY IS IN THE IGNITION.

DIAGNOSTIC MENU
PROGRAM KEYS
> ERASE KEYS
KEYS PROGRAMMED

SECURITY CODE				
_ _ _ _				
1	**2**	**3**	**4**	**5**
6	**7**	**8**	**9**	**0**

SECURITY CODE	
4 4 7 7 (this is just an example)	
X	✔

ERASE KEYS
PLEASE WAIT . . . . .

KEYS PROGRAMMED
KEYS PROGRAMMED: 0
PRESS ENTER KEY

STAY CONNECTED AND USE PROGRAM KEYS TO ADD KEYS BACK.

CAN 1 thru CAN 5
& FOBIK IMMOBILIZER

Use this method to PROGRAM KEYS

START HERE:

Select:
+CHRYSLER
+BY SYSTEM
+IMMOBILIZER

NEXT: SELECT THE SYSTEM WE LIST IN THE KEY LOOK UP GUIDE.



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWITCH IGNITION ON
Follow the screens carefully, some later FOBIK
systems instruct to leave the ignition OFF
PRESS ENTER KEY

ECU IDENTIFICATION
VIN: 3A8FY58B66T278492
Part No : 05026218AP
S/W Ver. : 32. 05. 01
COUNTRY CODE: 2 - USA
PRESS ENTER KEY

DIAGNOSTIC MENU
> ECU IDENTIFICATION
> SPECIAL FUNCTIONS

ECU IDENTIFICATION
VIN: 1D3HV18P79S803764
Part No.: 05026364AK
PRESS ENTER KEY

MAKE SURE THE KEY YOU WANT TO PROGRAM IS IN THE IGNITION

DIAGNOSTIC MENU
> PROGRAM KEYS
ERASE KEYS
KEYS PROGRAMMED

SECURITY CODE				
_ _ _ _				
1	**2**	**3**	**4**	**5**
6	**7**	**8**	**9**	**0**

SECURITY CODE	
4 4 7 7	
(this is just an example)	
X	✔

PROGRAM KEYS
PLEASE WAIT
. . . . .

KEYS PROGRAMMED
KEYS PROGRAMMED: 1
PRESS ENTER KEY

IF YOU WANT TO PORGRAM MORE KEYS STAY CONNECTED AND REPEAT THIS PROCEDURE FOR EACH KEY.

CAN 1 thru CAN 5
& FOBIK IMMOBILIZER

Use this method to READ HOW MANY KEYS ARE PROGRAMMED

START HERE:

Select:
+CHRYSLER
+BY SYSTEM
+IMMOBILIZER

NEXT: SELECT THE SYSTEM WE LIST IN THE KEY LOOK UP GUIDE.

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

VIN: 3A8FY58B66T278492
Part No : 05026218AP
S/W Ver. : 32. 05. 01
COUNTRY CODE: 2 - USA

PRESS ENTER KEY

DIAGNOSTIC MENU

> ECU IDENTIFICATION
> SPECIAL FUNCTIONS

ECU IDENTIFICATION

VIN: 1D3HV18P79S803764

Part No.: 05026364AK

PRESS ENTER KEY

ITS A GOOD IDEA TO ALWAYS LOOK AT THIS INFO FIRST BEFORE DOING ANY PROGRAMMING

DIAGNOSTIC MENU

PROGRAM KEYS
ERASE KEYS
> KEYS PROGRAMMED

KEYS PROGRAMMED

PLEASE WAIT
. . . . . .

KEYS PROGRAMMED

KEYS PROGRAMMED: 1

PRESS ENTER KEY

CAN 1 thru CAN 5
& FOBIK IMMOBILIZER

Use this method to READ PIN CODE

START HERE:

Select:
+CHRYSLER
+SKIM (PIN) READ
+BY SYSTEM or BY VEHICLE

NEXT: SELECT THE SYSTEM WE LIST IN THE KEY LOOK UP GUIDE.
Use what we suggest.



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWITCH IGNITION ON
PRESS ENTER KEY

ECU IDENTIFICATION
VIN: 3A8FY58B66T278492
Part No : 05026218AP
S/W Ver. : 32. 05. 01
COUNTRY CODE: 2 - USA
PRESS ENTER KEY

DIAGNOSTIC MENU
> ECU IDENTIFICATION
> SPECIAL FUNCTIONS

ECU IDENTIFICATION
VIN: 1D3HV18P79S803764
Part No.: 05026364AK
PRESS ENTER KEY

DIAGNOSTIC MENU
> READ PINCODE
VIN NUMBER

READ PINCODE- This function should READ the Pin Code from the vehicle.
(If possible)

VIN NUMBER- This function is for editing the VIN number that is stored in the vehicle.
WARNING: This is for expert users and should only be attempted if parts have been changed.

READ PINCODE
PART NO . : 05026218AP
PINCODE : 7070 (EXAMPLE ONLY!
SWITCH IGNITION OFF
PRESS ENTER KEY

SUCCESS! Here we see the PIN CODE has been read and displayed.

Switch the Ignition OFF and then back off before
going to IMMOBILIZER.

CAN 1 thru CAN 5
& FOBIK IMMOBILIZER

TROUBLESHOOTING

WATCH VIDEO-
TIMEOUT FAILED ON CHRYSLER



Check that a VIRGIN key is being used!

Possible causes:

A) Key in ignition is already programmed

B) Key in ignition is N/G
(locked chip , no chip, wrong chip?)

C) serious problem with immobilizer.
(for example: The antenna ring is malfunctioning)

Checking FAULT CODES may help identify problem

PROGRAM KEYS
PLEASE WAIT
. . . . .

TIMOUT
FAILED
PRESS ENTER KEY

POSSIBLE PINCODE-

If the Pro is unable to auto-identify the SKIM part number and PIN CODE you will get a message like this.

Please try the pin codes displayed and report the results to us.

Send a pic of the screen and include the VIN # and actual pin if possible to john@adusa.us

We will use this info to improve the Skim Reading Software

POSSIBLE PINCODE
PART NO. : 56040463AW
PIN # 1 :0X000BA 0000
PIN #2 :0X01002C 3232
PIN # : 30X001212 0000
PIN - NOT FOUND
PLEASE CHECK PIN CODE DISPLAYED
REPORT TO AD
PRESS ENTER KEY

NON-TRANSPONDER BASED CAN 1 & CAN 4 VEHICLES (SELECTED BY SYSTEM)

Remote Head Key



SPECIAL FUNCTIONS:

PROGRAM KEYS- This function PROGRAMS keys one at a time. Perform this function for each key you want ot program making sure that the key you want to program is inserted into the ignition and switched to the ON position first. Keys can be re-introduced later if left out.

ERASE KEYS- On Non-Transponder vehicles this function ERASES all currently programmed REMOTES from the vehicle.

KEYS PROGRAMMED- On Non-Transponder vehicles this displays = the number of REMOTES currently programmed.

REMOTE- This is programming or erasing remotes.
Most CAN keys the remote head programs in automatically as part of the IMMOBILIZER programming.

SKIM READING- SKIM is an acronym for the module that hold the immobilizer data. (Sentry Key immobilizer Module)

SKIM READING is a very useful function that actually reads the cars PIN CODE directly from the cars SKIM.

(See the KEY GUIDE SECTION to see if we list a particular make and model as “possible” or not.)

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-156 CAN 1-5	ADC-250 / ADC- 251 G (GREY) DONGLE USE BETA
MAX # OF KEYS:	**SMART DONGLE?**
8	YES
KEYS:	**SECURITY:**
RKE KEYS FOR THESE ARE RE-USABLE (Because only the RKE part is being utilized.	4 DIGIT PIN *MUST OBTAIN PIN CODE - DEALER ETC. PIN READ IS AVAILABLE ON MOST BUT NOT ALL, CHECK THE KEY LOOK UP GUIDE.
	COMPONENTS MATCHED?
	YES
	MATCHING CAPABILITY?
	NONE DEALER EQUIPMENT NEEDED TO MATCH COMPONENTS IF CHANGED

SECURITY LIGHT / THEFT INDICATOR:

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

TIPS:

Verify vehicle is non-transponder based (starts and runs with a metal key) before using these instructions

WATCH VIDEO - PROGRAMMING RKE KEY 2005 NON-TRANSPONDER DODGE DURANGO



MORE INFO:

These special instructions are only for certain CAN vehicles that have a SKIM but do not require a transponder to start the vehicle. Once you have verified by cutting a METAL key that the car starts and runs, USE THESE INSTRUCTIONS. Even though they do not require a transponder they still have a PIN number.

Unlike most other REMOTE systems, these use TOKENS to program if using MVP PRO.

CAN stands for Controller Area Network and is just an acronym to describe the system. It does NOT stand for CANADA

CAN Non-Transponder

Use this method to* PROGRAM REMOTE HEAD *KEYS
(NON-TRANSPONDER VEHICLES ONLY)

Once you have verified by cutting a METAL key that the car starts and runs, USE THESE INSTRUCTIONS.

2004-2006	DURANGO	CAN 1
2007-2009	DURANGO	CAN 4
2005-2011	DAKOTA / RAIDER	CAN 1
2012-2013	DAKOTA / RAIDER	CAN 4

ON THE ABOVE LISTED MODELS:
Try using a non-transponder key to start the vehicle.
If the engine starts and runs then you have a non-transponder equipped model.
These use a REMOTE HEAD KEY. The same part is used as on the transponder model.
The RKE buttons are programmed using this method.
PIN CODE IS REQUIRED.

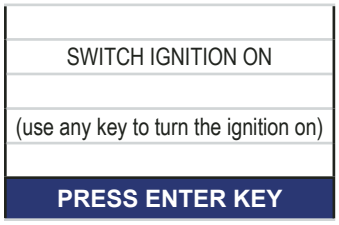
START HERE:

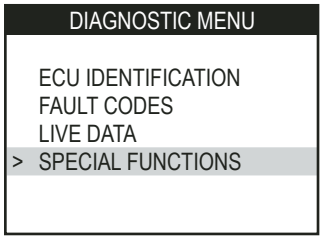
Select:
+CHRYSLER
+BY SYSTEM
+IMMOBILIZER

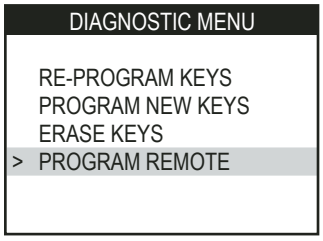
NEXT: SELECT THE SYSTEM WE LIST ABOVE. IE CAN 1 or CAN 4

1) Sit in driver's seat.
2) Make sure all doors are closed.
3) Put seat belt on.
4) Make sure there is nobody else in the front seats.
Once you enter remote programming a chime will be heard. the screen will display the number of KEYS programmed , in this case KEYS = REMOTES.

TO ERASE REMOTES (if required) use ERASE KEYS function.











Press the Lock & Unlock buttons together for 1 second & then quickly press the Unlock button for 1 second.
Remember you have limited time to perform this function.

KEYS PROGRAMMED=# of REMOTES.
Press the Enter button when done.

FOBIK IMMOBILIZER WITH OPTIONAL KEYLESS GO SYSTEM



REMOVABLE START STOP BUTTON SNAPS IN PLACE



WATCH VIDEO - 2013 TOWN & COUNTRY WITH KEYLESS GO



FOBIK IGNTION BEHIND THE REMOVABLE BUTTON

Chrysler / Dodge “Keyless GO” proximity systems was first introduced on the 2009 Dodge Challenger as optional upgrades. Then expanded on to the 2011-13 Dodge Durango & Jeep Grand Cherokee.

These vehicle have a removable “Push to Start” button. The button (shown above left) snaps into place and is easily removed to expose a Fobik ignition switch hidden behind it.
(Shown above right)

When the proximity Fobik remote is recognized inside the vehicle - the driver can press on the brake pedal and press the “Start” button to start and stop the engine.

Fobik KEYLESS GO proximity remote’s are programmed just like other Fobik remote’s by inserting them into the Fobik ignition switch and programming them using the same procedures used on other FOBIK systems.

On the Keyless Go system anytime any programming procedures are performed on the FOBIK keys there is a matching function called “MATCH KEYLESS GO” on the menu that must be performed as a last step after programming all keys.

This function enables the PUSH TO START button to work.

Without performing this function the FOBIK keys will only function by inserting the keys in the ignition with the button removed. The matching is always performed last and after any keys are added or deleted. Once this function is completed the Fobik keys will operate as PROXIMITY keys. allowing the vehicle to start with the “Start” push button installed.

FOBIK IMMOBILIZER WITH OPTIONAL KEYLESS GO SYSTEM

Use this method as a final step on "Keyless GO" Systems
Perform this as a last step after programming the FOBIK the same way as any other FOBIK system.
This final step is needed to make the KEYLESS GO function work.

First program all the keys you want to program in the FOBIK Ignition so that they work as regular FOBIK keys .
Once this is completed use the Back button twice to bring you back to the main Chrysler menu.

Now perform the steps shown below.

This final step is necessary to activate the Keyless GO proximity and match the Keyless Go system.

Select:
+CHRYSLER
+BY SYSTEM
+PROXIMITY
FOBIK KEYLESS 'N' GO



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWITCH IGNITION ON
PRESS ENTER KEY

Use any programmed FOBIK key here

DIAGNOSTIC MENU
ECU IDENTIFICATION
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU
> MATCH KEYLESS GO

SECURITY CODE
_ _ _ _

1	**2**	**3**	**4**	**5**
6	**7**	**8**	**9**	**0**

SECURITY CODE	
4 4 7 7 (this is just an example)	
X	✔

MATCH KEYLESS GO
PROCEDURE COMPLETE
PRESS ENTER KEY

If the wrong PIN code is entered you will place the vehicle in lock out mode.

To Exit lock out mode -You must turn the key on for 1 hour +5 min and leave it that way.
Make sure the battery does not run down - or you will have to start over.

Then use the
"PEM LOCKOUT RESET"
under the Keyless GO menu.
Then
Re-Try >Match Keyless Go and make sure to enter the correct PIN.



DODGE
DART & RAM PIN READING



Use this method to READ THE PIN CODE on 2013+ DART / RAM



Requires Smart Dongle and ADS234 Software on T-Code
Smart Dongle and 1 token on MVP
Released on V12.96 or higher make sure unit is updated before attempting.

START HERE:

Select:

+DODGE
+ NORTH AMERICA
+BY VEHICLE
+RAM OR DART (Pick the one you are on)
+2013
+SKIM READING

HAZARDS ON / IGNITION OFF
PRESS ENTER KEY

ECU IDENTIFICATION
VIN: 3C6TRDT3EG30135B
Part No : 68213675AF
HARDWARE No. : OD. 12. .01.
SOFTWARE No: OE . 03. 01.
PRESS ENTER KEY

DIAGNOSTIC MENU
> ECU IDENTIFICATION
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU
> READ PINCODE

READ PINCODE
PINCODE : 7070 EXAMPLE ONLY!
SWITCH IGNITION OFF
PRESS ENTER KEY

SUCCESS! Here we see the PIN CODE has been read and displayed.

Switch the Ignition OFF and then back off before going to IMMOBILIZER.



DODGE
DART & RAM PIN READING



TROUBLESHOOTING

If the PRO is unable to READ the PIN CODE this may be an indication of a deeper vehicle releated issue.

POSSIBLE PINCODE-

If the Pro is unable to auto-identify the SKIM part number and PIN CODE you will get a message like this.

While the software is extremely powerful and should be successful on covered/listed vehicles in some rare instances YOU MAY BE HAVE TO RESORT TO GETTING THE PIN FROM THE DEALER OR NASTF.

Please report any Pin Reading issues:
If at all possible please send a pic of the screen and include the VIN # and actual pin to john@adusa.us

We will use this info to improve the Skim Reading Software

TAKE SCREEN PHOTO
PART NO. : 56046809AG
07 00 00 0A 0A 05 00 00
00 05 00 00 00 60 20 30 00
55 22 66 79 00 00 00 00 00
86 75 30 90 00 00 00 00 00
PRESS ENTER KEY

CHRYSLER PROX RFH SYSTEMS

(GEN4 RFH SELECTED BY SYSTEM, LATER MODELS SELECTED BY VEHICLE)

RFH stands for Radio Frequency Hub and is just an acronym to help describe the system.





SPECIAL FUNCTIONS

PROGRAM PROX- This function PROGRAMS keys one at a time. Perform this function for each key you want ot program making sure that the key you want to program is inserted into the ignition and switched to the ON position first.Keys can be re-introduced later if left out.

ERASE PROX- This function ERASES all currently programmed keys from the vehicle.

PROX PROGRAMMED- Displays the number of keys currently programmed.

SKIM READING- SKIM is an acronym for the module that hold the immobilizer data. (Sentry Key immobilizer Module)

SKIM READING is a very useful function that actually reads the cars PIN CODE directly from the cars SKIM.

(See our KEY LOOK UP GUIDE to see if we list a particular make and model as “possible” or not.)

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-178	ADC-250 / ADC- 251 G (GREY) DONGLE USE BETA
MAX # OF KEYS:	**SMART DONGLE?**
8	YES
KEYS:	**SECURITY:**
GEN4 RFH PROX KEYS are re-usable. However, later model PROX keys NOT on the RFH GEN4 system most are NOT re-usable.	4 DIGIT PIN *MUST OBTAIN PIN CODE - DEALER ETC. PIN READ IS AVAILABLE ON MOST BUT NOT ALL, CHECK THE KEY GUIDE.
	COMPONENTS MATCHED?
	YES, RFH & PCM ARE MATCHED
	MATCHING CAPABILITY?
	NONE DEALER EQUIPMENT NEEDED TO MATCH COMPONENTS IF CHANGED

SECURITY LIGHT / THEFT INDICATOR:

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

TIPS:

Make sure you have the correct prox. There are many different part numbers and only some are interchangable.

Make sure the prox key has a good battery inside it.

WATCH “HOW TO” VIDEOS

2014 DODGE CHARGER READ PIN AND PROGRAM PROX KEY



2016 DODGE CHARGER PROGRAM PROX KEY



MORE INFO:

The “Sweet Spot” for programming is usually over the center console near the gear shift. Hold the Prox over this area when programming. However if you are having trouble it may help to hold it closer to the Start Stop Button.

CHRYSLER PROX
RFH SYSTEMS

Use this method to READ THE PIN CODE on "GEN 4 RFH"

START HERE:

Select:

+CHRYSLER
+BY SYSTEM
+SKIM (PIN) READ
2011 GEN 4 (RFH)



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

HAZARDS ON / IGNITION OFF

PRESS ENTER KEY

Turn on the Emergency Flashers.

ECU IDENTIFICATION

VIN: 1D3HV18P79S803764
Part No.: 05026364AK
S/W Ver.: 10.30.02
COUNTRY CODE: 2-USA

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
> SPECIAL FUNCTIONS

PRESS ENTER KEY

READ PIN CODE: Reads the cars PIN CODE.

RESET ECU: Clears the time lockout if the wrong pin has been entered 3 times.

DIAGNOSTIC MENU

READ PIN CODE
RESET ECU

PRESS ENTER KEY

READ PINCODE

PINCODE: 1234
(Just an example)

PRESS ENTER KEY

CHRYSLER PROX
RFH SYSTEMS

Use this method to ERASE PROX on "GEN 4 RFH"

START HERE:

Select:

+CHRYSLER
+BY SYSTEM
+PROXIMITY
2011 GEN 4 (RFH)
OR
SELECT BY VEHICLE -
SEE KEY LOOK UP GUIDE.



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

HAZARDS ON / IGNITION OFF

PRESS ENTER KEY

Turn on the Emergency Flashers.

ECU IDENTIFICATION

VIN: 1D3HV18P79S803764
Part No.: 05026364AK

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODE
> SPECIAL FUNCTIONS

PRESS ENTER KEY

DIAGNOSTIC MENU

PROGRAM PROX
> ERASE PROX
PROX PROGRAMMED

ERASE PROX

ARE YOU SURE

X ✔

SECURITY CODE

_ _ _ _

1	2	3	4	5
6	7	8	9	0

SECURITY CODE

4 4 7 7
(This is just an example)

X ✔

ERASE PROX

PROX PROGRAMMED: 0

(All Prox have been erased -
Now go to "Program Prox")

PRESS ENTER KEY

Now go back to the main menu
ADD PROX on next page

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CHRYSLER PROX
RFH SYSTEMS

Use this method to ADD PROX on RFH Systems

START HERE:

Select:

+CHRYSLER
+BY SYSTEM
+PROXIMITY
2011 GEN 4 (RFH)
OR
SELECT BY VEHICLE -
SEE KEY LOOK UP GUIDE.



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

HAZARDS ON / IGNITION OFF

PRESS ENTER KEY

Turn on the Emergency Flashers.

ECU IDENTIFICATION

VIN: 1D3HV18P79S803764
Part No.: 05026364AK

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODE
> SPECIAL FUNCTIONS

PRESS ENTER KEY

DIAGNOSTIC MENU

> PROGRAM PROX
ERASE PROX
PROX PROGRAMMED

You will be required to enter the PIN Code. The PIN Code can usually be read from the car on Gen4 RFH system but later RFH systems cannot be read at this time. Check the KEY LOOK UP GUIDE.

SECURITY CODE

_ _ _ _

1	2	3	4	5
6	7	8	9	0

SECURITY CODE

4 4 7 7
(This is just an example)

X ✔

PROGRAM PROX

MAKE SURE ALL
WIRELESS DEVICES
FOR EXAMPLE
LAPTOP CELL PHONES
ARE NOT CLOSE
TO THE PROX
BEING PROGRAMMED

PRESS ENTER KEY

CHRYSLER PROX
RFH SYSTEMS

Use this method to ADD PROX on RFH Systems ***Continued . . .***

WARNING
FOLLOW NEXT SCREENS CAREFULLY
COMPLETE OPERATION WITHIN 60 Sec. AFTER PRESSING ENTER

PROGRAM PROX
PROX PROGRAMMED: 3
(Now program any additional Fobik's)
PRESS ENTER KEY

PROGRAM PROX
HOLD PROX NEAR CENTER CONSOLE
PRESS AND RELEASE THE UNLOCK BUTTON TWICE ON THE PROX REMOTE

The screen says press the button twice but we've found it's best to press it repeatedly while holding it up near the center console, until it programs.

NOTE: The "Sweet Spot" for programming is over the center console near the gear shift lever.

Test all prox keys for proper operation.

TROUBLESHOOTING

TIMEOUT FAILED-

Possible causes:

A) PROX is already programmed

B) PROX is N/G
(locked PROX? , bad battery?, wrong PROX part #?)

C) Serious problem with immobilizer.
(for example: The antenna ring is malfunctioning)

Check FAULT CODES.

TIMOUT
FAILED
PRESS ENTER KEY

2015-2016 CHRYSLER 200
(SELECTED BY VEHICLE)
PROX





SPECIAL FUNCTIONS

SKIM READING- READ PIN CODE
READS THE 5 DIGIT PIN CODE FROM THE VEHICLE. THIS MUST BE DONE 1ST TO GET THE CARS PIN CODE.



PROGRAM KEY- This function PROGRAMS PROX keys one at a time without erasing any preciously programmed prox.

ERASE KEY- This function ERASES all currently programmed PROX keys from the vehicle.

KEYS PROGRAMMED- Displays the number of PROX KEYS currently programmed.

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-234	ADC-250 / ADC- 251 REQUIRES SMART DONGLE
MAX # OF KEYS:	**SMART DONGLE?**
8	YES
PROX KEYS:	**SECURITY:**
KEYS LOCK TO THE VEHICLE Keys must be NEW & VIRGIN but they can be erased & re-programmed back into same vehicle.	5 DIGIT PIN MUST BE READ DIRECTLY FROM THE CAR. NASTF AND DEALER CANNOT SUPPLY THE 5 DIGIT PIN.
	COMPONENTS MATCHED?
	YES, RFH, BCM & PCM ARE MATCHED
	MATCHING CAPABILITY?
	NONE DEALER EQUIPMENT NEEDED TO MATCH COMPONENTS IF CHANGED
SECURITY LIGHT / THEFT INDICATOR:	
Light should be out at end of procedure. If theft light blinks or comes on steady the key/keys have not been accepted.	

TIPS:

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

WATCH VIDEO-

MORE INFO:

If programming OEM FOBIK keys or OEM PROX FOBS the buttons program in along with the transponder. There is no separate procedure.



2015-2016 CHRYSLER 200
(SELECTED BY VEHICLE)
PROX



Use this method to READ PIN CODE

START HERE:
Select:

+CHRYSLER
+N. AMERICA
+BY VEHICLE
+SKIM READING
+200
+2015>
+PROX



USE OF THIS SOFTWARE REQUIRES SMART DONGLE

SKIM READING
HAZARDS ON / IGNITION OFF
PRESS ENTER KEY

ECU IDENTIFICATION
VIN: 1C3CCCABXFN123456
PART NO: 68155691AH
KEYS PROGRAMMED: 02
PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
> SPECIAL FUNCTIONS
PRESS ENTER KEY

DIAGNOSTIC MENU
> READ PINCODE
PRESS ENTER KEY

SKIM READING
PINCODE: 12345
PRESS ENTER KEY

SEED-KEY ERROR

If you get this message make sure you are selecting the correct vehicle.

SKIM READING
SWITCH PRO OFF
PRESS ENTER KEY

AFTER READING THE PIN THE PRO MUST BE SWITCHED OFF BEFORE YOU CAN CONTINUE

PIN CODE IS 5 DIGITS

WRITE DOWN THE PINCODE. ONCE YOU HAVE IT, IT NEVER CHANGES.

PIN CODE MUST BE READ AS SHOWN.

THE 5 DIGIT PIN CANNOT BE OBTAINED FROM NASTF OR THE DEALER.

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2015-2016 CHRYSLER 200
(SELECTED BY VEHICLE)
PROX



Use this method to PROGRAM PROX KEY/S

MAKE SURE YOU HAVE READ THE 5 DIGIT PIN CODE- (See Previous Page)

NEXT GO HERE:
Select:

+CHRYSLER
+N. AMERICA
+BY VEHICLE
+IMMOBILIZER
+200
+2015>
+PROX



USE OF THIS SOFTWARE REQUIRES SMART DONGLE

DIAGNOSTIC MENU
HAZARDS ON / IGNITION OFF
PRESS ENTER KEY

ECU IDENTIFICATION
VIN: 1C4PJLDB0EW154141
PART NO: 681555631AF
KEYS PROGRAMMED: 02
PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
> SPECIAL FUNCTIONS
PRESS ENTER KEY

DIAGNOSTIC MENU
>PROGRAM KEY
ERASE KEYS
PRESS ENTER KEY

SECURITY CODE

_ _ _ _ _

1	2	3	4	5
6	7	8	9	0

SECURITY CODE

12345
(This is just an example)

X ✔

PROGRAM KEYS
PRESS & RELEASE UNLOCK BUTTON ON FOB TO BE PROGRAMMED WITHIN 10 SEC.
. . . . .



REPEATEDLY PRESS THE UNLOCK BUTTON ON THE PROX FOB HOLDING THE FOB NEAR THE CENTER CONSOLE.....

DIAGNOSTIC MENU
KEYS PROGRAMMED: 03
PRESS ENTER KEY

DO YOU WANT TO
PROGRAM MORE KEYS?

X ✔

PROGRAM EACH KEY THIS SAME WAY UNTIL YOU ARE DONE



2015-2016 CHRYSLER 200 (SELECTED BY VEHICLE) PROX



Use this method to ERASE ALL PROX -

ERASE IS OPTIONAL - DO NOT ERASE UNLESS YOU WANT TO ERASE ALL KEYS

GO HERE:
Select:

+CHRYSLER
+N. AMERICA
+BY VEHICLE
+IMMOBILIZER
+200
+2015>
+PROX



USE OF THIS SOFTWARE REQUIRES SMART DONGLE

DIAGNOSTIC MENU
HAZARDS ON / IGNITION OFF
PRESS ENTER KEY

ECU IDENTIFICATION
VIN: 1C4PJLDB0EW154141
PART NO: 681555631AF
KEYS PROGRAMMED: 02
PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
> SPECIAL FUNCTIONS
PRESS ENTER KEY

DIAGNOSTIC MENU
PROGRAM KEY
>ERASE KEYS
PRESS ENTER KEY

ERASE KEYS

ARE YOU SURE?

X ✔

SECURITY CODE

_ _ _ _ _

1	2	3	4	5
6	7	8	9	0

SECURITY CODE

12345
(This is just an example)

X ✔

ERASE KEYS
PLEASE WAIT .....

DIAGNOSTIC MENU
KEYS PROGRAMMED: 00
PRESS ENTER KEY

NOW STAY CONNECTED & USE PROGRAM KEY TO PROGRAM ALL KEYS YOU WANT TO PROGRAM.

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2014-2016 JEEP CHEROKEE
(SELECTED BY VEHICLE)
PROX OR FOBIK





SPECIAL FUNCTIONS

SKIM READING- READ PIN CODE
READS THE 5 DIGIT PIN CODE FROM THE VEHICLE.

TO USE THIS IMMOBILIZER SOFTWARE AND PROGRAM KEYS YOU MUST USE READ PIN CODE.

YOU CANNOT GET THE 5 DIGIT CODE ANY OTHER WAY.

ONCE YOU HAVE SUCCESSFULLY READ THE PIN CODE SAVE IT FOR LATER USE.

PROGRAM KEYS / PROX- This function PROGRAMS keys one at a time without erasing any preciously programmed keys or prox.

ERASE KEYS / PROX- This function ERASES all currently programmed keys from the vehicle.

KEYS PROGRAMMED- Displays the number of keys currently programmed.

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-234	ADC-250 / ADC- 251 REQUIRES SMART DONGLE
MAX # OF KEYS:	**SMART DONGLE?**
8	YES
KEYS:	**SECURITY:**
KEYS LOCK TO THE VEHICLE Keys must be NEW & VIRGIN but they can be erased & re-programmed back into same vehicle.	5 DIGIT PIN MUST BE READ DIRECTLY FROM THE CAR. NASTF AND DEALER CANNOT SUPPLY THE 5 DIGIT PIN.
	COMPONENTS MATCHED?
	YES, RFH, BCM & PCM ARE MATCHED
	MATCHING CAPABILITY?
	NONE DEALER EQUIPMENT NEEDED TO MATCH COMPONENTS IF CHANGED
SECURITY LIGHT / THEFT INDICATOR:	
Light should be out at end of procedure. If theft light blinks or comes on steady the key/keys have not been accepted.	

TIPS:

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

These cars use keys that are different than previous FOBIK systems so you need to be careful in key selection.

If the key you are about to use is not the correct type for the vehicle when placed in the ignition and turned to the on position prior to programming it will not make the dash come on. knowing this can help avoid trying to program a key that is not going to program because it's the wrong one.

WATCH "HOW TO" VIDEOS-

2017 CHEROKEE
READ PIN & PROGRAM PROX



2014 CHEROKEE FOBIK
READ PIN & PROGRAM FOBIK



MORE INFO:

If programming OEM FOBIK keys or OEM PROX FOBS the buttons program in along with the transponder. There is no separate procedure.



2014-2016 JEEP CHEROKEE
(SELECTED BY VEHICLE)
PROX OR FOBIK



Use this method to READ PIN CODE

START HERE:
Select:

+JEEP
+N. AMERICA
+BY VEHICLE
+SKIM READING
+2014> CHEROKEE



USE OF THIS SOFTWARE REQUIRES SMART DONGLE

SKIM READING
HAZARDS ON / IGNITION OFF
PRESS ENTER KEY

ECU IDENTIFICATION
VIN: 1C4PJLDB0EW154141
PART NO: 681555631AF
KEYS PROGRAMMED: 02
PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
> SPECIAL FUNCTIONS
PRESS ENTER KEY

DIAGNOSTIC MENU
> READ PINCODE
PRESS ENTER KEY

SKIM READING
PINCODE: 12345
PRESS ENTER KEY

SEED-KEY ERROR

If you get this message make sure you are selecting the correct vehicle.

SKIM READING
SWITCH PRO OFF
PRESS ENTER KEY

AFTER READING THE PIN THE PRO MUST BE SWITCHED OFF BEFORE YOU CAN CONTINUE

PIN CODE IS 5 DIGITS

WRITE DOWN THE PINCODE. ONCE YOU HAVE IT, IT NEVER CHANGES.

PIN CODE MUST BE READ AS SHOWN.

THE 5 DIGIT PIN CANNOT BE OBTAINED FROM NASTF OR THE DEALER.



2014-2016 JEEP CHEROKEE
(SELECTED BY VEHICLE)
PROX



Use this method to PROGRAM PROX KEY/S

MAKE SURE YOU HAVE READ THE 5 DIGIT PIN CODE- (See Previous Page)

NEXT GO HERE:
Select:

+JEEP
+N. AMERICA
+BY VEHICLE
+IMMOBILIZER
+2014> CHEROKEE
+PROX



USE OF THIS SOFTWARE REQUIRES SMART DONGLE

DIAGNOSTIC MENU
HAZARDS ON / IGNITION OFF
PRESS ENTER KEY

ECU IDENTIFICATION
VIN: 1C4PJLDB0EW154141
PART NO: 681555631AF
KEYS PROGRAMMED: 02
PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
> SPECIAL FUNCTIONS
PRESS ENTER KEY

DIAGNOSTIC MENU
>PROGRAM KEY
ERASE KEYS
PRESS ENTER KEY

SECURITY CODE

_ _ _ _ _

1	2	3	4	5
6	7	8	9	0

SECURITY CODE

12345
(This is just an example)

X ✔

PROGRAM KEYS
PRESS & RELEASE UNLOCK BUTTON ON FOB TO BE PROGRAMMED WITHIN 10 SEC.
. . . . .



REPEATEDLY PRESS THE UNLOCK BUTTON ON THE PROX FOB HOLDING THE FOB NEAR THE CENTER CONSOLE.....

DIAGNOSTIC MENU
KEYS PROGRAMMED: 03
PRESS ENTER KEY

DO YOU WANT TO
PROGRAM MORE KEYS?

X ✔

PROGRAM EACH KEY THIS SAME WAY UNTIL YOU ARE DONE

ERROR- TIMOUT -
CHECK THE KEYS YOU ARE TRYING TO PROGRAM



2014-2016 JEEP CHEROKEE
(SELECTED BY VEHICLE)
FOBIK



Use this method to PROGRAM FOBIK KEY/S

MAKE SURE YOU HAVE READ THE 5 DIGIT PIN CODE- (See Previous Page)

NEXT GO HERE:
Select:

+JEEP
+N. AMERICA
+BY VEHICLE
+IMMOBILIZER
+2014> CHEROKEE
+FOBIK



USE OF THIS SOFTWARE REQUIRES SMART DONGLE

DIAGNOSTIC MENU
HAZARDS ON / IGNITION OFF
PRESS ENTER KEY

ECU IDENTIFICATION
VIN: 1C4PJLDB0EW154141
PART NO: 681555631AF
KEYS PROGRAMMED: 02
PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
> SPECIAL FUNCTIONS
PRESS ENTER KEY

DIAGNOSTIC MENU
>PROGRAM KEY
ERASE KEYS
PRESS ENTER KEY

SECURITY CODE

_ _ _ _ _

1	2	3	4	5
6	7	8	9	0

SECURITY CODE

12345

(This is just an example)

X ✔

MAKE SURE THE KEY YOU WANT TO PROGRAM IS IN THE IGNITION!

PROGRAM KEYS
MAKE SURE IGNITION IS IN LOCK POSITION.
PRESS ENTER KEY

PROGRAM KEYS
PLEASE WAIT .....

DIAGNOSTIC MENU
KEYS PROGRAMMED: 03
PRESS ENTER KEY

DO YOU WANT TO
PROGRAM MORE KEYS?

X ✔

PROGRAM EACH KEY THIS SAME WAY UNTIL YOU HAVE PROGRAMMED ALL THE KEYS YOU WANT TO....

ERROR- TIMOUT -
CHECK THE KEYS YOU ARE TRYING TO PROGRAM

2014-2016 JEEP CHEROKEE
(SELECTED BY VEHICLE)
PROX OR FOBIK
both erase the same way shown here





Use this method to ERASE FOBIK or PROX

ERASE IS OPTIONAL - DO NOT ERASE UNLESS YOU WANT TO ERASE ALL KEYS

GO HERE:
Select:

+JEEP
+N. AMERICA
+BY VEHICLE
+IMMOBILIZER
+2014> CHEROKEE
+FOBIK or PROX



USE OF THIS SOFTWARE REQUIRES SMART DONGLE

DIAGNOSTIC MENU
HAZARDS ON / IGNITION OFF
PRESS ENTER KEY

ECU IDENTIFICATION
VIN: 1C4PJLDB0EW154141
PART NO: 681555631AF
KEYS PROGRAMMED: 02
PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
> SPECIAL FUNCTIONS
PRESS ENTER KEY

DIAGNOSTIC MENU
PROGRAM KEY
>ERASE KEYS
PRESS ENTER KEY

ERASE KEYS

ARE YOU SURE?

X ✔

SECURITY CODE

_ _ _ _ _

1	2	3	4	5
6	7	8	9	0

SECURITY CODE

12345
(This is just an example)

X ✔

ERASE KEYS
PLEASE WAIT .....

DIAGNOSTIC MENU
KEYS PROGRAMMED: 00
PRESS ENTER KEY

NOW STAY CONNECTED & USE PROGRAM KEY TO PROGRAM ALL KEYS YOU WANT TO PROGRAM.

2016 JEEP RENEGADE
2016 FIAT 500X
(SELECTED BY VEHICLE)
PROX MODELS ONLY





SPECIAL FUNCTIONS

SKIM READING- READ PIN CODE
READS THE 5 DIGIT PIN CODE FROM THE VEHICLE. THIS MUST BE DONE 1ST TO GET THE CARS PIN CODE.



ERASE PROX- This function PROGRAMS 1 PROX & ERASES all currently programmed PROX keys from the system.
At least one PROX (new or used) is required to perform this procedure.

ADD PROX- This function PROGRAMS PROX keys one at a time without erasing any preciously programmed prox.

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-234	ADC-250 / ADC- 251 REQUIRES SMART DONGLE
MAX # OF KEYS:	**SMART DONGLE?**
8	YES
PROX KEYS:	**SECURITY:**
JEEP and FIAT keys are the same except for the logo.	5 DIGIT PIN MUST BE READ DIRECTLY FROM THE CAR. NASTF AND DEALER CANNOT SUPPLY THE 5 DIGIT PIN.
	COMPONENTS MATCHED?
	YES, RFH, BCM & PCM ARE MATCHED
	MATCHING CAPABILITY?
	NONE DEALER EQUIPMENT NEEDED TO MATCH COMPONENTS IF CHANGED
SECURITY LIGHT / THEFT INDICATOR:	
Light should be out at end of procedure. If theft light blinks or comes on steady the key/keys have not been accepted.	

TIPS:

Make sure you have the correct Fob to use. Jeep Renegade and Fiat 500X fobs are interchangable, only the logo is different.

As an added bonus, fobs do not lock and so can be re-used from another vehicle.

WATCH VIDEO-

MORE INFO:

If programming OEM FOBIK keys or OEM PROX FOBS the buttons program in along with the transponder. There is no separate procedure.



2016 JEEP RENEGADE
2016 FIAT 500X
(SELECTED BY VEHICLE)



Use this method to READ PIN CODE

START HERE:
Select:

+JEEP
+N. AMERICA
+BY VEHICLE
+SKIM READING
+RENEGADE
+2016>
+PROX



USE OF THIS SOFTWARE REQUIRES SMART DONGLE

SKIM READING
HAZARDS ON / IGNITION OFF
PRESS ENTER KEY

ECU IDENTIFICATION
VIN: 1C3CCCABXFN123456
PART NO: 68155691AH
KEYS PROGRAMMED: 02
PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
> SPECIAL FUNCTIONS
PRESS ENTER KEY

DIAGNOSTIC MENU
> READ PINCODE
PRESS ENTER KEY

SKIM READING
PINCODE: 12345
PRESS ENTER KEY

SEED-KEY ERROR

If you get this message make sure you are selecting the correct vehicle.

SKIM READING
SWITCH PRO OFF
PRESS ENTER KEY

AFTER READING THE PIN THE PRO MUST BE SWITCHED OFF BEFORE YOU CAN CONTINUE

PIN CODE IS 5 DIGITS

WRITE DOWN THE PINCODE. ONCE YOU HAVE IT, IT NEVER CHANGES.

PIN CODE MUST BE READ AS SHOWN.

THE 5 DIGIT PIN CANNOT BE OBTAINED FROM NASTF OR THE DEALER.



2016 JEEP RENEGADE
2016 FIAT 500X
(SELECTED BY VEHICLE)



Use this method to ERASE PROX (programs one in the process)

ERASE IS OPTIONAL - DO NOT ERASE UNLESS YOU WANT TO ERASE ALL KEYS

MAKE SURE YOU ALREADY HAVE THE PIN CODE THEN START HERE:
Select:

+JEEP
+N. AMERICA
+BY VEHICLE
+IMMOBILIZER
+RENEGADE
+PROX



USE OF THIS SOFTWARE REQUIRES SMART DONGLE

DIAGNOSTIC MENU
HAZARDS ON / IGNITION OFF
PRESS ENTER KEY

ECU IDENTIFICATION
VIN: ZACCJBDT3GPC54321
PART NO: ZACCJBDT3G
KEYS PROGRAMMED: 02
PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS
PRESS ENTER KEY

DIAGNOSTIC MENU
> ERASE PROX
ADD PROX
PRESS ENTER KEY

ERASE KEYS
ENSURE ALL DOORS ARE
CLOSED
THIS PROCEDURE WILL DISABLE
DISABLE ALL PROX AND THEN
PROGRAM ONE PROX
PRESS ENTER KEY

ERASE KEYS
DO YOU WANT TO CONTINUE?
X ✔

SECURITY CODE				
_ _ _ _ _				
1	2	3	4	5
6	7	8	9	0

SECURITY CODE
12345
(This is just an example)
X ✔

DIAGNOSTIC MENU
PLACE THE PROX NEAR
THE CENTER CONSOLE
MAKE SURE IGNITION IS OFF
PRESS ENTER KEY

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2016 JEEP RENEGADE
2016 FIAT 500X
(SELECTED BY VEHICLE)



Use this method to ERASE PROX (programs one in the process) Cont'd

ADD PROX
PRESS AND RELEASE THE
'UNLOCK' BUTTON ONCE
WITHIN 30 SECONDS. THEN
WAIT
PRESS ENTER KEY

ADD PROX
PLEASE WAIT .....

PROCEDURE COMPLETE

IF YOU WANT TO PROGRAM MORE PROX STAY CONNECTED & USE ADD PROX TO PROGRAM ANY ADDITIONAL KEYS YOU WANT TO PROGRAM.

HELPFUL TIP:

ONCE YOU COMPLETE THE ERASE KEY PROCEDURE IF YOU THEN GO TO THE ECU ID SCREEN YOU SHOULD NOW SEE JUST 1 PROX PROGRAMMED, WHICH WILL BE THE ONE USED DURING THE ERASE.

ECU IDENTIFICATION
VIN: ZACCJBDT3GPC54321
PART NO: ZACCJBDT3G
KEYS PROGRAMMED: 01
PRESS ENTER KEY



2016 JEEP RENEGADE
2016 FIAT 500X
(SELECTED BY VEHICLE)



Use this method to ADD PROX

MAKE SURE YOU ALREADY HAVE THE PIN CODE THEN START HERE: Select:

+JEEP
+N. AMERICA
+BY VEHICLE
+IMMOBILIZER
+RENEGADE
+PROX



USE OF THIS SOFTWARE REQUIRES SMART DONGLE

DIAGNOSTIC MENU
HAZARDS ON / IGNITION OFF
PRESS ENTER KEY

ECU IDENTIFICATION
VIN: ZACCJBDT3GPC54321
PART NO: ZACCJBDT3G
KEYS PROGRAMMED: 02
PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS
PRESS ENTER KEY

DIAGNOSTIC MENU
ERASE PROX
> ADD PROX
PRESS ENTER KEY

SECURITY CODE

_ _ _ _ _

1	2	3	4	5
6	7	8	9	0

SECURITY CODE

12345

(This is just an example)

X ✔

DIAGNOSTIC MENU
PLACE THE PROX NEAR
THE CENTER CONSOLE
MAKE SURE IGNITION IS OFF
PRESS ENTER KEY

ADD PROX
PRESS AND RELEASE THE
'UNLOCK' BUTTON ONCE
WITHIN 30 SECONDS. THEN
WAIT
PRESS ENTER KEY

DO YOU WANT TO PROGRAM MORE KEYS

X ✔

IF YOU HAVE MORE PROX TO ADD KEEP GOING BY SELECTING THE CHECK MARK ✔

IF YOU ARE ALL DONE THEN SELECT THE X

PROCEDURE COMPLETE

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2003-2006 DODGE SPRINTER



SPECIAL FUNCTIONS

PROGRAM KEYS - Erases all programmed keys and programs 1 key.

ADDITIONAL KEYS - Programs keys one at a time without erasing.

VERY IMPORTANT: THE ADDITIONAL KEYS PROCEDURE MUST ALWAYS BE STARTED WITH A WORKING ALREADY PROGRAMMED KEY.

KEYS STORED- Reads the number of keys in memory.

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-139	ADC-250 / ADC- 251
MAX # OF KEYS:	**SMART DONGLE?**
8	YES
KEYS:	**SECURITY:**
OEM Key with RKE or an aftermarket key can be used. Aftermarket must be loaded with a value cannot be blank chip	ROLLING CODE Dealer or N.A.S.T.F
	COMPONENTS MATCHED?
	YES
	MATCHING CAPABILITY?
	NONE DEALER EQUIPMENT NEEDED TO MATCH COMPONENTS IF CHANGED

SECURITY LIGHT / THEFT INDICATOR:

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

TIPS:

Pin Codes may be very difficult to obtain, and must be run live with equipment hooked up. If you disconnect and start over the numbers will have changed. That's why it's called a "Rollling Code"

Unless this is a Lost Key job it may be far easier to clone a key than to use this procedure!

If programming OEM FOBIK keys or OEM PROX FOBS the buttons program in along with the transponder. There is no separate procedure.

2003-2006
DODGE SPRINTER

GENERAL INFO

"Start Error" will be displayed on the dash if the key in the ignition is not programmed or recognized because of a problem with the immo system such as a damaged antenna ring etc. This will also be displayed during the key programming procedure whenever a new key is being introduced.





Important Facts to Know:

A) "Start Error" will be displayed on the dash if the key in the ignition is not programmed or recognized because of a problem with the immobilizer system such as a damaged antenna ring etc. This will also be displayed during the key programming procedure whenever a new key is being introduced.

B) When adding a key, it is important to start the procedure with an already programmed key. If not, a second key will not be programmed and any programmed keys are locked out. The only way to correct this is to start over using "Program Keys" (erases all previously stored keys and programs the key in the ignition). It will still say 1 key programmed but your already programmed key will no longer work

C) If erasing, the same key stays in the ignition throughout the procedure. If adding a key, the process is started using a programmed key and the when asked to turn the ignition back on you use the new key being programmed.

D) You must wait 3 minutes before programming another key.

E) When programming a factory remote head key, the buttons will program at the same time as the key. They will NOT be erased if keys are erased, old keys will no longer start the vehicle but they will continue to operate the RKE system.

F) After-Markets, like from SILCA, are designed for cloning. They will work for programming but only if they have info loaded onto the chip before they can be used.

G) If you have a working key and you don't need to have a remote head key, then CLONING is by far an easier option.

2003-2006
DODGE SPRINTER

Use this method to *ADD* KEYS

START HERE:

Select:

+DODGE
+NORTH AMERICA
+BY VEHICLE
+SPRINTER
+2003-2006
IMMOBILISER

When Adding a key - it is important to start the procedure with an already programmed key. Otherwise you will have to erase all keys using "Program Keys".



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

VEHICLE SELECTION
SWITCH IGNITION ON
PRESS ENTER KEY

ECU IDENTIFICATION
MB No. 0335456132 H/WARE VERSION: 26/02 S/WARE VERSION: 39/00 DIAG IDENT: 00/00
PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION > SPECIAL FUNCTIONS

DIAGNOSTIC MENU
KEYS STORED PROGRAM KEYS > ADDITIONAL KEYS

ADDITIONAL KEYS
SWITCH IGNITION OFF
PRESS ENTER KEY

ADDITIONAL KEYS
PLEASE WAIT . . . . . . It will take about 90 seconds.

ADDITIONAL KEYS
SWITCH IGNITION ON (With New key)
PRESS ENTER KEY

2003-2006
DODGE SPRINTER

Use this method to *ADD* KEYS - Continued

Make sure the ignition is On before pressing the Enter button or you will have to start over.

ECU IDENTIFICATION
RANDOM CODE: 87FE
I D CODE: 4A08D1AD
CALCULATION: X1
NUMBER OF KEYS: 1
TRANS CODE: F53F4165D7
PLEASE OBTAIN CODE
PRESS ENTER KEY

This group of numbers & letters are needed along with the VIN by the dealer to get the PIN CODE.
The CALCULATION will always be X1 for adding keys and X2 for erasing.

SECURITY CODE

_ _ _ - _ _ _ - _ _ _ - _ _ _

1	2	3	4	5
6	7	8	9	0

SECURITY CODE

173-215-288-217

IS CODE CORRECT

X ✔

ADDITIONAL KEYS
SWITCH IGNITION OFF
(Keep the key in the ignition lock.)
PRESS ENTER KEY

ADDITIONAL KEYS
PLEASE WAIT
. . . . .
It will take about 90 seconds.

ADDITIONAL KEYS
SWITCH IGNITION ON
PRESS ENTER KEY

I D CODE 4A08D1AD
KEYS STORED: 2

PRESS ENTER KEY

WAIT AT LEAST 3 MINUTES BEFORE DOING ANY MORE PROGRAMMING

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2003-2006
DODGE SPRINTER

Use this method to *ERASE KEYS - Programs 1 key*

START HERE:

Select:
+DODGE
+NORTH AMERICA
+BY VEHICLE
+SPRINTER
+2003-2006
IMMOBILISER

This procedure is used for when you have no keys or if your erasing keys.



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

VEHICLE SELECTION
SWITCH IGNITION ON
PRESS ENTER KEY

ECU IDENTIFICATION
MB No. 0335456132 H/WARE VERSION: 26/02 S/WARE VERSION: 39/00 DIAG IDENT: 00/00
PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION > SPECIAL FUNCTIONS

DIAGNOSTIC MENU
KEYS STORED > PROGRAM KEYS ADDITIONAL KEYS

PROGRAM KEYS
SWITCH IGNITION OFF
PRESS ENTER KEY

PROGRAM KEYS
PLEASE WAIT . . . . . . It will take about 90 seconds.

PROGRAM KEYS
SWITCH IGNITION ON
PRESS ENTER KEY

2003-2006
DODGE SPRINTER

Use this method to *ERASE KEYS - Programs 1 key - Continued*

Make sure the ignition is On before pressing the Enter button or you will have to start over.

ECU IDENTIFICATION
RANDOM CODE: 87FE
I D CODE: 4A08D1AD
CALCULATION: X1
NUMBER OF KEYS: 1
TRANS CODE: F53F4165D7
PLEASE OBTAIN CODE
PRESS ENTER KEY

This group of numbers & letters are needed along with the VIN by the dealer to get the PIN CODE.
The CALCULATION will always be X1 for adding keys and X2 for erasing.

SECURITY CODE

_ _ _ - _ _ _ - _ _ _ - _ _ _

1	2	3	4	5
6	7	8	9	0

SECURITY CODE

173-215-288-217

IS CODE CORRECT

X ✔

PROGRAM KEYS
SWITCH IGNITION OFF
(Keep the key in the ignition lock.)
PRESS ENTER KEY

PROGRAM KEYS
PLEASE WAIT
. . . . .
It will take about 90 seconds.

PROGRAM KEYS
SWITCH IGNITION ON
PRESS ENTER KEY

I D CODE 4A08D1AD
KEYS STORED: 1

PRESS ENTER KEY

WAIT AT LEAST 3 MINUTES BEFORE DOING ANY MORE PROGRAMMING

Jeep Remote Section

GRID INDEX

- Only the models listed are supported -

MODELS	YEARS	Remote System Type	Dongle	Remote OEM Part Number
Cherokee	1998	11	C or P*	P/N: 56008968AB
	1999 - 2001	11	C or P*	Black P/N: 56036859 Grey P/N: 56036860
Grand Cherokee	1999 - 2004	2	C	Black P/N: 56036859 Grey P/N: 56036860
Liberty	2002 - 2004	3	C	P/N: 04602260AA

Some Pro units sold mid-2013-2014 use P Dongle instead of C on models listed as C or P

Plymouth Remote Section

GRID INDEX

- Only the models listed are supported -

MODELS	YEARS	Remote System Type	Dongle	Remote OEM Part Number
Breeze	1998 - 2000	10	C or P*	P/N: 04608229AB
Neon	2000 - 2001	1	C	P/N: 04759008
Voyager	1996 - 1998	9	C or P*	P/N: 04686366
	1999 - 2000	9	C or P*	P/N: 04686481

Type 1 Remotes (Neon & PT Cruiser)

-- Any Remotes not present will be erased during programming mode. --



2000-2006
NEON



2001-2005
PT CRUISER

START HERE:

Select:
+CHRYSLER
+BY SYSTEM
+REMOTES

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

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION
NEON / PT CRUISER REMOTES - TYPE 1
PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
LIVE DATA
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU
> PROGRAM REMOTE
TEST REMOTE

PROGRAMMING REMOTES

PRESS REMOTES

BACK' TO EXIT.

Note:
1) A chime is heard as you enter & leave programming mode.

- A chime is heard as a remote is learned.
- All Remotes must be programmed at the same time.
- Press the BACK key to exit the mode.

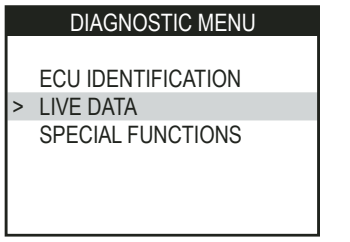
PROGRAMMING REMOTES

PROCEDURE COMPLETE

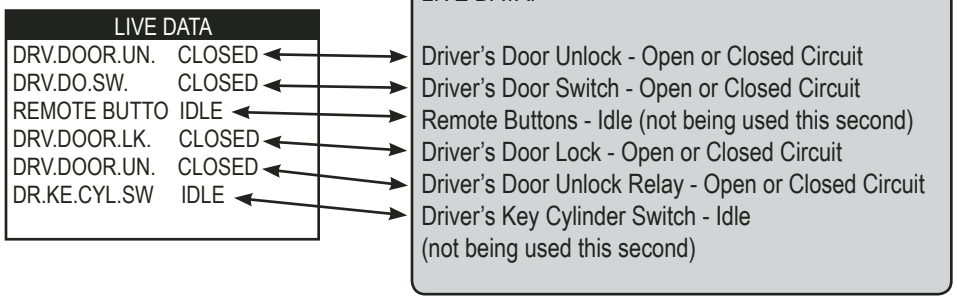
PRESS ENTER KEY

Type 1 Remotes (Neon & PT Cruiser)

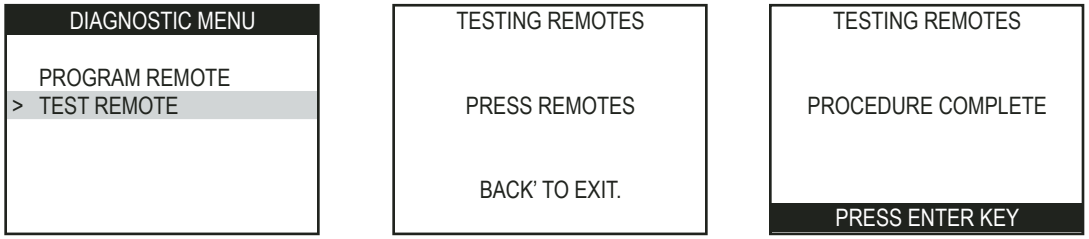
Type 1 LIVE DATA



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



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.



Unlock

Lock

Type 2 Remotes ('99-'04 Jeep Grand Cherokee)

NOTE: Not all Chrysler-Dodge-Jeep-Plymouth vehicles came from the factory with factory Remote Key-less Entry. If it did not come from the factory with working factory remotes than you cannot add them in now.



1999-2004
Jeep
Grand Cherokee

START HERE:

Select:
+CHRYSLER
+BY SYSTEM
+REMOTES

VEHICLE SELECTION

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

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

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

Type 3 Remotes ('01-'03 Dodge Caravan)

NOTE: Not all Chrysler-Dodge-Jeep-Plymouth vehicles came from the factory with factory Remote Key-less Entry. If it did not come from the factory with working factory remotes than you cannot add them in now.

-- Any Remotes not present will be erased during programming mode. --

START HERE:

Select:
+CHRYSLER
+BY SYSTEM
+REMOTES

VEHICLE SELECTION

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

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

CARAVAN / LIBERTY
REMOTES - TYPE 3

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU

> PROGRAM REMOTE

PROGRAMMING REMOTES

PRESS LOCK & UNLOCK
TOGETHER FOR 1 Sec.
WITHIN 3 Secs. Press
EITHER KEY FOR 1 Sec
REPEAT FOR ALL FOBS
BACK' TO EXIT.

Note: To program the remote-

1) Press the Lock & Unlock buttons together and then quickly press the unlock button.

- A chime is heard as a remote is learned.
- All Remotes must be programmed at the same time.
- Press the BACK key to exit the mode.

PROGRAMMING REMOTES

PROCEDURE COMPLETE

PRESS ENTER KEY



with Power Sliding Doors

2001-2003
Caravan



No Power Sliding Doors

2001-2003
Caravan

Type 3 Remotes ('02-'04 Jeep Liberty)

NOTE: Not all Chrysler-Dodge-Jeep-Plymouth vehicles came from the factory with factory Remote Key-less Entry. If it did not come from the factory with working factory remotes than you cannot add them in now.

-- Any Remotes not present will be erased during programming mode. --



2002-2004
Jeep Liberty

START HERE:

Select:
+CHRYSLER
+BY SYSTEM
+REMOTES

VEHICLE SELECTION

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

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

CARAVAN / LIBERTY
REMOTES - TYPE 3

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU

> PROGRAM REMOTE

PROGRAMMING REMOTES

PRESS LOCK & UNLOCK
TOGETHER FOR 1 Sec.
WITHIN 3 Secs. Press
EITHER KEY FOR 1 Sec
REPEAT FOR ALL FOBS
BACK' TO EXIT.

Note: To program the remote-

1) Press the Lock & Unlock buttons together and then quickly press the unlock button.

- A chime is heard as a remote is learned.
- All Remotes must be programmed at the same time.
- Press the BACK key to exit the mode.

PROGRAMMING REMOTES

PROCEDURE COMPLETE

PRESS ENTER KEY

Type 4 Remotes ('98-'00 Chrysler Sebring Conv.)

NOTE: Not all Chrysler-Dodge-Jeep-Plymouth vehicles came from the factory with factory Remote Key-less Entry. If it did not come from the factory with working factory remotes than you cannot add them in now.



1998-2000
Chrysler Sebring
Convertible

START HERE:

Select:
+CHRYSLER
+BY SYSTEM
+REMOTES

VEHICLE SELECTION

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

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

SEBRING CONVERTIBLE
REMOTES - TYPE 4

PRESS ENTER KEY

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

DIAGNOSTIC MENU

ECU IDENTIFICATION
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU

> PROGRAM REMOTE

PROGRAM REMOTE

DO YOU WANT TO
ERASE REMOTES

'1' -YES '3' -NO

PROGRAM REMOTE

HOLD LOCK BUTTON &
DECKLID BUTTON
TOGETHER FOR 10 Sec.

Note: To program the remote

1) Press the Lock button & Decklid button together and hold until the door locks cycle to the unlocked position. This takes about 10 to 20 seconds.

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

Type 5 Remotes (1998 Dodge Durango)

NOTE: Not all Chrysler-Dodge-Jeep-Plymouth vehicles came from the factory with factory Remote Key-less Entry. If it did not come from the factory with working factory remotes than you cannot add them in now.



1998
Dodge Durango

START HERE:

Select:
+CHRYSLER
+BY SYSTEM
+REMOTES

VEHICLE SELECTION

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

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

DAKOTA / DURANGO / RAM
CCD REMOTES - TYPE 5

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
> SPECIAL FUNCTIONS

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.

Type 5 Remotes ('99-'00 Dodge Durango)

NOTE: Not all Chrysler-Dodge-Jeep-Plymouth vehicles came from the factory with factory Remote Key-less Entry. If it did not come from the factory with working factory remotes than you cannot add them in now.

START HERE:

Select:
+CHRYSLER
+BY SYSTEM
+REMOTES

VEHICLE SELECTION

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

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

DAKOTA / DURANGO / RAM
CCD REMOTES - TYPE 5

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
> SPECIAL FUNCTIONS

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)

NOTE: Not all Chrysler-Dodge-Jeep-Plymouth vehicles came from the factory with factory Remote Key-less Entry. If it did not come from the factory with working factory remotes than you cannot add them in now.



1998
Dodge Dakota

START HERE:

Select:
+CHRYSLER
+BY SYSTEM
+REMOTES

VEHICLE SELECTION

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

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

DAKOTA / DURANGO / RAM
CCD REMOTES - TYPE 5

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
> SPECIAL FUNCTIONS

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.

Type 5 Remotes ('99-'00 Dodge Dakota)

NOTE: Not all Chrysler-Dodge-Jeep-Plymouth vehicles came from the factory with factory Remote Key-less Entry. If it did not come from the factory with working factory remotes than you cannot add them in now.

START HERE:

Select:
+CHRYSLER
+BY SYSTEM
+REMOTES

VEHICLE SELECTION

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

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

DAKOTA / DURANGO / RAM
CCD REMOTES - TYPE 5

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
> SPECIAL FUNCTIONS

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

Type 5 Remotes

2002 DODGE RAM PICK UP IDENTIFICATION

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

Type 8 Remotes

The door handle sticks out from the door.



Old Style RAM Pick-Up

Early 2002

Type 5 Remotes

The door handle is flush in the door.

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Type 5 Remotes ('98-'02 Dodge RAM Pick Up)

NOTE: Not all Chrysler-Dodge-Jeep-Plymouth vehicles came from the factory with factory Remote Key-less Entry. If it did not come from the factory with working factory remotes than you cannot add them in now.

START HERE:

Select:
+CHRYSLER
+BY SYSTEM
+REMOTES

VEHICLE SELECTION

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

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

DAKOTA / DURANGO / RAM
CCD REMOTES - TYPE 5

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
> SPECIAL FUNCTIONS

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.



'99-'00
Dodge Dakota

Type 6 Remotes

NOTE: Not all Chrysler-Dodge-Jeep-Plymouth vehicles came from the factory with factory Remote Key-less Entry. If it did not come from the factory with working factory remotes than you cannot add them in now.

-- Any Remotes not present will be erased during programming mode. --



1999-2004
Chrysler 300M

1998-2004
Chrysler Concorde

1999-2001
Chrysler LHS

2001-2006
Chrysler Sebring
Convertible

2001-2006
Chrysler Sebring
4 Door

1999-2004
Dodge Intrepid

2001-2006
Dodge Stratus
4 Door

START HERE:

Select:
+CHRYSLER
+BY SYSTEM
+REMOTES

VEHICLE SELECTION

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

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

300M / CONCORDE
INTREPID / LHS
REMOTES - TYPE 6

PRESS ENTER KEY

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

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Type 7 Remotes ('01-'04 Dodge Dakota)

NOTE: Not all Chrysler-Dodge-Jeep-Plymouth vehicles came from the factory with factory Remote Key-less Entry. If it did not come from the factory with working factory remotes than you cannot add them in now.

START HERE:

Select:
+CHRYSLER
+BY SYSTEM
+REMOTES

VEHICLE SELECTION

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

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

DAKOTA PICK-UP
REMOTES - TYPE 7

PRESS ENTER KEY

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 Device.

PROGRAM REMOTE

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

PROGRAM REMOTE

PROCEDURE COMPLETE

PRESS ENTER KEY



2001-2004
Dodge Dakota

Type 7 Remotes ('01-'03 Dodge Durango)

NOTE: Not all Chrysler-Dodge-Jeep-Plymouth vehicles came from the factory with factory Remote Key-less Entry. If it did not come from the factory with working factory remotes than you cannot add them in now.



2001-2003
Dodge Durango

START HERE:

Select:
+CHRYSLER
+BY SYSTEM
+REMOTES

VEHICLE SELECTION

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

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

DAKOTA PICK-UP
REMOTES - TYPE 7

PRESS ENTER KEY

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 Device.

PROGRAM REMOTE

PROCEDURE COMPLETE

PRESS ENTER KEY

Type 8 Remotes ('02-'05 Dodge RAM Pick Up)

NOTE: Not all Chrysler-Dodge-Jeep-Plymouth vehicles came from the factory with factory Remote Key-less Entry. If it did not come from the factory with working factory remotes than you cannot add them in now.

-- Any Remotes not present will be erased during programming mode. --

START HERE:

Select:
+CHRYSLER
+BY SYSTEM
+REMOTES

VEHICLE SELECTION

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

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

RAM PICK-UP
REMOTES - TYPE 8

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU

> PROGRAM REMOTE

PROGRAMMING REMOTES

PRESS LOCK & UNLOCK TOGETHER FOR 1 Sec. WITHIN 3 Secs. Press EITHER KEY FOR 1 Sec REPEAT FOR ALL FOBS BACK' TO EXIT.

Note: To program the remote-

1) Press the Lock & Unlock buttons together and then quickly press the Unlock button.

- A chime is heard as a remote is learned.
- All Remotes must be programmed at the same time.
- Press the BACK key to exit the mode.

PROGRAMMING REMOTES

PROCEDURE COMPLETE

PRESS ENTER KEY



2002-2005
Dodge
RAM Pick-Up

Type 9 Remotes ('96-'98 Dodge Caravan)

NOTE: Not all Chrysler-Dodge-Jeep-Plymouth vehicles came from the factory with factory Remote Key-less Entry. If it did not come from the factory with working factory remotes than you cannot add them in now.

-- Any Remotes not present will be erased during programming mode. --



1996-1998
Chrysler
Town & Country

1996-1998
Dodge Caravan

1996-1998
Plymouth Voyager

START HERE:

Select:
+CHRYSLER
+BY SYSTEM
+REMOTES

VEHICLE SELECTION

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

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

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.

PROGRAM REMOTE

PROCEDURE COMPLETE

PRESS ENTER KEY

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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. --

START HERE:

Select:
+CHRYSLER
+BY SYSTEM
+REMOTES

VEHICLE SELECTION

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

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

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.



1999-2000
Chrysler
Town & Country

1999-2000
Dodge Caravan

1999-2000
Plymouth Voyager

Note: To program the remote-

1) Wait for chime - 2 to 3 seconds - to start programming remotes.

2) Press the Lock & Unlock buttons together and then quickly press the unlock button.

- A chime is heard as you enter & leave programming mode.
- A chime is heard as a remote is learned.
- All Remotes must be programmed at the same time.
- Press the BACK key to exit the mode.

PROGRAM REMOTE

PROCEDURE COMPLETE

PRESS ENTER KEY

Type 10 Remotes ('98-'00 Breeze / Cirrus / Stratus)

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

START HERE:

Select:
+CHRYSLER
+BY SYSTEM
+REMOTES

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

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION
BREEZE/CIRRUS/STRATUS
CCD REMOTES - TYPE 10
PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU
> PROGRAM REMOTE

PROGRAM REMOTE

DO YOU WANT TO
ERASE REMOTES

'1' -YES '3' -NO

PROGRAMMING REMOTES

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

REPEAT FOR ALL FOBS
BACK' TO EXIT.

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.

PROGRAM REMOTE

PROCEDURE COMPLETE

PRESS ENTER KEY

Type 11 Remotes (1998 Jeep Cherokee)

NOTE: Not all Chrysler-Dodge-Jeep-Plymouth vehicles came from the factory with factory Remote Key-less Entry. If it did not come from the factory with working factory remotes than you cannot add them in now.

START HERE:

Select:
+CHRYSLER
+BY SYSTEM
+REMOTES

VEHICLE SELECTION

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

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

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 Device will return to the 'Program Remote' menu.

DIAGNOSTIC MENU

> PROGRAM REMOTE



1998
Jeep Cherokee

Type 11 Remotes (1999-2001 Jeep Cherokee)

NOTE: Not all Chrysler-Dodge-Jeep-Plymouth vehicles came from the factory with factory Remote Key-less Entry. If it did not come from the factory with working factory remotes than you cannot add them in now.



1999-2001
Jeep Cherokee

START HERE:

Select:
+CHRYSLER
+BY SYSTEM
+REMOTES

VEHICLE SELECTION

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

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

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:
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PROGRAMMING REMOTES

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- The Device will return to the 'Program Remote' menu.

DIAGNOSTIC MENU

> PROGRAM REMOTE

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FIAT SECTION





T-CODE SOFTWARE PACKS:

Fiat USA (ADS-181)

Fiat 2015 (ADS-231)

Fiat 2016 (ADS-258)

Smart Aerial Device (ADC-242)

Find a Sales Representative Near You

2012-2016 500 — ADS-181

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Key Required Ordered by VIN	Select by Vehicle	Yes	YES (5-Digit)	NO	**J**-Purple Or **SD**
Note: Remote programs in along with transponder.					
WARNING: All keys lost on some 2dr. models requires BCM replacement. This will require dealer tool.					

2012-2016 500 — ADS-258

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Use a SIP22 shell w/ Virgin 46 chip. Software can READ and Pre-Code the data to transponder using Smart Aerial ADC-242 or RW4 w/ ADC-243 Cable	Select by Vehicle	Built in	YES (5-Digit)	YES - Software Reads Pin Code	**REQUIRES SD**
READ PIN / PRECODE TRANSPONDER W/ SMART AERIAL					
WARNING: All keys lost on some 2dr. models requires BCM replacement. This will require dealer tool.					

2014-2016 500L WITH KEYED TYPE IGNITION — ADS-231

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Use a SIP22 shell w/ Virgin 46 chip. Software can READ and Pre-Code the data to transponder using Smart Aerial ADC-242 or RW4 w/ ADC-243 Cable	Select by Vehicle	Built in	YES (5-Digit)	YES - Software Reads Pin Code	**REQUIRES SD**
READ PIN / PRECODE TRANSPONDER W/ SMART AERIAL					
Factory alarm should not interfere with programming on this model based on our testing.					

2016 500X WITH PROXIMITY TYPE IGNITION — ADS-234

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM PROX A Jeep or Fiat Prox fob will work. Only the logo is different.	Select by Vehicle	SD Handles Smart Card in background	**Yes 5 DIGIT**	YES Included in software	Requires Smart Dongle
MVP will use 1 token to read pin and 1 to program. Requires Latest Beta at time of printing. Same as 2016 Jeep Renegade.					

2016 500X WITH KEYED TYPE IGNITION

Not yet supported

*This tab is for the older ADS-181 software which is now augmented / changed by ADS-258

FIAT 500
BLADED KEY IMMOBILIZER SYSTEM



SPECIAL FUNCTIONS

Program Keys - Erases all currently programmed keys from memory.

Programs only keys used during the procedure.

Warning: Deleted Keys can NEVER be added back in!

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-181	ADC-250 / ADC- 251 J (PURPLE) DONGLE
MAX # OF KEYS:	**SMART DONGLE?**
8	YES
KEYS:	**SECURITY:**
DEALER KEY ordered by VIN is required if using the ADC-181 software. This is because the chip contains Vehicle Specific Pre-Coding. Later Software (ADS-231) can be used to create a program-mable transponder (SEE HERE for more info). RKE keys the buttons program in along with the transponder. There is no separate proce-dure.	**SECURITY:** 5 DIGIT PIN CODE REQUIRED
	COMPONENTS MATCHED?
	YES
	MATCHING CAPABILITY?
	NONE DEALER EQUIPMENT NEEDED TO MATCH COMPONENTS IF CHANGED

SECURITY LIGHT / THEFT INDICATOR:

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

TIPS:

TIPS: Make sure you have ALL the keys you want to program ready.

MORE INFO:

***WARNINGS:* - READ THESE OR BE SORRY LATER!**

FACTORY ALARM - Some 2 door models require BCM replacement if the alarm is tripped and no programmed keys are available.

KEYS - All the keys you want to program must be present.
If there are any other keys to the car out there, they must be present or they will be deleted forever. They can never be programmed back in, EVER. Once deleted, they might as well be paper weights

FIAT 500

Use this method to Program keys

Requires a 5-digit PIN CODE and a dealer ordered key at this time.

START HERE:

Select:

+FIAT
+USA
+BY VEHICLE

VEHICLE SELECTION

+ 500

◄ ▲ ↵ ▼ ►



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

IMMOBILIZER

12 44 AD 12 47 5A 2C

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
> FAULT CODES
SPECIAL FUNCTIONS

PRESS ENTER KEY

Run through the procedure of READING FAULT CODES.

Then CLEAR FAULT CODES.

DIAGNOSTIC MENU

> READ FAULT CODES
CLEAR FAULT CODES

PRESS ENTER KEY

DIAGNOSTIC MENU

READ FAULT CODES
> CLEAR FAULT CODES

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

PRESS ENTER KEY

DIAGNOSTIC MENU

PROGRAM KEYS
> KEY INFORMATION

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FIAT 500

Use this method to Program keys-Cont'd

***This tab is for the older ADS-181 software which is now augmented / changed by ADS-258**

Select "Key Information" to view the key data on the car.

KEY INFORMATION

KEYS STORED: 4
LAST KEY: 3
LAST KEY ID: 2885E34A3CD
KEYCOD ST: 12 21 03

PRESS ENTER KEY

DIAGNOSTIC MENU

> PROGRAM KEYS
KEY INFORMATION

PROGRAMMING KEY

KEYS NOT AVAILABLE
WILL BE DELETED AND
CANNOT BE USED AGAIN

PRESS ENTER KEY

If there are any other keys to the car out there, they must be present or they will be deleted forever. They can never be programmed back in, NEVER.

SECURITY CODE

_ _ _ _ _

1	2	3	4	5
6	7	8	9	0

Enter the PIN Code to the car.

SECURITY CODE

6 4 4 7 7
(This is just an example)

X ✔

PROGRAMMING KEYS

PROGRAMMING KEYS

DO YOU WANT TO
PROGRAM MORE KEYS?

X ✔

At this point you must program any other existing keys or they will deleted forever.

FIAT 500

Use this method to Program keys-Cont'd



PROGRAMMING KEY

REMOVE KEY
INSERT NEXT KEY
SWITCH IGNITION ON

PRESS ENTER KEY

DIAGNOSTIC MENU

KEYS PROGRAMMED: 3

PRESS ENTER KEY

Follow the on-screen prompts for programming any other keys.

When you have no other keys to program into the car - follow the on-screen prompts to close the programming mode.

Check all keys for proper operation..

SWITCH IGNITION OFF

PRESS ENTER KEY

***This tab is for the older ADS-181 software which is now augmented / changed by ADS-258**

PLEASE WAIT
. . . . . .

PRESS ENTER KEY

SWITCH IGNITION ON

PRESS ENTER KEY

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FIAT 500L & DODGE PROMASTER
(full size)
PIN READ / PRECODE TRANSPONDER




SPECIAL FUNCTIONS

READ PIN / PRECODE - Read the Pin Code & the Precoding data for the transponder. Allows the ADC-242 Smart Aerial to precode a chip which prepares it for programming. The Rw4 can also be used with ADC-243 cable.

Program Keys - Erases all currently programmed keys from memory.

Programs only keys used during the procedure.

Warning: Deleted Keys can NEVER be added back in!

500L and PROMASTER FULL SIZE will require a BCM RESET by either disconnecting the battery to the vehicle or just the BCM for about 1 minute. On PROMASTER battery is under a cover inside the cargo area.

TIPS:

TIPS: Make sure you have ALL the keys you want to program ready.

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-231	ADC-250 / ADC- 251
MAX # OF KEYS:	**SMART DONGLE?**
8	YES - Required

KEYS:

Software can precode a transponder Use an SIP22 shell and a virgin 46 chip.

RKE keys ordered by VIN can be programmed.

At present time it's not possible to code a virgin OEM RKE key. This functionality We hope to have added soon.

SECURITY:

SECURITY:
Software reads PIN CODE & Precoding data.

SMART AERIAL?

YES



MATCHING CAPABILITY?

NONE
DEALER EQUIPMENT NEEDED TO MATCH COMPONENTS IF CHANGED

SECURITY LIGHT / THEFT INDICATOR:

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

MORE INFO:

***WARNINGS:* - READ THESE OR BE SORRY LATER!**

FACTORY ALARM - Some 2 door models require BCM replacement if the alarm is tripped and no programmed keys are available. Unfortunately, this remains true even using the new software.

KEYS - All the keys you want to program must be present.

If there are any other keys to the car out there, they must be present or they will be deleted forever. They can never be programmed back in, EVER. Once deleted, they might as well be paper weights

SMART AERIAL ADC-242



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

WATCH TRAINING VIDEOS ON FIAT & SMART AERIAL

Requires valid advanced-diagnostics.com login / account



FIAT 500L & DODGE PROMASTER (full size)
PIN READ / PRECODE TRANSPONDER

Use this method to READ PIN / PRECODE TRANSPONDER with Smart Aerial

1. CONNECT ADC-242 TO SMART DONGLE
2. CONNECT T-CODE / MVP TO THE VEHICLE OBD PORT.
3. ENSURE VOLTAGE IS AT 12 VOLTS OR HIGHER.

START HERE:

Select:



USE OF THIS SOFTWARE REQUIRES SMART DONGLE

+FIAT (USA)
+BY VEHICLE
+500L
+199
+2012
+READ PIN / PRECODE

READ PIN / PRECODE

SWITCH IGNITION ON

PRESS ENTER KEY

KEY INFORMATION

KEYS STORED: 04
LAST KEY: 05
LAST KEY ID 1250DB87
KEYCOD. ST. : 08 21 03

PRESS ENTER KEY

READ PIN / PRECODE

ENSURE THAT THE BCM IS RESET AFTER READING THE PRECODE DATA
FAILURE TO RESET THE BCM MAY RESULT IN IN VEHICLE FUNCTIONAL PROBLEMS. SEE MANUAL FOR BCM RESET PROCEDURE

PRESS ENTER KEY

BCM RESET IS VERY SIMPLE:

AFTER READING THE PIN AND PRECODING DATA DISCONNECT POWER TO BCM MODULE OR TO MAIN VEHICLE BATTERY FOR 1 MINUTE.
DO THIS AFTER COMPLETING THESE STEPS HERE....

READ PIN / PRECODE

SWITCH IGNITION OFF

PRESS ENTER KEY

READ PIN / PRECODE

PLEASE WAIT
THIS CAN TAKE UP TO 5 MINUTES
ENSURE IGNITION IS OFF

PRESS ENTER KEY

READ PIN / PRECODE

ID46_FT CAN
ISO CODE: FF A4 F3 6D

PINCODE : 12345

4F -AB - 66- 5A - F6 - F3
0D 760 BA B0
1F 8A DB 89

PRESS ENTER KEY

WRITE DOWN ALL THE PIN INFO FOR USE LATER IN KEY PROGRAMMING....

FIAT 500L & DODGE PROMASTER (full size)
PIN READ / PRECODE TRANSPONDER

Use this method to READ PIN / PRECODE TRANSPONDER with Smart Aerial - CONTINUED

READ PIN / PRECODE

ISO CODE: FF A4 00 F3 6D
PINCODE: 12345

PRESS ENTER KEY



CODING DATA

INSERT A BLANK ID46 TRANSPONDER INTO THE SMART AERIAL / RW4 / FAST COPY

PRESS ENTER KEY

CODING DATA

TRANSPONDER CODING SUCCESSFUL

PRESS ENTER KEY

STOP OR CONTINUE CODING MORE TRANSPONDERS.....

PROGRAMMING COMPLETE.
DO YOU WANT TO PROGRAM ANOTHER TRANSPONDER?

X ✔

SWITCH AD100PRO OFF

RESET BCM

NOW RESET THE BCM BEFORE MOVING ON TO KEY PROGRAMMING

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FIAT 500L & DODGE PROMASTER (full size)
PROGRAM KEYS

Use this method to PROGRAM KEYS

START HERE:

Select:



USE OF THIS SOFTWARE REQUIRES SMART DONGLE

+FIAT (USA)
+BY VEHICLE
+500L / +199 or
+500 / +312 (pick the car your are working on
+2012 etc.
+IMMOBILISER

READ PIN / PRECODE

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

VIN ; ZFA199900005084366
ISO CODE: FF A4 00 F3 6D

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

PRESS ENTER KEY

DIAGNOSTIC MENU

> PROGRAM KEYS
KEY INFORMATION

PROGRAM KEYS

KEYS NOT AVAILABLE
WILL BE DELETED AND
CANNOT BE USED AGAIN

PRESS ENTER KEY

If there are any other keys to the car out there, they must be present or they will be deleted forever. They can never be programmed back in, NEVER.

SECURITY CODE

_ _ _ _ _

1	2	3	4	5
6	7	8	9	0

Enter the PIN Code to the car.

SECURITY CODE

6 4 4 7 7
(This is just an example)

X ✔

PROGRAM KEYS

KEY: 01
KEY - WITH REMOTE

PRESS ENTER KEY

FIAT 500L & DODGE PROMASTER (full size)
PROGRAM KEYS

Use this method to PROGRAM KEYS

START HERE:
Select:



USE OF THIS SOFTWARE REQUIRES SMART DONGLE

+FIAT (USA)
+BY VEHICLE
+500
+199
+2012
+IMMOBILISER

READ PIN / PRECODE

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

VIN ; ZFA199900005084366
ISO CODE: FF A4 00 F3 6D

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

PRESS ENTER KEY

DIAGNOSTIC MENU

> PROGRAM KEYS
KEY INFORMATION

PROGRAM KEYS

KEYS NOT AVAILABLE
WILL BE DELETED AND
CANNOT BE USED AGAIN

PRESS ENTER KEY

If there are any other keys to the car out there, they must be present or they will be deleted forever. They can never be programmed back in, NEVER.

SECURITY CODE

_ _ _ _ _

1	2	3	4	5
6	7	8	9	0

Enter the PIN Code to the car.

SECURITY CODE

6 4 4 7 7
(This is just an example)

X ✔

PROGRAM KEYS

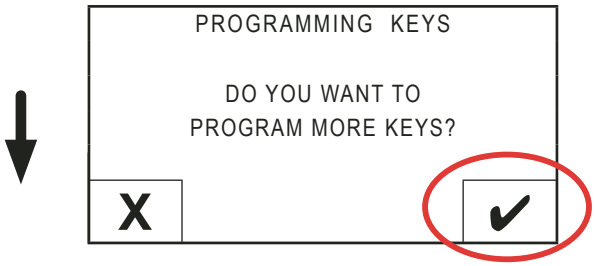
KEY: 01
KEY - WITH REMOTE

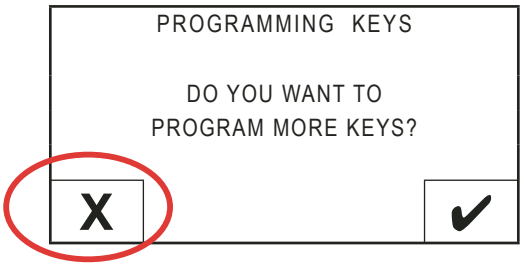
PRESS ENTER KEY

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FIAT 500L & DODGE PROMASTER (full size)
PROGRAM KEYS

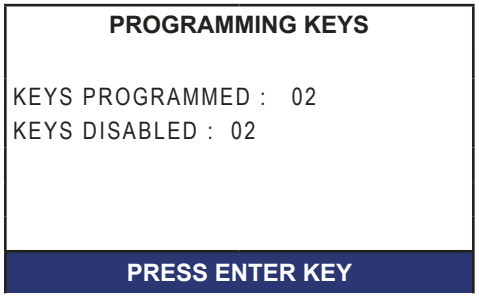
Use this method to PROGRAM KEYS - CONTINUED





At this point you must program any other existing keys or they will deleted forever.

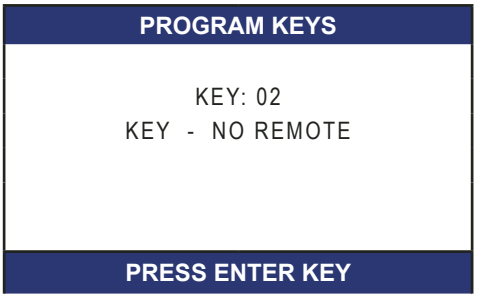
HERE FOR THIS EXAMPLE KEY NO 1 WAS A OEM KEY WITH REMOTE.
NOW LET'S CONTINUE AND PROGRAM A TRANSPONDER IN A SHELL & NO REMOTE.





ALL DONE, TEST ALL KEYS.....





FIAT 500 & DODGE PROMASTER CITY PROGRAM KEYS





SPECIAL FUNCTIONS

Program Keys

This is a guided software. Follow the prompts

Software will Read the Pin Code & the Precoding data for the transponder. Allows the ADC-242 Smart Aerial to precode a chip which prepares it for programming. The Rw4 can also be used with ADC-243 cable.

Programs only keys used during the procedure.

Warning: Deleted Keys can NEVER be added back in!

Unlike 500L and PROMASTER FULL SIZE FIAT 500 & Promaster City does NOT require a BCM RESET

T-CODE SOFTWARE #

ADS-258

CABLE / DONGLE:

ADC-250 / ADC- 251

MAX # OF KEYS:

8

SMART DONGLE?

YES - Required

KEYS:

Software can precode a transponder Use an SIP22 shell and a virgin 46 chip.

RKE keys ordered by VIN can be programmed.

At present time it's not possible to code a virgin OEM RKE key. This functionality We hope to have added soon.

SECURITY:

SECURITY:
Software reads PIN CODE & Precoding data.

SMART AERIAL?

YES



MATCHING CAPABILITY?

NONE
DEALER EQUIPMENT NEEDED TO MATCH COMPONENTS IF CHANGED

SECURITY LIGHT / THEFT INDICATOR:

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

TIPS:

TIPS: Make sure you have ALL the keys you want to program ready.

MORE INFO:

***WARNINGS:* - READ THESE OR BE SORRY LATER!**

FACTORY ALARM - Some 2 door models require BCM replacement if the alarm is tripped and no programmed keys are available. Unfortunately, this remains true even using the new software.

KEYS - All the keys you want to program must be present.

If there are any other keys to the car out there, they must be present or they will be deleted forever. They can never be programmed back in, EVER. Once deleted, they might as well be paper weights

FIAT 500 & DODGE PROMASTER CITY
PROGRAM KEYS

Use this method to:
READ PIN CODE / PRECODE TRANSPONDER PROGRAM KEYS

START HERE:

Select:

+FIAT (USA)
+BY VEHICLE
+500
+312
+2012
+IMMOBILISER



USE OF THIS SOFTWARE REQUIRES SMART DONGLE

DIAGNOSTIC MENU

>PROGRAM KEYS

PRESS ENTER KEY

PROGRAMMING KEYS

DO YOU WANT TO PROGRAM A BLANK TRANSPONDER OR READ THE PIN CODE

X ✔

SWITCH IGNITION ON

PRESS ENTER KEY

PROGRAM KEYS

SWITCH IGNITION OFF
REMOVE KEY

PRESS ENTER KEY

ECU IDENTIFICATION

IMMOBILIZER

12 44 AD 12 47 5A 2C

PRESS ENTER KEY

READ PIN / PRECODE

ID46_FT CAN
ISO CODE: FF A4 F3 6D

PINCODE : 12345

4F -AB - 66- 5A - F6 - F3
0D 760 BA B0
1F 8A DB 89

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

PRESS ENTER KEY

FIAT 500 & DODGE PROMASTER CITY
PROGRAM KEYS

Use this method to:
READ PIN CODE / PRECODE TRANSPONDER PROGRAM KEYS
- CONTINUED

PROGRAMMING KEYS

ALL AFTERMARKET KEYS WILL HAVE TO HAVE BLANK TRANSPONDERS THAT REQUIRE PRECODING

DO YOU WANT TO PRECODE ANY BLANK TRANSPONDERS?

X ✔

CODING DATA

INSERT A BLANK ID46 TRANSPONDER INTO THE SMART AERIAL / RW4 / FAST COPY

PRESS ENTER KEY

CODING DATA

TRANSPONDER CODING SUCCESSFUL

PRESS ENTER KEY

PROGRAMMING COMPLETE.
DO YOU WANT TO PROGRAM ANOTHER BLANK TRANSPONDER?

X ✔

UNLESS YOU HAVE MORE TRANSPONDERS TO PRECODE SELECT NO (X)

PROGRAM KEYS

SWITCH IGNITION OFF
REMOVE KEY

PRESS ENTER KEY

PROGRAMMING KEYS

DO YOU HAVE A DEALER KEY?

X ✔

SWITCH IGNITION ON

PRESS ENTER KEY

PROGRAMMING KEY

KEYS NOT AVAILABLE
WILL BE DELETED AND
CANNOT BE USED AGAIN

PRESS ENTER KEY

PLEASE WAIT
. . . . . .

PRESS ENTER KEY

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FIAT 500 & DODGE PROMASTER CITY
PROGRAM KEYS

Use this method to:
READ PIN CODE / PRECODE TRANSPONDER PROGRAM KEYS
- CONTINUED

PROGRAMMING KEYS

YOU WANT TO PROGRAM ANOTHER KEY

X ✔

IF YOU HAVE MORE KEYS TO PROGRAM

SELECT YES ✔

PROGRAMMING KEY

REMOVE KEY
INSERT NEXT KEY
SWITCH IGNITION ON

PRESS ENTER KEY

PLEASE WAIT.....

PRESS ENTER KEY

PROGRAM KEYS

SWITCH IGNITION OFF
REMOVE KEY

PRESS ENTER KEY

SWITCH IGNITION ON

PRESS ENTER KEY

PROGRAM KEYS

KEYS PROGRAMMED : 2

PRESS ENTER KEY

ALL DONE, TEST ALL KEYS.....

FIAT TRANSPONDER PRECODING USING RW4 / FAST COPY & ADC-243 CABLE

Use this method to connect RW4 / Fast Copy

The ADC-243 connection cable is a great alternative to the Smart Aerial for those that already own an RW4 / FAST COPY and want to do FIAT.

1		7	 This alternative method to power the RW4 might be very useful out in a vehicle.
2		8	
3		9	
4		10	
5		11	
6		12	

FORD
LINCOLN
MERCURY
SECTION



MVP U.S. Patent #7315238

T-CODE SOFTWARE PACKS:

Ford Basic USA (ADS-100)

Ford 2011 (ADS-175)

Ford USA 2010 (ADS-172)

Ford / Mazda Parameter Reset (ADS-190)

Ford USA 2013 (ADS-209)

Mazda CAN (ADS-133)

Ford 2016 (ADS-257)

(ADS-133 is needed for FORD 10-MIN BYPASS)

(Software names generally refer to the date of release on the T-CODE not the years of vehicles covered).

Find a Sales Representative Near You

2003-2006 AVIATOR (Lincoln) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	PCM	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

2002 BLACKWOOD (Lincoln) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H72-PT 	HEC	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

2013-2016 C-MAX (Ford) with Proximity START Button Ignition — ADS-209

PROX	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
OEM 164-R8048 STRATTEC 5918818	Select by Vehicle	Yes	No	NO	Change between steps
These vehicles require a 2 step procedure- MVP will need 2 tokens, 1 for Transponder, 1 for Prox Add & or Erase functions are available, 2 Proximity remotes are required if using erase.					
STEP #1	Proximity Functions		NO	Requires 10min	**L**-Pink Or SD
STEP #2	Transponder Functions		NO	Requires 10min	**G**-Tan Or SD

2013-2014 C-MAX ENERGI (Ford) with Proximity START Button Ignition — ADS-209

PROX	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
OEM 164-R7995 STRATTEC 5923790 -3790	Select by Vehicle	Yes	No	NO	Change between steps
These vehicles require a 2 step procedure- MVP will need 2 tokens, 1 for Transponder, 1 for Prox Add & or Erase functions are available, 2 Proximity remotes are required if using erase.					
STEP #1	Proximity Functions		NO	Requires 10min	**L**-Pink Or SD
STEP #2	Transponder Functions		NO	Requires 10min	**G**-Tan Or SD
Perform the L dongle procedure first on C-MAX					

2013-2016 C-MAX (Ford) with KEY Type Ignition — ADS-209

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H94-PT	Select by Vehicle	Yes	No	NO	**G**-Tan Or SD

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2017 CONTINENTAL (LINCOLN) WITH PROXIMITY START BUTTON IGNITION — ADS-209

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM PROX REMOTE	Select by Vehicle	Yes	SEE BELOW	NO	**G**-Tan Or SD

A STAND ALONE BYPASS IS NOW AVAILABLE USING SMART DONGLE!
Without Smart Dongle or in some cases when the alarm has been tripped Requires Web Access, Advanced-Diagnostics.Com login and a valid N.A.S.T.F. -LS ID & AD Q/R APP for SmartPhones is recommended

1998-2002 CONTINENTAL (LINCOLN) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H72-PT 	VIC	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

Split Year

1999-2000 CONTOUR (FORD) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H73-PT 	PCM	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

Note: Transponder optional. Most Contour's with V-6 Engine's have it. Overlapping immobilizer types.

1997-1998 CONTOUR (FORD) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H73-PT 	PATS 1	Yes	No	8 MIN Wait	**A**-Black Or SD

Note: Production Date of 02/02/98 & up models use PCM system. Transponder optional.

1999-2002 COUGAR (MERCURY) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H73-PT 	PCM	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

NOTE: We have seen a few instances on this model, where following an ERASE just cycling the keys would not allows keys back in. The solution was to run ADD KEY using each key until 2 are programmed. It's possible you may need to run ADD key twice on each key before they program.

2005-2011 CROWN VICTORIA (FORD) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	PATS 3	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

Note: Some 2011 Crown Vic's were made. Most were Police Cruisers and do not have a Transponder System.

2003-2004 CROWN VICTORIA (Ford) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	PCM	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

1998-2002 CROWN VICTORIA (Ford) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H72-PT 	PATS 2	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

2010-2013 E SERIES VAN (Ford) Econoline — ADS-172

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	Select by Vehicle	Yes	No	10 MIN Wait	**A**-Black Or SD

Note: Transponder system was optional.

2008-2009 E SERIES VAN (Ford) Econoline — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	PATS 4 / 5*	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

*Select PATS 5 if using Bypass

Note: Transponder system was optional.

2015-2016 EDGE (Ford) with Proximity START Button Ignition — ADS-209

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM PROX REMOTE	Select by Vehicle	Yes	SEE BELOW	NO	**G**-Tan Or SD

A STAND ALONE BYPASS IS NOW AVAILABLE USING SMART DONGLE!
Without Smart Dongle or in some cases when the alarm has been tripped Requires Web Access, Advanced-Diagnostics.Com login and a valid N.A.S.T.F. -LS ID & AD Q/R APP for SmartPhones is recommended

2011-2014 EDGE (Ford) with Proximity START Button Ignition — ADS-172

STRATTEC	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
5921285 - 4-Btn Prox 5921286 - 5-Btn Prox 5912345 - Emerg Key	Select by Vehicle	Yes	No	10 MIN Wait	**L**-Pink Or SD

Note: Dealer Prox Remote Fobs are available from Strattec.

2011-2014 EDGE (Ford) with KEY Type Ignition — ADS-175

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	Select by Vehicle	Yes	No	10 MIN Wait	**A**-Black Or SD

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2010 EDGE (Ford) — ADS- 172

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	Select by Vehicle	Yes	No	10 MIN Wait	**A**-Black Or SD

2007-2009 EDGE (Ford) — ADS- 100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	PATS 4 / 5*	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

*Select PATS 5 if using Bypass

2017 ESCAPE Titanium (Ford) with Proximity START Button Ignition — ADS-257

PROX	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
OEM PROX CHECK WITH SUPPLIER	Select by Vehicle	Not needed	No	BYPASS	Requires SD

New software requires BETA 12.99 or higher

2013-2016 ESCAPE (Ford) with Proximity START Button Ignition — ADS-209

PROX	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
OEM 164-R8048 STRATTEC 5919918	Select by Vehicle	Yes	No	NO	Change between steps

These vehicles require a 2 step procedure- MVP will need 2 tokens, 1 for Transponder, 1 for Prox
Add & or Erase functions are available, 2 Proximity remotes are required if using erase.

STEP #1	Proximity Functions	NO	Requires 10min	**L**-Pink Or SD
STEP #2	Transponder Functions	NO	Requires 10min	**G**-Tan Or SD

2014-2017 ESCAPE (Ford) with KEY Type Ignition — ADS-209

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H94-PT	Select by Vehicle	Yes	No	NO	**G**-Tan Or SD

2013 ESCAPE (Ford) with KEY Type Ignition — ADS-175

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H94-PT	Select by Vehicle	Yes	No	10 MIN Wait	**G**-Tan Or SD

2009-2012 ESCAPE (FORD) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	PATS 5	Yes	No	10 MIN Wait	**A**-Black Or SD

2008-2012 ESCAPE *HYBRID* (FORD) — ADS-172

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	Select by Vehicle	Yes	No	10 MIN Wait	**A**-Black Or SD

2008 ESCAPE (FORD) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	PATS 4 / 5*	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

*Select PATS 5 if using Bypass

2005-2007 ESCAPE (FORD) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	PATS 3	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

2001-2004 ESCAPE (FORD) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H86-PT 	PCM	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

2000-2005 EXCURSION (FORD) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H72-PT 	PATS 2	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

2015-2017 EXPEDITION (FORD) WITH PROXIMITY START BUTTON IGNITION — ADS-175

STRATTEC	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM PROX REMOTE	Select 2011-2015 Explorer Prox	Yes	No	Yes with SMC & ADS133	**L**-Pink Or SD

2015-2016 EXPEDITION (FORD) WITH KEY TYPE IGNITION — ADS-175

STRATTEC	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
5913341 , 5912512 5912560	Select 2011-2015 Explorer keyed	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

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2012-2014 EXPEDITION (FORD) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
H92-PT 	PATS 5	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

Note: We have found that on these cars ADD-KEY does not work, only use ERASE KEYS.

2009-2011 EXPEDITION (FORD) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
H92-PT 	PATS 5	Yes	No	10 MIN Wait	**A**-Black Or SD

2007-2008 EXPEDITION (FORD) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	PATS 4 / 5*	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

*Select PATS 5 if using Bypass

2005-2006 EXPEDITION (FORD) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	PATS 3	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

2003-2004 EXPEDITION (FORD) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	PCM	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

1999-2002 EXPEDITION (FORD) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H72-PT 	HEC	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

1997-1998 EXPEDITION (FORD) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H72-PT 	PATS 1	Yes	No	8 MIN Wait	**A**-Black Or SD

2016-2017 EXPLORER (FORD) WITH PROXIMITY START BUTTON IGNITION — ADS-209

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM PROX REMOTE	Select by Vehicle	Yes	SEE BELOW	NO	**G**-Tan Or SD

A STAND ALONE BYPASS IS NOW AVAILABLE USING SMART DONGLE!
Without Smart Dongle or in some cases when the alarm has been tripped Requires Web Access, Advanced-Diagnostics.Com login and a valid N.A.S.T.F. -AD Q/R APP for SmartPhones is recommended

2011-2015 EXPLORER (FORD) WITH KEY TYPE IGNITION — ADS-175

STRATTEC	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
5913341 , 5912512 5912560	Select by Vehicle	Yes	No	10 MIN Wait	**A**-Black Or SD

Note: We have found that on these cars ADD-KEY does not work, only use ERASE KEYS.

2011-2015 EXPLORER (FORD) WITH PROXIMITY START BUTTON IGNITION — ADS-172

STRATTEC	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
5921285 - 4-Btn Prox 5921286 - 5-Btn Prox 5912345 - Emerg Key	Select by Vehicle	Yes	No	10 MIN Wait	**L**-Pink Or SD

2010 EXPLORER (FORD) — ADS-172

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
H92-PT 	Select by Vehicle	Yes	No	10 MIN Wait	**A**-Black Or SD

2006-2009 EXPLORER (FORD) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	PATS 4 / 5*	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

*Select PATS 5 if using Bypass

2004-2005 EXPLORER (FORD) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	PATS 3	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

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Split Year

2001-2003 EXPLORER (FORD) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	PCM	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

IMPORTANT: Model Year 2001 is split year - Overlapping immobilizer types & keys. Use the production date.
Usually up to 07/2000 production date is PATS 2. After 07/2000 is PCM. (SEE BELOW)

READ THIS BEFORE CUTTING ANY KEYS!
Look at the existing original keys to the vehicle.
If the original key is an H84 key, the system to use is PCM.
If the original key is an H-72 key then the system is PATS 2.

IF NO KEY IS AVAILABLE WE SUGGEST DOING THIS:
Have at least 2 of each H72 and H84 Key Blanks ready but DO NOT CUT THEM YET.

A. Cut and use **only a metal non transponder work key**.
B. Using the PROD DATE (see above) use the system you "think it should be" based on the PROD DATE.
C. **Before doing any programming look at "KEYS PROGRAMMED" on the special functions menu.** (should show at least 2 keys)
D. **Use "CLEAR ERASE PATS"** and then look at the "KEYS PROGRAMMED" info again to see if the keys have been erased. (should now show 0 KEYS PROGRAMMED). If keys have not erased use the other system. IE PATS 2 or PCM.
E. **When you have determined which system will ERASE the keys you then will know which type of keys to cut. Now cut and cycle them in to program.**
F. If PATS 2 system then simply cut and cycle 2 H72 Keys. If PCM system cut and cycle 2 H84 keys.

1998-2001 EXPLORER (FORD) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H72-PT 	PATS 2	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

Note: Model Year 2001 is split year - Overlapping immobilizer types & keys. Use the production date.
Usually up to 07/2000 production date is PATS 2. After 07/2000 is PCM. (SEE ABOVE)

2010 EXPLORER SPORT TRAC (FORD) — ADS-172

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	Select by Vehicle	Yes	No	10 MIN Wait	**A**-Black Or SD

2006-2009 EXPLORER SPORT TRAC (FORD) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	PATS 4 / 5*	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

*Select PATS 5 if using Bypass

2001-2005 EXPLORER SPORT TRAC (FORD) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	PCM	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

IMPORTANT: Model Year 2001 is split year - Overlapping immobilizer types & keys. Use the production date. **Usually up to 07/2000 production date is PATS 2. After 07/2000 is PCM.** (SEE BELOW)

READ THIS BEFORE CUTTING ANY KEYS!
Look at the existing original keys to the vehicle.
If the original key is an H84 key, the system to use is PCM.
If the original key is an H-72 key then the system is PATS 2.

IF NO KEY IS AVAILABLE WE SUGGEST DOING THIS:
Have at least 2 of each H72 and H84 Key Blanks ready but DO NOT CUT THEM YET.

A. Cut and use **only a metal non transponder work key**.
B. Using the PROD DATE (see above) use the system you "think it should be" based on the PROD DATE.
C. **Before doing any programming look at "KEYS PROGRAMMED" on the special functions menu.** (should show at least 2 keys)
D. **Use "CLEAR ERASE PATS"** and then look at the "KEYS PROGRAMMED" info again to see if the keys have been erased. (should now show 0 KEYS PROGRAMMED). If keys have not erased use the other system. IE PATS 2 or PCM.
E. **When you have determined which system will ERASE the keys you then will know which type of keys to cut. Now cut and cycle them in to program.**
F. If PATS 2 system then simply cut and cycle 2 H72 Keys. If PCM system cut and cycle 2 H84 keys.

Split Year

EARLY 2001 EXPLORER SPORT TRAC (FORD) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H72-PT 	PATS 2	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

Note: Model Year 2001 is split year - Overlapping immobilizer types & keys. Use the production date. Usually up to 07/2000 production date is PATS 2. After 07/2000 is PCM.

2017 F150 (FORD) WITH KEYED IGNITION — ADS-209

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM KEY OR PROX REMOTE	Select by Vehicle	Yes	SEE BELOW	NO	**G**-Tan Or SD

A STAND ALONE BYPASS IS NOW AVAILABLE USING SMART DONGLE!
Without Smart Dongle or in some cases when the alarm has been tripped Requires Web Access, Advanced-Diagnostics.Com login and a valid N.A.S.T.F. -AD Q/R APP for SmartPhones is recommended

2015-2016 F150 (FORD) WITH PROXIMITY START BUTTON IGNITION — ADS-209

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM KEY OR PROX REMOTE	Select by Vehicle	Yes	SEE BELOW	NO	**G**-Tan Or SD

A STAND ALONE BYPASS IS NOW AVAILABLE USING SMART DONGLE!
Without Smart Dongle or in some cases when the alarm has been tripped Requires Web Access, Advanced-Diagnostics.Com login and a valid N.A.S.T.F. -AD Q/R APP for SmartPhones is recommended

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2015-2016 F150 (Ford) with Keyed Ignition — ADS-209

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM KEY OR PROX REMOTE	Select by Vehicle	Yes	SEE BELOW	NO	**G**-Tan Or SD

A STAND ALONE BYPASS IS NOW AVAILABLE USING SMART DONGLE!
Without Smart Dongle or in some cases when the alarm has been tripped Requires Web Access, Advanced-Diagnostics.Com login and a valid N.A.S.T.F. -AD Q/R APP for SmartPhones is recommended

2011-2014 F150 (Ford) — ADS-175

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	Select by Vehicle	Yes	No	10 MIN Wait	**A**-Black Or SD

Note: ON-BOARD PROGRAMMING A SEPARATE REMOTE IS NEEDED IF FACTORY ALARM IS ACTIVATED

2009-2010 F150 (Ford) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	PATS 5	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

2004-2008 F150 (Ford) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	PATS 3	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

2004 F150 HERITAGE (Ford) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H72-PT 	HEC	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

2001-2003 F150 (Ford) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H72-PT 	HEC	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

1999-2000 F150 / F250 (Ford) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H72-PT 	HEC	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

2017 F250 / F350 / F450 / F550 Super Duty (Ford) with Keyed Ignition — ADS-209

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM KEY	Select by Vehicle	Yes	SEE BELOW	NO	**G**-Tan Or SD

A STAND ALONE BYPASS IS NOW AVAILABLE USING SMART DONGLE!
Without Smart Dongle or in some cases when the alarm has been tripped Requires Web Access, Advanced-Diagnostics.Com login and a valid N.A.S.T.F. -AD Q/R APP for SmartPhones is recommended

2011-2016 F250 / F350 / F450 / F550 Super Duty (Ford) — ADS-175

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
H92-PT 	Select by Vehicle	Yes	No	10 MIN Wait	**A**-Black Or SD

2010 F250 / F350 / F450 / F550 Super Duty (Ford) — ADS-172

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
H92-PT 	Select by Vehicle	Yes	No	10 MIN Wait	**A**-Black Or SD

Note: Transponder system was optional.

2009 F250 / F350 / F450 Super Duty (Ford) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	PATS 5	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

Note: Optional Transponder System - Not found on Fleet models - Models without chip still have Security Light in dash. If transponder equipped - it may program under PATS 4 or PATS 5.

2008 F250 / F350 / F450 Super Duty (Ford) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	PATS 4 / 5*	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

Note: Optional Transponder System - Not found on Fleet models - Models without chip still have Security Light in dash. If transponder equipped - *Select PATS 5 if using Bypass

2014-2016 FIESTA (Ford) with Proximity START Button Ignition — ADS-209

PROX	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
OEM 164-R8048 STRATTEC 5919918	Select by Vehicle	Yes	No	NO	**L**-Pink Or SD

14 Fiesta Prox is a 1 step procedure- MVP will need just 1 token for both the Transponder & the Prox.
Add & or Erase functions are available, 2 Proximity remotes are required if using erase.

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2011-2013 FIESTA (Ford) with Proximity START Button Ignition — ADS-175

PROX	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
OEM 164-R8048 STRATTEC 5919918	Select by Vehicle	Yes	No	Yes with SMC & ADS133	**L**-Pink Or SD

Note: This vehicle requires Smart Card Calculator (SMC) Enabled, but is not used.

2014-2016 FIESTA (Ford) with KEY Type Ignition — ADS-209

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H94-PT	Select by Vehicle	Yes	No	NO	**G**-Tan Or SD

2011-2013 FIESTA (Ford) with KEY Type Ignition — ADS-175

STRATTEC	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
5915237 - Non Rmt Master 5913139 - Remote Section 5912976 - Key Section	Select by Vehicle	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

Note: This vehicle also use's a Dealer Remote Head Key. High Security 2-Track keyway.
This vehicle also requires Smart Card Calculator (SMC) Enabled, but is not used.

2005-2007 FIVE HUNDRED (500) (Ford) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	PATS 3	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

2013-2014 FLEX (Ford) with Proximity START Button Ignition — ADS- 172

STRATTEC	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
5921285 - 4-Btn Prox 5921286 - 5-Btn Prox 5912345 - Emerg Key	Select by Vehicle	Yes	No	10 MIN Wait	**L**-Pink Or SD

2013-2014 FLEX (Ford) with KEY Type Ignition — ADS- 172

STRATTEC	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
5913441 or 5918897	Select by Vehicle	Yes	No	10 MIN Wait	**A**-Black Or SD

2010-2012 FLEX (Ford) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
H92-PT 	PATS 5	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

2009 FLEX (FORD) — ADS- 100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	PATS 4 / 5*	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

*Select PATS 5 if using Bypass

2014-2016 FOCUS ST (FORD) WITH PROXIMITY START BUTTON IGNITION — ADS-257

PROX	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
OEM PROX CHECK WITH SUPPLIER	Select by Vehicle	Not needed	No	BYPASS	Requires SD

PROX learning slot located in Center Console. New software requires BETA 12.99 or higher

2015-2016 FOCUS TITANIUM (FORD) WITH PROXIMITY START BUTTON IGNITION — ADS-257

PROX	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
OEM PROX CHECK WITH SUPPLIER	Select by Vehicle	Not needed	No	BYPASS	Requires SD

PROX learning slot located in Center Console. New software requires BETA 12.99 or higher

2014 FOCUS (FORD) WITH PROXIMITY START BUTTON IGNITION — ADS-209

PROX	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
OEM PROX CHECK WITH SUPPLIER	Select by Vehicle	Yes	No	NO	Change between steps

These vehicles require a 2 step procedure- MVP will need 2 tokens, 1 for Transponder, 1 for Prox
Add & or Erase functions are available, 2 Proximity remotes are required if using erase.

STEP #1	Proximity Functions	NO	Requires 10min	**L**-Pink Or SD
STEP #2	Transponder Functions	NO	Requires 10min	**G**-Tan Or SD

NOTE: Excludes 2014> FOCUS ST models

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2012-2013 FOCUS (FORD) WITH PROXIMITY START BUTTON IGNITION — ADS-209

PROX	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
OEM 164-R8048 STRATTEC 5919918	Select by Vehicle	Yes	No	NO	Change between steps
These vehicles require a 2 step procedure- MVP will need 2 tokens, 1 for Transponder, 1 for Prox Add & or Erase functions are available, 2 Proximity remotes are required if using erase.					
STEP #1	Proximity Functions	NO		Requires 10min	**L**-Pink Or SD
STEP #2	Transponder Functions	NO		Requires 10min	**G**-Tan Or SD

2014-2017 FOCUS (FORD) WITH KEY TYPE IGNITION — ADS-209

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H94-PT	Select by Vehicle	Yes	No	NO	**G**-Tan Or SD

2012-2013 FOCUS (FORD) WITH KEY TYPE IGNITION — ADS-175

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
H94-PT	Select by Vehicle	Yes	No	10 MIN Wait	**G**-Tan Or SD

2008-2011 FOCUS (FORD) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
H92-PT 	PATS 5	Yes	No	10 MIN Wait	**A**-Black Or SD

2006-2007 FOCUS (FORD) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	PATS 3	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

2005 FOCUS (FORD) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H86-PT 	PATS 3	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

2003-2004 FOCUS (FORD) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H86-PT 	See Notes	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

Note: PCM system for 2.0 litre Engines (Non PZEV)
Note: PATS 3 system for 2.3 litre Engines (PZEV)

2000-2002 FOCUS (FORD) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H86-PT 	PCM	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

2004-2007 FREESTAR (FORD) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	2004-05 PCM ---------- 2006-07 PATS 3	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

2005-2007 FREESTYLE (FORD) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	2004-05 PCM ---------- 2006-07 PATS 3	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

2013-2017 FUSION (FORD) WITH KEY TYPE IGNITION — ADS-209

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM REMOTE HEAD KEY	Select by Vehicle	Yes	SEE BELOW	NO	**G**-Tan Or SD

A STAND ALONE BYPASS IS NOW AVAILABLE USING SMART DONGLE!
Without Smart Dongle or in some cases when the alarm has been tripped Requires Web Access, Advanced-Diagnostics.Com login and a valid N.A.S.T.F. -LS ID & AD Q/R APP for SmartPhones is recommended

2013-2017 FUSION (FORD) WITH PROXIMITY START BUTTON IGNITION — ADS-209

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM PROX REMOTE	Select by Vehicle	Yes	SEE BELOW	NO	**G**-Tan Or SD

A STAND ALONE BYPASS IS NOW AVAILABLE USING SMART DONGLE!
Without Smart Dongle or in some cases when the alarm has been tripped Requires Web Access, Advanced-Diagnostics.Com login and a valid N.A.S.T.F. -LS ID & AD Q/R APP for SmartPhones is recommended

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2010-2012 FUSION (FORD) — ADS-172

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
H92-PT 	Select by Vehicle	Yes	No	10 MIN Wait	**A**-Black Or SD

2010-2012 FUSION *HYBRID* (FORD) — ADS-172

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
H92-PT 	Select by Vehicle	Yes	No	10 MIN Wait	**A**-Black Or SD

2006-2009 FUSION (FORD) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	PATS 4 / 5*	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

*Select PATS 5 if using Bypass

2005-2011 GRAND MARQUIS (MERCURY) — ADS- 100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	PATS 3	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

2003-2004 GRAND MARQUIS (MERCURY) — ADS- 100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	PCM	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

1998-2002 GRAND MARQUIS (MERCURY) — ADS- 100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H72-PT 	PATS 2	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

2005-2006 FORD GT (FORD) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H72-PT 	PATS 2	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

2003-2006 LS (LINCOLN) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	ICM	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

2000-2002 LS (Lincoln) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H74-PT 	ICM	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

2003-2004 MARAUDER (Mercury) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	PCM	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

2009-2011 MARINER (Mercury) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	PATS 5	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

2008 MARINER (Mercury) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	PATS 4 / 5*	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

*Select PATS 5 if using Bypass

2005-2007 MARINER (Mercury) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	PATS 3	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

2008-2008 MARK LT (Lincoln) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	PATS 4 / 5*	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

*Select PATS 5 if using Bypass

2006-2007 MARK LT (Lincoln) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	PATS 3	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

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1997-1998 MARK VIII (8) (LINCOLN) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
691641	SCIL	Yes	No	8 MIN Wait	**A**-Black Or SD

Note: See 'Special Note' about programming the MARK VIII - in Manual. You must use the Strattec 691641 - there is no substitute.

2010-2011 MILAN (MERCURY) HYBRID — ADS-172

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
H92-PT 	Select FORD FUSION 2010 HYBRID	Yes	No	10 MIN Wait	**A**-Black Or SD

2010-2011 MILAN (MERCURY) W/ GASOLINE ENGINE — ADS-172

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
H92-PT 	Select by Vehicle	Yes	No	10 MIN Wait	**A**-Black Or SD

2006-2009 MILAN (MERCURY) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
H92-PT 	PATS 4 / 5*	Yes	No	10 MIN Wait	**A**-Black Or SD

*Select PATS 5 if using Bypass

2015-2017 MKC (LINCOLN) WITH PROXIMITY START BUTTON IGNITION — ADS-209

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM PROX REMOTE	Select by Vehicle	Yes	SEE BELOW	NO	**G**-Tan Or **SD**

A STAND ALONE BYPASS IS NOW AVAILABLE USING SMART DONGLE!
Without Smart Dongle or in some cases when the alarm has been tripped Requires Web Access, Advanced-Diagnostics.Com login and a valid N.A.S.T.F. -AD Q/R APP for SmartPhones is recommended

2010-2013 MKS (LINCOLN) WITH PROXIMITY START BUTTON IGNITION — ADS-172

STRATTEC	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
7012479 - *Prox & Key* 5912477 - *Prox* 5911175 - *Key*	Select by Vehicle	Yes	No	10 MIN Wait	**L**-Pink Or SD

2009 MKS (LINCOLN) WITH KEY TYPE IGNITION — ADS-172

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
H92-PT 	Select by Vehicle	Yes	No	10 MIN Wait	**A**-Black Or SD

2010-2012 MKT (Lincoln) with Proximity START Button Ignition — ADS-172

STRATTEC	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
7012479 - *Prox & Key* 5912477 - *Prox* 5911175 - *Key*	Select by Vehicle	Yes	No	10 MIN Wait	**L**-Pink Or SD

Note: All MKT are Prox.

2011-2014 MKX (Lincoln) with Proximity START Button Ignition — ADS-172

STRATTEC	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
5921288 - Prox Remote 5912345 - Emerg Key	Select by Vehicle	Yes	No	10 MIN Wait	**L**-Pink Or SD

2007-2010 MKX (Lincoln) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	PATS 4 / 5*	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

*Select PATS 5 if using Bypass

2013-2017 MKZ (Lincoln) with Proximity START Button Ignition — ADS-209

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM PROX REMOTE	Select by Vehicle	Yes	SEE BELOW	NO	**G**-Tan Or SD

A STAND ALONE BYPASS IS NOW AVAILABLE USING SMART DONGLE!
Without Smart Dongle or in some cases when the alarm has been tripped Requires Web Access, Advanced-Diagnostics.Com login and a valid N.A.S.T.F. -AD Q/R APP for SmartPhones is recommended

2010-2012 MKZ (Lincoln) — ADS-172

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
H92-PT 	Select by Vehicle	Yes	No	10 MIN Wait	**A**-Black Or SD

2007-2009 MKZ (Lincoln) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	PATS 4 / 5*	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

*Select PATS 5 if using Bypass

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2005-2007 MONTEGO (MERCURY) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	2005-06 PATS 3 --- 2007 PATS 4 / 5*	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

*2007-Select PATS 5 if using Bypass

2004-2007 MONTEREY (MERCURY) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	2004-05 PCM --- 2006-2007 PATS 3	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

2010-2010 MOUNTAINEER (MERCURY) — ADS-172

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
H92-PT 	Select by Vehicle	Yes	No	10 MIN Wait	**A**-Black Or SD

2004-2009 MOUNTAINEER (MERCURY) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	2004-05 PATS 3 --- 2006-09 PATS 4 / 5*	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

*2006-2009-Select PATS 5 if using Bypass

2001-2003 MOUNTAINEER (MERCURY) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	PCM	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

IMPORTANT: Model Year 2001 is split year - Overlapping immobilizer types & keys. Use the production date. Usually up to 07/2000 production date is PATS 2. After 07/2000 is PCM. (SEE BELOW)

READ THIS BEFORE CUTTING ANY KEYS!

Look at the existing original keys to the vehicle.
If the original key is an H84 key, the system to use is PCM.
If the original key is an H-72 key then the system is PATS 2.

IF NO KEY IS AVAILABLE WE SUGGEST DOING THIS:

A. Cut and use **only a metal non transponder work key**.
B. Using the PROD DATE (see not above) use the system you "think it should be" based on the PROD DATE.
C. **Before doing any programming look at "KEYS PROGRAMMED" on the special functions menu.** (should show at least 2 keys)
D. **Use "CLEAR ERASE PATS"** and then look at the "KEYS PROGRAMMED" info again to see if the keys have been erased. (should now show 0 KEYS PROGRAMMED).
E. **When you have determined which system will ERASE the keys you then will know which type of keys to cut.**
F. If PATS 2 then cut and cycle 2 H72 Keys. If PCM cut and cycle 2 H84 keys.

Split Year

1998-2001 MOUNTAINEER (MERCURY) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H72-PT 	PATS 2	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

Note: Model Year 2001 is split year - Overlapping immobilizer types & keys. Use the production date. Usually up to 07/2000 production date is PATS 2. After 07/2000 is PCM.

2015-2017 MUSTANG (FORD) WITH PROXIMITY START BUTTON IGNITION — ADS-209

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM KEY OR PROX REMOTE	Select by Vehicle	Yes	SEE BELOW	NO	**G**-Tan Or SD

A STAND ALONE BYPASS IS NOW AVAILABLE USING SMART DONGLE!
Without Smart Dongle or in some cases when the alarm has been tripped Requires Web Access, Advanced-Diagnostics.Com login and a valid N.A.S.T.F. -AD Q/R APP for SmartPhones is recommended

2010-2014 MUSTANG (FORD) — ADS-172

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
H92-PT 	Select by Vehicle	Yes	No	10 MIN Wait	**A**-Black Or SD

Note: OEM Keys are stamped "HA" or "SA" (80-bit).

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2005-2009 MUSTANG (FORD) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	Select by Vehicle	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

1999-2004 MUSTANG (FORD) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H72-PT 	HEC	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

1998 MUSTANG (FORD) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H72-PT 	PATS 2	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

Split Year

1996-1997 MUSTANG (FORD) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
H72-PT 	PATS 1	Yes	No	8 MIN Wait	**A**-Black Or SD

Note: 1996 is split year - It could use either type of transponder keyway. (8-cut or 10-cut) Optional System.

1996 MUSTANG (FORD) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
H73-PT 	PATS 1	Yes	No	8 MIN Wait	**A**-Black Or SD

Note: 1996 is split year - It could use either type of transponder keyway. (8-cut or 10-cut) Optional System.

Split Year

1999-2000 MYSTIQUE (MERCURY) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H73-PT 	PCM	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

Note: Transponder optional. Most Contour's with V-6 Engine's have it. Overlapping immobilizer types.

1997-1998 MYSTIQUE (MERCURY) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H73-PT 	PATS 1	Yes	No	8 MIN Wait	**A**-Black Or SD

Note: Production Date of 02/02/98 & up models use PCM system. Transponder optional.

2015 NAVIGATOR (LINCOLN) WITH PROXIMITY START BUTTON IGNITION — ADS-172

OEM	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
OEM PROX REMOTE	Select 2013 Explorer PROX	Yes	No	NO	**L**-Pink Or SD

2012-2014 NAVIGATOR (LINCOLN) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
H92-PT 	Select by Vehicle	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

Note: We have found that on these cars ADD-KEY does not work, only use ERASE KEYS.

2009-2011 NAVIGATOR (LINCOLN) — ADS-172

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
H92-PT 	Select by Vehicle	Yes	No	10 MIN Wait	**A**-Black Or SD

2007-2008 NAVIGATOR (LINCOLN) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	Select by Vehicle	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

*Select PATS 5 if using Bypass

2005-2006 NAVIGATOR (LINCOLN) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	Select by Vehicle	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

2003-2004 NAVIGATOR (LINCOLN) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	Select by Vehicle	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

1999-2002 NAVIGATOR (LINCOLN) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H72-PT 	HEC	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

1998 NAVIGATOR (LINCOLN) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H72-PT 	PATS 1	Yes	No	8 MIN Wait	**A**-Black Or SD

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2007-2011 RANGER (FORD) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	Select by Vehicle	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

*Select PATS 5 if using Bypass

2001-2006 RANGER (FORD) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	Select by Vehicle	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

Note 1: Transponder system is optional. Some models came with 599114 but are not transponder equipped.
Note 2: Most 2005 models do not have a Transponder system.

1999-2000 RANGER (FORD) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H72-PT 	PATS 2	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

Note: Transponder system is optional.

2008-2009 SABLE (MERCURY) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	Select by Vehicle	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

*Select PATS 5 if using Bypass

2004-2007 SABLE (MERCURY) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	Select by Vehicle	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

2000-2003 SABLE (MERCURY) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	Select by Vehicle	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

1998-1999 SABLE (MERCURY) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H72-PT 	PATS 2	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

Note: Transponder system is optional.

1996-1997 SABLE (MERCURY) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
H72-PT 	PATS 1	Yes	No	8 MIN Wait	**A**-Black Or SD

Note: Transponder system is optional.

2013-2015 TAURUS (FORD) WITH PROXIMITY START BUTTON IGNITION — ADS-172

STRATTEC	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Prox- 5921285 (4BTN) 5921286 (5BTN) *5912345 - Key*	Select by Vehicle	Yes	No	10 MIN Wait	**L**-Pink Or SD

2010-2012 TAURUS (FORD) WITH PROXIMITY START BUTTON IGNITION — ADS-172

STRATTEC	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
5914119 - *Prox & Key* 5914118 - *Prox* 5911175 - *Key*	Select by Vehicle	Yes	No	10 MIN Wait	**L**-Pink Or SD

2013-2014 TAURUS (FORD) WITH KEY TYPE IGNITION — ADS-175

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
H92-PT 	Select by Vehicle	Yes	No	10 MIN Wait	**A**-Black Or SD

2010-2012 TAURUS (FORD) WITH KEY TYPE IGNITION — ADS-172

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
H92-PT 	Select by Vehicle	Yes	No	10 MIN Wait	**A**-Black Or SD

2008-2009 TAURUS (FORD) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	Select by Vehicle	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

*Select PATS 5 if using Bypass

2008-2009 TAURUS X (FORD) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	Select by Vehicle	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

2004-2007 TAURUS (FORD) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	Select by Vehicle	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

2000-2003 TAURUS (FORD) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	Select by Vehicle	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

1998-1999 TAURUS (FORD) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H72-PT 	PATS 2	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

Note: Transponder system is optional.

1996-1997 TAURUS (FORD) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
H72-PT 	PATS 1	Yes	No	8 MIN Wait	**A**-Black Or SD

Note: Transponder system is optional.

2003-2005 THUNDERBIRD (FORD) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	Select by Vehicle	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

2002 THUNDERBIRD (FORD) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H74-PT 	HEC	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

2005-2011 TOWN CAR (LINCOLN) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	Select by Vehicle	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

2003-2004 TOWN CAR (LINCOLN) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	Select by Vehicle	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

1998-2002 TOWN CAR (LINCOLN) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H72-PT 	HEC	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

2014-2016 TRANSIT CONNECT (FORD) — ADS-209

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Key	Select by Vehicle (BETA)	Yes	No	10 MIN Wait	**G**-Tan Or SD

Note: Transponder system is optional.
Look for transponder "Ring" around ignition lock.

2010-2013 TRANSIT CONNECT (FORD) — ADS-172

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
H91-PT	Select by Vehicle	Yes	No	10 MIN Wait	**G**-Tan Or SD

Note: Transponder system is optional. XLT models with power locks and power windows are usually equipped. Look for transponder "Ring" around ignition lock. High Security TIBBE keyway.

2001-2003 WINDSTAR (FORD) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	Select by Vehicle	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

1999-2000 WINDSTAR (FORD) — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H72-PT 	ICM	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

2006 ZEPHYR (LINCOLN) — ADS- 100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	Select by Vehicle	Yes	No	Yes with SMC & ADS133	**A**-Black Or SD

*Select PATS 5 if using Bypass

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FORD 'BASICS'

"Special Functions"

- ***Keys Programmed***
- ***Add Key -*** (May not be available or usable on all systems, check the KEY GUIDE)
- ***Clear Erase Keys***

Keys Programmed: This function will tell you how many keys are presently stored in the vehicle Memory and It's located on the same screen as "add key" and "clear & erase". Although it's an optional function on the tester and not mandatory **we highly recommend you look at this information first before adding or erasing keys.** The key count information can help solve and or avoid key programming problems.

Add Key: In order to add a key there must be a minimum of 2 keys stored. They don't have to be physically present, just stored in the vehicle memory. Adding a key can be accomplished by one of two methods. 1) Use the add key function on your tester. 2) If you have 2 working keys on hand you can add additional keys up to a maximum of 8 using FORD'S On Board Procedure. NOTE-The on-board procedure can be turned off via the dealer scan tool, this is a rare occurrence but one that you may run into. It's also very important to note that if you're using your tester to "add" a key to the system the key in the ignition must be the spare key you wish to program in & NOT an already programmed key that starts the vehicle. Please note that adding a key is never a given on any FORD. For example if the system reaches the maximum amount of keys (8) you will have to erase keys.

Clear & Erase Keys: Keys can be cleared from the vehicle system using your tester. Once all keys are erased the vehicle goes into "learn mode". In order to close the learn mode 2 keys must be cycled in (back to back for 5 secs each) and the security light must go out. Lets say for instance that only 1 key becomes stored and not the other, the vehicle will not run. However the learn mode will stay open indefinitely until the system recognizes & stores the 2nd key into the memory. Once the learn mode is closed you can add additional keys by using the add key function or FORD'S On Board Procedure.

How to Cycle Keys after an Erase Procedure;

Once the system reads "0 Keys" disconnect the tester.
Take the first key out of the ignition and reinsert it, turn it to the on position for 5 seconds. The theft light should go solid indicating it's stored the first key. Next insert your 2nd key and turn it to the on position for 5 seconds. The light should go solid for 1 to 2 seconds and go out, this indicates it's stored the 2nd key. On some of the newer 2011> systems you may hear the door locks cycle.
The "keys programmed" information should now read "2 keys".
NOTE-if the vehicle is equipped with an aftermarket remote start system the erase key function will remove the remote start chip/key info from the system.

Pats 1 Info

There are only 2 functions on Pats 1 vehicles, "clear & erase" or "keys programmed". Since the Pats 1 system only requires one stored key in the memory to have a running vehicle the only time you need to use your tester is when all keys are lost. If you have a working key any additional keys are added in via an OBP. The tester will erase all keys stored in the memory and program in the key that's in the ignition. We recommend you first check the key count before selecting erase and after the 8 minute timeout is complete. The key count should now read 1 stored and there is no need to remove the key & cycle it in the ignition since it programs in at the end of the 8 minutes.
ICM, HEC, VIC, SCIL; On these older FORD systems it's recommended to wait 2 minutes after programming keys before testing them as it can take a few minutes before the keys will be recognized by the vehicle system. Even though the key count may read 2 keys stored If you try to start the vehicle.

FORD THEFT LIGHT BEHAVIOR , What to watch for....

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 an un-programmed key has been turned ON.

THEFT THEFT THEFT (SOLID FOR 3 SECONDS)

A solid lit THEFT light for 3 seconds and then goes out completely will indicate the vehicle recognizes a programmed key
THEFT (STAYS ON SOLID)

A solid lit THEFT light that stays ON and does not blink or go out indicates that vehicle is in Learn Mode and is waiting for a second key to be programmed, simply insert another key to be programmed and turned ON.
In some cases, inserting a second key will do no good if the vehicle is equipped with an after-market Remote Start device. You must disconnect the Remote Start device to finish key programming.

"Anti-Scan Mode"

• 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 new keys or Clear/Erase of keys.

Follow this procedure if the vehicle will not start and the you have cycled your keys after Clear/Erase has finished:

1) Disconnect the Device and remove any keys.

2) Wait 2 minutes.

3) Turn the first key to ON (Do not try to start) - the Theft light should stay on for 3 seconds and then go out.

4) Repeat this for the Second Key. If the Theft light stays on for 3 seconds and then goes out, you are not in ANTI-SCAN mode and the vehicle should now start.

• You will not be able to start the vehicle with an un-programmed key and even an original key if you have not waited 70 seconds after removing the un-programmed key.

• In some cases you may need to leave the programmed key in the RUN position for 2 minutes and then turn the key OFF and back ON to start the vehicle.

5 tips that will help to make key programming go smoothly on Ford vehicles.

Tip # 1:
Check the application guide in this manual or online at www.adusa.us for the proper system selection & key blank information.

Tip # 2:
Form the habit of turning the key to the “ON” position before hooking up to the OBD2 port on FORD systems.

Tip # 3:
Use jumper cables from your vehicle to the vehicle you’re working on because 10 minutes is a long time to have the key on! This will help to eliminate possible “failure to communicate” issues.

Tip #4:
Get in the habit of reading & clearing fault codes before doing any key programming.
Sometimes the fault codes will show you something is wrong with the system. I.E. “SCP mismatch” tells us the system may need a parameter reset.

Tip #5:
Always look at the amount of “keys programmed” before doing anything to the system.
The reason to always do this is to eliminate any guesswork.

For example: When "Adding" let's say you see “keys programmed” says “2 Keys”, now run through the "Add key" procedure and after completing It reads “3 keys” but the vehicle does not start?
Based on the “Keys Programmed” info, the key is in fact programmed.
Check the car, it may be in anti-scan mode or maybe something has been changed by a mechanic?
Perhaps it needs a “parameter Reset”.

Let’s say it still shows, “2 keys” programmed. Clearly ADD-KEY did not work. Maybe you are using a bad chip or the wrong key blank (chip) or perhaps the wrong system was selected?

Lets say you look at "keys programmed" and you see “3 keys” then go through the CLEAR/ERASE KEY key procedure. After cycling keys you now see “2 keys” We now know they are your 2 keys because there were 3 before you erased.

Going further lets say “Keys Programmed” reads “2 keys” to start with & now you erase, you can check “Keys Programmed” before you disconnect and cycle keys and you should see ZERO keys, sometimes if check after cycling and it reads 1 Key Programmed. Try cycling the keys again. You could have a bad chip or bad antenna ring on the car. Remember, the system is not closed until you it reads
“2 Keys” with the exception of the Pats 1 system that only requires 1 key to close the cycle.

Unfortunately most users don't take advantage of this information and guess as to what is going on and worse - start going through unnecessary programming procedures to solve the problem they are having.

PATS 1
(Passive Anti Theft System 1)
SCP (internal acronym for FORD)



SPECIAL FUNCTIONS

CLEAR KEYS- This function ERASES all keys from memory and programs the one key used during the procedure.

On a PATS 1 system you must CLEAR PATS to program a key, if you have no existing keys.

WAIT TIME should be 8 Minutes.

Make sure you have the correct type of chip key in the ignition.

After the wait time, the key in the ignition will be programmed.

KEYS PROGRAMMED- This function reads the number of programmed keys.
It's always a good idea to use this to see how many keys are in the system PRIOR to and AFTER any key programming is performed.

TIPS:

After Programming wait a few seconds before testing keys

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-100	ADC-250 / ADC- 251 A (BLACK) DONGLE
MAX # OF KEYS:	**SMART DONGLE?**
8	YES
KEYS:	**SECURITY:**
Re-usable	8 Minute Wait
	COMPONENTS MATCHED?
	No
	MATCHING CAPABILITY?
	Not needed

SECURITY LIGHT / THEFT INDICATOR:

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

MORE INFO:

This was FORD'S first PATS system introduced into the USA back in 1996.
It's called PATS 1 for this reason and also because unlike later FORD systems it only requires a minimum of 1 key to be programmed into the system.

ON BOARD PROGRAMMING (OBP) - Only 1 programmed key is required to OBP a 2nd key into the system.
If you have 1 programmed key to add additional keys is very simple:

A. Cycle the programmed key On for 5 seconds then OFF.
B. Within 10 seconds, cycle a NEW key you want to program On for 5 seconds.
C. Wait a few seconds.
D. The NEW key should be programmed.

PATS 1
(FORD SCP)

Use this method to CLEAR keys (Programs 1 key in the process)

START HERE:

Select:
+FORD
+USA
+BY SYSTEM

Verify the System type from the model application guide in your MVP or TCODE User's Manual.

VEHICLE SELECTION
- PATS 3 CAN
- PATS 4 CAN
- > PATS 1
- PATS 2
- PCM
- HEC
- ICM
- VIC
- SCLM
- SCIL

ECU IDENTIFICATION

PATS SCP

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

Follow the on-screen prompts.

Remove the key that is in the ignition after you are prompted to do so and the key is programmed.

TIMED ACCESS

CLEAR TIME 8:00
KEYS PROGRAMMED: 1

PRESS ENTER KEY

CLEAR PATS KEY
GAINING ACCESS
TIME REQUIRED: 8:00
TIME ELAPSE 0:00

ACCESS STATUS
IN PROGRESS
BACK TO ABORT

KEY PROGRAMMED

DISCONNECT TESTER
FROM VEHICLE

PATS 2 / HEC / ICM / VIC / SCIL / PATS 3 / PATS 4 CAN/ PATS 5 CAN



SPECIAL FUNCTIONS

CLEAR KEYS- This function ERASES all keys from memory. Once completed the car is ready to learn 2 keys automatically and will learn the 1st TWO keys that are cycled in the ignition.

On a PATS 2 and PATS CAN systems a minimum of 2 keys must be programmed into the system for the vehicle to run. When erasing all keys (Clear), you must have 2 keys to cycle in the ignition.

ADD KEY- This will ADD a key into the system without erasing others.
Make sure you have the key you want to add with the correct type of chip in the ignition.

KEYS PROGRAMMED- This function reads the number of programmed keys.
It's always a good idea to use this to see how many keys are in the system PRIOR to and AFTER any key programming is performed.

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-100	ADC-250 / ADC- 251 A (BLACK) DONGLE
MAX # OF KEYS:	**SMART DONGLE?**
8	YES
KEYS:	**SECURITY:**
Re-usable	10 Minute wait / Bypassed if you have Smart Card and ADS-133 software.
	COMPONENTS MATCHED?
	YES IMMO, DASH & PCM ARE MATCHED
	MATCHING CAPABILITY?
	Parameter Reset

SECURITY LIGHT / THEFT INDICATOR:

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

INSTRUCTIONAL VIDEO:

WATCH VIDEO-
2006 EXPLORER



MORE INFO:

ALL of these systems are what we call "2 KEY SYSTEMS" meaning they must always have TWO keys minimum programmed in order to run / start.

ON BOARD PROGRAMMING (OBP) - 2 programmed keys are required to OBP a 3rd key into the system.
If you have 2 programmed keys to add additional keys is very simple:

A. Cycle each programmed key On for 5 seconds then OFF.
B. Within 10 seconds, cycle a NEW key you want to program On for 5 seconds.
C. Wait a few seconds.
D. The NEW key should be programmed.

IT'S WORTH NOTING THAT THE FORD DEALER TOOL CAN BE USED TO DISABLE / TURN OFF THE ON-BOARD KEY ADDING FUNCTION AND MAKE IT SO THAT KEYS MUST BE PROGRAMMED VIA THE DIAGNOSTIC PORT

PATS 2 / HEC / ICM / VIC / SCIL / CAN 3 / CAN 4 / CAN 5

Use this method for: Erasing keys

REQUIRES 2 KEYS
MAKE SURE TO HAVE 2 KEYS READY!

START HERE:

Select:
+FORD
+USA
+BY SYSTEM

Verify the System type from the model application guide in your MVP or TCODE User's Manual & select the correct one ACCORDING TO THE GUIDE

VEHICLE SELECTION
PATS 3 CAN
PATS 4 CAN
PATS 1
PATS 2
PCM
FOCUS P.C.M.
SCLM
SCIL
HEC
ICM
VIC

ECU IDENTIFICATION

PATS SCP
PATS CAN 3, 4, 5 (etc)
(Screen will display what you selected)

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

> 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

> CLEAR PATS:
To erase all keys

> KEYS PROGRAMMED:
Check keys

If you have the Smart Card and Mazda CAN SOFTWARE you can bypass the 10min wait.

CLEAR KEYS

BYPASS ENABLED
WOULD YOU LIKE TO USE IT?

X ✔

When erasing all keys (Clear), you must have 2 keys to cycle in the ignition.

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.

SUCCESS
0 KEYS PROGRAMMED
DISCONNECT TESTER
FROM VEHICLE

CYCLE KEYS
TO PROGRAM

"Wait a few seconds and test your key.

Check "Keys Programmed" to ensure that "2 Keys" are programmed.

PATS 2 / HEC / ICM / VIC / SCIL / CAN 3 / CAN 4 / CAN 5

Use this method for: Adding keys

WHEN USING ADD KEY

MAKE SURE TO HAVE THE NEW KEY YOU ARE ADDING IN THE IGNITION!

START HERE:

Select:
+FORD
+USA
+BY SYSTEM

Verify the System type from the model application guide in your MVP or TCODE User's Manual & select the correct one ACCORDING TO THE GUIDE

VEHICLE SELECTION
PATS 3 CAN
PATS 4 CAN
PATS 1
PATS 2
PCM
FOCUS P.C.M.
SCLM
SCIL
HEC
ICM
VIC

ECU IDENTIFICATION

PATS SCP
PATS CAN 3, 4, 5 (etc)
(Screen will display what you Selected)

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

> 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

The ADD KEY function will only appear if it is available on the system you choose.
Otherwise you will only be able to CLEAR (Erase) keys.

MAKE SURE THE KEY YOU WANT TO ADD IS THE ONE THAT IS IN THE IGNITION!

If you have the Smart Card and Mazda CAN you can bypass the 10min wait.

ADD KEY

BYPASS ENABLED
WOULD YOU LIKE TO USE IT?

X ✔

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

ADD KEY
GAINING ACCESS

READING KEY
STORING KEY

KEYS PROGRAMMED 3
(Example)

Wait a few seconds and test your key.

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FORD FAULT CODES

Use this method for: READING / CLEARING FAULT CODES

START HERE:

Select:
+FORD
+USA
+BY SYSTEM

Verify the System type from the model application guide in your MVP or TCODE User's Manual & select the correct one ACCORDING TO THE GUIDE



VEHICLE SELECTION
PATS 3 CAN
PATS 4 CAN
PATS 1
PATS 2
PCM
FOCUS P.C.M.
SCLM
SCIL
HEC
ICM
VIC

ECU IDENTIFICATION
PATS SCP
PATS CAN 3, 4, 5 (etc)
(Screen will display what you Selected)
PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

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. One example is shown below.

DISPLAY FAULT CODES
FAULT CODE: 9601
WRONG KEY CODE
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.

DISPLAY FAULT CODES
NO FAULTS FOUND
PRESS ENTER KEY

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

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

CLEAR FAULT CODES
PROCEDURE COMPLETE
PRESS ENTER KEY

PATS 2 / HEC / ICM / VIC / SCIL / CAN 3 / CAN 4 / CAN 5

10 minute Bypass info

On the majority of the earlier FORD systems (Pro Only) you will be able to bypass the 10 minute security wait. For Mazda Can vehicles you will be able to bypass the need of obtaining a valid in-code, the tester software does this step automatically during the programming process.

All new MVP PRO's come fully equipped with the software and an activated smart card system so there's no need add anything. However if you own an older MVP PRO that doesn't have the smart Card system, smart card will need to be purchased, registered and the software will need to be updated in order for the FORD MAZDA BYPASS to work. T-CODE PRO owners need smart card system enabled and the ADS-133 Ford/Mazda Can coded software in order to bypass Fords.

Basic steps required before using the bypass software.

- Look at the 10th placement of the VIN and not the production date for determining the correct year of
- the vehicle.
- Check the KEY GUIDE SECTION OF THIS MANUAL for the suggested system selection.
- Always check the key count using KEYS PROGRAMMED on the menu, before and after "adding" or "erasing keys".
- Add extra voltage to the vehicle even when you dont think it needs it. This is critical for success!

The smart card system will NOT actually be called for when you bypass. In other words, smart card just needs to be actively enabled to the PRO but the tester software will not ask for it to be used on the majority of the earlier Ford/Mazda vehicles. This is an obvious time saver.

TROUBLESHOOTING - BYPASS ISSUES

If the bypass of the 10 minute security wait doesn't go through on the first attempt stay connected and try again. If working on a PCM system and the bypass doesn't work the first time switch to timed access by choosing to not use the bypass.

Pats 4 vehicles most of the time will require selecting Pats 5 or you will get an "invalid access code".

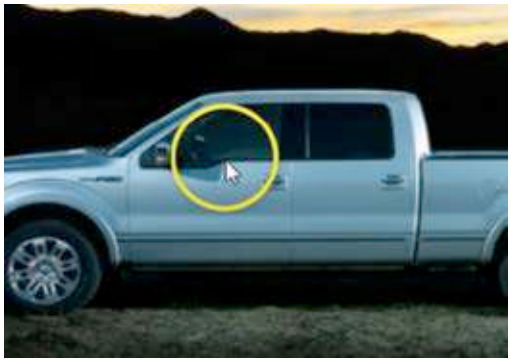
If using parameter reset on an HEC vehicle and are having trouble using the bypass use the timed version.

On Mercury Cougar vehicles, and some other early PCM vehicles only use the timed version.

On Jaguar S Type using the HEC system only use the timed version and only use ERASE KEYS.
Mazda Bypass info:

2004 F-150

HOW TO DETERMINE IF “OLD” OR “NEW” BODY STYLE



NEW BODY STYLE -

Notice the curve in the body on the drivers door frame / window.

PATS3 CAN SYSTEM with H84 Keys





OLD BODY STYLE-
(HERITAGE)

Straight with no curve

HEC SYSTEM with H72PT KEYS



Special Notes for a few select vehicles:

PCM SYSTEM FORD ESCAPE & MAZDA TRIBUTE

When you have finished programming keys on one of these vehicles, you may find the vehicle does not start and the “Theft” light on the dash does not light up.

This is a known “glitch” to us on these models, regardless of which programming tool you use.

To fix this, you must re-connect your MVP or TCODE and turn the key to the “Run” position as if you were going to program the key again.

Select Ford from the Main Menu and then select “PCM”.

Select “Fault Codes” and then select “Read Faults”.

Select “Clear Faults” (Whether any faults were found or not.)

Disconnect the MVP or TCODE and remove the key from the ignition.

The vehicle should now start up.

1997-1998 Lincoln MARK VIII -SCIL SYSTEM -Anti-theft system

The 1997-1998 Lincoln MARK VIII uses a module called “SCIL” to perform the PATS functions and many other functions within the vehicle.

The SCIL is an abbreviation for “Steering Column Ignition Lighting” module.

Part of what the SCIL module controls is also the “Anti Theft” alarm system which is separate from the PATS functions. There is an indicator light on the dash that also displays the words: ANTI THEFT.

The Anti Theft system can be activated by the circuits and/or switches of the Anti Theft system which are located in the SCIL module and the Drivers Door Switch, Passenger Door Switch & Hood Switch.

The problem is that **NO** keys can be programmed until the Anti Theft system has been deactivated.

The problem may be as simple as fixing the hood switch. You may have to disassemble the doors to determine if the there is a faulty lock alarm connector switch.

The factory diagnostic tool called the NGS can help determine the problem. Use the Service Card, turn the ignition switch to Run, “Service Bay Functions”, select “SCIL” and then select “View Alarm Event Data”. If you see a “Yes” next to any of the circuits - that is where your problems exist and must be repaired.

However, there can also be a problem in the SCIL module itself.

At some point this level of diagnostic investigation may not be worth your time depending on your customer and his or her ability to pay you for this type of work.

You may be better off sending the customer to the dealer via a tow truck!

PATS 6 SYSTEMS KEYED MODELS *(SELECTED BY VEHICLE)*

Proper vehicle ID is critical for successful programming.
IMPORTANT NOTE- Do not use the date on the production sticker to ID the year, use the VIN number.

SPECIAL FUNCTIONS

CLEAR KEYS - This function ERASES all keys from memory. Once completed the car is ready to learn 2 keys automatically and will learn the 1st TWO keys that are cycled in the ignition.

A minimum of 2 keys must be programmed into the system for the vehicle to run. When erasing all keys (Clear), you must have 2 keys to cycle in the ignition.

ADD KEY - This will ADD a key into the system without erasing others.

Make sure you have the key you want to add with the correct type of chip in the ignition.

KEYS PROGRAMMED - This function reads the number of programmed keys.
It's always a good idea to use this to see how many keys are in the system PRIOR to and AFTER any key programming is performed.

TIPS:

After Programming wait a few seconds before testing keys

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-172	ADC-250 / ADC- 251 A (BLACK) DONGLE
MAX # OF KEYS:	**SMART DONGLE?**
8	YES
KEYS:	**SECURITY:**
40 Bit , Re-usable  2010-2013 TRANSIT CONNECT USE TIBBE KEYS H91-PT	10 Minute wait / No bypass is available for any of these, must wait the 10 minutes.
	COMPONENTS MATCHED?
	DASH IMMO & PCM ARE MATCHED
	MATCHING CAPABILITY?
	Parameter Reset available on some models. See Parameter Reset Info.

SECURITY LIGHT / THEFT INDICATOR:

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

WATCH VIDEO - 2012 MUSTANG CLEAR ERASE WITH SMART DONGLE



WATCH VIDEO - 2013 EDGE CLEAR / ERASE



MORE INFO:

This is a 2 KEY SYSTEM

ON BOARD PROGRAMMING (OBP) - 2 programmed keys are required to OBP a 3rd key into the system.
If you have 2 programmed keys to add additional keys is very simple:

A. Cycle each programmed key On for 5 seconds then OFF.
B. Within 10 seconds, cycle a NEW key you want to program On for 5 seconds.
C. Wait a few seconds.
D. The NEW key should be programmed.

FACTORY ALARM - Must be disabled, if all keys lost alarm will prevent access to key programming.
Use a key in the door lock to turn the alarm OFF or use factory keypad.
You could also OBP in a remote to turn the alarm off.

PATS 6 SYSTEMS
KEYED MODELS
(SELECTED BY VEHICLE)

Use this method for: CLEAR / ERASE KEYS

REQUIRES 2 KEYS
MAKE SURE TO HAVE 2 KEYS READY!

START HERE:

Select:
+FORD
+USA
+BY VEHICLE

Select BY MODEL - not BY SYSTEM

VEHICLE SELECTION
> BY VEHICLE
BY SYSTEM

Remember to select by the model & year, and then press Enter.




REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWTCH IGNITION ON
PRESS ENTER KEY

ECU IDENTIFICATION
PATS 6 CAN
PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU
> CLEAR KEYS
ADDITIONAL KEYS
KEYS PROGRAMMED

CLEAR KEYS
WARNING
ALL KEYS WILL
CLEARED
CONTINUE
X ✔

CLEAR KEYS
2 KEYS REQUIRED
PRESS ENTER KEY

PLEASE WAIT
APPROX TIME 10 MIN
00m 02s
PRESS ENTER KEY

Programming Keys:
When erasing all keys (Clear), you must have 2 keys to cycle in the ignition after the 10 to 12 minute wait. You must go through the Clear Time wait.

SUCCESS
DISCONNECT TESTER
CYCLE KEYS TO PROGRAM
PRESS ENTER KEY

Remove the key that is in the ignition and turn ON the second key for 5 seconds and remove. Re-insert the first key and turn ON for 5 seconds and remove.

You should check the amount of “Keys Programmed” and it should be ‘2’.

Wait a few seconds and test your keys.

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PATS 6 SYSTEMS
KEYED MODELS
(SELECTED BY VEHICLE)

Use this method for: Adding keys

WHEN USING ADD KEY
MAKE SURE TO HAVE THE NEW KEY YOU ARE ADDING IN THE IGNITION!

START HERE:

Select:
+FORD
+USA
+BY VEHICLE

Select BY MODEL - not BY SYSTEM

VEHICLE SELECTION
> BY VEHICLE
BY SYSTEM

Remember to select by the model & year, and then press Enter.


REQUIRES SMART CARD CALCULATOR OR WEB APP

OR


USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWTCH IGNITION ON
PRESS ENTER KEY

MAKE SURE THE KEY YOU WANT TO ADD IS THE ONE THAT IS IN THE IGNITION!

ECU IDENTIFICATION
PATS 6 CAN
PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU
CLEAR KEYS
> ADDITIONAL KEYS
KEYS PROGRAMMED

PLEASE WAIT
APPROX TIME 10:00
00m 02s
PRESS ENTER KEY

When using ADDITIONAL KEYS FUNCTION, Only 1 NEW key is required.

You must go through the Clear Time wait.

SUCCESS
DISCONNECT TESTER
PRESS ENTER KEY

Remove the key that is in the ignition.

Wait a few seconds and test your key.



PATS 6 SYSTEMS PROX MODELS *(SELECTED BY VEHICLE)*



Proper vehicle ID is critical for successful programming.
IMPORTANT NOTE- Do not use the date on the production sticker to ID the year, use the VIN number.

SPECIAL FUNCTIONS

GAIN 10 MINUTE PATS SECURITY- The 1st step of any programming on these is to select this and wait the 10 minutes. After the 10 minute wait is over the software will take you back to the special functions menu

CLEAR PROX- This function ERASES all keys from memory. Once completed the car is ready to learn 2 keys automatically and will learn the 1st TWO keys that are cycled in the ignition.

A minimum of 2 keys must be programmed into the system for the vehicle to run. When erasing all keys (Clear), you must have 2 keys to cycle in the ignition.

ADD PROX- This will ADD a key into the system without erasing others.

Make sure you have the key you want to add with the correct type of chip in the ignition.

KEYS PROGRAMMED- This function reads the number of programmed keys.
It's always a good idea to use this to see how many keys are in the system PRIOR to and AFTER any key programming is performed.

TIPS:

After Programming wait a few seconds before testing keys

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-172	ADC-250 / ADC- 251 L (PINK) DONGLE
MAX # OF PROX:	**SMART DONGLE?**
4	YES
PROX KEYS:	**SECURITY:**
Re-usable	10 Minute wait / No bypass is available for any of these, must wait the 10 minutes.
	COMPONENTS MATCHED?
	DASH IMMO & PCM ARE MATCHED
	MATCHING CAPABILITY?
	Parameter Reset available on some models. See Parameter reset section



SECURITY LIGHT / THEFT INDICATOR:

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

MORE INFO:

This is a 2 KEY PROX SYSTEM

ON BOARD PROGRAMMING (OBP) - 2 programmed keys are required to OBP a 3rd key into the system.
If you have 2 programmed keys to add additional keys is very simple:

A. Cycle each programmed prox key "ON" for 5 seconds then "OFF". (Placing each PROX in the programming slot when turning the ignition "ON").
B. Within 10 seconds, place a NEW prox key you want to program in the programming slot and cycle the ignition "ON" for 5 seconds.
C. Wait a few seconds.
D. The NEW PROX key should be programmed.

FACTORY ALARM - Must be disabled, all keys lost and alarm is tripped the factory alarm will prevent access to key programming.
Use a key in the door lock to turn the alarm OFF or use factory keypad.
You could also OBP in a remote to turn the alarm off.



PATS 6 SYSTEMS
PROX MODELS
(SELECTED BY VEHICLE)



START / STOP Buttons





PROGRAMMING SLOT LOCATIONS

2010 Taurus

Programming Slot
(inside Center
Console)

1) Keyring Side Up



Lincoln MKS

Programming Slot
(inside Glove Box)

1) Keyring Side Up
2) Buttons facing front of car, towards engine.



2011 Edge

Programming Slot
(inside Center
Console)

1) Buttons facing Up



2011 Explorer

Programming Slot
(inside Center
Console
1) Keyring Side Up
2) Buttons rear of car.





PATS 6 SYSTEMS
PROX MODELS
(SELECTED BY VEHICLE)



Use this method for: CLEAR / ERASE PROX KEYS

REQUIRES 2 PROX KEYS
MAKE SURE TO HAVE 2 PROX KEYS READY!

START HERE:

Select:
+FORD
+USA
+BY VEHICLE

Remember to select by the model & year, and then press Enter.

VEHICLE SELECTION
> BY VEHICLE
BY SYSTEM



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

VEHICLE SELECTION
> PROXIMITY
NON PROXIMITY

LEAVE IGN OFF

PRESS ENTER KEY

Do Not touch or activate the START button at this time.

ECU IDENTIFICATION
PATS 6 PROX
PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU
> GAIN 10 MIN PATS ACCESS
CLEAR PROX
ADD PROX.
PROX PROGRAMMED

You must go through the procedure for “Gain 10 Min PATS Access” before you can Add or Erase.

SECURITY ACCESS
PLEASE WAIT
APPROX TIME 10:00
00m 02s
PRESS ENTER KEY

The timer may go to around 12 minutes.
It’s not that accurate.
But in real time the wait should be 10 Min.

DIAGNOSTIC MENU
GAIN 10 MIN PATS ACCESS
> CLEAR PROX
ADD PROX.
PROX PROGRAMMED

CLEAR PROX
SUCCESS
NOW GO TO
ADD PROX
PRESS ENTER KEY

See next page

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PATS 6 SYSTEMS
PROX MODELS
(SELECTED BY VEHICLE)



Use this method for: CLEAR / ERASE PROX KEYS - CONT'D

CLEAR KEYS

WARNING
ALL PROX WILL
CLEARED
CONTINUE

X ✔

DIAGNOSTIC MENU

GAIN 10 MIN PATS ACCESS
CLEAR PROX
> ADD PROX.
PROX PROGRAMMED

ADD PROX.

PLACE PROX IN
PROGRAMMING SLOT
MAX 4 PROX
CAN BE PROGRAMMED

PRESS ENTER KEY

Make sure to place the Prox remote in the slot with the key ring facing up.

ADD PROX.

PROX PROGRAMMED: 00
2 PROX REQUIRED

PRESS ENTER KEY

ADD PROX.

PLEASE WAIT

ADD PROX.

PROX PROGRAMMED: 01

PRESS ENTER KEY

ADD PROX.

TEST REMOTE
PRESS UNLOCK BUTTON

PRESS ENTER KEY

Once you press the "Unlock" button on the Prox - you should hear the vehicles door locks cycle. After doing that, press Enter on your tester.

ADD PROX.

DO YOU WANT TO PROGRAM
ANOTHER PROX

X ✔

You must program 2 Prox when you Clear/Erase.

Make sure to place the Prox remote in the slot with the key ring facing up.

ADD PROX.

PROX PROGRAMMED: 02

PRESS ENTER KEY

ADD PROX.

TEST REMOTE
PRESS UNLOCK BUTTON

PRESS ENTER KEY

Once you press the "Unlock" button on the Prox - you should hear the vehicles door locks cycle. After doing that, press Enter on your tester.

At this point you can enter more Prox or quit.



PATS 6 SYSTEMS
PROX MODELS
(SELECTED BY VEHICLE)



Use this method for: ADDING PROX KEYS

WHEN USING ADD PROX
MAKE SURE TO HAVE THE NEW KEY YOU ARE ADDING IN THE PROGRAMMING SLOT!

START HERE:

Select:
+FORD
+USA
+BY VEHICLE

On a PATS 6 (2010) system you select by Model - not by system.

VEHICLE SELECTION
> BY VEHICLE
BY SYSTEM

Remember to select by the model & year, and then press Enter.

VEHICLE SELECTION
> PROXIMITY
NON PROXIMITY




REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

LEAVE IGN OFF
PRESS ENTER KEY

Do Not touch or activate the START button at this time.

ECU IDENTIFICATION
PATS 6 PROX
PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU
> GAIN 10 MIN PATS ACCESS
CLEAR PROX
ADD PROX.
PROX PROGRAMMED

You must go through the procedure for "Gain 10 Min PATS Access" before you can Add or Erase.

SECURITY ACCESS
PLEASE WAIT APPROX TIME 10:00 00m 02s
PRESS ENTER KEY

NOTE: Do not press enter more than once on the previous screen!
The wait time can be between 10 to 12 minutes.

DIAGNOSTIC MENU
GAIN 10 MIN PATS ACCESS
CLEAR PROX
> ADD PROX.
PROX PROGRAMMED

ADD PROX.
PLACE PROX IN PROGRAMMING SLOT MAX 4 PROX CAN BE PROGRAMMED
PRESS ENTER KEY

Make sure to place the Prox remote in the slot with the key ring facing up.

Cont'd on next page

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PATS 6 SYSTEMS
PROX MODELS
(SELECTED BY VEHICLE)



Use this method for: ADDING PROX KEYS- CONT'D



ADD PROX.
PROX PROGRAMMED: 00 2 PROX REQUIRED
PRESS ENTER KEY

Once you press the "Unlock" button on the Prox - you should hear the vehicles door locks cycle. After doing that, press Enter on your tester.

ADD PROX.
PLEASE WAIT

ADD PROX.
DO YOU WANT TO PROGRAM ANOTHER PROX
X ✔

ADD PROX.
PROX PROGRAMMED: 03
PRESS ENTER KEY

Once you press the "Unlock" button on the Prox - you should hear the vehicles door locks cycle. After doing that, press Enter on your tester.

At this point you can enter more Prox or quit.

ADD PROX.
TEST REMOTE PRESS UNLOCK BUTTON
PRESS ENTER KEY

2011+ FORD PATS SYSTEMS
KEYED MODELS Except FIESTA
(SELECTED BY VEHICLE)

Proper vehicle ID is critical for successful programming.
IMPORTANT NOTE- Do not use the date on the production sticker to ID the year, use the VIN number.

SPECIAL FUNCTIONS

CLEAR KEYS - This procedure takes 10 minutes and ERASES all currently programmed keys from the system memory.
Once the CLEAR KEYS function is completed the cars transponder system will "self learn" the first 2 keys that are cycled in the ignition. When performing CLEAR KEYS there is no need to use the PRO to do anything other than ERASE the keys then the car does the rest of the work, simply by learning the first 2 keys that are cycled. in the ignition.
After the erase procedure completes cycle both keys to the ON position for 5 seconds each.
They can be either brand new or previously programmed keys but you must have 2 individual keys to cycle in after the ERASE.

ADD KEY- This procedure takes 10 minutes and add's a key into memory without affecting any other programmed keys already in the system**.**
Use this function when you want to ADD A KEY without erasing any other previously programmed keys.
When using ADD KEY make sure have that there is an UN-PROGRAMMED KEY you want to ADD in the ignition during the ADD KEY procedure.

KEYS PROGRAMMED- This function reads the number of programmed keys.
It's always a good idea to use this to see how many keys are in the system PRIOR to and AFTER any key programming is performed.

TIPS:

Before using ERASE KEYS make sure you have at least 2 keys to cycle in the ignition.
After Programming wait a few seconds before testing keys.

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-175	ADC-250 / ADC- 251 G (GREY) DONGLE
MAX # OF KEYS:	**SMART DONGLE?**
8	YES
KEYS:	**SECURITY:**
REQUIRES 80-BIT	10 Minute wait / No bypass is available for any of these, must wait the 10 minutes.
	COMPONENTS MATCHED?
	DASH IMMO & PCM ARE MATCHED
	MATCHING CAPABILITY?
	Parameter Reset available on some models. See P.

SECURITY LIGHT / THEFT INDICATOR:

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

WATCH VIDEO - 2012 MUSTANG
CLEAR ERASE WITH SMART DONGLE

MORE INFO:

2011+ FORD PATS SYSTEMS
KEYED MODELS
(SELECTED BY VEHICLE)

Use this method for: CLEAR ERASE KEYS

WHEN USING CLEAR ERASE KEYS
MAKE SURE TO HAVE 2 KEYS READY!

START HERE:

Select:
+FORD
+USA
+BY VEHICLE

SWITCH IGNITION ON

PRESS ENTER KEY

VEHICLE SELECTION

> BY VEHICLE
BY SYSTEM

Remember to select by the model & year, and then press Enter.

ECU IDENTIFICATION

FORD 2011

PRESS ENTER KEY



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

> 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.

VEHICLE SELECTION

+ AVIATOR	+ FUSION
+ BLACKWOOD	+ F150/250
+ CONTINENTAL	+ F250/350
+ CONTOUR	+ F250 SUPER DIESEL
+ COUGAR	+ F350
+ CROWN VICTORIA	+ GRAND MARQUIS
+ E SERIES VAN	+ LS
+ EDGE	+ MARAUDER
+ ESCAPE	+ MARINER
+ EXCURSION	+ MARK LT
+ EXPEDITION	+ MARK VIII
+ EXPLORER	+ MILAN
+ EXPLORER SPRTRAC	+ MKX
+ FIESTA	+ MKZ
+ FIVE HUNDRED	+ MKS
+ FOCUS	+ MKT

◄ ▲ ↵ ▼ ►

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

Select your model. In some cases you will need to use the arrow keys to scroll through the menu to find your vehicle.

Next, select the Year, if needed. For Keyed vehicles you may need to select NON PROXIMITY, if given the choice.

2011+ FORD PATS SYSTEMS
KEYED MODELS Except FIESTA
(SELECTED BY VEHICLE)

Use this method for: CLEAR ERASE KEYS - Cont'd

Programming Keys:
When erasing all keys (Clear), you must have 2 keys to cycle in the ignition after the 10 to 12 minute wait. You must go through the Clear Time wait.

DIAGNOSTIC MENU

> CLEAR KEYS
ADDITIONAL KEYS

CLEAR KEYS

WARNING
ALL KEYS WILL
CLEARED
CONTINUED

X ✔

CLEAR KEYS

PLEASE WAIT
APPROX 10 MIN
00m 00s

CLEAR KEYS

SUCCESS
DISCONNECT TESTER
CYCLE KEYS TO PROGRAM

PRESS ENTER KEY

Remove the key that is in the ignition and turn ON the second key for 5 seconds and remove. Re-insert the first key and turn ON for 5 seconds and remove.

You should check the amount of "Keys Programmed" and it should be '2'.

Wait a few seconds and test your keys.

2011+ FORD PATS SYSTEMS
KEYED MODELS
(SELECTED BY VEHICLE)

Use this method for: ADDITIONAL KEYS

WHEN USING ADDITIONAL KEYS
MAKE SURE TO HAVE THE NEW KEY YOU ARE ADDING IN THE IGNITION!

START HERE:

Select:
+FORD
+USA
+BY VEHICLE

SWITCH IGNITION ON

PRESS ENTER KEY

VEHICLE SELECTION

> BY VEHICLE
BY SYSTEM

Remember to select by the model & year, and then press Enter.

MAKE SURE THE KEY YOU WANT TO ADD IS THE ONE THAT IS IN THE IGNITION!



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

ECU IDENTIFICATION

FORD 2011

PRESS ENTER KEY

VEHICLE SELECTION

+ AVIATOR	+ FUSION
+ BLACKWOOD	+ F150/250
+ CONTINENTAL	+ F250/350
+ CONTOUR	+ F250 SUPER DIESEL
+ COUGAR	+ F350
+ CROWN VICTORIA	+ GRAND MARQUIS
+ E SERIES VAN	+ LS
+ EDGE	+ MARAUDER
+ ESCAPE	+ MARINER
+ EXCURSION	+ MARK LT
+ EXPEDITION	+ MARK VIII
+ EXPLORER	+ MILAN
+ EXPLORER SPRTRAC	+ MKX
+ FIESTA	+ MKZ
+ FIVE HUNDRED	+ MKS
+ FOCUS	+ MKT

◀ ▲ ↵ ▼ ▶

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

Select your model. In some cases you will need to use the arrow keys to scroll through the menu to find your vehicle.

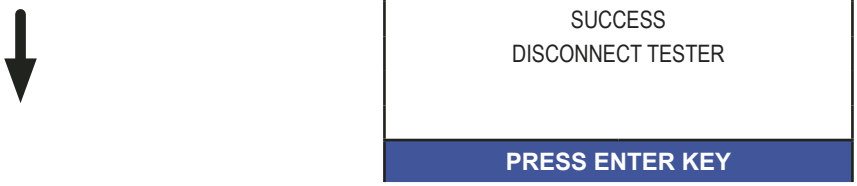
Next, select the Year, if needed. For Keyed vehicles you may need to select NON PROXIMITY, NORMAL OR BLADED , if given the choice.

DIAGNOSTIC MENU

CLEAR KEYS
> ADDITIONAL KEYS

2011+ FORD PATS SYSTEMS
KEYED MODELS Except FIESTA
(SELECTED BY VEHICLE)

Use this method for: ADDITIONAL KEYS - Cont'd



Remove the key that is in the ignition after you are prompted to do so and the key should be programmed.

Wait a few seconds and test your key.

2011-2014 F-SERIES PICK UP's
(SELECTED BY VEHICLE)

Proper vehicle ID is critical for successful programming.
IMPORTANT NOTE- Do not use the date on the production sticker to ID the year, use the VIN number. Count over to the 10th placement of the VIN (from left to right) If it's a true 2011 it will read as "B". However if reads as "A" it's a 2010, which is a different system protocol . Next check the tailgate to determine if it's a Super duty or not. If it is it's Super duty it will clearly be stamped on the tailgate.

SPECIAL FUNCTIONS

CLEAR KEYS - This procedure takes 10 minutes and ERASES all currently programmed keys from the system memory.
Once the CLEAR KEYS function is completed the cars transponder system will "self learn" the first 2 keys that are cycled in the ignition. When performing CLEAR KEYS there is no need to use the PRO to do anything other than ERASE the keys then the car does the rest of the work, simply by learning the first 2 keys that are cycled. in the ignition.
After the erase procedure completes cycle both keys to the ON position for 5 seconds each.
They can be either brand new or previously programmed keys but you must have 2 individual keys to cycle in after the ERASE.

ADD KEY- This procedure takes 10 minutes and add's a key into memory without affecting any other programmed keys already in the system**.**
Use this function when you want to ADD A KEY without erasing any other previously programmed keys.
When using ADD KEY make sure have that there is an UN-PROGRAMMED KEY you want to ADD in the ignition during the ADD KEY procedure.

KEYS PROGRAMMED- This function reads the number of programmed keys.
It's always a good idea to use this to see how many keys are in the system PRIOR to and AFTER any key programming is performed.

TIPS:

Before using ERASE KEYS make sure you have at least 2 keys to cycle in the ignition.
After Programming wait a few seconds before testing keys.

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-175	ADC-250 / ADC- 251 A (BLACK) DONGLE
MAX # OF KEYS:	**SMART DONGLE?**
8	YES
KEYS:	**SECURITY:**
80-Bit	10 Minute wait / No bypass is available for any of these, must wait the 10 minutes. Timer typically runs about 11 minutes on the tool.
	COMPONENTS MATCHED?
	YES
	MATCHING CAPABILITY?
	Parameter Reset available on some models. See P.

SECURITY LIGHT / THEFT INDICATOR:

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

MORE INFO:

Vehicle Selection: 2011+ Super Duty F trucks & non super duty are all selected by vehicle and NOT by system.

If after selecting on the menu the vehicle ID's as a Pats 6 then you have selected incorrectly, the vehicle must ID on your software screen as 2011 FORD.

2011-2014 F-SERIES PICK UP's
(SELECTED BY VEHICLE)

Proper vehicle ID is critical for successful programming.
IMPORTANT NOTE- Do not use the date on the production sticker to ID the year, use the VIN number. Count over to the 10th placement of the VIN (from left to right) If it's a true 2011 it will read as "B". However if reads as "A" it's a 2010, which is a different system protocol . Next check the tailgate to determine if it's a Super duty or not. If it is it's Super duty it will clearly be stamped on the tailgate.

MORE INFO: CONTINUED

Factory alarms; Most 2011+ F SERIES trucks come equipped with a parameter factory equipped alarm system. If you are working on a lost key situation and the factory alarm has been tripped You MUST shut this system down prior to programming keys or you will receive an access denied message at the end of the 10 minute security wait.

Keys; 2011+ F series trucks require 80 bit keys. These keys are typically stamped with an SA or HA on the blade. Be sure you are not to be using the older 599114 key also known as the jewel key. NOTE-80 bit keys can be a used as a replacement for the 599114 key but not the other way around. If you are using remote headed keys the RKE functions will program in at the same time as the keys. NOTE-Be sure to cut a metal key first to verify the vehicle is transponder equipped as some vehicles may not have come transponder equiped.

Security light; There is no familiar security light on these vehicles, when the key programs in the door locks will cycle up and down once, on the no frills version of these trucks the locks will NOT cycle so you will need to rely on your key count info and the fact that the vehicle starts after the programing is complete.

Starting system fault message on the dash; If you program in a non-remote head key you will see a starting system fault message displayed on the dash, this is normal and will not affect the proper running of the vehicle. This message will extinguish after a short period of time but will reappear each time this key is used. Be sure to inform your customer that this is part of FORDS system when a non-remote head key is used to start the vehicle.

On Board Programming of Remotes - There may be rare occasions when the manufacturers OBP will not work, and you just can't get a remote to program. This is a known FORD issue that AD tech support can not solve for you. Sometimes the tire pressure module goes bad, which is the same module related to the OBP being successful. If this happens the module may need to be replaced.

2011+ FORD PATS SYSTEMS
(((((FORD FACTORY ALARM))))



ALL KEYS LOST SITUATIONS IF YOU SET OFF THE ALARM IT NEEDS TO BE RESET BEFORE YOU CAN PROGRAM KEYS

CLEAR KEYS

"ACCESS DENIED"

The tester will display "ACCESS DENIED"

2011+ model factory alarms will <u>not</u> reset simply by turning the key in a door lock.

<u>SOLUTIONS:</u>



There are 2 ways of re-setting the alarm to allow for key programming:



1. Program in a 3 or 4 button separate remote like the ones shown below. (Use the on-board programming instructions on the next page) Then use the remote to disarm the alarm.

2. Read the key-pad code (if the car or truck is equipped with one) and then use the door key-pad to disarm the alarm.

HELPFUL HINT:
If your doing lost keys on these vehicles
It's a great idea to have a few of these remotes on hand so you're ready for this and wont get stuck needing one because of the FORD ALARM.

WATCH VIDEO - 2011 F-150 KEYPAD READ



WATCH VIDEO - 2014 F-150 NO KEYPAD



VEHICLES THAT MAY REQUIRE ON-BOARD PROGRAMMING METHODS FOR PROGRAMMING REMOTES



ON BOARD STEPS #1 (Used on Most Models) For On-Board Programming Remotes:



1	Close all doors and then open drivers door and press the UNLOCK button on drivers door panel while door is open and insert key in ignition.
2	Turn ignition from OFF to RUN 8 times within 10 seconds, with the 8th time ending in RUN. Door locks will cycle to confirm programming mode.
3	Within 20 seconds press any button on first keyless remote. Door locks will cycle to confirm programming.
4	Within 20 seconds, press any button on second keyless remote. Door locks will cycle again to confirm programming.
5	Turn ignition to OFF. Locks will again cycle to indicate end of programming mode.

ON BOARD STEPS #2 (Used on Fiesta) For On-Board Programming a Remotes:

1	Turn the ignition switch from off to run four times in rapid succession (within six seconds), with the fourth turn ending in off. If the program mode is successfully entered, a chime will sound. Note: If no action is taken within 10 seconds after a transmitter has been programmed, the programming sequence ends.
2	Within 10 seconds, press any button on the transmitter to be programmed. A chime will sound to confirm that the transmitter is programmed. Repeat this step for each transmitter. Note: There is no chime or any other confirmation upon exiting the programming mode.
3	Exiting the programming mode is accomplished if one of the following occurs: • The ignition is turned on. • Ten seconds have passed since entering the programming mode or since the last transmitter was programmed. • The maximum number (eight) of transmitters has been programmed.
4	Within 20 seconds, press any button on second keyless remote. Door locks will cycle again to confirm programming.

2011-2013 FIESTA
With KEYED IGNITION
(SELECTED BY VEHICLE)

Proper vehicle ID is critical for successful programming.
IMPORTANT NOTE- Do not use the date on the production sticker to ID the year, use the VIN number.

SPECIAL FUNCTIONS

CLEAR KEYS - This procedure ERASES all currently programmed keys from the system memory.
After the erase procedure completes PROGRAM KEYS is used to introduce keys back in.

PROGRAM KEYS- This procedure add's a key into memory without affecting any other programmed keys already in the system.
Use this function after ERASE KEYS or when you want to ADD A KEY without erasing any other previously programmed keys.
When using ADD KEY make sure have that there is an UN-PROGRAMMED KEY you want to ADD in the ignition during the ADD KEY procedure.

KEYS PROGRAMMED- This function reads the number of programmed keys.
It's always a good idea to use this to see how many keys are in the system PRIOR to and AFTER any key programming is performed.

TIPS:

Before using ERASE KEYS make sure you have at least 2 keys ready.
After Programming wait a few seconds before testing keys.

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-175 ADS-133	ADC-250 / ADC- 251 G (GREY) DONGLE
MAX # OF KEYS:	**SMART DONGLE?**
8	YES
KEYS:	**SECURITY:**
Re-usable	10 Minute wait bypassed, TCODE must have ADS-133 and Smart Card activated.
	COMPONENTS MATCHED?
	DASH IMMO & PCM ARE MATCHED
	MATCHING CAPABILITY?
	Parameter Reset available on some models. See Parameter Reset Section

SECURITY LIGHT / THEFT INDICATOR:

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

MORE INFO:

2011-2013 FIESTA
With KEYED IGNITION
(SELECTED BY VEHICLE)

Use this method for: CLEAR ERASE KEYS

WHEN USING CLEAR ERASE KEYS
MAKE SURE TO HAVE 2 KEYS READY!

START HERE:

Select:

+FORD
+USA
+VEHICLE SMC wont be used during the procedure but you're tester does need to have it activated.



Select by Vehicle & Model Year - not by system.

VEHICLE SELECTION	
+ AVIATOR	+ FUSION
+ BLACKWOOD	+ F150/250
+ CONTINENTAL	+ F250/350
+ CONTOUR	+ F250 SUPER DIESEL
+ COUGAR	+ F350
+ CROWN VICTORIA	+ GRAND MARQUIS
+ E SERIES VAN	+ LS
+ EDGE	+ MARAUDER
+ ESCAPE	+ MARINER
+ EXCURSION	+ MARK LT
+ EXPEDITION	+ MARK VIII
+ EXPLORER	+ MILAN
+ EXPLORER SPRTRAC	+ MKX
+ FIESTA	+ MKZ
+ FIVE HUNDRED	+ MKS
+ FOCUS	+ MKT

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Select the model year you are working on
2010-2013
2014-2015

VEHICLE SELECTION
NON PROXIMITY
PROXIMITY

◀ ▲ ↵ ▼ ▶

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION
FORD 2011
PATS 3 CAN (PCM)

PRESS ENTER KEY

> ECU IDENTIFICATION:
To display the ECU ID

> FAULT CODES:
To check & clear faults

> SPECIAL FUNCTIONS:
Program keys

Make your selection and press the Enter key.

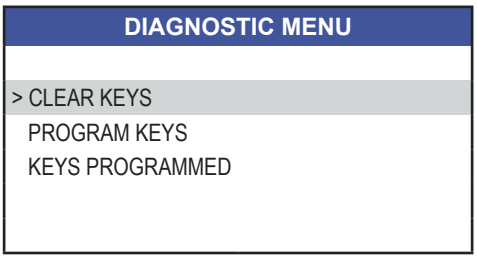
DIAGNOSTIC MENU
ECU IDENTIFICATION
> SPECIAL FUNCTIONS

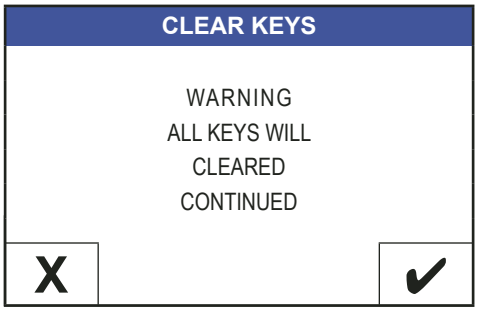
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2011-2013 FIESTA
With KEYED IGNITION
(SELECTED BY VEHICLE)

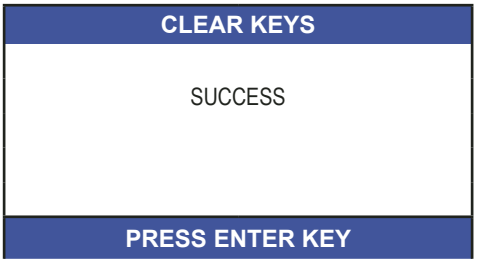
Use this method for: CLEAR ERASE KEYS - Cont'd











On **FIESTA** models -

Once the keys are Cleared / Erased.
You must program each new key using the MVP / TCODE.

Select "PROGRAM KEYS" to program any and all keys.

Each key needs to be programmed separately using the MVP / TCODE.

2011-2013 FIESTA
With KEYED IGNITION
(SELECTED BY VEHICLE)

Use this method for: ADDING KEYS

WHEN USING PROGRAM KEYS
MAKE SURE TO HAVE THE NEW KEY YOU ARE ADDING IN THE IGNITION!

START HERE:

Select:
+FORD
+USA
+VEHICLE SMC wont be used during the procedure but you're tester does need to have it activated.




Select by Vehicle & Model Year - not by system.

VEHICLE SELECTION	
+ AVIATOR	+ FUSION
+ BLACKWOOD	+ F150/250
+ CONTINENTAL	+ F250/350
+ CONTOUR	+ F250 SUPER DIESEL
+ COUGAR	+ F350
+ CROWN VICTORIA	+ GRAND MARQUIS
+ E SERIES VAN	+ LS
+ EDGE	+ MARAUDER
+ ESCAPE	+ MARINER
+ EXCURSION	+ MARK LT
+ EXPEDITION	+ MARK VIII
+ EXPLORER	+ MILAN
+ EXPLORER SPRTRAC	+ MKX
+ FIESTA	+ MKZ
+ FIVE HUNDRED	+ MKS
+ FOCUS	+ MKT

◀ ▲ ↵ ▼ ▶

Select the model year you are working on
2010-2013
2014-2015

VEHICLE SELECTION
NON PROXIMITY
PROXIMITY

◀ ▲ ↵ ▼ ▶

SWITCH IGNITION ON

PRESS ENTER KEY

MAKE CERTIAN THE KEY YOU WANT TO ADD IS THE ONE THAT IS IN THE IGNITION!

ECU IDENTIFICATION
FORD 2011
PATS 3 CAN (PCM)
PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
> SPECIAL FUNCTIONS

2011-2013 FIESTA
With KEYED IGNITION
(SELECTED BY VEHICLE)

Use this method for: ADDING KEYS - Cont'd



DIAGNOSTIC MENU

CLEAR KEYS
> PROGRAM KEYS
KEYS PROGRAMMED

KEYS PROGRAMMED

KEYS PROGRAMMED: 0
KEY STATUS: UNPROGRAMMED

PRESS ENTER KEY

On **FIESTA** models -

Each key needs to be programmed separately using the MVP / TCODE.

ADDITIONAL KEYS

IGNITION ON

PRESS ENTER KEY

ADDITIONAL KEYS

INSERT KEY TO PROGRAM
IGNITION ON

PRESS ENTER KEY

CYCLE THE KEY OFF THEN BACK ON NOW.....

ADDITIONAL KEYS

SUCCESS

CYCLE IGNITION TO PROGRAM

PRESS ENTER KEY

2012-2015 FOCUS, ESCAPE / 14-15 FIESTA / 14-16 TRANSIT CONNECT KEYED MODELS

Proper vehicle ID is critical for successful programming.
IMPORTANT NOTE- Do not use the date on the production sticker to ID the year, use the VIN number.

SPECIAL FUNCTIONS

CLEAR KEYS - This procedure takes 10 minutes and ERASES all currently programmed keys from the system memory.
Once the CLEAR KEYS function is completed the cars transponder system will "self learn" the first 2 keys that are cycled in the ignition. When performing CLEAR KEYS there is no need to use the PRO to do anything other than ERASE the keys then the car does the rest of the work, simply by learning the first 2 keys that are cycled. in the ignition.
After the erase procedure completes cycle both keys to the ON position for 5 seconds each.
They can be either brand new or previously programmed keys but you must have 2 individual keys to cycle in after the ERASE.

ADD KEY- This procedure takes 10 minutes and add's a key into memory without affecting any other programmed keys already in the system**.**
Use this function when you want to ADD A KEY without erasing any other previously programmed keys.
When using ADD KEY make sure have that there is an UN-PROGRAMMED KEY you want to ADD in the ignition during the ADD KEY procedure.

KEYS PROGRAMMED- This function reads the number of programmed keys.
It's always a good idea to use this to see how many keys are in the system PRIOR to and AFTER any key programming is performed.

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-175	ADC-250 / ADC- 251 G (GREY) DONGLE
MAX # OF KEYS:	**SMART DONGLE?**
8	YES
KEYS:	**SECURITY:**
Re-usable	10 Minute wait / No bypass is available for any of these, must wait the 10 minutes.
	COMPONENTS MATCHED?
	DASH IMMO & PCM ARE MATCHED
	MATCHING CAPABILITY?
	Parameter Reset available on some models. See P.

SECURITY LIGHT / THEFT INDICATOR:

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

TIPS:

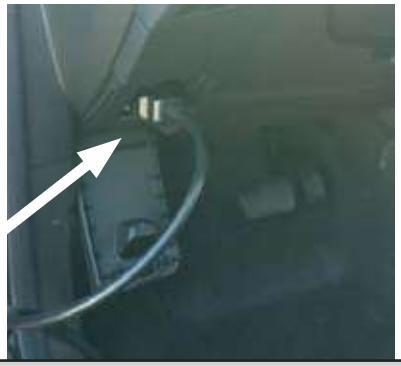
Before using ERASE KEYS make sure you have at least 2 keys to cycle in the ignition.
After Programming wait a few seconds before testing keys.

The OBD2 Port located

behind a trap door on

the dash.

.



MORE INFO:

2012-2015 FOCUS, ESCAPE / 14-15 FIESTA / 14-16 TRANSIT CONNECT
KEYED MODELS

START HERE:

Select:
+FORD
+USA
+VEHICLE

On all ADS-175 vehicles you select by Model - not by system.

Select the exact model.
Next, select the Year, if needed.
For Keyed Ignition models select:
BLADED

VEHICLE SELECTION	
+ AVIATOR	+ FUSION
+ BLACKWOOD	+ F150/250
+ CONTINENTAL	+ F250/350
+ CONTOUR	+ F250 SUPER DIESEL
+ COUGAR	+ F350
+ CROWN VICTORIA	+ GRAND MARQUIS
+ E SERIES VAN	+ LS
+ EDGE	+ MARAUDER
+ ESCAPE	+ MARINER
+ EXCURSION	+ MARK LT
+ EXPEDITION	+ MARK VIII
+ EXPLORER	+ MILAN
+ EXPLORER SPRTRAC	+ MKX
+ FIESTA	+ MKZ
+ FIVE HUNDRED	+ MKS
+ FOCUS	+ MKT

◀ ▲ ↵ ▼ ▶

VEHICLE SELECTION

+ BLADED
+ PROX

◀ ▲ ↵ ▼ ▶



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

VIN: 1FAHP3M28EL356661

KEYS PROGRAMMED: 02

PRESS ENTER KEY

Once communication is established the VIN and the number of keys programmed should display.

DIAGNOSTIC MENU

ECU IDENTIFICATION
> SPECIAL FUNCTIONS

Once you get to this point continue to the next step

CLEAR KEYS or ADD KEY.

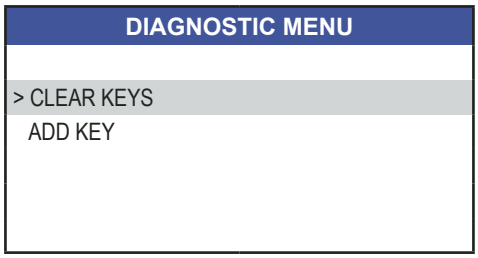
(Depending on which special function you want to perform).

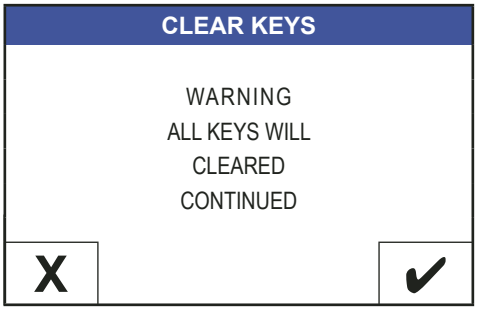
2012-2015 FOCUS, ESCAPE / 14-15 FIESTA / 14-16 TRANSIT CONNECT
KEYED MODELS

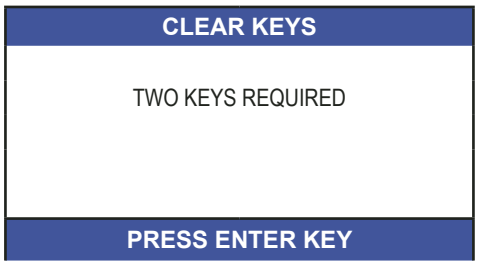
Use this method for: CLEAR ERASE KEYS

WHEN USING CLEAR ERASE KEYS
MAKE SURE TO HAVE 2 KEYS READY!



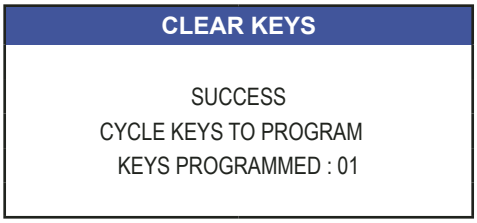






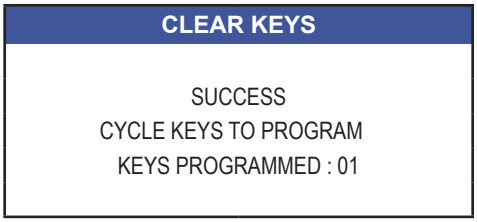
This warning message is just reminding you that if you CLEAR KEYS you need 2 keys to cycle and program.





Once the SUCCESS message appears cycle the key in the ignition to “OFF” then back to “ON”.

KEYS PROGRAMMED : should display 1



Remove the 1st key from the ignition and cycle the 2nd key to “ON”.

KEYS PROGRAMMED : should now display 2

Disconnect the tester & test the keys.

2012-2015 FOCUS, ESCAPE / 14-15 FIESTA / 14-16 TRANSIT CONNECT
KEYED MODELS

Use this method for: ADDING KEYS

WHEN USING PROGRAM KEYS
MAKE SURE TO HAVE THE NEW KEY YOU ARE ADDING IN THE IGNITION!



DIAGNOSTIC MENU
CLEAR KEYS
> ADD KEY

ADD KEY
2 KEYS REQUIRED
PRESS ENTER KEY

Do not let this message confuse you.
Even when just ADDING A KEY this message will show up.
All it means is that there must be at least 2 keys PROGRAMMED IN MEMORY for the car to run.
If you are ADDING A KEY and there are 2 keys already programmed you only need 1 key with you to ADD.

ADD KEYS
PLEASE WAIT
APPROX 10 MIN
00 m 45 s

A timer should run showing approximate time elapsed.

Be certain to remain connected to the vehicle
and that good battery charge of at least 12 Volts is maintained!

ADD KEYS
SUCCESS
READING KEY / STORING KEY
KEYS PROGRAMMED : 03

Once the SUCCESS message appears cycle the key in the ignition to “OFF” then back to “ON”.

KEYS PROGRAMMED :
Should display the new number of keys programmed.

Disconnect the tester & test the keys.

2012-2015 FOCUS, ESCAPE / 14-15 FIESTA / 14-16 TRANSIT CONNECT
KEYED MODELS

REMOTE FUNCTIONS

IF YOU ARE PROGRAMMING REMOTE HEAD KEYS ON THESE MODELS SOMETIMES THE RKE BUTTONS MUST BE PROGRAMMED IN USING ONLY THE CAR, NOT THE PRO.

This is done via an “On-Board Programming Procedure” - Here’s how to do it-

1. Close all doors and fasten the seat belt to ensure conflicting chimes do not sound during programming.

2. Turn the ignition lock form OFF (2) to ON (3) at least 4 times in 6 seconds.

3. Switch off the ignition. Now the RKE control module has entered the "learning mode" for 10 seconds. This mode is indicated by a chime.

4. While the RKE control module is in the "learning mode", press and hold one of the buttons of the remote transmitter until a chime sounds. This indicates a new RKE has been successfully programmed. Now, another 10 seconds "learning mode" is automatically entered. Another transmitter can now be programmed (repeat step 4).

5. The system will leave the "learning mode" after starting the ignition, if no new transmitter is programmed during the 10 seconds, or if the Max of 4 remotes have been programmed.
After successful programming, only the new programmed transmitters will work.
Note that an incorrect programming procedure dose not erase currently programmed RKE’s.

6. Test all RKE button for proper functioning.

Parameter Reset
Overview

A parameter reset procedure can sometimes be useful when a vehicle's instrument cluster or PCM module has been replaced and there is PATS MIS-MATCH situation. Sometimes a fault code like "SCP MESSAGE MISSING" will be a clue to this condition.
However, depending on where the parts came from they need to "re-flashed" with the proper vehicle information before they can be succesfully installed.

Please keep in mind that a PARAMET RESET may or may not solve any pre-existing vehicle issues that may be the cause of any "no start condition."

Please NOTE that AD cannot not refund any lost tokens used for parameter reset functions.

Here are a few helpful notes:

> ALWAYS check the 10 digit of the VIN number to verify the year of the vehicle, then check the PARMETER RESET COVERAGE GRID for the correct system protocol.

> Some vehicles are selected using BY SYSTEM & NOT BY VEHICLE & some get selected only BY VEHICLE.

>If the vehicle's instrument cluster is changed on a PCM or Pats 3 system vehicle, a parameter reset procedure may not necessary because the keys are stored in the PCM. You may only need to CLEAR/ERASE/PROGRAM keys to get the vehicle running again.

>It's always a great idea to check "keys programmed" before, during and after jobs. It's also a great idea to apply extra power to the vehicle during programming.

>Some vehicles may be listed as using one protocal to ERASE / CLEAR / PROGRAM keys in the KEY LOOK UP GRIDS but are listed as HEC in the PARAMETER RESET COVERAGE chart. This is because a PARAMETER RESET is accomplished by selecting HEC even though the keys programming uses another protocal (for example PATS2). You may have to CLEAR ERASE & PROGRAM 2 keys prior to a PARAMETER RESET depending on what was changed. This ensures that the keys used are actually stored in the vehicles memory. HEC/ICM/VIC protocal cars the key memory is stored in the dashboard so it's absolutely essential to do this if the dash is what has been changed.

> Sometimes, performing what's called a "Hard Reset" which is to momentarily disconnect the vehicles battery helps after performing PARAMETER RESET function to reset the vehicle computer memory or KAM. After re-connecting the battery cycle 1 of the keys in the ignition 5 times ON/OFF waiting 5 seconds during each ON cycle. This completes the KAM procedure. Wait 2 minutes prior to testing keys.

>If after selecting PARAMETER RESET an option appears to bypass the 10 minute security wait, say NO & instead opt for the 10 MINUTE WAIT.

Parameter Reset Coverage

FORD / LINCOLN / MERCURY VEHICLES & PARAMETER RESET SOFTWARE REQUIRED ON TCODE			
HEC (ADS-100)	**CAN4 (ADS-190)**	**CAN5 (ADS-190)**	**BY VEHICLE (ADS-190)**
Blackwood 02 Expedition F-150 99-03 F-150 04 (Heritage) Navigator 99-02 Mustang 99-04 Towncar 98-02 LS 00-06 Thunderbird 02-05 Windstar 99-00 Crown Vic 98-02 Excursion 00-05 Explorer 2dr 98-01 Explorer 4dr 98-01 Explorer Spts track Grand Marquis 98-02 Mountaineer 98-01 Mustang GT 05-06 Mustang 98 Ranger 3.0/4.0 99-00 Taurus 98-99 Sable 98-99	E-Series Van 08-09 Edge 07-09 Escape 08 Expedition 07-08 Explorer 06-09 Explorer Spt Track 06-09 F-250 08-09 F-350 08-09 Flex 09 Freestyle 07-08 Mark LT 08-09 Milan 06-09 Mariner 08 Mountaineer 06-09 MKX 07-09 MKZ 07-09 Navigator 07-08 Taurus 08-09 Sable 08-09 Zephyr 06	Escape 09-12 Expedition 09-13 F-150 09-10 Flex 10-12 Focus 08-11 Mariner 09-11 Mountaineer 06-09 Navigator 09-12	E-Series Van 10-13 Edge 10-13 (Keyed model only) Explorer 10-13 Explorer Spt Track 10-12 F-150 11-12 F-250 10-12 F-350 10-12 Flex 13 Focus 12-14 (Keyed model only) Fusion gas 10-12 Milan 10-11 MKZ 10 MKX 10-12 Mountaineer 10-11 Mustang 10-12 Taurus 10-12 (Keyed model only) Taurus 13 (Keyed model only) Transit 10-13
MAZDA VEHICLES WITH AVAILABLE PARAMETER RESET (ADS-190)			
Mazda 2 08-13 (Select “By Vehicle”) Mazda 3 09-13 (Select “By Vehicle”) Mazda 5 12 (Select “By Vehicle”) Mazda 2 08 (Select “By Vehicle”) Mazda 6 08-12 (PCM) (Part #1 of a TWO STEP PROCESS USING E DONGLE) (Select “By Vehicle”) Mazda 6 08-12 (ICM) (Part #2 of a TWO STEP PROCESS USING E DONGLE) (Select “By Vehicle”) Mazda B Series 99-00 (Select HEC)	Mazda B Series 07-10 (Select Pats 4) Mazda CX7 09-12 (Select “By Vehicle”) Mazda CX9 09-13 (Select “By Vehicle”) Mazda MX5 09-11 (Select “By Vehicle”) Mazda RX8 09-11 (Select “By Vehicle”) Mazda Tribute 08 (Select Pats 4) Mazda Tribute 09-11 (Select Pats 5)		



WATCH VIDEO- READING THE DOOR KEYPAD CODE ON 2007 EDGE.

FORD - REMOTES & KEYPAD READING FUNCTIONS				ALL USE OBD2, ADC-250 OR 251 CABLE
MODEL	**YEAR**	**TYPE**	**DONGLE**	**AVAILABLE FUNCTIONS** (SOME FUNCTIONS MAY DEPEND ON TRIM LEVEL)
CROWN VIC	98-04	REMOTES 1	A / SD	ERASE / PROGRAM / KEYPAD CODE / TEST
CROWN VIC	05-11	REMOTES 2	A / SD	KEYPAD CODE
EDGE	07-10	REMOTES 6	A / SD	KEYPAD CODE
EDGE	11-13	REMOTES 8	A / SD	KEYPAD CODE
EDGE PROX	11-12	REMOTES 9	L / SD	KEYPAD CODE
ESCAPE	08	REMOTES 6	E / SD	KEYPAD CODE
ESCAPE	10-12	REMOTES 6	E / SD	KEYPAD CODE / TEST
EXPEDITION	98-02	REMOTES 3	A / SD	KEYPAD CODE / TEST
EXPEDITION	05-06	REMOTES 7	E / SD	KEYPAD CODE
EXPEDITION	07-08	REMOTES 6	E / SD	KEYPAD CODE
EXPEDITION	12-14	REMOTES 6	E / SD	KEYPAD CODE
EXPLORER	95-01	REMOTES 3	A / SD	KEYPAD CODE / TEST
EXPLORER	06-08	REMOTES 6	E / SD	KEYPAD CODE
EXPLORER	10-12	REMOTES 8	A / SD	KEYPAD CODE
EXPLORER PROX	10-12	REMOTES 9	L / SD	KEYPAD CODE
EXPLORER SPORT 2DR	02	REMOTES 3	A / SD	KEYPAD CODE / TEST
EXPLORER SPORT TRAC	01-05	REMOTES 3	A / SD	KEYPAD CODE / TEST
EXPLORER SPORT TRAC	06-08	REMOTES 6	E / SD	KEYPAD CODE
F-150	00-03	REMOTES 3	A / SD	KEYPAD CODE / TEST
F-150 HERITAGE	04	REMOTES 3	A / SD	KEYPAD CODE / TEST
F-150	09-10	REMOTES 9	E / SD	KEYPAD CODE
F-150	11-13	REMOTES 8	A / SD	KEYPAD CODE
F-250 HARLEY	08-10	REMOTES 6	E / SD	KEYPAD CODE
F-350	08-10	REMOTES 6	E / SD	KEYPAD CODE
F-450	08-10	REMOTES 6	E / SD	KEYPAD CODE
FIVE HUNDRED	05-07	REMOTES 6	E / SD	KEYPAD CODE
FLEX	09-12	REMOTES 6	E / SD	KEYPAD CODE
FLEX	13	REMOTES 8	A / SD	KEYPAD CODE
FREESTYLE	05-07	REMOTES 6	E / SD	KEYPAD CODE
FUSION	06-11	REMOTES 6	E / SD	KEYPAD CODE
TAURUS	96-99	REMOTES 3	A / SD	KEYPAD CODE / TEST
TAURUS	04-09	REMOTES 6	E / SD	KEYPAD CODE
TAURUS SEL	04-09	REMOTES 6	E / SD	KEYPAD CODE
TAURUS SEL	13	REMOTES 8	E / SD	KEYPAD CODE

INTELLIGENT KEY
PROX MODELS
(2 STEP PROCESS)

SPECIAL FUNCTIONS

Two separate procedures are needed to fully program PROX keys.

STEP #1 - PERFORM THIS FIRST

INTELLIGENT KEY - This programs the RKE & PROX functions.

ERASE OR ADD is available.
Follow the prompts on the tester.
At the end of the 10 minute security access, follow the prompts on the tester and press the unlock button on the PROX as instructed by the tester.
For this step the PROX can be anywhere inside the car and placement is not critical.

STEP #2 - PERFORM THIS SECOND

This just programs the transponder inside the PROX.

ERASE OR ADD is available.
Follow the prompts on the tester.
At the end of the 10 minute security access follow the prompts and hold the PROX up to the learning area as shown on the previous page. (Placement is critical for this step).

If this step is not performed then if the battery in the PROX dies then the transponder inside the PROX will not be recognized and the car will not start. So it's important to make sure this step is not skipped.

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-209	ADC-250 / ADC- 251 G (GREY) & L (PINK) DONGLES
MAX # OF PROX KEYS:	**SMART DONGLE?**
4	YES
PROX KEYS:	**SECURITY:**
Re-usable	10 Minute wait / No bypass is available for any of these, must wait the 10 minutes.
	COMPONENTS MATCHED?
	DASH IMMO & RFH / PCM ARE MATCHED
	MATCHING CAPABILITY?
	NOT AVAILABLE

SECURITY LIGHT / THEFT INDICATOR:

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

ATTENTION MVP PRO USERS:
Because TWO separate procedures and a dongle change is required,
2 tokens will be needed to complete the programming of these cars.
Because Fiesta Prox does not require switching dongles and is done all using
the "L" dongle.

Fiesta Prox can be done with just one token.

TIPS:

After Programming wait a few seconds before testing keys.

MORE INFO:

INITIAL ACCESS TIME-OUT
On intelligent access equipped cars after first plugging in and turning the PRO on with the "L" dongle connected
The car may need about 1 minute to respond.
This is normal, just stay connected and wait 1 minute or so before proceeding with programming.

INTELLIGENT KEY
PROX MODELS
(2 STEP PROCESS)

MORE ADDITIONAL INFO

Intelligent Keys (Except FIESTA) require 2 STEPS, 2 separate 10 minute procedures.

STEP # 1 with the "G" dongle programs just the Transponder inside the PROX key.

STEP # 2 with the "L" dongle programs the "Intelligent key" (RKE buttons & proximity).

TRANSPONDER - This deals with just the transponder inside the PROX and programs the transponder so that it works by holding the PROX up to the learning area on the column if the battery inside the PROX goes flat.

INTELLIGENT KEY - This deals only with the RKE buttons and the ability to use the PROX to start the car anywhere inside vehicle compartment.

Transponder Learning Area

The positioning is extremely important when programming the Transponder portion of the PROX.



The PROX must be held up precisely as shown here.
We found that this is the best way to position the PROX for success.

Notice there are two types of columns:
One has a round learning area
the other has an indent.
It does not matter which one the car has.
The PROX should be held up the same way.



INTELLIGENT KEY
PROX MODELS
(2 STEP PROCESS)

WHEN USING CLEAR ERASE KEYS
MAKE SURE TO HAVE 2 KEYS READY!

STEP # 1 - with the "L" dongle programs just the INTELLIGENT KEY part of the prox key.

USING L DONGLE OR SD

START HERE:

Select:
+FORD
+USA
+BY VEHICLE
+PROX
+YEAR
+INTELLIGENT KEY

VEHICLE SELECTION

TRANSPONDER
INTELLIGENT KEY

◄ ▲ ↵ ▼ ►



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

LEAVE IGN OFF

PRESS ENTER KEY

The Ignition does NOT need to be turned "ON".
Stays OFF for the entire procedure

ECU IDENTIFICATION

FORD PROX

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU

> CLEAR / PROGRAM KEYS
ADDITIONAL KEYS
KEYS PROGRAMMED

DIAGNOSTIC MENU

> CLEAR / PROGRAM KEYS
ADDITIONAL KEYS
KEYS PROGRAMMED

SELECT:
"CLEAR / PROGRAM KEYS"
if you want to ERASE all KEYS
OR
"ADDITIONAL KEYS"
if you just want to ADD.

INTELLIGENT KEY
PROX MODELS
(2 STEP PROCESS)

STEP # 1 - CONT'D

CLEAR KEYS

WARNING
ALL KEYS WILL
CLEARED
CONTINUED

X ✔

TIMED ACCESS

PLEASE WAIT
APPROX 10 MIN
00 m 03 s

WAIT THE 10 MINUTES

ACCESS GRANTED

CLEAR PROX

SUCCESS

PRESS ENTER KEY

NOW USE "ADDITIONAL KEYS" TO PROGRAM IN AT LEAST 2 PROX

DIAGNOSTIC MENU

CLEAR / PROGRAM KEYS
> ADDITIONAL KEYS
KEYS PROGRAMMED

ADD KEY

2 KEYS REQUIRED

PRESS ENTER KEY

Don't let this message confuse you.
It's only telling you that there must be 2 keys in memory. If you are adding just adding 1 you don't need the others to be present.

PROGRAM PROX

HOLD THE UNLOCK BUTTON

Place the PROX anywhere near the center console

PRESS & HOLD THE UNLOCK BUTTON ON THE PROX.

PROGRAM PROX

SUCCESS

PRESS ENTER KEY

If the PROX programs, "SUCCESS" will be displayed.

PROGRAM PROX

DO YOU WANT TO
PROGRAM
ANOTHER PROX

X ✔

Program more PROX if you have more to program.

PROGRAM PROX

NOT DETECTED

PRESS ENTER KEY

If the PROX fails to program
"NOT DETECTED"
Should be displayed.
Check that you are using the correct PROX.
Check the battery in the PROX
you are trying to program.

INTELLIGENT KEY
PROX MODELS
(2 STEP PROCESS)

STEP # 2 with the "G" dongle programs just the TRANSPONDER inside the PROX KEY

USING G DONGLE OR SD

START HERE:

Select:

+FORD
+USA
+BY VEHICLE
+PROX
+YEAR
+TRANSPONDER

VEHICLE SELECTION

TRANSPONDER
INTELLIGENT KEY

◄ ▲ ↵ ▼ ►



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

LEAVE IGN OFF

PRESS ENTER KEY

The Ignition does NOT need to be turned "ON".
Stays OFF for the entire procedure

ECU IDENTIFICATION

VIN: 1FAHP3M28EL696969

KEYS PROGRAMMED: 02

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU

> CLEAR / PROGRAM KEYS
ADDITIONAL KEYS
KEYS PROGRAMMED

CLEAR KEYS

WARNING
ALL KEYS WILL
CLEARED
CONTINUED

X ✔

If you selected CLEAR KEYS a warning will display.
Touch the check mark to continue
or
Touch the X to go back.

PLEASE WAIT
APPROX 10 MIN
00 m 26 s

WAIT THE 10 MINUTES

INTELLIGENT KEY
PROX MODELS
(2 STEP PROCESS)

STEP # 2 - CONT'D

ACCESS GRANTED

PROGRAM TRANSPONDER

HOLD PROX FOB
ON THE FLAT SPOT
OF STEERING COLUMN

PRESS ENTER KEY

Press ENTER then hold Prox up

PROGRAM TRANSPONDER

SUCCESS

PRESS ENTER KEY

"SUCCESS"
Should display when the transponder programs.

"NOT DETECTED"
This means the transponder did not program.
The next screen will ask you if you want to try again.
Repeat if necessary!

PROGRAM TRANSPONDER

NOT DETECTED

PRESS ENTER KEY

PROGRAM TRANSPONDER

DO YOU WANT TO
PROGRAM
ANOTHER TRANSPONDER

X ✔



If all the transponders you want to program have been accepted then touch the X.
If you need to try again or program more
Transponders touch the check mark.

Please be sure you have the correct FORD prox remote for the vehicles listed in the apps guide that require the ADS-209 software. For example the first prox remote pictured is for an 2012 C-Max & has an CJ in the part number, however in the second picture the part number starts with BA, which does not have the correct frequency & will result in an "NOT DETECTED" message no matter how many times you position it correctly against the transponder learning area. BA or BT are for the Euro Zone. CJ is for the USA market.



2011-2016 FIESTA PROX

SPECIAL FUNCTIONS

UNLIKE SOME OTHER LATE MODEL ADS-209 PROX VEHICLES THIS IS A ONE STEP PROCESS.

CLEAR / PROGRAM KEYS-
Clears all transponders and lets you program in new ones.

ADDITIONAL KEYS-
Adds transponders without clearing old ones.

KEYS PROGRAMMED-
Displays how many transponders are programmed.

T-CODE SOFTWARE #	CABLE / DONGLE:
2011-2013 ADS-175 2014-2016 ADS-209	ADC-250 / ADC- 251 L (PINK) DONGLE
MAX # OF PROX KEYS:	**SMART DONGLE?**
4	YES
PROX KEYS:	**SECURITY:**
OEM PROX Re-usable	10 MINUTE WAIT CAN BE BYPASSED ON 2011-2013. BUT CANNOT BE BYPASSED ON 2014-2016 MODELS.
	COMPONENTS MATCHED?
	IMMO, PCM, RFA & BCM ARE MATCHED
	MATCHING CAPABILITY?
	NOT AVAILABLE

SECURITY LIGHT / THEFT INDICATOR:

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

WATCH VIDEO - FORD PROX INFO



TIPS:

After Programming wait a few seconds before testing keys.

MORE INFO:





2011-2013 FIESTA PROX LEARNING AREA



2013-2016 FIESTA PROX LEARNING AREA

2011-2016 FIESTA PROX

Use this method for: SELECTING

USE "L" DONGLE OR SD

START HERE:

Select:
+FORD
+USA
+BY VEHICLE
+FIESTA
+PROX

Next Select:
+2011-2013
OR
+2014>

(Select the one you are working on)

VEHICLE SELECTION

+ 2011-2013
+ 2014

◀ ▲ ↵ ▼ ▶

VEHICLE SELECTION

RFA

◀ ▲ ↵ ▼ ▶

SELECT: RFA



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

LEAVE IGN OFF

PRESS ENTER KEY

ECU IDENTIFICATION

FORD PROX

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU

CLEAR / PROGRAM KEYS
ADDITIONAL KEYS
KEYS PROGRAMMED

>>>>>>The Ignition does NOT need to be turned "ON".>>>>>>

In fact, it stays OFF for the entire procedure>>>>>>>>>>>>>>>>>>

2011-2016 FIESTA PROX

Use this method for: CLEAR ERASE KEYS

WHEN USING CLEAR ERASE KEYS
MAKE SURE TO HAVE 2 KEYS READY!

DIAGNOSTIC MENU

> CLEAR / PROGRAM KEYS
ADDITIONAL KEYS
KEYS PROGRAMMED

CLEAR KEYS

WARNING
ALL KEYS WILL
CLEARED
CONTINUED

X ✔

The number of programmed of
PROGRAMMED KEYS
&
The number of PROGRAMMED KEYS
Currently inside the car
Should display.

KEYS PROGRAMMED

KEYS PROGRAMMED : 3
PROG KEYS IN CABIN : 0

PRESS ENTER KEY

MAKE SURE YOU HAVE 2 PROX READY

Leave the Ignition “OFF”

CLEAR KEYS

IGNITION OFF

PRESS ENTER KEY

A timer will display the approximate time elapsed.

It’s not unusual for the timer to run past 10 minutes.
Be patient.

NOTE: 2011-2013 FIESTA PROX 10 Min wait CAN BE BYPASSED
(requires that your PRO has Smart Card actived and also must have ADS-133 software.

TIMED ACCESS

PLEASE WAIT
APPROX 10 MIN
00 m 03 s

TIMED ACCESS

ACCESS GRANTED

Leave the Ignition “OFF”

CLEAR KEYS

IGNITION OFF

PRESS ENTER KEY

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2011-2016 FIESTA PROX

Use this method for: CLEAR ERASE KEYS - Cont'd

After CLEAR KEYS
A minimum of 2 keys is required.

Maximum number that
can be programmed is 4.

PROGRAM KEYS
2 KEYS REQUIRED MAX. 4 KEYS ALLOWED
PRESS ENTER KEY

This screen is telling you what to do next
AFTER you
PRESS ENTER.

Be ready with TWO PROX
that you want to Program.

PROGRAM PROX FOB
WHEN PROMPTED PRESS UNLOCK FOR 15 SEC ON PROX FOB 1
PRESS ENTER KEY

Holding the PROX near the center console
press and hold the
UNLOCK button on the PROX
for approx. 15 seconds.

PROGRAM PROX FOB
PRESS UNLOCK FOR 15 SEC

If the PROX RKE programs successfully
PROX FOB 1 should be displayed.

PROGRAM PROX FOB
PROX FOB 1 SUCCESS
PRESS ENTER KEY

Hold the PROX up to the
Steering column

PROGRAM TRANSPONDER
HOLD PROX FOB 1 ON THE FLAT SPOT OF STEERING COLUMN
PRESS ENTER KEY

2011-2016 FIESTA PROX

Use this method for: CLEAR ERASE KEYS - Cont'd

If the TRANSPONDER Programs
Successfully
TRANSPONDER 1 SUCCESS
Should display.

PROGRAM PROX FOB

TRANSPONDER 1
SUCCESS

PRESS ENTER KEY

This screen is telling you what to do next
AFTER you
PRESS ENTER.

Be ready with TWO PROX
The 2nd PROX you want to program.

PROGRAM PROX FOB

WHEN PROMPTED PRESS
UNLOCK FOR 15 SEC
ON PROX FOB 2

PRESS ENTER KEY

Holding the PROX near the center console
Press and hold the
UNLOCK button on the PROX
For approx. 15 seconds.

PROGRAM PROX FOB

PRESS UNLOCK
FOR 15 SEC

If the PROX RKE programs successfully
PROX FOB 1 should be displayed.

PROGRAM PROX FOB

PROX FOB 2
SUCCESS

PRESS ENTER KEY

Hold the PROX up to the
Steering column.

PROGRAM TRANSPONDER

HOLD PROX FOB 2
ON THE FLAT SPOT
OF STEERING COLUMN

PRESS ENTER KEY

IF YOU ARE DONE,
TOUCH THE X ON THE SCREEN.

IF YOU HAVE MORE PROX YOU WANT
TO PROGRAM TOUCH THE CHECK MARK.

YOU CAN CONTINUE UP TO 4 PROX MAX.

PROGRAM KEYS

2 KEYS PROGRAMMED
DO YOU WANT TO
PROGRAM
ADDITIONAL KEYS

X ✔

WHEN FINISHED

DISCONNECT THE TESTER AND CHECK THE PROX

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2011-2016 FIESTA PROX

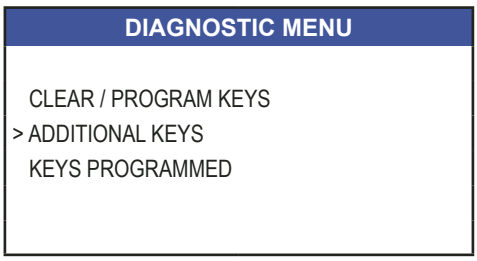
Use this method for: ADDING KEYS

WHEN USING PROGRAM KEYS
MAKE SURE TO HAVE THE NEW KEY YOU ARE ADDING IS THE ONE USED IN THE PROCEDURE

ADDING ADDITIONAL PROX KEYS
Without erasing the old ones:

Start out from the DIAGNOSTIC MENU
(Shown Below)

Select: ADDITIONAL KEYS



The Procedure is very similar to ERASING except
Only 1 PROX is required.

Follow the prompts on the tester.

2013+ FORD FUSION SYSTEM INCODE / OUTCODE KEYED MODELS



SPECIAL FUNCTIONS

CLEAR / PROGRAM KEYS-
Clears all transponders and Programs 2 keys following the clear process.

ADDITIONAL KEYS-
Adds transponders without clearing old ones.

⚠ Additional Keys function is only available with SD and Bypass, menu option will only work if you have SD.

KEYS PROGRAMMED-
Displays how many
Transponders are programmed.

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-209	ADC-250 / ADC- 251 G (GREY) DONGLE
MAX # OF KEYS:	**SMART DONGLE?**
8	YES
PROX KEYS:	**SECURITY:**
OEM KEYS w/ 128-bit TRANSPONDER Re-usable	NASTF LSID and AD user name & password using AD Q/R Reader app to process INCODE via web. OR BYPASS NOW AVAILABLE USING SMART DONGLE
	COMPONENTS MATCHED?
	YES
	MATCHING CAPABILITY?
	PARAMETER RESET AVAILABLE

SECURITY LIGHT / THEFT INDICATOR:

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

TIPS:

MORE INFO:

2013+ FORD FUSION SYSTEM INCODE / OUTCODE PROX MODELS




SPECIAL FUNCTIONS

CLEAR / PROGRAM PROX-
Clears all transponders and Programs 2 keys following the clear process.

ADDITIONAL PROX-
Adds transponders without clearing old ones.

⚠ Additional Keys function is only available with SD and Bypass, menu option will only work if you have SD.

PROX PROGRAMMED-
Displays how many
Transponders are programmed.

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-209	ADC-250 / ADC- 251 G (GREY) DONGLE
MAX # OF PROX KEYS:	**SMART DONGLE?**
4	YES
PROX KEYS:	**SECURITY:**
OEM KEYS w/ 128-bit TRANSPONDER Re-usable	NASTF LSID and AD user name & password using AD Q/R Reader app to process INCODE via web. OR BYPASS NOW AVAILABLE USING SMART DONGLE
	COMPONENTS MATCHED?
	YES
	MATCHING CAPABILITY?
	PARAMETER RESET AVAILABLE

SECURITY LIGHT / THEFT INDICATOR:

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

TIPS:

MORE INFO:

PROX LEARNING SLOT LOCATIONS:



FUSION, EDGE, 2013 MKZ - Inside center console.



2015 MUSTANG - slot under cup holder
Inside center console.





F-150 - Inside center console , or in tray under rubber matt in front of shifter.

2013+ FORD FUSION SYSTEM
INCODE / OUTCODE -ALL MODELS

(NEW PROCEDURE USING BYPASS & SMART DONGLE)

HELPFUL "HOW TO" PROGRAMMING VIDEOS - FORD FUSION BYPASS SOFTWARE	
WATCH VIDEO - 2013 ADD KEY USING BYPASS WITH SMART DONGLE 	**WATCH VIDEO - 2016 FORD EDGE PROX USING BYPASS WITH SMART DONGLE** 
WATCH VIDEO - 2017 LINCOLN MKZ ADD PROX USING BYPASS WITH SMART DONGLE 	**WATCH VIDEO - 16 FORD EXPLORER USING BYPASS WITH SMART DONGLE** 
WATCH VIDEO - IMPORTANT INFO ABOUT 2017 MODELS 	

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2013+ FORD FUSION SYSTEM
INCODE / OUTCODE -ALL MODELS

PROGRAMMING WHEN FACTORY ALARM IS ACTIVATED

- **How to disarm the alarm so that you can program 2 PROX remotes.**
- **If there is a Door Key Pad and you have the code to it. (look in glove box for the code card) use the Key Pad to unlock the doors which disables the alarm.**
- **FORD, USA, By Vehicle, I.E. Mustang, +2015, Prox. Smart dongle screen or smart card.**
- **Follow the rest of the screen prompts until you get to the "Clear and program keys" OR "Additional Keys" if just adding a key. Leave the Pro on this screens and STOP there.**
- **Stay connected but DO NOT move forward because we need to deactivate the alarm. The solution is to put any prox in the reader slot under the cup holder and open the drivers door OR on Keyed Models leave the Key in the ignition with the ignition switched ON.**
- **This is were you will need to be patient because it takes approximately 10-15 minutes before you will hear 2 chirps from the vehicle.**
- **Once you have heard the chirps you can press the "Clear & program keys" screen and proceed with the rest of the programming.**
- **If you don't wait for the chirps that means your alarm is not truly deactivated and the procedure will fail to move forward.**
- **The T-Code / MVP Pro loops back to the Clear and Program keys screen.**
- **Be mindful that after you hear the chirps you have a 1 minute window to**
- **complete the programming before the alarm becomes active again.**

RECENTLY ADDED INFO FROM TECH SUPPORT :

Known methods of shutting off the factory alarm when active for 13+ Fusion protocol vehicles.

If the vehicle is equipped with an active factory alarm it must be shut off before you can successfully bypass the FORD code via the MVP/TCODE PRO coupled with Smart Dongle. We are going to explain in detail the varies methods used to shut off the alarm. The below methods can be applied to any of the vehicles that require the 13+ Fusion protocol. 2013-17 Ford Fusion, 2013-17 Lincoln MKZ, 2015-16 Lincoln MKC, 2015-16 Ford Mustang, 2015-16 Ford F-150, 2015-16 Ford Edge, 2016 Ford Explorer.

1. To deactivate an active alarm select by vehicle & follow the screen prompts until you get to the "Clear and program keys" screen and STOP there. Stay connected but DO NOT move forward because we need to deactivate the alarm. Put any prox in the reader slot under the cup holder and open the driver's door. If it's a keyed ignition put the key in the ignition and turn it to the on postion. At this juncture you will need to be patient because it takes approximately 10-15 minutes before you will hear 2 chirps from the vehicle. Once you have heard the chirps you can press the "Clear & program keys screen and proceed with the rest of the programming. If you don't wait for the chirps that means your alarm is not truly deactivated and the procedure will fail to move forward. When it fails the T-code/MVP Pro loops back to the Clear and Program keys screen and same applies if using the dealer IDS tool, it boots you out of PATS functions after a second or two.
2. Some of these vehicles come equipped with a door keypad, for example the 2013-2017 Fusion & 15-16 Mustang. If you know the security entry code you can use it to deactivate the alarm system. The keypad code lights up vertically along the door trim located above the door handle. Most often the security code can be found in the glove box with the owners manual *NOTE-The keypad code can not be read by your MVP/TCODE PRO software.
3. If you are fortunate enough to be working on a rental account you may be in luck because they might be able to provide you with the Keypad code. They will either e-mail or print you a screen that they refer to as the "20 Screen". It displays the key code at the bottom of the page. On that page next to the key code, you will find an additional 5 digit number, which is your door pad code.
4. There is one other method of finding the keypad code but I warn you to only use it all else fails because it involves a bit of work & time. Located on the left hand lower inside wall behind the carpeting (drivers side of vehicle} is mounted what is referred to as the the smart junction box. There's a size 10 nut holding it in place. On the back of the Smart Junction Box is a white sticker that says "BCM Assembly" and on that same sticker is written "Keycode" with a 5 digit number. That's the keypad code to the vehicle. You can use a number 10 socket to loosen the nut enough to get a long reach mirror behind the box in order to read the code off the sticker. This is not a method to be used for the 2016-17 model years because there's a plate on the other side of the smart junction box that obstructs the view of the keypad code number.

2013+ FORD FUSION SYSTEM
INCODE / OUTCODE -ALL MODELS
(NEW PROCEDURE USING BYPASS & SMART DONGLE)
KEYED MODELS

Use this method for: ADDITIONAL KEYS

START HERE:

Select:
+FORD
+USA
+BY VEHICLE
+PROXIMITY
OR
+NON-PROXIMITY

PICK THE EXACT MODEL & YEAR YOU ARE WORKING ON.

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

VIN: 3FA6POHD7ER138080

KEYS PROGRAMMED : 02

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU

CLEAR / PROGRAM KEYS
PARAMETER RESET
ENABLE CUST KEY PROG
ENABLE CUST KEY PROG
>PROGRAM KEYS

PRESS ENTER KEY

DIAGNOSTIC MENU

DO YOU WANT USE THE SECURITY BYPASS? IF NO THEN DEALER OR NASTF CODE IS REQUIRED

X ✔

OF COURSE YOU DO!

PLEASE WAIT .
GAINING ACCESS
THIS CAN TAKE 5 MIN.

ACCESS GAINED

PRESS ENTER KEY

IGNITION ON

PRESS ENTER KEY

IT'S ALREADY ON , JUST LEAVE IT

PROGRAM KEY

PLEASE WAIT....

PROGRAM KEY

SUCCESS

DOOR LOCKS SHOULD CYCLE

DIAGNOSTIC MENU

DO YOU WANT TO PROGRAM ANOTHER KEY

X ✔

IF YOU ARE FINISHED SELECT THE CHECK MARK THIS WILL TAKE YOU BACK TO THE DIAGNOSTIC MENU.

DIAGNOSTIC MENU

CLEAR / PROGRAM KEYS
PARAMETER RESET
ENABLE CUST KEY PROG
ENABLE CUST KEY PROG
>PROGRAM KEYS

PRESS ENTER KEY

IF YOU ARE FINISHED DISCONNECT AND TEST THE KEY.

2013+ FORD FUSION SYSTEM
INCODE / OUTCODE -ALL MODELS

➨You must have a valid NASTF locksmith ID (L.S.I.D.) and Password
➨You must also have a valid username and password to the ADVANCED-DIAGNOSTICS.COM website.
(Registration normally takes 2-3 days to process)
➨Web access is required live at the vehicle.
➨A web enabled smart phone is "recommended" using AD Q/R reader.



The AD Q/R App (shown on the left) is avaliable for Apple phones or Andriod phones.

Please visit: Advacned-Diagnostics.com
Select PRODUCTS then APPS for more info.

Using the AD Q/R App will greatly reduce the amount of work entering the OUTCODE that is obtained from the vehicle, speed up the overall process of programming, and greatly reduce the possibility of user error entering the OUTCODE.

If you do not have the AD Q/R App you can use our website to enter the numbers manually but it will be much harder than using the Q/R App.

Prox Programming Slot Locations:

Fusion - Programming slot is located in the center console



Fusion - Programming slot is located in the center console



CLEAR KEYS / PROX - This procedure ERASES all currently programmed keys / prox from the system memory & programs at least 2 keys / Prox into the system.

WARNING: Before using ERASE KEYS / PROX you must make sure you have at least 2 properly cut keys ready to cycle in the ignition or 2 Prox ready to be placed in the programming slot.

PROCEDURE:
From the "Vehicle Selection" menu select +FORD / USA / +13> FUSION / NON PROXIMITY for Keyed models OR / PROXIMITY for Prox models.
(You must select "BY VEHICLE")

After Vehicle Selection , you will need to do an SMC routine.



Use SMC or Smart Card App

LEAVE IGNITION OFF
PRESS ENTER KEY

KEYED models will display "Switch Ignition On".

ECU IDENTIFICATION
VIN: #LN6L2GK6ER123456
KEYS PROGRAMMED: 02
PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU
> CLEAR PROGRAM KEYS
PARAMETER RESET

The routines are the same for both KEYED & PROX equipped vehicles.

FORD USA 2013
PLEASE WAIT GENERATING REQUEST
USE THE Q/R CODE MOBILE APP TO GET RESPONSE
PRESS F3 TO MANUALLY ENTER CODE USING WEB SITE

The PRO will read the info from the car and display a bar code.

123 >

Tap on the scanner app and scan the barcode on the PRO screen.

Scan the barcode with your mobile phone using the AD Q/R READER APP.
Or, to enter the code manually into the AD website touch the 123 > on the screen.
Once you have scanned the barcode, press the CHECK MARK.

Carefully fill in your NASTF ID & PASSWORD. (case sensitive)

Fill in the complete VIN.
(not case sensitive)
Click on SEND to submit the data.

ENTER IN-CODE
FE-EF-1E-B6-D6-2B
D6-31-1F-F4-__-__
A B C D E
F G H I J
FE-EF-1E-B6-D6-2B
D6-31-1F-F4-__-__
1 2 3 4 5
6 7 8 9 0

Carefully fill in the reponse provided by the app into the PRO using the touchscreen

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

FORD USA 2013
FE-EF-1E-B6-D6-2B
D6-31-1F-F4-05-BF
(Data shown is just an example)
X ✔

Touch the Check mark on the screen once you have correctly entered the data

PROGRAM KEYS
ACCESS GAINED
BCM

CLEAR KEYS
SUCCESS
PRESS ENTER KEY

PROGRAM KEY
INSERT KEY INTO SLOT
(or Ignition on keyed models)
PRESS ENTER KEY

If you are programming a PROX equipped vehicle place the 1st PROX into the PROGRAMING SLOT.

For KEYED IGNITION vehicles, place the 1st key into the Igntion.
TURN IT ON.

PROGRAM KEY
PLEASE WAIT

The Door locks should "Cycle" as each Key / Prox is accepted.

All RKE functions program automatically during this procedure.

PROGRAM KEY
SUCCESS
PRESS ENTER KEY

PROGRAM KEY
DO YOU WANT TO PROGRAM ANOTHER KEY
X ✔

You must program at least 2 Keys or Prox into the vehicle after clearing the keys.

Be sure to have a 2nd Key or Prox ready & select the CHECK MARK here.

PROGRAM KEY
INSERT KEY INTO SLOT
(or Ignition on keyed models)
PRESS ENTER KEY

If you are programming a PROX equipped vehicle place the 2nd PROX into the PROGRAMING SLOT.

For KEYED IGNITION vehicles, place the 2nd key into the Ignition.
TURN IT ON.

PROGRAM KEY
SUCCESS
PRESS ENTER KEY

If you are finished programming 2 Keys / Prox

Disconnect the tester.

If you have more Key / Prox to program continue.
UP TO 4 MAX.

FOCUS ST PROX / ESCAPE FOCUS TITANIUM PROX SYSTEMS







SPECIAL FUNCTIONS

ERASE / PROGRAM PROX -
Clears all PROX from memory & Programs 2 PROX.

⚠ HAVE 2 PROX READY IF ERASING.
AS 2 PROX WILL BE NEEDED.
Make certain they are the correct part nos. prox and make certain the battery in them is good.

PROGRAM PROX -
ADDS PROX into memory.

As long as there are at least 2 prox programmed You can add PROX by using PROGRAM PROX. You will only need the PROX you are ADDING.

PROX PROGRAMMED-
Displays how many PROX are currently programmed.

TIPS:

One step procedure, prox program in along with prox RKE buttons all at the same time.

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-257	SD ONLY / ADC-250 or ADC-251
MAX # OF KEYS:	**SMART DONGLE?**
8	YES
PROX KEYS:	**SECURITY:**
OEM PROX Several different part nos. and fcc used on different models. Suggestion: check original part nos if available to make sure any new parts are correct.	Security is bypassed by the software
	COMPONENTS MATCHED?
	YES , BCM / PCM / RFA
	MATCHING CAPABILITY?
	NO Parameter Reset is available.

SECURITY LIGHT / THEFT INDICATOR:

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



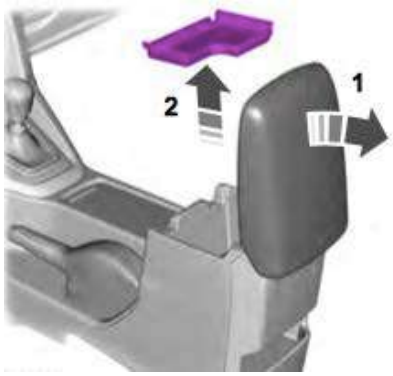
USE OF THIS NEW SOFTWARE
REQUIRES
SMART DONGLE

MORE INFO:

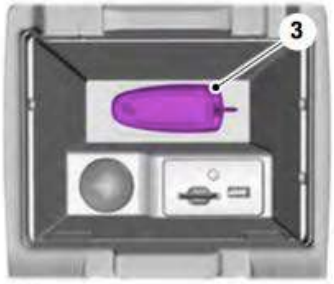
PROX SLOT LOCATIONS:



FOCUS & ESCAPE TITANIUM
Center Console as shown.



FOCUS ST
1. Open center console
2. Remove rubber tray
3. Place prox as shown



FOCUS ST PROX / ESCAPE FOCUS TITANIUM PROX SYSTEMS

Use this method for: ERASING PROX - 2 Prox required for erasing

ERASE IS OPTIONAL - DO NOT ERASE UNLESS YOU WANT TO ERASE ALL KEYS

MAKE SURE YOU HAVE 2 PROX READY
THEN START HERE:
Select:

+FORD
+USA
+BY VEHICLE
+ FOCUS OR ESCAPE
(Choose the model your working on.)



USE OF THIS SOFTWARE REQUIRES SMART DONGLE

+PROX
+2014 or 2014-2016 or 2017
(Choose the exact one you're working on by VIN not prod date.)

For FOCUS ST select FOCUS ST.
For FOCUS & ESCAPE TITANIUM select TITANIUM from the menus.

>>>>>>The Ignition does NOT need to be turned "ON".>>>>>>

In fact, it stays OFF for the entire procedure>>>>>>>>>

LEAVE IGN OFF
PRESS ENTER KEY

ECU IDENTIFICATION
VIN : 1FMCU0JDXHUC19568
PART NO. F1CT-19G481-AJ
KEYS: 2
PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU
> CLEAR / PROGRAM PROX
PROGRAM PROX
PROX PROGRAMMED
PRESS ENTER KEY

DIAGNOSTIC MENU
WARNING ALL KEYS WILL BE CLEARED, CONTINUE?
X ✔

WARNING
A MINUMUM OF 2 KEYS
REQUIRED TO BE PROGRAMMED
BEFORE THE VEHICLE WILL START
PRESS ENTER KEY

>>>>>>This means if you erase, 2 keys need to go back into memory before the the car will run.>>>>>>>>>

CODED ACCESS
SECURITY WAIT TIME
THIS CAN TAKE UP TO
8 MINUTES
CONNECT BATTERY CHARGER
PLEASE WAIT.....
PRESS ENTER KEY

>>Consider boosting the vehicles battery as suggested by the tester. This will avoid the battery running down during the wait time possibly causing you to have start over>>

PLEASE WAIT.....
PRESS ENTER KEY

ERASE PROX
PLACE THE PROX TO BE
PROGRAMMED FLAT ON THE
KEY SYMBOL ON THE BOTTOM
OF THE CENTER CONSOLE
PRESS ENTER KEY

>>>SEE PREVIOUS PAGE FOR ALTERNATIVE PROX SLOT LOCATIONS.>>>

MAKE SURE A PROX IS PLACED IN THE SLOT.

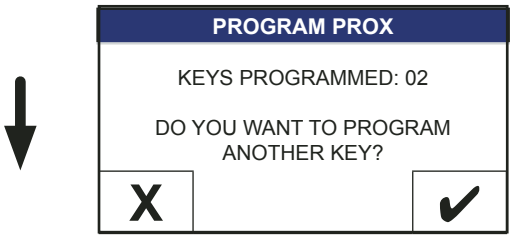
PROGRAM PROX
KEYS PROGRAMMED: 01
DO YOU WANT TO PROGRAM ANOTHER KEY?
X ✔

REMOVE PROX #1 FROM THE LEARNING SLOT. PLACE PROX #2 INTO THE SLOT FOR LEARNING. THEN SELECT THE CHECK MARK

Continued on NEXT PAGE>>>>>

FOCUS ST PROX / ESCAPE FOCUS TITANIUM PROX SYSTEMS

Use this method for: ERASING PROX - Continued



Continue along until you have programmed all the PROX you wish to program....UP TO A MAX. OF 8 PROX TOTAL



FOCUS ST PROX / ESCAPE FOCUS TITANIUM PROX SYSTEMS

Use this method for: ADDING PROX

PLACE A PROX TO BE PROGRAMMED INTO THE LEARNING AREA

THEN START HERE:
Select:

+FORD
+USA
+BY VEHICLE
+ FOCUS OR ESCAPE
(Choose the model your working on.)
+PROX
+2014 or 2014-2016 or 2017
(Choose the exact one you're working on by VIN not prod date.)



USE OF THIS SOFTWARE REQUIRES SMART DONGLE

For FOCUS ST select FOCUS ST.
For FOCUS & ESCAPE TITANIUM select TITANIUM from the menus.

>>>>>>The Ignition does NOT need to be turned "ON".>>>>>>

In fact, it stays OFF for the entire procedure>>>>>>>>>

LEAVE IGN OFF
PRESS ENTER KEY

ECU IDENTIFICATION
VIN : 1FMCU0JDXHUC19568
PART NO. F1CT-19G481-AJ
KEYS: 2
PRESS ENTER KEY

Before programming note the number of keys currently in the system.

DIAGNOSTIC MENU
ECU IDENTIFICATION
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU
CLEAR / PROGRAM PROX
>PROGRAM PROX
PROX PROGRAMMED
PRESS ENTER KEY

PROGRAM PROX
PLACE THE PROX TO BE
PROGRAMMED FLAT ON THE
KEY SYMBOL ON THE BOTTOM
OF THE CENTER CONSOLE
PRESS ENTER KEY

>>>SEE PREVIOUS PAGE FOR ALTERNATIVE PROX SLOT LOCATIONS.>>>

MAKE SURE A PROX IS PLACED IN THE SLOT.

CODED ACCESS
SECURITY WAIT TIME
THIS CAN TAKE UP TO
8 MINUTES
CONNECT BATTERY CHARGER
PLEASE WAIT.....
PRESS ENTER KEY

PLEASE WAIT.....
PRESS ENTER KEY

>>Consider boosting the vehicles battery as suggested by the tester. This will avoid the battery running down during the wait time possibly causing you to have start over>>

PROGRAM PROX
KEYS PROGRAMMED: 3
DO YOU WANT TO PROGRAM ANOTHER KEY?
X ✔

Continue along until you have programmed all the PROX you wish to program....UP TO A MAX. OF 8 PROX TOTAL

PROCEDURE COMPLETE
PRESS ENTER KEY

KEY PAD ENTRY CODE & REMOTE FUNCTIONS

FORD - REMOTES & KEYPAD READING FUNCTIONS				ALL USE OBD2, ADC-250 OR 251 CABLE
MODEL	**YEAR**	**TYPE**	**DONGLE**	**AVAILABLE FUNCTIONS** (SOME FUNCTIONS MAY DEPEND ON TRIM LEVEL)
TAURUS PROX	09-12	REMOTES 9	L / SD	KEYPAD CODE
TAURUS X	08-09	REMOTES 6	E / SD	KEYPAD CODE
WINDSTAR	01-03	REMOTES 2	A / SD	ERASE / PROGRAM / KEYPAD CODE / TEST
LINCOLN - REMOTES & KEYPAD READING FUNCTIONS				**ALL USE OBD2, ADC-250 OR 251 CABLE**
MODEL	**YEAR**	**TYPE**	**DONGLE**	**AVAILABLE FUNCTIONS** (SOME FUNCTIONS MAY DEPEND ON TRIM LEVEL)
CONTINENTAL	95-02	REMOTES 2	A / SD	ERASE / PROGRAM / KEYPAD CODE / TEST
LS	99-02	REMOTES 1	A / SD	ERASE / PROGRAM / KEYPAD CODE / TEST
LS	00-06	REMOTES 2	A / SD	ERASE / PROGRAM / KEYPAD CODE / TEST
LS	03-06	REMOTES 5	A / SD	KEYPAD CODE / TEST
MARK VIII	97-98	REMOTES 5	A / SD	KEYPAD CODE / TEST
MKX	07-08	REMOTES 6	E / SD	KEYPAD CODE
MKX PROX	09-12	REMOTES 9	L / SD	KEYPAD CODE
MKZ	07-11	REMOTES 6	E / SD	KEYPAD CODE
NAVIGATOR	98-02	REMOTES 3	A / SD	KEYPAD CODE / TEST
NAVIGATOR	05-07	REMOTES 7	E / SD	KEYPAD CODE
NAVIGATOR	08-10	REMOTES 6	E / SD	KEYPAD CODE
TOWNCAR	95-97	REMOTES 1	A / SD	ERASE / PROGRAM / KEYPAD CODE / TEST
TOWNCAR	98-02	REMOTES 2	A / SD	ERASE / PROGRAM / KEYPAD CODE / TEST
TOWNCAR	03-05	REMOTES 2	A / SD	KEYPAD CODE
TOWNCAR	06-11	REMOTES 5	A / SD	KEYPAD CODE
ZEPHYR	06	REMOTES 6	E / SD	KEYPAD CODE
MERCURY - REMOTES & KEYPAD READING FUNCTIONS				**ALL USE OBD2, ADC-250 OR 251 CABLE**
MODEL	**YEAR**	**TYPE**	**DONGLE**	**AVAILABLE FUNCTIONS** (SOME FUNCTIONS MAY DEPEND ON TRIM LEVEL)
GRAND MARQUIS	95-04	REMOTES 1	A / SD	ERASE / PROGRAM / KEYPAD CODE / TEST
GRAND MARQUIS	05-11	REMOTES 2	A / SD	KEYPAD CODE
GRAND MARQUIS	10-11	REMOTES 5	A / SD	KEYPAD CODE
MARAUDER	03-04	REMOTES 1	A / SD	ERASE / PROGRAM / KEYPAD CODE / TEST
MARAUDER	05-08	REMOTES 6	E / SD	KEYPAD CODE
MILAN	06-11	REMOTES 6	E / SD	KEYPAD CODE
MONTEGO	05-07	REMOTES 6	E / SD	KEYPAD CODE
MOUNTAINEER	97-01	REMOTES 3	A / SD	KEYPAD CODE / TEST
SABLE	96-99	REMOTES 3	A / SD	KEYPAD CODE / TEST
SABLE	04-07	REMOTES 6	E / SD	KEYPAD CODE / TEST

FORD - REMOTES & KEYPAD READING FUNCTIONS — ALL USE OBD2, ADC-250 OR 251 CABLE

ALL FORD-LINCOLN-MERCURY KEYPAD FUNCTIONS START HERE:

Select:
+FORD
+USA
+BY SYSTEM
+REMOTES

NEXT SELECT THE TYPE (USE THE COVERAGE CHART TO DETERMINE WHICH ONE TO PICK)

ECU IDENTIFICATION

KEYLS. ENT. CODE: 35559
REMOTE 1: 2FDE9642
REMOTE 2: 2BC6B1A2
REMOTE 3: 00000000
REMOTE 4: 00000000

PRESS ENTER KEY

HERE'S ARE TWO EXAMPLES OF WHAT THE SYSTEMS WILL GIVE YOU. EACH TYPE VARIES SLIGHTLY.

ECU IDENTIFICATION

KEYLS. ENT. CODE: 13377

REMOTE DATA
NOT AVAILABLE

PRESS ENTER KEY

NEXT IS USUALLY A "SPECIAL FUNCTIONS" SCREEN.

HERE IS AN EXAMPLE OF A KEYPAD TEST

Here is an example of TYPE 1 remote programming.

DIAGNOSTIC MENU

ERASE REMOTES
> PROGRAM REMOTE
CURR. REMOTE
KEYPAD TEST

PROGRAM REMOTE

ENTER REMOTE NO. #

Note: There are 4 memory positions: 1, 2, 3 & 4

Enter a number to fill a memory position for the remote you would like to program.

PROGRAM REMOTE

ENTER REMOTE NO. # X
CURR. REMOTE: 00000000

PRESS & RELEASE REMOTE AND THEN PRESS ENTER

PROGRAM REMOTE

ENTER REMOTE NO. # X
CURR. REMOTE: 549291EA

PRESS & RELEASE REMOTE AND THEN PRESS ENTER

PROGRAM REMOTE

PRESS REMOTE

PROGRAM REMOTE

PRESS REMOTE

REMOTE X: 549291EA

PRESS ENTER KEY

Note: The Remote is now programmed. You can program more remotes or disconnect from car.

Here is a KEYPAD TEST.

These functions can be very useful for diagnosing problems with the system.

DIAGNOSTIC MENU

> KEYPAD TEST

KEYPAD TEST

PRESS KEY TO TEST

-- -- -- -- --

PRESS ENTER

Once you press a button on the Keypad, the button number will appear on the screen.

If a button number appears and you are not pressing a button, that button is damaged and the whole keypad needs to be replaced.

KEYPAD TEST

PRESS KEY TO TEST

1/2 3/4 5/6 7/8 9/0

PRESS ENTER

Here is an example of what will appear on the screen as each button is pressed.

GM USA SECTION

Buick / Cadillac / Chevrolet / GMC / Oldsmobile / Pontiac / Saturn





T-CODE SOFTWARE PACKS:

GM USA Basic (ADS-138)

GM CAN (ADS-139)

GM Proximity (ADS-187)

GM 2014 (ADS-223)

(Software names generally refer to the date of release on the T-CODE not the years of vehicles covered).



2007-2016 ACADIA (GMC) — ADS-139

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
B111-PT ⊕	Select by Vehicle Type 4	Yes	No	Not Needed	**K**-Brown Or SD

2008 ASTRA (SATURN) — ADS-139

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Key GM Part# 93192428	Select by Vehicle	Yes	Yes	Dealer Pin Required	**A**-Black Or SD

Note: PIN Read possible using (E) Yellow, 50/50, otherwise obtain from dealer or NASTF.

2013-2016 ATS WITH PROX (CADILLAC) — ADS-223

STRATTEC	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select By Vehicle	Yes	4 Digit Pin & 12 Minute Wait	Possible on Most Gas Engines	**K**-Brown Or SD

2007-2009 AURA (SATURN) — ADS-139

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
B111-PT ⊕	Select by Vehicle Type 5	Yes	No	Not Needed	**K**-Brown Or SD

2001-2003 AURORA (OLDSMOBILE) — ADS- 138

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
B99-PT	Type 1	Yes	No	Not Needed	**C**-Green Or SD

Note: At the start of the procedure when the tester asks you to turn the ignition OFF then back on a couple of times, just leave the ignition ON as you go thru these screens & press ENTER. Otherwise, communication will fail.

2007-2013 AVALANCHE (CHEVY) — ADS-139

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
B111-PT ⊕	Select by Vehicle	Yes	No	Not Needed	**K**-Brown Or SD

2001-2005 AZTEK (PONTIAC) — ADS-138

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
B99-PT	Type 1	Yes	No	Not Needed	**C**-Green Or SD

Programming Note: At the start of the procedure when the tester asks you to turn the ignition OFF then back on a couple of times, just leave the ignition ON as you go thru these screens & press ENTER. Otherwise, communication will fail.

2000-2005 BONNEVILLE (Pontiac) — ADS-138

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
B99-PT	Type 1	Yes	No	Not Needed	C-Green Or SD

Programming Note: At the start of the procedure when the tester asks you to turn the ignition OFF then back on a couple of times, just leave the ignition ON as you go thru these screens & press ENTER. Otherwise, communication will fail.

2013-2015 CAMARO With KEYED IGN. (Chevrolet) — ADS-223

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	4 Digit Pin & 12 Minute Wait	Possible on Most Gas Engines	K-Brown Or SD

2012 CAMARO (Chevy) — ADS-187

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	4 Digit Pin & 12 Minute Wait	Possible on Most Gas Engines	K-Brown Or SD

2010-2011 CAMARO (Chevy) — ADS-187

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	4 Digit Pin & 12 Minute Wait	Possible except on 3.6L V6	K-Brown Or SD

2012-2015 CAPTIVA (Chevy) — ADS-139

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
B114-PT ⊕	Select by Vehicle	Yes	No	Not Needed	K-Brown Or SD

1997-2001 CATERA (Cadillac) — ADS-100

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Key is Required GM Part# 90541902	Select by Vehicle	Yes	Yes	Might be possible	A-Black Or SD

2006-2010 COBALT (Chevy) — ADS- 139

STRATTEC / ILCO /	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
B111-PT ⊕	Select by Vehicle	Yes	No	Not Needed	K-Brown Or SD

2015-2016 COLORADO With KEYED IGN. (Chevy) — ADS-223

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle or Equniox	Yes	Yes	Possible on Most Gas Engines	K-Brown Or SD

2014-2015 CORVETTE STINGRAY WITH PROX (BUICK) — ADS-223

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	4 Digit Pin & 12 Minute Wait	Possible on Most Gas Engines	K-Brown Or SD

2005-2013 CORVETTE WITH PROX (CHEVY) — ADS-187

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
2005-2007 OEM 10372540,10372542 2008-2012 OEM 25926479 (#1)	'RCDLR' SYSTEM Select by Vehicle	Yes	No	Not Needed	C-Green Or SD

2014-2016 CRUZE WITH PROX (CHEVY) — ADS-223

STRATTEC	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
4 Button PEPS: 5912872 5 Button PEPS: 5912873 Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	Yes	Possible on Most Gas Engines	K-Brown Or SD

2012-2013 CRUZE WITH PROX (CHEVY) — ADS-187

STRATTEC	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
4 Button PEPS: 5912872 5 Button PEPS: 5912873 Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	Yes	Possible on Most Gas Engines	K-Brown Or SD

2011-2016 CRUZE WITH KEYED IGN. (CHEVY) — ADS-187

STRATTEC	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
4 Button Rem. Key: 5912543 --- 5 Button Rem. Key: 5912545	Select by Vehicle	Yes	Yes	Possible on most GAS engines. 2014-2016 requires ADS-223	K-Brown Or SD

2014-2015 CTS WITH PROX (CADILLAC) — ADS-223

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	4 Digit Pin & 12 Minute Wait	Possible on Most Gas Engines	K-Brown Or SD

2008-2013 CTS WITH PROX (CADILLAC) — ADS-187

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	'RCDLR' SYSTEM Select by Vehicle	Yes	No	Not Needed	K-Brown Or SD

2008-2013 CTS WITH MECHANICAL IGNITION (CADILLAC) — ADS-139

STRATTEC / ILCO /	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
B111-PT ⊕	Select by Vehicle	Yes	No	Not Needed	K-Brown Or SD

2003-2007 CTS (Cadillac) — ADS-139

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
B112-PT	Select by Vehicle	Yes	No	Not Needed	K-Brown Or SD

2000-2005 DEVILLE (Cadillac) — ADS-138 PAGE X

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
B99-PT	Select by Vehicle	No	No	Not Needed	C Green

2006-2011 DTS (Cadillac) — ADS-139

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
B111-PT ⊕	Select by Vehicle	Yes	No	Not Needed	K-Brown Or SD

2008-2017 ENCLAVE (Buick) — ADS-139

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
B111-PT ⊕	Select by Vehicle	Yes	No	Not Needed	K-Brown Or SD

2013-2015 ENCORE With KEYED IGN. (Buick) — ADS-223

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select By Vehicle	Yes	4 Digit Pin & 12 Minute Wait	Possible on Most Gas Engines	K-Brown Or SD

2010-2016 EQUINOX (Chevy) — ADS-187

STRATTEC	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
4 Button Rem. Key: 5912543 5 Button Rem. Key: 5912545 Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	Yes	Possible on Most Gas Engines	K-Brown Or SD

2007-2009 EQUINOX (Chevy) — ADS-139

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
B111-PT ⊕	Select by Vehicle	Yes	No	Not Needed	K-Brown Or SD

2015-2016 ESCALADE With PROX (Cadillac) — ADS-223

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select YUKON	Yes	4 Digit Pin & 12 Minute Wait	Possible on Most Gas Engines	K-Brown Or SD

2007-2014 ESCALADE (CADILLAC) — ADS- 139

STRATTEC / ILCO /	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
B111-PT ⊕	Select by Vehicle	Yes	No	Not Needed	**K**-Brown Or SD

2015-2016 EXPRESS VAN (CHEVY) — ADS-139

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
B120-PT	Select by Vehicle 2008-2014	Yes	No	Not Needed	**K**-Brown Or SD

Programming Note: The only thing that has changed on these from 07-14 is the KEY.

2008-2014 EXPRESS VAN (CHEVY) — ADS-139

STRATTEC / ILCO /	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
B111-PT ⊕	Select by Vehicle 2008-2014	Yes	No	Not Needed	**K**-Brown Or SD

2007-2010 G5 (PONTIAC) — ADS-139

STRATTEC / ILCO /	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
B111-PT ⊕	Select by Vehicle	Yes	No	Not Needed	**K**-Brown Or SD

2005-2010 G6 (PONTIAC) — ADS-139

STRATTEC / ILCO /	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
B111-PT ⊕	Select by Vehicle	Yes	No	Not Needed	**K**-Brown Or SD

2008-2009 G8 (PONTIAC) — ADS-139

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Type 4	Yes	No	Not Needed	**K**-Brown Or SD

2004-2008 GRAND PRIX (PONTIAC) — ADS-139

STRATTEC	ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
PT04-PT		Type 3	Yes	No	Not Needed	**C**-Green Or SD

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2000-2003 GRAND PRIX (Pontiac) ADS-138

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
BT03-PT	Type 1	Yes	No	Not Needed	**C**-Green Or SD

Programming Note: At the start of the procedure when the tester asks you to turn the ignition OFF then back on a couple of times, just leave the ignition ON as you go thru these screens & press ENTER. Otherwise, communication will fail.

2004-2006 GTO (Pontiac) ADS-139

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM Remote head 92123129 OEM Key blade 94860087 OEM Screws 92138596	Select by Vehicle	Yes	Yes	Use PIN READ Function	**D** Blue

2008-2009 H2 (Hummer) ADS-139

STRATTEC / ILCO /	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
B111-PT ⊕	Type 2	Yes	No	Not Needed	**C**-Green Or SD

2006-2011 HHR (Chevy) ADS- 139

STRATTEC / ILCO /	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
B111-PT ⊕	Select by Vehicle	Yes	No	Not Needed	**K**-Brown Or SD

2014-2016 IMPALA With KEYED IGN. (Chevrolet) ADS-223

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	4 Digit Pin & 12 Minute Wait	Possible on Most Gas Engines	**K**-Brown Or SD

2014-2016 IMPALA With PROX (Chevrolet) ADS-223

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select By Vehicle	Yes	4 Digit Pin & 12 Minute Wait	Possible on Most Gas Engines	**K**-Brown Or SD

2006-2013 IMPALA (Chevy) ADS-139

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
B111-PT ⊕	Select by Vehicle	Yes	No	Not Needed	**K**-Brown Or SD

2013-2015 LaCrosse With PROX (Buick) — ADS-223

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	4 Digit Pin & 12 Minute Wait	Possible on Most Gas Engines	K-Brown Or SD

2013-2015 LaCrosse With KEYED IGN. (Buick) — ADS-223

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	4 Digit Pin & 12 Minute Wait	Possible on Most Gas Engines	K-Brown Or SD

2010-2012 LACROSSE With PROX (Buick) — ADS-187

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
4 Button PEPS: 5912558 5 Button PEPS: 5912559 Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	Yes	Possible except V4 1.2L	K-Brown Or SD

2010-2012 LACROSSE With KEYED IGN (Buick) — ADS-187

STRATTEC	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
4 Button Rem. Key: 5912555 5 Button Rem. Key: 5912556 Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	Yes	Possible except V4 1.2L	K-Brown Or SD

2005-2009 LACROSSE (Buick) — ADS-139

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
PT04-PT	Select by Vehicle	Yes	No	Not Needed	K-Brown Or SD

2000-2005 LESABRE (Buick) — ADS-138

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
B99-PT	Type 1	Yes	No	Not Needed	C-Green Or SD

Programming Note: At the start of the procedure when the tester asks you to turn the ignition OFF then back on a couple of times, just leave the ignition ON as you go thru these screens & press ENTER. Otherwise, communication will fail.

2006-2011 LUCERNE (Buick) — ADS-139

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
B111-PT ⊕	Select by Vehicle	Yes	No	Not Needed	K-Brown Or SD

2013-2016 MALIBU With KEYED IGN. (Chevrolet) — ADS-223

STRATTEC	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
4 Button Rem. Key: 5912543 5 Button Rem. Key: 5912545 Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	4 Digit Pin & 12 Minute Wait	Possible on Most Gas Engines	K-Brown Or SD

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2013-2016 MALIBU CLASSIC (Chevy) (2012 body style) — ADS-139

STRATTEC / ILCO /	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
B111-PT ⊕	Select by Vehicle	Yes	No	Not Needed	**K**-Brown Or SD

2004-2012 MALIBU (Chevy) — ADS-139

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
B111-PT ⊕	Select by Vehicle	Yes	No	Not Needed	**K**-Brown Or SD

2005-2008 MONTANA SV6 (Pontiac) — ADS-139

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
B97-PT	Type 3	Yes	No	Not Needed	**K**-Brown Or SD

Note: Check model for keyway used.

Split Year

2005-2008 MONTANA SV6 (Pontiac) — ADS-139

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
PT04-PT	Select by Vehicle	Yes	No	Not Needed	**K**-Brown Or SD

Note: Check model for keyway used.

1999-2004 MONTANA (Pontiac) — ADS-138

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
B97-PT	Type 1	Yes	No	Not Needed	**C**-Green Or SD

Programming Note: At the start of the procedure when the tester asks you to turn the ignition OFF then back on a couple of times, just leave the ignition ON as you go thru these screens & press ENTER. Otherwise, communication will fail.

2006-2007 MONTE CARLO (Chevy) — ADS-139

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
B111-PT ⊕	Select by Vehicle	Yes	No	Not Needed	**K**-Brown Or SD

2007-2009 OUTLOOK (Saturn) — ADS- 139

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
B111-PT ⊕	Select by Vehicle Type 4	Yes	No	Not Needed	**K**-Brown Or SD

1997-2005 PARK AVE (Buick) — ADS-138

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
B97-PT	Type 1	Yes	No	Not Needed	**C**-Green Or SD

Programming Note: At the start of the procedure when the tester asks you to turn the ignition OFF then back on a couple of times, just leave the ignition ON as you go thru these screens & press ENTER. Otherwise, communication will fail.

2013-2015 REGAL With PROX (Buick) — ADS-223

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	4 Digit Pin & 12 Minute Wait	Possible on Most Gas Engines	**K**-Brown Or SD

Engine Type (8th Digit of VIN)

2013-2015 REGAL With KEYED IGN. (Buick) — ADS-223

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	4 Digit Pin & 12 Minute Wait	Possible on Most Gas Engines	**K**-Brown Or SD

See www.advanced-diagnostics.com I/Q App for more info on Pin Reading

2011-2012 REGAL with PROX (Buick) — ADS-187

STRATTEC	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
4 Button PEPS: 5912558 5 Button PEPS: 5912559 Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	4 Digit Pin & 12 Minute Wait	Possible	**K**-Brown Or SD

2011-2012 REGAL With KEYED IGN. (Buick) — ADS-187

STRATTEC	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
4 Button Rem. Key: 5912555 5 Button Rem. Key: 5912556 Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	4 Digit Pin & 12 Minute Wait	Possible except V4 1.2L	**K**-Brown Or SD

2005-2007 RELAY (Saturn) — ADS-139

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
B97-PT	Select by Vehicle Type 3	Yes	No	Not Needed	**K**-Brown Or SD

Note: Check model for keyway used.

Split Year

2005-2007 RELAY (Saturn) — ADS-139

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
PT04-PT	Select by Vehicle	Yes	No	Not Needed	**K**-Brown Or SD

Note: Check model for keyway used.

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2002-2007 RENDEZVOUS (Buick) — ADS-138

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
B99-PT	Type 1	Yes	No	Not Needed	**C**-Green Or SD

Programming Note: At the start of the procedure when the tester asks you to turn the ignition OFF then back on a couple of times, just leave the ignition ON as you go thru these screens & press ENTER. Otherwise, communication will fail.

2015-2016 SAVANA (GMC) — ADS-139

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
B120-PT	Select by Vehicle 2008-2014	Yes	No	Not Needed	**K**-Brown Or SD

Programming Note: The only thing that has changed on these from 07-14 is the KEY.

2008-2014 SAVANA (GMC) — ADS-139

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
B111-PT ⊕	Select by Vehicle 2008-2014	Yes	No	Not Needed	**K**-Brown Or SD

1998-2004 SEVILLE (Cadillac) — ADS-138

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
B99-PT	Type 1	Yes	No	Not Needed	**C**-Green Or SD

Note: At the start of the procedure when the tester asks you to turn the ignition OFF then back on a couple of times, just leave the ignition ON as you go thru these screens & press ENTER. Otherwise, communication will fail.

2014-2016 SIERRA 1500 With KEYED IGN. (GMC) — ADS-223

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	**4 Digit Pin & 12 Minute Wait**	Possible on Most Gas Engines	**K**-Brown Or SD

2007-2013 SIERRA (GMC) — ADS-139

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
B111-PT ⊕	Select by Vehicle Type 4	Yes	No	Not Needed	**K**-Brown Or SD

1999-2004 SILHOUETTE (Oldsmobile) — ADS-138

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
B97-PT	Type 1	Yes	No	Not Needed	C-Green Or SD

Note: At the start of the procedure when the tester asks you to turn the ignition OFF then back on a couple of times, just leave the ignition ON as you go thru these screens & press ENTER.
Otherwise, communication will fail.

2014-2016 SILVERADO 1500 With KEYED IGN. (CHEVROLET) — ADS-223

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select By Vehicle	Yes	4 Digit Pin & 12 Minute Wait	Possible on Most Gas Engines	K-Brown Or SD

2007-2013 SILVERADO (Chevy) — ADS-139

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
B111-PT ⊕	Select by Vehicle	Yes	No	Not Needed	K-Brown Or SD

2007-2009 SKY (Saturn) — ADS-139

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
B111-PT ⊕	Select by Vehicle Type 6	Yes	No	Not Needed	K-Brown Or SD

2006-2009 SOLSTICE (Pontiac) — ADS-139

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
B111-PT ⊕	Select by Vehicle	Yes	No	Not Needed	K-Brown Or SD

2017 SONIC (Chevy) — ADS-223

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
New PROX part for 2017 Check with Distributor 2017 models may require two keys if erasing.	Select Cadillac ATS	Yes	Yes	NO PIN READ	K-Brown Or SD

2012-2016 SONIC (Chevy) — ADS-187

STRATTEC	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
3 Button Key: 5913598 4 Button Key: 5912543 5 Button Key: 5912545	Select by Vehicle	Yes	Yes	Possible	K-Brown Or SD

2013-2016 SPARK (Chevy) — ADS-187

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	Yes	Possible	K-Brown Or SD

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2013-2016 SRX WITH PROX (CADILLAC) — ADS-223

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	Yes	Possible on Most Gas Engines	K-Brown Or SD

2010-2012 SRX WITH PROX (CADILLAC) — ADS-187

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	Yes	Possible on Most Gas Engines	K-Brown Or SD

2007-2009 SRX (CADILLAC) — ADS-139

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
B111-PT ⊕	Select by Vehicle	Yes	No	Not Needed	K-Brown Or SD

2004-2006 SRX (CADILLAC) — ADS-138

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
B115-PT	Select by Vehicle	Yes	No	Not Needed	C-Green Or SD

2005-2011 STS WITH PROX (CADILLAC) — ADS-187

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Key	'RCDLR' SYSTEM Select by Vehicle	Yes	No	Not Needed	K-Brown Or SD

2015-2016 SUBURBAN WITH KEYED IGN. (CHEVROLET) — ADS-223

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	4 Digit Pin & 12 Minute Wait	Possible on Most Gas Engines	K-Brown Or SD

2015-2016 SUBURBAN WITH PROX (CHEVROLET) — ADS-223

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	4 Digit Pin & 12 Minute Wait	Possible on Most Gas Engines	K-Brown Or SD

2007-2013 SUBURBAN (CHEVY) — ADS-139

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
B111-PT ⊕	Select by Vehicle	Yes	No	Not Needed	K-Brown Or SD

2015-2016 TAHOE WITH KEYED IGN. (CHEVROLET) — ADS-223

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	4 Digit Pin & 12 Minute Wait	Possible on Most Gas Engines	K-Brown Or SD

2015-2016 TAHOE WITH PROX (CHEVROLET) — ADS-223

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select By Vehicle	Yes	4 Digit Pin & 12 Minute Wait	Possible on Most Gas Engines	K-Brown Or SD

2007-2014 TAHOE (CHEVY) — ADS-139

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
B111-PT ⊕	Select by Vehicle	Yes	No	Not Needed	K-Brown Or SD

2010-2016 TERRAIN (GMC) — ADS-187

STRATTEC	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
4 Button Key: 5912547 5 Button Key: 5912548 Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	Yes	Possible	K-Brown Or SD

2005-2007 TERRAZA (BUICK) — ADS-139

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
B97-PT	Select by Vehicle	Yes	No	Not Needed	K-Brown Or SD

Note: 12 minute security wait. Check model for which keyway used.

Split Year

2005-2007 TERRAZA (BUICK) — ADS-139

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
PT04-PT	Select by Vehicle	Yes	No	Not Needed	K-Brown Or SD

Note: 12 minute security wait. Check model for which keyway used.

2007-2009 TORRENT (PONTIAC) — ADS-139

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
B111-PT ⊕	Select by Vehicle Type 4	Yes	No	Not Needed	K-Brown Or SD

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2009-2017 TRAVERSE (Chevy) — ADS-139

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
B111-PT ⊕	Select by Vehicle	Yes	No	Not Needed	K-Brown Or SD

2016 TRAX With KEYED IGN. (Chevy) — ADS-223

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select CHEVY SPARK	Yes	4 Digit Pin & 12 Minute Wait	Possible try by selecting SPARK	K-Brown Or SD

Split Year

2005-2008 UPLANDER (Chevy) — ADS-139

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
B97-PT	Select by Vehicle	Yes	No	Not Needed	K-Brown Or SD

Note: Check model for which keyway used.

2005-2008 UPLANDER (Chevy) — ADS-139

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
PT04-PT	Select by Vehicle	Yes	No	Not Needed	K-Brown Or SD

Note: Check model for which keyway used.

1999-2005 VENTURE (Chevy) — ADS- 138

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
B97-PT	Type 1	Yes	No	Not Needed	C-Green Or SD

Programming Note: At the start of the procedure when the tester asks you to turn the ignition OFF then back on a couple of times, just leave the ignition ON as you go thru these screens & press ENTER. Otherwise, communication will fail.

2014-2015 VERANO With PROX (Buick) — ADS-223

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	4 Digit Pin & 12 Minute Wait	Possible on Most Gas Engines	K-Brown Or SD

2012-2013 VERANO With PROX (Buick) — ADS-187

STRATTEC	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
5 Button PEPS: 5912559	Select by Vehicle	Yes	4 Digit Pin & 12 Minute Wait	Possible	K-Brown Or SD

2012-2013 VERANO WITH KEYED IGN. (BUICK) — ADS-187

STRATTEC	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
4 Button Rem. Key: 5912555 --- 5 Button Rem. Key: 5912556	Select by Vehicle	Yes	4 Digit Pin & 12 Minute Wait	Possible	K-Brown Or SD

2008-2010 VIBE (PONTIAC) — ADS-150

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
TOY44D-PT (4D Chip)	TOYOTA IMMO TYPE 2	Yes	No	Not Needed	A-Black Or SD

TRANSPONDER SYSTEM IS OPTIONAL

Note: Dealer Non-Remote Key: 89785-08020 (USA) - See Corolla - Toyota 2007 Software

2014-2015 VOLT WITH PROX (CHEVY) — ADS-223

STRATTEC	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
5 Button 315 MHz: 5920157 --- 5 Button 433 MHz: 5922037	Select by Vehicle	Yes	Yes	Possible	K-Brown Or SD

Prox Learning slot is located in compartment center of dash.

2011-2013 VOLT WITH PROX (CHEVY) — ADS-187

STRATTEC	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
5 Button 315 MHz: 5920157 --- 5 Button 433 MHz: 5922037	Select by Vehicle	Yes	Yes	Possible	K-Brown Or SD

Prox Learning slot is located in compartment center of dash.

2008-2009 VUE (SATURN) — ADS-139

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
B114-PT ⊕	Select by Vehicle Type 4	Yes	No	Not Needed	K-Brown Or SD

Note: Daewoo keyway with Circle Plus chip. : DW47 / ILCO: DWO5AP

2004-2009 XLR WITH PROX (CADILLAC) — ADS-187

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
2004-07 OEM 15212512 2008-09 OEM 25854923 Check with dealer or distributor for correct part to use	'RCDLR' SYSTEM Select by Vehicle	Yes	No	Not Needed	C-Green Or SD

2013-2016 XTS With PROX (Cadillac) — ADS-223

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with Dealer for proper Key or Prox	Select by Vehicle	Yes	4 Digit Pin & 12 Minute Wait	Depends on Engine Type- See below	K-Brown Or SD

2015-2016 YUKON With KEYED IGN. (GMC) — ADS-223

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select By Vehicle	Yes	4 Digit Pin & 12 Minute Wait	Possible on Most Gas Engines	K-Brown Or SD

2015-2016 YUKON With PROX (GMC) — ADS-223

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	4 Digit Pin & 12 Minute Wait	Possible on Most Gas Engines	K-Brown Or SD

2007-2014 YUKON (GMC) — ADS-139

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
B111-PT ⊕	Select by Vehicle Type 4	Yes	No	Not Needed	K-Brown Or SD

2008-2013 3500 (GMC) — ADS- 139

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
B111-PT ⊕	Select by Vehicle Type 4	Yes	No	Not Needed	K-Brown Or SD

GM USA KEYED (BLADED) IGNITION MODELS COVERED BY ADS-138 & ADS-139 SOFTWARE



SPECIAL FUNCTIONS

Program Keys - Erases all currently programmed keys from memory.

Programs only keys used during the procedure.

Use on-board programming to add additional keys.

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-138 & ADS-139	ADC-250 / ADC- 251 L (PINK) DONGLE
MAX # OF KEYS:	**SMART DONGLE?**
8	YES
KEYS:	**SECURITY:**
PK3 keys the chips are re-usable. Circle Plus keys are not re-usable. (This means they lock and can't be re-used on another vehicle)	NO PIN CODE REQUIRED 12 MINUTE SECURITY WAIT.
	COMPONENTS MATCHED?
	IMMO & PCM BCM ARE MATCHED
	MATCHING CAPABILITY?
	NONE DEALER EQUIPMENT NEEDED TO MATCH COMPONENTS IF CHANGED

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

TIPS:
MAKE SURE BATTERY VOLTAGE IS KEPT STRONG DURING THE ENTIRE 12 MINUTE WAIT.

MORE INFO:

At the end of the 12min car enters learn mode, turn the key OFF and leave it in the ignition, wait 15 seconds then turn the key to the ON position.

At this point this key should be programmed and the learn mode is closed.

USA market models- Requires only 1 key to close the learn mode. Only 1 programmed key is required to add additional keys.
Also, 3x10min on board programming without using diagnostics may be available.

Canadian market models- (look for Kilometers on the dash instead of miles in the mileage indicator) require 2 keys to close the learning and two programmed keys to on board program additional keys.

GM USA KEYED (BLADED) IGNITION
MODELS COVERED BY ADS-138 SOFTWARE

Use this method to PROGRAM KEYS

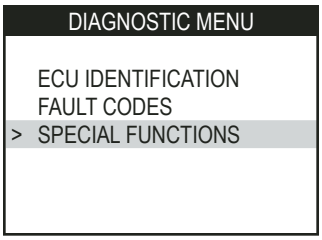
START HERE:

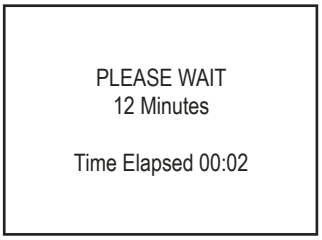
Select:

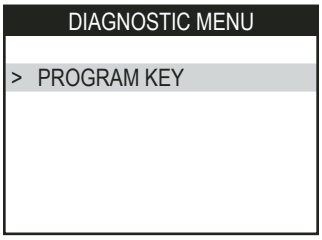
+GM USA
+IMMOBILISER
+BY SYSTEM
or
+BY VEHICLE

Check the Key Look Up Guide and use what we recommend there.







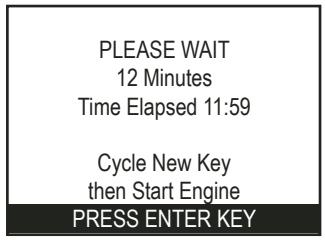


Once the MVP/TCODE makes a connection to the car - it will take 12 minutes to clear the system and allow key programming.

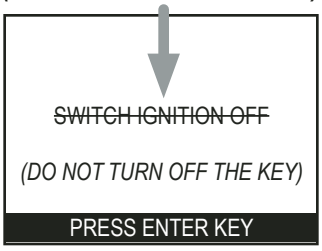


The next screens are WRONG and confusing, they will ask you to switch the IGNITION off then on. LEAVE THE IGN ON & PRESS ENTER

(DO NOT TURN OFF THE KEY)







Turning the ignition OFF and then back on programs the key.
Models with export software (Canada) may require 2 Keys.

The VIN is displayed from the vehicle you are connected to along with the Software Version on the vehicle.

GM USA KEYED (BLADED) IGNITION
MODELS COVERED BY ADS-139 SOFTWARE

Use this method to PROGRAM KEYS

START HERE:

Select:

+GM USA
+IMMOBILISER
+BY SYSTEM
or
+BY VEHICLE

Check the Key Look Up Guide and use what we recommend there.

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

TYPE X

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU

MODULE INFORMATION
> PROGRAM KEY

PROGRAM KEYS

PLEASE WAIT

PROGRAM KEYS

PLEASE WAIT
12 MINUTES

TIME ELAPSED 00

Once the MVP/TCODE makes a connection to the car - it will take 12 minutes to clear the system and allow key programming.

PROGRAM KEYS

PROCEDURE COMPLETE

DISCONNECT TESTER
CYCLE KEYS

Turning the ignition OFF and then back on programs the key.
Models with export software (Canada) may require 2 Keys.



G. M. Remote Programming



Use this method to Program Remotes

START HERE:

Select:

+GM USA
+REMOTES
+BY SYSTEM

Make sure you have all the remotes you want to program ready.

VEHICLE SELECTION
TYPE 1
TYPE 2
TYPE 3
TYPE 4
TYPE 5
TYPE 6
TYPE 7



MOST GM REMOTE SYSTEMS REQUIRE SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWITCH IGNITION ON
PRESS ENTER KEY

PLEASE WAIT
TRYING TO COMMUNICATE

ECU IDENTIFICATION
8 DIGIT DM: 25785142 PROM ID: 1016
PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU
> PROGRAM REMOTE

PLEASE HOLD
LOCK UNLOCK BUTTONS
FOR 30 SECONDS

Time Elapsed 00:05

Some systems vary as to what you have to do here, make sure to read and follow the on-screen instructions from the tester carefully.

DID THE DOORS
LOCK UNLOCK

NO=BACK YES=ENTER

DO YOU WANT TO
PROGRAM MORE REMOTES

NO=BACK YES=ENTER

PROGRAM REMOTES
PROCEDURE COMPLETE
PRESS ENTER KEY



G.M. *REMOTE APPLICATIONS*



MAKE	MODEL	FROM	TO	TYPE	DONGLE
BUICK	ALLURE	2005	2006	13	C
BUICK	ALLURE	2007	2008	14	C
BUICK	CENTURY	1997	2005	3	C
BUICK	ENCLAVE	2008	2017	9	K
BUICK	LACROSS	2005	2006	13	C
BUICK	LACROSS	2007	2009	14	C
BUICK	LEASBRE	2000	2005	5	C
BUICK	LUCERNE	2006	2011	9	K
BUICK	PARK AVE	2000	2005	3	C
BUICK	REGAL	2000	2004	3	C
BUICK	RENDEVOUS	2002	2007	1	C
CADILLAC	CTS	2003	2007	2	C
CADILLAC	CTS	2008	2015	9	K
CADILLAC	DEVILLE	1998	2005	5	C
CADILLAC	DTS	2006	2011	9	K
CADILLAC	ELDERADO	1998	2002	5	C
CADILLAC	SEVILLE	1998	2004	5	C
CADILLAC	SRX	2008	2009	9	K
CHEVROLET	ASTRO	2003	2005	6	C
CHEVROLET	AVALANCHE	2007	2013	9	K
CHEVROLET	BLAZER	2004	2005	6	C
CHEVROLET	CAVALIER	2000	2005	4	C
CHEVROLET	COBALT	2005	2006	11	K
CHEVROLET	COBALT	2007	2010	9	K
CHEVROLET	COLORADO	2004	2014	7	C
CHEVROLET	EQUINOX	2005	2006	4	C
CHEVROLET	EQUINOX	2007	2009	9	K
CHEVROLET	EXPRESS	2002	2007	5	C
CHEVROLET	EXPRESS	2008	2016	9	K
CHEVROLET	HHR	2005	2006	11	K
CHEVROLET	HHR	2007	2011	9	K
CHEVROLET	IMPALA	2006	2012	9	K
CHEVROLET	MALIBU CLASSIC	2001	2006	5	C
CHEVROLET	MAILIBU CLASSIC	2013	2016	9	K
CHEVROLET	MALIBU	2004	2006	11	K
CHEVROLET	MAILIBU	2007	2012	9	K
CHEVROLET	MONTE CARLO	2003	2005	12	C
CHEVROLET	MONTE CARLO	2006	2007	9	K
CHEVROLET	S10	2003	2005	6	C



G.M. *REMOTE APPLICATIONS*



MAKE	MODEL	FROM	TO	TYPE	DONGLE
CHEVROLET	SILVERADO	2007	2013	9	K
CHEVROLET	SILVERADO	2014	2016		K
CHEVROLET	SSR				
CHEVROLET	SUBURBAN	2007	2013	9	K
CHEVROLET	SUBURBAN	2014	2016		K
CHEVROLET	TRIALBLAZER	2002	2008	8	C
CHEVROLET	TRAVERSE	2009	2017	9	K
CHEVROLET	UPLANDER	2005	2007	13	C
CHEVROLET	UPLANDER	2008	-	14	C
GMC	ACADIA	2007	2011	9	K
GMC	CANYON	2004	2012	7	C
GMC	DENALI	2007	2011	9	K
GMC	ENVOY	2002	2008	8	C
GMC	JIMMY	2003	2006	6	C
GMC	SAVANNA	2003	2007	5	C
GMC	SAVANNA	2008	2016	9	K
GMC	SAFARI	2003	2006	6	K
GMC	SIERRA	2007	2013	9	K
GMC	SONOMA	2004	2005	6	C
GMC	YUKON	2007	2016	9	K
HUMMER	H3	2005	2010	7	C
ISUZU	ASCENDER	2003	2008	8	C
ISUZU	I-280	2006	-	7	C
ISUZU	I-290	2006	2008	7	C
ISUZU	I-350	2006	-	7	C
ISUZU	I-370	2007	2008	7	C
OLDSMOBILE	AUROURA	2001	2003	5	C
OLDSMOBILE	BREVADA	2002	2004	8	C
PONTIAC	AZTEC	2001	2005	1	C
PONTIAC	BONNEVILLE	2000	2005	5	C
PONTIAC	G5	2007	2009	9	K
PONTIAC	G6	2005	2006	11	K
PONTIAC	G6	2007	2010	9	K
PONTIAC	G8	2008	2009	9	K
PONTIAC	GRAND AM	1999	2005	5	C
PONTIAC	GRAND PRIX	2004	2005	13	C
PONTIAC	GRAND PRIX	2007	2008	14	C
PONTIAC	MONTANA SV6	2005	2007	13	C
PONTIAC	MONTANA SV6	2008	2009	14	C



G.M. *REMOTE APPLICATIONS*



MAKE	MODEL	FROM	TO	TYPE	DONGLE
PONTIAC	PURSUIT	2008	2009	9	K
PONTIAC	SOLSTICE	2006	2009	9	K
PONTIAC	SUNFIRE	2000	2005	4	C
PONTIAC	TORRENT	2007	2009	9	K
SAAB	9-7X	2005	2008	8	C
SATURN	AURA	2007	2009	9	K
SATURN	ION	2003	2007	4	C
SATURN	L SERIES	2005	2005	4	C
SATURN	OUTLOOK	2008	2008	9	K
SATURN	RELAY	2007	2007	13	C
SATURN	S SERIES	2000	2005	4	C
SATURN	SKY	2007	2010	9	K
SATURN	VUE	2002	2007	4	C

If you do not see a model listed in the charts that is because it uses an
ON BOARD PROCEDURE and does not REQUIRE the use of diagnostics to program remotes.

2014> SILVERADO / SUBURBAN / SIERRA KEYED IGNITION MODELS WITH SEPARATE REMOTE

PROGRAM REMOTE-
This procedure takes only a few seconds and DOES NOT require a PIN CODE.
It programs new remotes into the system and erases all old remotes from memory.
A maximum of 8 remotes and a minimum of 1 remote can be programmed into memory.

SELECT:



+GM USA
+REMOTES
+BY VEHICLE
+CHEVROLET
+SILVERADO
+2014-2015

FOLLLOW THE SCREEN PROMPTS.
MAKE SURE YOU HAVE ALL REMOTES READY



WATCH VIDEO - REMOTE PROGRAMMING ON 2014 SIERRA PICK-UP



G. M. Remote Tips





WATCH VIDEO - 2005 CADILLAC CTS PROGRAMMING REMOTE

1) MVP Owners - No Tokens are used on GM RKE programming listed in this guide.

2) If you have problems getting a remote programmed check the battery on the remote.

3) Check that the vehicle battery voltage is at least 12volts.

4) Compare the part # and FCC ID to another working remote for that car if you have one.
In some cases it may be necessary to open up the remotes and compare the circuit boards to ensur match.

5) Be sure you have the correct remote for the vehicle you are working on.
Sorry..ADUSA tech support does not provide remote part numbers by vehicle. Please check your distributor or dealer parts counter for part numbers.

6) Some vehicle listed here may not have an RKE system as standard equipment. If the car does not have a remote now it's possible that the factory system is not installed, and of course you won't be able to program a remote!

System Type Notes:

Type 4:
Use "Program Remotes" to "Add" remotes (up to 4 max.) "Erase Remotes" erases all remotes from the system. On some Type 4 vehicles it has been reported you MUST use "Erase Remotes" function FIRST or the "Program Remotes" function will NOT work.

Type 5:
Might have to start procedure with Ignition in "Off" position.

Type 7 & **8:**
"Program Remotes" function can program up to 4 remotes at once. When initially communicating start with the ignition "ON" and then switch ignition "OFF" and select "Program Remotes" Now press and hold the Lock and Unlock buttons on each remote as prompted by the tester until the tester responds and asks if you want to program additional remotes.
When finished the tester will prompt you to cycle the ignition. Turn the ignition back "ON" then "OFF" and you are done. All previous remotes are erased. Use the "Check Remotes" selection to see how many remotes are programmed. Please note this feature also can show what button is being pressed on a remote. This feature works only with the ignition "OFF".

Type 13 & **14**:
4 remotes maximum - program all at the same time. Hold Lock & Unlock 10 sec each. Be careful with "KOBGT04A" FCC ID remotes used. The Part Number much be correct along with the FCC ID. They must both match or the remote will not program.

1997-2001 Cadillac Catera



SPECIAL FUNCTIONS

Program Keys - Erases all currently programmed keys from memory.

Programs only keys used during the procedure.

Use on-board programming to add additional keys.

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-100	ADC-250 / ADC- 251 A (BLACK) DONGLE
MAX # OF KEYS:	**SMART DONGLE?**
8	YES
KEYS:	**SECURITY:**
Must be factory key OEM chip	PIN CODE REQUIRED
	COMPONENTS MATCHED?
	IMMO & PCM ARE MATCHED
	MATCHING CAPABILITY?
	NONE DEALER EQUIPMENT NEEDED TO MATCH COMPONENTS IF CHANGED



SECURITY LIGHT / THEFT INDICATOR:

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

TIPS:

PIN CODE might appear as a VATS code when they go to look it up at the dealership.

KEY CODE

Dealer: 01001 Date: 03/23/02

VIN Number :
W06VR52R7WR142422

Ignition Key : 1566
Trunk Key : 1566
VATS : 9743

MORE INFO:

The 1997-2001 Cadillac Catera is a modified version of the European made Opel.

An important note to remember is that the Catera model in the USA will need a 4-digit PIN Code to complete key programming. The PIN Code is usually obtained through GM dealers or N.A.S.T.F.

If the wrong password is entered, the process is interrupted. After 3 attempts the ECU will lock and becomes blocked for 10 minutes, you must leave the key ON for at least 10 minutes to unlock the system.

The Pin Reading on the PRO will work 90% of the time IF THE INTRUCTIONS ARE FOLLOWED but ONLY if a spare key has ever been programmed into the car.

1997-2001
Cadillac Catera

ERASE/CLEAR ALL KEYS

START HERE:

Select:

+GM USA
+IMMOBILISER
+BY VEHICLE
+CADILLAC
CATERA

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

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 (PIN CODE) from the Dealer or thru N.A.S.T.F. or from PIN Read software.

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

1997-2001
Cadillac Catera

Use this method to PROGRAM KEYS

NOTE: To program keys you must you have the vehicles PIN CODE.

When programming keys You must first Clear all keys.

Once that is done, you can now Program Keys.

Select:

+GM USA
+IMMOBILISER
+BY VEHICLE
+CADILLAC
CATERA

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

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

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
LIVE DATA
> SPECIAL FUNCTIONS

PRESS ENTER KEY

DIAGNOSTIC MENU

CLEAR KEYS
> PROGRAM KEYS
READ PINCODE

SECURITY CODE

_ _ _ _

SECURITY CODE

X X X X

IS CODE CORRECT
OK=ENTER CLEAR=BACK

ACCESS GAINED

PROGRAMMING KEYS

INSERT NEW KEY

SWITCH IGNITION ON
AND THEN PRESS ENTER

KEY PROGRAMMED

SWITCH IGNITION OFF
AND THEN PRESS ENTER

PRESS BACK TO EXIT
ENTER - PROG. MORE KEYS

1997-2001
Cadillac Catera

Use this method to READ THE PIN CODE

Select:

+GM USA
+IMMOBILISER
+BY VEHICLE
+CADILLAC
CATERA

WARNING:
The PIN Code reading software does not work on every Cadillac Catera. If the software cannot read the Pin Code from the car - you will have to get it from a GM dealer or thru NASTF.

NOTE:
For MVP owners this software will cost you 1 Token to use.

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
LIVE DATA
> SPECIAL FUNCTIONS

PRESS ENTER KEY

DIAGNOSTIC MENU

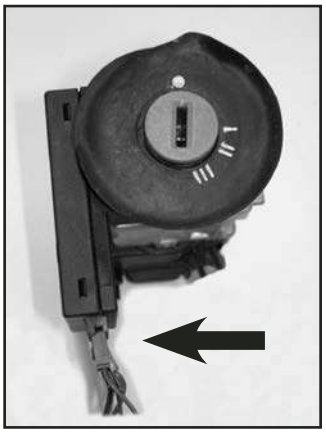
CLEAR KEYS
PROGRAM KEYS
> READ PINCODE

NOTE: Follow the next screen prompts.

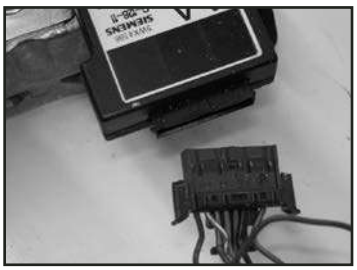
RESET IMMOBILSER

DISCONN. IMMO UNIT
FROM THE VEHICLE

PRESS ENTER KEY



NOTE: Disconnect the Blue connector that goes into the Immobilizer Control Unit on the steering column and then press enter on the tester.



RESET IMMOBILSER

RECONN. IMM UNIT
TO THE VEHICLE

PRESS ENTER KEY

NOTE: Reconnect the Blue connector that goes into the Immobilizer Control Unit and then press enter on the tester.

PLEASE WAIT
TRYING TO COMMUNICATE

P I N C O D E

2 3 9 4

PRESS ENTER KEY

NOTE: If you are unable to read the PIN Code, disconnect the tester and remove the key. Wait 2 minutes and try the procedure again.

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

PONTIAC GTO





SPECIAL FUNCTIONS

Program Keys - Erases all currently programmed keys from memory.

Programs only keys used during the procedure.

NO on-board programming to add additional keys.

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-139	ADC-250 / ADC- 251
MAX # OF KEYS:	**SMART DONGLE?**
8	YES
KEYS:	**SECURITY:**
Must be factory OEM key Head - Part# 92123129 Blade - Part# 94860087 Screws - Part# 92138596 Ilco Test Key Part #: HF56	PIN CODE REQUIRED
	COMPONENTS MATCHED?
	IMMO & PCM ARE MATCHED
	MATCHING CAPABILITY?
	NONE DEALER EQUIPMENT NEEDED TO MATCH COMPONENTS IF CHANGED

SECURITY LIGHT / THEFT INDICATOR:

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

TIPS:

PIN CODE might appear as a VATS code when they go to look it up at the dealership.

KEY CODE

Dealer: 01001 Date: 03/23/02

VIN Number :
W06VR52R7WR142422

Ignition Key : 1566
Trunk Key : 1566
VATS : 9743

MORE INFO:

PONTIAC GTO

Use this method to READ THE PIN CODE

START HERE:

Select:

+GM USA
+IMMOBILISER
+BY VEHICLE
+PONTIAC
GTO




REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWITCH IGNITION ON

PRESS ENTER KEY

You Do Not need to turn on the ignition to 'Read Out" the Key Code, PIN Code or Radio Code.

ECU IDENTIFICATION

S/W VERSION: 2
S/W DATE: XX/XX/XX
BCM CODE: BH007082

PRESS ENTER KEY

MECHANICAL NUMBER
H 2293

RADIO CODE
1564

PRESS ENTER KEY

The above codes are just examples from our test car.

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
LIVE DATE
ACTUATORS
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU

PROGRAM KEY
> READ PINCODE

SECURITY CODE
6 DIGIT PINCODE
NEEDS TO BE ENTERED
IF PINCODE IS LESS
THAN 6 DIGITS THEN
INSERT ZEROS BEFORE
ENTERING PINCODE
PRESS ENTER KEY

READ PINCODE

PINCODE: 61700

PRESS ENTER KEY

The above code is just an example from our test car.

Since the PIN Code is 5 digits, you need to add a zero to the front of it when programming the key.

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

PONTIAC GTO

Use this method to PROGRAM KEYS

Once you have the PIN CODE:

Select:

+GM USA
+IMMOBILISER
+BY VEHICLE
+PONTIAC
GTO



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

S/W VERSION: 2
S/W DATE: XX/XX/XX
BCM CODE: BH007082

PRESS ENTER KEY

MECHANICAL NUMBER
H 2293

RADIO CODE
1564

PRESS ENTER KEY

The above codes are just examples from our test car.

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
LIVE DATE
ACTUATORS
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU

> PROGRAM KEY
READ PINCODE

SECURITY CODE
6 DIGIT PINCODE
NEEDS TO BE ENTERED
IF PINCODE IS LESS
THAN 6 DIGITS THEN
INSERT ZEROS BEFORE
ENTERING PINCODE
PRESS ENTER KEY

SECURITY CODE

_ _ _ _ _ _

SECURITY CODE

0 6 7 1 1 2

IS CODE CORRECT
OK=ENTER CLEAR=BACK

The above code is just an example from our test car.

If the PIN Code is less than 6 digits, you need to add zeros to the front of it to make it 6 digits long.

PROGRAMMING KEY

For additional keys, repeat the procedure.

SATURN
ASTRA





SPECIAL FUNCTIONS

Program Keys - Erases all currently programmed keys from memory.

Programs only keys used during the procedure.

NO on-board programming to add additional keys.

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-139	ADC-250 / ADC- 251
MAX # OF KEYS:	**SMART DONGLE?**
8	YES
KEYS:	**SECURITY:**
Must be factory OEM key Saturn Astra Remote GM Part # 93192428	PIN CODE REQUIRED
	COMPONENTS MATCHED?
	IMMO & PCM ARE MATCHED
	MATCHING CAPABILITY?
	NONE DEALER EQUIPMENT NEEDED TO MATCH COMPONENTS IF CHANGED

SECURITY LIGHT / THEFT INDICATOR:

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

TIPS:

PIN CODE might appear as a VATS code when they go to look it up at the dealership.

KEY CODE

Dealer: 01001 Date: 03/23/02

VIN Number :
W06VR52R7WR142422 (just an example)

Ignition Key : 1566
Trunk Key : 1566
VATS : 9743

MORE INFO:

USA market models- Requires only 1 key to close the learn mode. Only 1 programmed key is required to add additional keys.
Also, 3x10min on board programming without using diagnostics may be available.

Canadian market models- (look for Kilometers on the dash instead of miles in the mileage indicator) may require 2 keys to close the learning and two programmed keys to on board program additional keys.

SATURN
ASTRA

Use this method to PROGRAM KEYS

Once you have the PIN CODE:

Select:

+GM USA
+IMMOBILISER
+BY VEHICLE
+SATURN
ASTRA

DIAGNOSTIC MENU

CLEAR KEYS
> PROGRAM KEYS
MECHANICAL NUMBER

ACCESS GAINED

PROGRAM KEYS

MAX 5 KEYS
TO BE PROGRAMMED

PRESS ENTER KEY

PROGRAM KEYS

NEW KEY WITH
VIRGIN TRANSPONDER

YES=ENTER NO=BACK



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

PROGRAM KEYS

PLEASE INSERT
KEY No 1
AND TURN ON
IGNITION

PRESS ENTER KEY

PROGRAM KEYS

IGN. KEY OFF,

THEN ON

PRESS ENTER KEY

SWITCH IGNITION ON

PRESS ENTER KEY

SECURITY CODE

_ _ _ _

PROGRAM KEYS

PROGRAM KEY No 1
SUCCESSFUL

WOULD YOU LIKE TO
PROGRAM KEY No 2

YES=ENTER NO=BACK

G M C A N

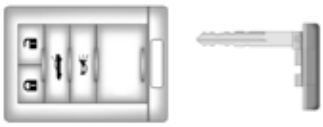
PRESS ENTER KEY

SECURITY CODE

X X X X

IS CODE CORRECT
OK=ENTER CLEAR=BACK

GM 'RCDLR' PROX SYSTEM ADS-187



SPECIAL FUNCTIONS

PROGRAM PROX KEY -

A 12 minute wait procedure that erases all currently programmed keys from The "RCDLR" (Remote Control Door Lock Receiver).

Once completed, the system is now ready to accept new PROX KEYS.

PLACE A KEY IN THE PROGRAMMING SLOT.

Turn the mechanical key in the drivers door lock (STS) or trunk lock (Corvette / CTS or lock on bumper (XLR) this signals the car to learn the key that is in the learning slot.

WARNING:
YOU MUST HAVE A KEY INSERT THAT WORKS IN THE ONLY LOCK ON THE EXTERIOR OF THE CAR TO BE SUCCESSFUL!

When the key is turned the dash should say: "LEARNING KEY" briefly then should say :

"READY FOR FOB # 2"

PLACE ANOTHER PROX IN THE SLOT.

The dash should say "READY FOR FOB # 3

Repeat this up to 4 FOBS MAX.

MORE INFO:

USA market models- Requires only 1 key to close the learn mode. Only 1 programmed key is required to add additional keys.
Also, 3x10min on board programming without using diagnostics may be available.

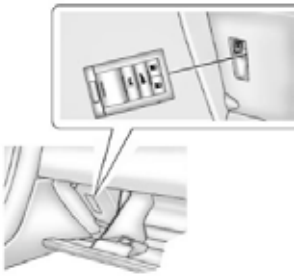
Canadian market models- (look for Kilometers on the dash instead of miles in the mileage indicator) require 2 keys to close the learning and two programmed keys to on board program additional keys.

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-187	ADC-250 / ADC- 251 G (GREY)
MAX # OF PROX KEYS:	**SMART DONGLE?**
4	YES
PROX KEYS:	**SECURITY:**
NON-RE-USABLE (LOCK TO THE CAR ONCE PROGRAMMED)	10 Minute wait / No bypass is available for any of these, must wait the 10 minutes.
	COMPONENTS MATCHED?
	IMMO PCM & BCM ARE MATCHED
	MATCHING CAPABILITY?
	NOT AVAILABLE

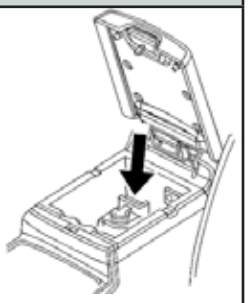
PROGRAMMING SLOT / POCKET LOCATIONS:



CORVETTE / STS PUSH BUTTON



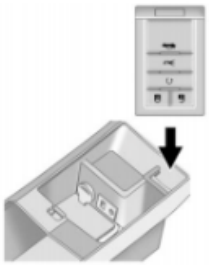
CORVETTE LEARNING SLOT INSIDE GLOVE BOX



STS LEARNING SLOT INSIDE CENTER CONSOLE

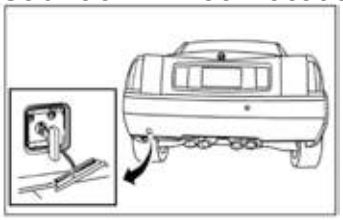


CTS PROX TURN KNOB



CTS LEARNING SLOT INSIDE CENTER CONSOLE

Cadillac XLR lock location



GM 'RCDLR'
PROX SYSTEM
ADS-187

Use this method to PROGRAM KEYS

YOU MUST HAVE A KEY INSERT THAT WORKS THE DRIVERS DOOR LOCK (STS) OR THE TRUNK LOCK (CORVETTE / CTS) XLR (LOCK HIDDEN BEHIND A COVER ON THE DRIVERS SIDE REAR BUMBER

DO NOT EVEN START THIS PROCEDURE IF YOU DO NOT HAVE A MECHANICAL KEY TO USE!

START HERE:

Select:

+GM USA
+IMMOBILISER
+BY VEHICLE
+SELECT THE MODEL
+SELECT THE YEAR
+PROX



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

ECU IDENTIFICATION
V.I.N. 1G6DV1EP8B0129611 HARDWARE: 20829683 PROM: 2049
PRESS ENTER KEY

DIAGNOSTIC MENU
> PROGRAM PROX KEY
PRESS ENTER KEY

DIAGNOSTIC MENU
PLEASE WAIT APPROX 12 MIN 00:33

>>>>>>>>>>>>>>>>>>>>>>>>AFTER THE 12 MINUTE WAIT

DIAGNOSTIC MENU
PROCEDURE COMPLETE TURN KEY TO UNLOCK 6 TIMES QUICKLY AND FOLLOW INSTRUCTIONS ON DASH

MAKE SURE THERE IS A PROX IN THE LEARNING SLOT.

AFTER TURNING THE KEY IN THE EXTERIOR LOCK 6 TIMES WATCH THE VEHICLE'S DASH.

WHEN THE DASH SAYS:
"READY FOR FOB #2,
EXCHANGE THE PROX FOR THE NEXT ONE,
OR END THE PROCEDURE BY STARTING THE ENGINE.

GM PIN CODE READING ADS-187 & ADS-223

Use this method to READ THE PIN CODE

ON GM GAS ENGINE CARS LISTED AS "PIN READ POSSIBLE" IN THE KEY LOOK UP GUIDE IT IS POSSIBLE TO READ THE PIN CODE DIRECTLY FROM THE CAR.

Select:

+GM USA
+READ PIN CODE
+BY VEHICLE
Next pick the make for example +BUICK
Then pick the model for example +LaCross
Next pick the YEAR for example +2013-2015
Then select +PROX or +NORMAL (BLADED)
Next select the ENGINE TYPE in the target vehicle.

I.E. L4 2.0L or L4 2.4L etc.



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWITCH IGNITION ON

PRESS ENTER KEY

Use "FORCE IGNITION ON" here on PROX cars if necessary.

ECU IDENTIFICATION

VIN: 1G6AA5RX8E0165901

PRESS ENTER KEY

DIAGNOSTIC MENU

>READ PIN CODE

PRESS ENTER KEY

READ PIN CODE

MAKE SURE IGNITION IS ON
AND ENGINE IS OFF

PRESS ENTER KEY

READ PIN CODE

PIN CODE: 4321 (EXAMPLE ONLY)

SWITCH AD100 PRO OFF

READ PIN CODE

ERROR ALGO
12BFF - 674D

IF YOU GET AN ERROR
THIS USUALLY MEANS THE WRONG ENGINE HAS BEEN SELECTED.

TRY OTHER SELECTIONS.
IT WON'T HURT ANYTHING TO TRY DIFFERENT ENGINE TYPES

ONCE YOU HAVE READ THE PIN WAIT ABOUT 2 MINUTES BEFORE DOING ANYTHING ELSE.

PROX (PUSH BUTTON START) MODELS
ADS187 & ADS 223

PROCEDURE-EXAMPLE

Let's walk thru the steps necessary to program a PROX into a Cadillac XTS in a lost key situation when we do not already have the vehicles PIN CODE.

1. FORCE IGNITION ON - Select +GM USA , then PIN CODE READING, By Vehicle, XTS, and perform the FORCE IGNITION ON procedure. Once the dash turns on LEAVE IT ON.

2. READ PIN CODE - Select +GM USA , then PIN CODE READING, By Vehicle, XTS, and perform the READ PIN CODE procedure. This should give you the cars PIN CODE. Write it down, so you don't forget it!
It will now be necessary to turn the PRO off and re-start the PRO.

3. PROGRAM PROX - Select +GM USA , then +IMMOBILIZER, +By Vehicle, XTS, and perform the PROGRAM PROX procedure. This is a guided process and the tester will walk you thru the steps. Make sure that a VIRGIN PROX is in the programming slot when you start. Carefully follow all the screens to completion. If you make a mistake and don't perform any of the steps you may have to start the process over.

ON GM PROX MODELS THE FIRST STEP IF YOU NEED TO READ THE PINCODE IS TO USE "FORCE IGNITION ON"

Select:

+GM USA
+READ PIN CODE
+BY VEHICLE
Next pick the make for example +BUICK
Then pick the model for example +LaCross
Next pick the YEAR for example +2013-2015
+PROX
>FORCE IGNITION ON

FORCE IGNITION ON
VIN: 1XXXXXXXXXXXXXXXX
SUCCESSFUL
SWITCH AD100 PRO OFF
PRESS ENTER KEY

LEAVE THE IGNITION ON

TURN THE PRO OFF AND THEN BACK ON AND READ THE PIN CODE.

NEXT:

Go back thru the same menu and select
The cars ENGINE TYPE to attempt to read the PIN CODE.

For example: L4 2.0L (Gas 4 Cylinder 2.0 Liter)

VEHICLE SELECTION
>L4 2.0L
L4 2.4L
FORCE IGNITION ON
PRESS ENTER KEY

PROX (PUSH BUTTON START) MODELS ADS187 & ADS 223





SPECIAL FUNCTIONS

PROGRAM PROX- This procedure takes 12 minutes and requires a PIN CODE.
It erases all previous keys from memory and programs new keys into the system.
A maximum of 8 keys and a minimum of 1 key can be programmed into memory.

Remote functions program in along with the transponder on switchblade type flip keys and do not need to be programmed in separately. However, the newest systems found on 14 Silverado / Suburban pick ups that come with a separate remote program in separately

ADD PROX- This procedure takes 12 minutes and requires a PIN CODE.
It programs new keys into the system without erasing old keys from memory.
A maximum of 8 keys and a minimum of 1 key can be programmed into memory.
Remote functions program in along with the transponder on switchblade type flip keys and do not need to be programmed in separately.

All the vehicles covered by ADS-187 / ADS-223 should be selected “by vehicle” from the GM USA Menu selection.

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-187 ADS-223	ADC-250 / ADC- 251 K (BROWN) DONGLE
PROX KEYS:	**SMART DONGLE?**
8	YES
KEYS:	**SECURITY:**
OEM Keys must be virgin. They lock to the vehicle and cannot be re-used on or from another vehicle.	PIN CODE & 12 MINUTE SECURITY WAIT
	COMPONENTS MATCHED?
	IMMO, PCM & BCM ARE MATCHED
	MATCHING CAPABILITY?
	NOT AVAILABLE

SECURITY LIGHT / THEFT INDICATOR:

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

MORE INFO:

USA market models- Requires only 1 key to close the learn mode. Only 1 programmed key is required to add additional keys.
Also, 3x10min on board programming without using diagnostics may be available.

Canadian market models- (look for Kilometers on the dash instead of miles in the mileage indicator) require 2 keys to close the learning and two programmed keys to on board program additional keys.

Switchblade keys - The RKE programs in automatically. (No separate procedure.

PROX (PUSH BUTTON START) MODELS
ADS187 & ADS 223

PROX PROGRAMMING SLOT LOCATIONS

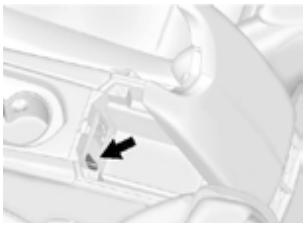
MAKE SURE THERE IS A PROX IN THE PROGRAMMING SLOT WHEN PERFORMING PROX PROGRAMMING-
The PRO screen may simply call this the "CUP HOLDER"

THE SLOT LOCATION VARIES ON DIFFERENT MAKES & MODELS.

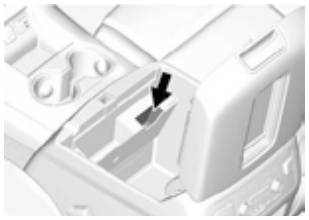
It may be necessary on some to remove the cup holder to expose the slot



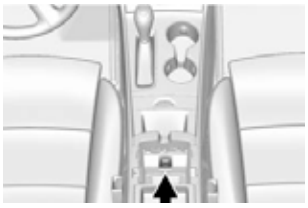
CORVETTE



ATS



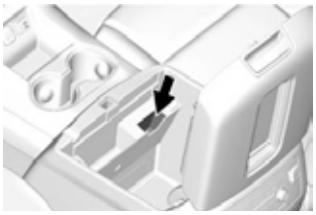
SUBURBAN



IMPALA



XTS



TAHOE



VOLT



LACROSS



CRUZE

WARNING! If the Prox is not in the slot the procedure will fail!

KEYED (BLADED) IGNITION MODELS ADS187 & ADS 223





SPECIAL FUNCTIONS

PROGRAM KEY- This procedure takes 12 minutes and requires a PIN CODE.
It erases all previous keys from memory and programs new keys into the system.
A maximum of 8 keys and a minimum of 1 key can be programmed into memory.

Remote functions program in along with the transponder on switchblade type flip keys and do not need to be programmed in separately. However, the newest systems found on 14 Silverado / Suburban pick ups that come with a separate remote program in separately

ADD KEY- This procedure takes 12 minutes and requires a PIN CODE.
It programs new keys into the system without erasing old keys from memory.
A maximum of 8 keys and a minimum of 1 key can be programmed into memory.
Remote functions program in along with the transponder on switchblade type flip keys and do not need to be programmed in separately.

All the vehicles covered by ADS-187 / ADS-223 should be selected “by vehicle” from the GM USA Menu selection.

MORE INFO:

USA market models- Requires only 1 key to close the learn mode. Only 1 programmed key is required to add additional keys.
Also, 3x10min on board programming without using diagnostics may be available.

Canadian market models- (look for Kilometers on the dash instead of miles in the mileage indicator) require 2 keys to close the learning and two programmed keys to on board program additional keys.

Switchblade keys - The RKE programs in automatically. (No separate procedure.

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-187 ADS-223	ADC-250 / ADC- 251 K (BROWN) DONGLE
PROX KEYS:	**SMART DONGLE?**
8	YES
KEYS:	**SECURITY:**
OEM Keys must be virgin. They lock to the vehicle and cannot be re-used on or from another vehicle.	PIN CODE & 12 MINUTE SECURITY WAIT
	COMPONENTS MATCHED?
	IMMO, PCM & BCM ARE MATCHED
	MATCHING CAPABILITY?
	NOT AVAILABLE

SECURITY LIGHT / THEFT INDICATOR:

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

WATCH VIDEO - 2015 TAHOE READ PIN AND PROGRAM KEY



Switchblade keys - The RKE programs in automatically. (No separate procedure.

2014> SILVERADO/ SUBURBAN KEYED IGNITION MODELS WITH SEPARATE REMOTE

PROGRAM REMOTE-
This procedure takes only a few seconds and DOES NOT require a PIN CODE.
It programs new remotes into the system and erases all old remotes from memory.
A maximum of 8 remotes and a minimum of 1 remote can be programmed into memory.

SELECT:



+GM USA
+REMOTES
+BY VEHICLE
+CHEVROLET
+SILVERADO
+2014-2015

FOLLOW THE SCREEN PROMPTS.
MAKE SURE YOU HAVE ALL REMOTES READY

KEYED (BLADED) IGNITION MODELS ADS187 & ADS 223

Use this method to PROGRAM KEYS

Start here if you have the PIN CODE:

Select:

+GM USA
+IMMOBILISER
+BY VEHICLE
Next pick the make for example +BUICK
Then pick the model for example +LaCross
Next pick the YEAR for example +2013-2015
+NORMAL or BLADED for keyed models



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

VIN: XXXXXXXXXXXXXXXXX

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
>SPECIAL FUNCTIONS

PRESS ENTER KEY

PROGRAM KEYS

>PROGRAM KEYS
ADD KEY

PRESS ENTER KEY

PROGRAM KEYS - Erases all

ADD KEY - Programs 1 (without erasing others)

PROGRAM KEYS

WARNING
ALL KEYS WILL
CLEARED
CONTINUED

X ✔

SECURITY CODE

_ _ _ _ _

1	2	3	4	5
6	7	8	9	0

Enter the PIN Code to the car.

SECURITY CODE

6 4 4 7 7
(this is just an example)

X ✔

KEYED (BLADED) IGNITION MODELS ADS187 & ADS 223

Use this method to PROGRAM KEYS - CONT'D

PROGRAM KEYS
PLEASE WAIT: 12 MINUTES TIME ELAPSED: 1:45 sec

IF THE PINCODE IS WRONG YOU WILL GET THIS SCREEN -

PROGRAM KEYS
INCORRECT ACCESS CODE
PRESS ENTER KEY

AFTER the 12 minute wait
FOLLOW the prompts on the screen.
PERFORM the steps carefully.

DO YOU WANT TO PROGRAM MORE KEYS?	
X	✔

FOLLOW the prompts on the screen.
PERFORM the steps carefully.

PROGRAM KEYS
PROCEDURE COMPLETE KEYS PROGRAMMED: 01 CHECK ENGINE STARTS
PRESS ENTER KEY

PROCEDURE COMPLETE!

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HYUNDAI & KIA SECTION





T-CODE SOFTWARE PACKS:

Hyundai & Kia USA (ADS-118)

Kia CAN (ADS-147)

Hyundai and Kia 2012 (ADS-196)

(Software names generally refer to the date of release on the T-CODE not the years of vehicles covered).

CAN stands for Controller Area Network, not Canada

Find a Sales Representative Near You

>>>>>WARNING<<<<< >>>>>WARNING<<<<< >>>>>WARNING<<<<<

Used Prox remotes for Hyundai & Kia , Prox keys that are not BRAND NEW (have been used on another car) cannot be re-used.
There are lots of so-called "unlocked" or "re-furbished" Prox fobs being sold on the internet.
Some can be good quality and almost like new but be very careful as you sometimes "get what you pay for".

TOKEN WARNING: MVP will go all the way thru and use a token even if the Prox is not accepted.
Brand new keys from a reputable dealer program in 100% without issue.
Also, keep in mind, 2010 & 2011 models only accept 2 Prox max.
Some 2013 models may accept up to 3 Prox max.

2012-2013 ACCENT (HYUNDAI) WITH KEYED IGNITION — ADS-147

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle CAN 3	Yes	Yes	No	**A**-Black Or SD

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder

2006-2011 ACCENT (HYUNDAI) WITH KEYED IGNITION — ADS-147

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle CAN 4	Yes	Yes	No	**A**-Black Or SD

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder

2007-2009 AMANTI (KIA) WITH KEYED IGNITION — ADS-147

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Key: 81996-3F050	Select by Vehicle	Yes	Yes	No	**A**-Black Or SD

PIN Code required from Kia dealer or N.A.S.T.F. All are transponder equipped.

2004-2006 AMANTI (KIA) WITH KEYED IGNITION — ADS-118

OEM	ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
81996-3FA10	KK7-PT	Select by Vehicle	Yes	Yes	No	**A**-Black Or SD

PIN Code required from Kia dealer or N.A.S.T.F. All are transponder equipped.

2012-2015 AZERA (HYUNDAI) WITH PROXIMITY START BUTTON IGNITION — ADS-196

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle USA Genesis PROX 13-14	Yes	Yes	No	**A**-Black Or SD

PIN Code required from Hyundai dealer or N.A.S.T.F.

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2006-2011 AZERA (HYUNDAI) WITH KEYED IGNITION — ADS-147

OEM / ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM: 81996-3L010 HY20PT	Select by Vehicle	Yes	Yes	No	**A**-Black Or SD

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder

2009-2011 BORREGO (KIA) WITH OPTIONAL PROXIMITY START BUTTON IGNITION — ADS-147

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	Yes	No	**A**-Black Or SD

PIN Code required from dealer or N.A.S.T.F.

2009-2011 BORREGO (KIA) WITH KEYED IGNITION — ADS-147

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM Key: 81996-2J010	Select by Vehicle	Yes	Yes	No	**A**-Black Or SD

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder

2014-2015 CADENZA (KIA) WITH PROXIMITY START BUTTON IGNITION — ADS-196

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	Yes	No	**A**-Black Or SD

PIN Code required from dealer or N.A.S.T.F.

2014-2016 ELANTRA (HYUNDAI) WITH PROXIMITY START BUTTON IGNITION — ADS-196

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	Yes	No	**A**-Black Or SD

Note: PIN Code required from Hyundai dealer or N.A.S.T.F.

2011-2013 ELANTRA (HYUNDAI) WITH PROXIMITY START BUTTON IGNITION — ADS-147

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	Yes	No	**A**-Black Or SD

PIN Code required from Hyundai dealer or N.A.S.T.F.

2006-2013 ELANTRA (Hyundai) with Keyed Ignition — ADS-147

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle CAN 3	Yes	Yes	No	**A**-Black Or SD

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only.

2006-2010 ENTOURAGE (Kia) with Keyed Ignition — ADS-147

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle CAN 3	Yes	Yes	No	**A**-Black Or SD

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder

2006-2007 ENTOURAGE (Kia) with Keyed Ignition — ADS-147

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle TYPE 1	Yes	Yes 2345	No	**A**-Black Or SD

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder

2013-2015 EQUUS (Hyundai) with Proximity START Button Ignition — ADS-147

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Hyundai PROX: 95440-3N470	Select by Vehicle Select Kia / K900	Yes	Yes	No	**A**-Black Or SD

PIN Code required from Hyundai dealer or N.A.S.T.F.

2014-2017 FORTE (Kia) with Proximity Start Button Ignition — ADS-196

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	Yes	No	**A**-Black Or SD

PIN Code required from dealer or N.A.S.T.F.

2011-2013 FORTE (Kia) with Proximity Start Button Ignition — ADS-147

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	Yes	No	**A**-Black Or SD

PIN Code required from dealer or N.A.S.T.F.

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2014-2015 FORTE (HYUNDAI) WITH KEYED IGNITION — ADS-196

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	Yes	No	**A**-Black Or SD

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder

2009-2013 FORTE WITH KEYED IGNITION — ADS-147

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle CAN 3	Yes	Yes	No	**A**-Black Or SD

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder

2013-2016 GENESIS (HYUNDAI) 4 DOOR WITH PROXIMITY START BUTTON IGNITION — ADS-196

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	Yes	No	**A**-Black Or SD

PIN Code required from Hyundai dealer or N.A.S.T.F.

2009-2013 GENESIS (HYUNDAI) 4 DOOR WITH PROXIMITY START BUTTON IGNITION — ADS-147

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Hyundai PROX: 95440-3M100 Emergency Key: 81999-3M020	Select by Vehicle	Yes	Yes	No	**A**-Black Or SD

PIN Code required from Hyundai dealer or N.A.S.T.F.

2010-2013 GENESIS COUPE (HYUNDAI) WITH PROXIMITY START BUTTON IGNITION — ADS-147

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Hyundai PROX: 95440-2M300 Emergency Key: 81996-2M020	Select by Vehicle	Yes	Yes	No	**A**-Black Or SD

PIN Code required from Hyundai dealer or N.A.S.T.F.

2010-2013 GENESIS COUPE (HYUNDAI) WITH KEYED IGNITION — ADS-147

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Hyundai Key: 81996-2B010	Select by Vehicle	Yes	Yes	No	**A**-Black Or SD

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder

2015-2016 K900 (Kia) with Proximity Start Button Ignition — ADS-196

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	Yes	No	**A**-Black Or SD

PIN Code required from dealer or N.A.S.T.F. /

2008-2010 MAGENTIS (Kia) with Keyed Ignition — ADS-147

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle CAN 3	Yes	Yes	No	**A**-Black Or SD

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder

2006-2007 MAGENTIS (Kia) with Keyed Ignition — ADS-118

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle Type 1	Yes	Yes 2345	No	**A**-Black Or SD

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder

2014-2016 OPTIMA (Kia) with Proximity Start Button Ignition — ADS-196

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	Yes	No	**A**-Black Or SD

PIN Code required from Kia dealer or N.A.S.T.F.

2010-2013 OPTIMA (Kia) with Proximity Start Button Ignition — ADS-147

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	Yes	No	**A**-Black Or SD

PIN Code required from Kia dealer or N.A.S.T.F.

2011-2013 OPTIMA (Kia) with Keyed Ignition — ADS-147

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	Yes	No	**A**-Black Or SD

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder

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2011-2016 RIO (KIA) WITH PROXIMITY START BUTTON IGNITION — ADS-196

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	Yes	No	**A**-Black Or SD
PIN Code required from Kia dealer or N.A.S.T.F.					

2012-2016 RIO (KIA) WITH KEYED IGNITION — ADS-196

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	Yes	No	**A**-Black Or SD
PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder					

2006-2011 RIO (KIA) WITH KEYED IGNITION — ADS-147

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle CAN 4	Yes	Yes	No	**A**-Black Or SD
PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder					

2006-2011 RIO 5 (KIA) WITH KEYED IGNITION — ADS-147

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle CAN 4	Yes	Yes	No	**A**-Black Or SD
PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder					

2013-2015 SANTA FE (HYUNDAI) WITH PROXIMITY START BUTTON IGNITION — ADS-196

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	Yes	No	**A**-Black Or SD
PIN Code required from Hyundai dealer or N.A.S.T.F.					

2013-2015 SANTA FE (HYUNDAI) WITH KEYED IGNITION — ADS-196

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	Yes	No	**A**-Black Or SD
PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder					

2007-2012 SANTA FE (Hyundai) with Keyed Ignition — ADS-147

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	Yes	No	**A**-Black Or SD

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder

2004-2006 SANTA FE (Hyundai) with Keyed Ignition — ADS-118

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	Yes	No	**A**-Black Or SD

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder

2017 SEDONA (Hyundai) with Proximity START Button Ignition — ADS-196

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	Yes	No	**A**-Black Or SD

PIN Code required from Hyundai dealer or N.A.S.T.F.

2007-2013 SEDONA (Kia) with Keyed Ignition — ADS-147

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	Yes	No	**A**-Black Or SD

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder

2004-2006 SEDONA (Kia) with Keyed Ignition — ADS-118

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle Type 1	Yes	Yes 2345	No	**A**-Black Or SD

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder

2014-2016 SONATA (Hyundai) with Proximity START Button Ignition — ADS-196

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	Yes	No	**A**-Black Or SD

PIN Code required from Hyundai dealer or N.A.S.T.F.

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2011-2013 SONATA (Hyundai) with Proximity START Button Ignition — ADS-147

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Hyundai PROX: 95440-3Q000 Emergency Key: 81996-3S020	Select by Vehicle	Yes	Yes	No	**A**-Black Or SD
PIN Code required from Hyundai dealer or N.A.S.T.F.					

2015-2016 SONATA (Hyundai) with Keyed Ignition — ADS-196

OEM / ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	Yes	No	**A**-Black Or SD
PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder					

2011-2014 SONATA (Hyundai) (Kia) with Keyed Ignition — ADS-147

OEM / ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	Yes	No	**A**-Black Or SD
PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder					

2014-2016 SORENTO (Kia) with Optional Proximity Start Button Ignition — ADS-196

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	Yes	No	**A**-Black Or SD
PIN Code required from dealer or N.A.S.T.F.					

2011-2013 SORENTO (Kia) with Proximity Start Button Ignition — ADS-147

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	Yes	No	**A**-Black Or SD
PIN Code required from dealer or N.A.S.T.F.					

2006 SORENTO (Kia) with Keyed Ignition — ADS-147

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	Yes	No	**A**-Black Or SD
PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder					

2004-2005 SORENTO (Kia) with Keyed Ignition — ADS-118

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle Type 1	Yes	Yes 2345	No	**A**-Black Or SD

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder

2011-2016 SOUL (Kia) with Proximity Start Button Ignition — ADS-196

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	Yes	No	**A**-Black Or SD

PIN Code required from Kia dealer or N.A.S.T.F.

2011-2013 SOUL (Kia) with Proximity Start Button Ignition — ADS-147

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	Yes	No	**A**-Black Or SD

PIN Code required from Kia dealer or N.A.S.T.F.

2014-2015 SOUL (Kia) with Keyed Ignition — ADS-196

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	Yes	No	**A**-Black Or SD

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder

2011-2013 SOUL (Kia) with Keyed Ignition — ADS-147

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	Yes	No	**A**-Black Or SD

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder

2007-2012 SPECTRA / SPECTRA 5 (Kia) with Keyed Ignition — ADS-147

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle CAN 3	Yes	Yes	No	**A**-Black Or SD

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder

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2004-2006 SPECTRA / SPECTRA 5 (KIA) WITH KEYED IGNITION — ADS-147

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	Yes	No	**A**-Black Or SD

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder

2011-2015 SPORTAGE (KIA) WITH PROXIMITY START BUTTON IGNITION — ADS-196

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	Yes	No	**A**-Black Or SD

PIN Code required from Kia dealer or N.A.S.T.F.

2007-2013 SPORTAGE (KIA) WITH KEYED IGNITION — ADS-147

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle CAN 3	Yes	Yes	No	**A**-Black Or SD

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder

2006 SPORTAGE WITH KEYED IGNITION — ADS-118

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	Yes	No	**A**-Black Or SD

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder

2007-2008 TIBURON (HYUNDAI) WITH KEYED IGNITION — ADS-147

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle CAN 3	Yes	Yes	No	**A**-Black Or SD

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder

2003-2006 TIBURON (HYUNDAI) WITH KEYED IGNITION — ADS-147

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle Type 2	Yes	Yes	No	**A**-Black Or SD

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder

TUCSON (HYUNDAI) WITH PROXIMITY START BUTTON IGNITION — ADS-196

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle Veloster	Yes	Yes	No	A-Black Or SD

PIN Code required from Hyundai dealer or N.A.S.T.F.

TUCSON V4 (HYUNDAI) WITH KEYED IGNITION — ADS-147

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	Yes	No	A-Black Or SD

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder

TUCSON V6 (HYUNDAI) WITH KEYED IGNITION — ADS-147

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	Yes	No	A-Black Or SD

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder

2012-2016 VELOSTER (HYUNDAI) WITH PROXIMITY START BUTTON IGNITION — ADS-196

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle	Yes	Yes	No	A-Black Or SD

PIN Code required from Hyundai dealer or N.A.S.T.F.

2007-2012 VERACRUZ (HYUNDAI) WITH PROXIMITY TWIST IGNITION — ADS-147

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Hyundai PROX: 95440-3J600 Emergency Key: 81996-2B020	Select by Vehicle	Yes	Yes	No	A-Black Or SD

PIN Code required from Hyundai dealer or N.A.S.T.F. .

2007-2011 VERACRUZ (HYUNDAI) WITH KEYED IGNITION — ADS-147

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle Type 2	Yes	Yes	No	A-Black Or SD

PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder

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2006 VERACRUZ (HYUNDAI) WITH KEYED IGNITION				ADS-118	
OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle Type 1	Yes	Yes 2345	No	**A**-Black Or SD
PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, US Models are non-transponder					

2004-2005 XG350 (HYUNDAI) WITH KEYED IGNITION				ADS-118	
OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	Select by Vehicle Type 1	Yes	Yes 2345	No	**A**-Black Or SD
PIN Code required from Hyundai dealer or N.A.S.T.F. Canadian models only, **US Models are non-transponder**					

>>>>>WARNING<<<<< >>>>>WARNING<<<<< >>>>>WARNING<<<<<

Used Prox remotes for Hyundai & Kia , Prox keys that are not BRAND NEW (have been used on another car) cannot be re-used.
There are lots of so-called “unlocked” or “re-furbished” Prox fobs being sold on the internet.
Some can be good quality and almost like new but be very careful as you sometimes “get what you pay for”.

TOKEN WARNING: MVP will go all the way thru and use a token even if the Prox is not accepted.
Brand new keys from a reputable dealer program in 100% without issue.
Also, keep in mind, 2010 & 2011 models only accept 2 Prox max.
Some 2013 models may accept up to 3 Prox max.

PIN CODE CONVERTER FOR PRE-2007 MODELS

Use this method to USE THE PIN CONVERTER

START HERE:

Select:
+HYUNDAI
OR
+KIA
+PIN CODES
+6 DIGIT VIN TO PIN

PINCODE CONVERTER

PRESS ENTER KEY

ENTER VIN

_ _ _ _ _ _

Enter the last 6 numbers of the VIN of the car you are working on.

ENTER VIN

1 2 3 4 5 6

(JUST AN EXAMPLE)

IS CODE CORRECT
OK=ENTER CLEAR=BACK

VIN TO PINCODE

PLEASE WAIT
. . . .

VIN TO PINCODE

PLEASE WAIT

PIN: 777666
(JUST AN EXAMPLE)

PRESS ENTER KEY

>>>>>>USE CAREFULLY<<<<<<>>>>>>USE CAREFULLY<<<<<<

This Pin Code converter is only for vehicles made BEFORE 2007.
Vehicles after 2007 require a conversion performed from the whole 17 digit VIN.

Also, older models listed as Type 1 use a fixed pin of 2345

HYUNDAI EARLY BLADED & CAN BLADED KEY IGNITION SYSTEMS

SPECIAL FUNCTIONS

PROGRAM KEYS- Erases all currently programmed keys from memory.

Programs only keys used during the procedure.

KEY INFORMATION - Displays the number of Keys Programmed

NEUTRAL MODE - Not applicable to USA, do not use.

Limp home MODE - Not applicable to USA, do not use.

<<<<INITIAL COMMS MAY TAKE A FEW TRIES>>>>>

>>TURNING ON THE HAZARD LIGHTS MAY HELP<<

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-118 / ADS-147	ADC-250 / ADC- 251
MAX # OF KEYS:	**SMART DONGLE?**
	YES
KEYS:	**SECURITY:**
	PIN CODE REQUIRED TYPE1 uses fixed code of 2345, Later systems up to 2007 use conversion of last 6 digits of VIN, use conversion software, mid 07 and up use FULL VIN to convert, via Dealer or NASTF.
	COMPONENTS MATCHED?
	YES, Immo & BCM / PCM
	MATCHING CAPABILITY?
	NONE DEALER EQUIPMENT NEEDED TO MATCH COMPONENTS IF CHANGED

SECURITY LIGHT / THEFT INDICATOR:

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

TIPS:

Be patient with initial communcation, it can normally take a few tries to connect.
Turning on the hazard lights on the vehicle can help with this.



WATCH VIDEO - HOW TO AVOID LOCKING THE IMMO

MORE INFO:

EARLY BLADED KEY IGNITION

Use this method to PROGRAM KEYS

START HERE:

Select:
+HYUNDAI
OR
+KIA
+IMMOBILIZER
+BY VEHICLE
+MODEL (IE. +AZERA)
+YEAR (IE. +2006-2007)



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

HYUNDAI IMMO.

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
> SPECIAL FUNCTIONS

PRESS ENTER KEY

DIAGNOSTIC MENU

> PROGRAM KEYS
KEY INFORMATION
PROGRAM REMOTE

PROGRAM KEYS

WARNING ALL KEYS
WILL BE ERASED
CONTINUE?

OK=ENTER CLEAR=BACK

SECURITY CODE

_ _ _ _ _ _

Enter the Security Pincode

NOTE: TYPE 1 systems ask for a 4 digit pin, use 2345 in those cases.

SECURITY CODE

X X X X X X

IS CODE CORRECT
OK=ENTER CLEAR=BACK

ACCESS GAINED

PRESS ENTER KEY

PROGRAM KEYS

SWITCH IGNITION OFF
REMOVE KEY
INSERT NEXT KEY
SWITCH IGNITION ON

PRESS ENTER KEY

PROGRAM KEYS

KEY PROGRAMMED
PROGRAM NEXT KEY?

OK=ENTER CLEAR=BACK

If you are only programming one key, you can disconnect from the car and try your key, otherwise you can add more keys.

CAN BLADED KEY IGNITION

Use this method to PROGRAM KEYS

START HERE:

Select:
+HYUNDAI
OR
+KIA
+IMMOBILIZER
+BY VEHICLE
+MODEL
+YEAR

PICK THE MAKE AND YEAR YOU ARE WORKING ON

Be patient
It can take several tries to communicate initially. turning on the HAZARD lights can help.

DIAGNOSTIC MENU

> KEY PROGRAMMING
NEUTRAL MODE
LIMP HOME MODE

USE ONLY
"KEY PROGRAMMING"

DO NOT USE NEUTRAL MODE OR LIMP HOME, These functions are not for USA.




REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

The 6-Digit PIN is now required.
DEALER or NASTF

SECURITY CODE

_ _ _ _ _ _

1	2	3	4	5
6	7	8	9	0

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

HYUNDAI CAN

PRESS ENTER KEY

KEY PROGRAMMING

KEY PROGRAMMED

BACK' TO EXIT.
ENTER TO PROGRAM
NEXT KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
LIVE DATE
> SPECIAL FUNCTIONS

PRESS ENTER KEY

KEY PROGRAMMING

PROCEDURE COMPLETE

PRESS ENTER KEY

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REMOTES

Use this method to PROGRAM REMOTES

START HERE:

Select:
+HYUNDAI
OR
+KIA
+REMOTES
+BY VEHICL

+MODEL
+YEAR

PICK THE MAKE AND YEAR YOU ARE WORKING ON



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

ECU IDENTIFICATION
HYUNDAI KIA REMOTE
PRESS ENTER KEY

SWITCH IGNITION ON

PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
> SPECIAL FUNCTIONS
PRESS ENTER KEY

DIAGNOSTIC MENU
PROGRAM KEYS
KEY INFORMATION
> PROGRAM REMOTE

PROGRAM REMOTE

TURN OFF IGN AND REMOVE KEY

PRESS ENTER KEY

NOTE FOR KIA AMANTI:

2004 Models:
Do not turn off ignition, press Enter to continue.

2005 Models:
Remove the key, press Enter to continue.

PRESS LOCK BUTTON
PING SHOULD BE HEARD
PRESS BACK IF NOT

TRANS REGISTERED
PROGRAM NEXT REMOTE?

OK=ENTER CLEAR=BACK

PROGRAMMING FAILED
CHECK ANTENNA
AND TRANSPONDER

PRESS ENTER KEY

If the above message is displayed - disconnect your tester and remove any key that might be in the ignition.

Wait 25 seconds and then start over.

Hyundai *Remotes*

HYUNDAI	HYUNDAI REMOTES (Pick “KIA / REMOTES / BY VEHICLE” from menus on tool)				
MODEL	**FROM**	**TO**	**FCC ID**	**BUTTONS**	**PORT**
ACCENT	2002	2005	PINHACOEF311T	3	10PIN
ACCENT	2006	2011	PLNHM-T002	2	SPEC OBD
ACCENT	2012	2016	Check w/ dealer		OBD2
AZERA	2006	2010	SY55WY8212	4	OBD2
ELANTRA	2001	2003	OSLOKA-510T	2	10PIN
ELANTRA	2004	2006	OSLOKA-221T	3	10PIN
ELANTRA	2007	2010	OSLOKA-310T	3	OBD2
ELANTRA TOURING	2007	2008	PINHA-T008		OBD2
ENLANTRA	2011	2016	Check w/ dealer		OBD2
ENTOURAGE	2007	2008	SV3-100060233	3	OBD2
ENTOURAGE	2007	2008	SV3-100060233	5	OBD2
ENTOURAGE	2007	2008	SV3-100060233	6	OBD2
GENESIS	2009	2013	PINHA-T008	4	OBD2
SANTA FE	2001	2006	OSLOKA-221T	3	10PIN
SANTA FE	2007	2011	PINHA-T038	2	OBD2
SANTA FE	2012	2016	Check w/ dealer		OBD2
SONATA	2001	2005	PINHACOEF311T	3	10PIN
SONATA	2006	2009	OSLOKA-310T	3	OBD2
SONATA	2010	2012	OSLOKA-950T	3	OBD2
SONATA	2013	2016	Check w/ dealer		OBD2
TIBURON	2003	2005	LXP-RKE225	2	10PIN
TIBURON	2006	2008	LXP-RKE225	3	10PIN
TUCSON	2005	2009	OSLOKA 320T	2	OBD2
TUCSON	2010	2013	OSLOKA 320T		OBD2
TUCSON	-	2016	TQ8-RKE-4F25	4	OBD2
VERACRUZ	2007	2009	SY55WY8212	4	OBD2
XG300	2001	-	OSLOKA-220T	3	10PIN
XG300	2001	2005	OSLOKA-220T	3	10PIN



WATCH VIDEO-
14 SONATA REMOTE PROGRAMMING

Kia Remotes

KIA	KIA REMOTES (Pick "KIA / REMOTES / BY VEHICLE" from menus on tool)				
MODEL	FROM	TO	FCC#	BUTTONS	PORT
AMANTI	2004	2005	KR55WY8404	4	OBD2
AMANTI	2006	2008	OSLOKA-310T	4	OBD2
BORREGO	2009	2011	SV3-100060233	3	OBD2
BORREGO	2009	2011	SV3-100060233	5	OBD2
BORREGO	2009	2011	SV3-100060233	6	OBD2
FORTE	2010	2014	PINHA-T008	2	OBD2
FORTE	2015	2016	NYODD4TX1306-TFL	4 (FLIP KEY)	OBD2
OPTIMA	2001	2002	PLNBONTEC-T009	3	10PIN
OPTIMA	Mid2003	Mid2006	PLNBONTEC-T011	4	20PIN
OPTIMA	Mid2006	2014	OSLOKA-310T	3	OBD2
OPTIMA	2015	-			OBD2
OPTIMA	2016		Requires V12.96>		OBD2
RIO	2003	2005	NYOSEKS-09TX	2	20PIN
RIO	2006	2007	NYOSEKS-09TX	2	OBD2
RIO	2008	2009	PLNHM-T002	2	OBD2
RIO	2010	2013	PLNHM-T002	2	OBD2
RHONDO	2007	2013	PLNHM-T011	3	OBD2
RHONDO	2014	-	PLNHM-T011	3	OBD2
SEDONA	2002	-	PLNBONTEC-T003	2	20PIN
SEDONA	2003	2005	PLNBONTEC-T009	3	20PIN
SEDONA	2006	2012	SV3-100060233	3	OBD2
SEDONA	2006	2012	SV3-100060233	5	OBD2
SEDONA	2006	2012	SV3-100060233	6	OBD2
SEDONA	2016		NYODD4TX1306-TFL	4 (FLIP KEY)	OBD2
SORENTO	2003	-	PLNBONTEC-T009	3	20PIN
SORENTO	2004	2006	PLNBONTEC-T016	4	20PIN
SORENTO	2007	2009	PLNHM-T011	3	OBD2
SORENTO	2010	2011	PINHA-T036	2	OBD2
SORENTO	2012	2014	Check w/ dealer	2	OBD2
SORENTO	2015	2016	NYODD4TX1306-TFL	4 (FLIP KEY)	OBD2
SPECTRA	2004	2006	OSLOKA-630T	4	20PIN
SPECTRA	2007	2009	OSLOKA-674T	3	OBD2
SPECTRA 5	2005	2006	OSLOKA-620T	3	20PIN
SPECTRA 5	2007	2009	OSLOKA-672T	2	OBD2
SPORTAGE	2005	2006	NYOSEKS-07TX	2	OBD2
SPORTAGE	2007	2011	NYOSEKS-09TX	2	OBD2
SOUL	2010	-	NYOSEKS-AM08TX	2	OBD2
SOUL	2011	2013	NYOSEKS-AM11ATX	3	OBD2
SOUL	2014	2016	NYODD4TX1306-TFL	4 (FLIP KEY)	OBD2

PROX
MODELS WITH A PROGRAMMING SLOT



SPECIAL FUNCTIONS

KEEP IN MIND THIS SYSTEM WILL ONLY ACCEPT 2 PROX MAX.

PROGRAM PROX - Erases all currently programmed keys from memory.

Programs only keys used during the procedure.

You do not need to turn the ignition ON to communicate and start the programming. Simply insert the PROX in the igntion and communicate with the Immobilizer in the OFF postion. Follow the screen prompts which are pretty simple.

<<<<INITIAL COMMS MAY TAKE A FEW TRIES>>>>>

>>TURNING ON THE HAZARD LIGHTS MAY HELP<<

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-	ADC-250 / ADC- 251
MAX # OF KEYS:	**SMART DONGLE?**
2	YES
KEYS:	**SECURITY:**
New Keys must be virgin.	PIN CODE REQUIRED (See notes in MORE INFO below)
	COMPONENTS MATCHED?
	YES, Immo & BCM / PCM
	MATCHING CAPABILITY?
	NONE DEALER EQUIPMENT NEEDED TO MATCH COMPONENTS IF CHANGED

SECURITY LIGHT / THEFT INDICATOR:

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

TIPS:

Be patient with initial communcation, it can normally take a few tries to connect.
Turning on the hazard lights on the vehicle can help with this.

WATCH VIDEOS-



2013 KIA OPTIMA



2011 HYUNDAI SONATA

MORE INFO:

REQUIRES PIN CODE CONVERTED FROM FULL VIN BY NASTF OR DEALER
Be mindful not to try the new pin 3 times in a row because just like in baseball 3 strikes and your out!
In other words the immo will lock after 3 attempts with the wrong pin.
If Immo becomes locked solution is to leave the car alone for 1 hour.



WATCH VIDEO - HOW TO AVOID LOCKING THE IMMO

PROX
MODELS WITH A PROGRAMMING SLOT

Use this method to PROGRAM PROX

START HERE:
Select:
+HYUNDAI
OR
+KIA
+PROXIMITY
+BY VEHICLE
+MODEL
+YEAR

PICK THE EXACT YEAR AND MODEL YOU ARE WORKING ON.



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

Make sure you have ready and program ALL the prox you want to work in one session.

IMPORTANT NOTE:

MOST HYUNDAI KIA PROX SYSTEMS ONLY ACCEPT 2 PROX MAX.
SOME 2013> models may accept up to 3 Max.

LEAVE IGNITION OFF

PRESS ENTER KEY

Be patient
It can take several tries to communicate initially.
turning on the HAZARD lights can help.

ECU IDENTIFICATION

HYUNDAI KIA PROX

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
LIVE DATE
> SPECIAL FUNCTIONS

PRESS ENTER KEY

DIAGNOSTIC MENU

> PROX PROGRAMMING
NEUTRAL MODE
PROX PROGRAMMED

DO NOT USE “Neutral Mode” it is for matching changed parts.

CLEAR PROX

WARNING ALL PROX WILL BE CLEARED
CONTINUE

X ✔

PROX PROGRAMMING

PLACE PROX IN SLOT

PRESS ENTER KEY

>>>>>>>>CONTINUED ON NEXT PAGE>>>>>

PROX
MODELS WITH A PROGRAMMING SLOT

Use this method to PROGRAM PROX - Cont'd

YOU MUST HAVE A PROX IN THE SLOT HERE OR PROCEDURE WILL FAIL - SEE SLOT LOCATIONS ON NEXT PAGES.

6-Digit PIN is required.
DEALER or NASTF

IT MAY TAKE A FEW MOMENTS FOR THE SYSTEM TO ADJUST ITSELF AND FOR THE PROX TO START WORKING IMMEDIATELY AFTER PROGRAMMING

SECURITY CODE

_ _ _ _ _ _

1	2	3	4	5
6	7	8	9	0

PROX PROGRAMMING

KEY PROGRAMMED

BACK' TO EXIT.
ENTER TO PROGRAM
NEXT KEY

TROUBLESHOOTING

1. If incorrect pin code is entered 3 times immo will "LOCK".
To unlock:

Prox models leave car alone with good battery charge for 1 hr then use correct pin code.

2. If "incorrect access code is displayed after entering pin code, immo is either "locked" or pin is incorrect.

3. Used keys (taken from another car) cannot be programmed. Procedure will go all the way thru and if using MVP will use a token. The used prox will not program and any prox in system will not be erased. Use only brand new factory keys from a trusted source!

IF YOU ARE PROGRAMMING MORE THAN 1 PROX
REMOVE THE 1ST PROX FROM THE SLOT AND PLACE THE 2ND PROX IN THE SLOT BEFORE PROCEEDING.

PROX PROGRAMMING

PROCEDURE COMPLETE

PRESS ENTER KEY

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PROX
MODELS WITH A PROGRAMMING SLOT

PROX SLOT LOCATIONS

Kia Forte, Sportage, and Sorento and Hyundai Sonata (prior to 2014) Located inside center console.



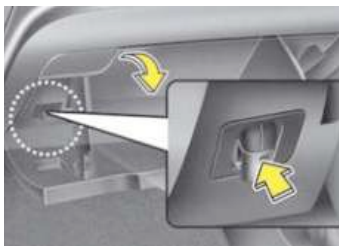
Kia Magentis also uses a slot in the center console



Hyundai Genesis, built before 2014 the slot is located behind a door above the shifter.



Kia Optima (prior to 2014) and Soul and Hyundai Equus, the slot is located in the glove box.
The slot is a little higher in the Equus



Kia Borrego, the slot is located in the dash just below the Start /Stop ignition button.



Kia Rio, Sorento (lacking a slot in the console), Cadenza and Optima (2014 and on) and Hyundai Elantra, Veloster, Azera, Sonata (after 2014) and Genesis (after 2014) do not use a slot.

PROX
NO SLOT





SPECIAL FUNCTIONS

KEEP IN MIND THIS SYSTEM MAY ONLY ACCEPT 2 PROX MAX.

PROGRAM PROX - Erases all currently programmed keys from memory.

Programs only keys used during the procedure.

You do not need to turn the ignition ON to communicate and start the programming. Communicate with the Immobilizer in the OFF postion. Follow the screen prompts which are pretty simple.

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-	ADC-250 / ADC- 251
MAX # OF KEYS:	**SMART DONGLE?**
2	YES
KEYS:	**SECURITY:**
New Keys must be virgin.	PIN CODE REQUIRED (See notes in MORE INFO below)
	COMPONENTS MATCHED?
	YES, Immo & BCM / PCM
	MATCHING CAPABILITY?
	NONE DEALER EQUIPMENT NEEDED TO MATCH COMPONENTS IF CHANGED

SECURITY LIGHT / THEFT INDICATOR:

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

TIPS:

<<<<INITIAL COMMS MAY TAKE A FEW TRIES>>>>>

>>TURNING ON THE HAZARD LIGHTS MAY HELP<<

WATCH VIDEO -
PROGRAM PROX KEY ON
2014 HYUNDAI ELANTRA



MORE INFO:

REQUIRES PIN CODE CONVERTED FROM FULL VIN BY NASTF OR DEALER
Be mindful not to try the new pin 3 times in a row because just like in baseball 3 strikes and your out!
In other words the immo will lock after 3 attempts with the wrong pin.
If Immo becomes locked solution is to leave the car alone for 1 hour.



WATCH VIDEO - HOW TO AVOID LOCKING THE IMMO

PROX
NO SLOT

Use this method to PROGRAM PROX KEYS

START HERE:

Select:
+HYUNDAI
OR
+KIA
+IMMOBILIZER
+BY VEHICLE
+MODEL (IE. ACCENT)
+YEAR (IE. ->2011)

MAKE SURE YOU HAVE ALL THE PROX YOU WANT TO PROGRAM READY



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

Leave Pushbutton ***OFF***.
It may take several attempts to Communicate. Turning the hazard lights on usually helps to gain communication in the beginning.

ECU IDENTIFICATION

HYUNDAI / KIA PROXIMITY

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
> SPECIAL FUNCTIONS

PRESS ENTER KEY

DIAGNOSTIC MENU

KEYS PROGRAMMED
> CLEAR/ PROGRAM PROX.

There is NO Learning Slot on these models.

CLEAR PROX

WARNING ALL PROX WILL BE CLEARED
CONTINUE

X ✔

CLEAR/ PROGRAM PROX

SWITCH IGNITION OFF
PLEASE HAVE THE REMOTE READY TO PROGRAM

The Pushbutton should still be ***OFF.***

The 6-Digit PIN is required. (DEALER or NASTF)

SECURITY CODE

_ _ _ _ _ _

1	2	3	4	5
6	7	8	9	0

PROX
NO SLOT

Use this method to PROGRAM PROX KEYS - CONT'D

KEY PROGRAMMING

AFTER PRESSING ENTER
PRESS START / STOP BUTTON
WITH REMOTE WITHIN
5 SECONDS.

PRESS ENTER KEY



THERE IS NO PROGRAMMING SLOT
Hold the tip of the PROX remote up to the START/ STOP button (as shown).

Use the tip of the PROX remote to push and release the START / STOP Button once to register the prox.

KEY PROGRAMMING

BACK TO EXIT
ENTER TO PROGRAM NEXT KEY

PRESS ENTER KEY

Press ENTER on the PRO to program another prox. (if desired)
You will again be prompted to hold the next prox up to the START / STOP button.

Press back to EXIT.

KEY PROGRAMMING

PROCEDURE COMPLETE

PRESS ENTER KEY

DIAGNOSTIC MENU

> KEYS PROGRAMMED
CLEAR/ PROGRAM PROX.

Always check "KEYS PROGRAMMED" to verify how many PROX are programmed.

TROUBLESHOOTING
1. If incorrect pin code is entered 3 times immo will "LOCK".
To unlock:

Prox models leave car alone with good battery charge for 1 hr then use correct pin code.

2. If "incorrect access code is displayed after entering pin code, immo is either "locked" or pin is incorrect.

3. Used keys (taken from another car) cannot be programmed.
Procedure will go all the way thru and if using MVP will use a token.
The used prox will not program and any prox in system will not be erased.
Use only brand new factory keys from a trusted source!

VERACRUZ PROX SYSTEM





SPECIAL FUNCTIONS

KEEP IN MIND THIS SYSTEM WILL ONLY ACCEPT 2 PROX MAX.

PROGRAM KEYS - Erases all currently programmed keys from memory.

Programs only keys used during the procedure.

You do not need to turn the ignition ON to communicate and start the programming. Simply insert the PROX in the igntion and communicate with the Immobilizer in the OFF postion. Follow the screen prompts which are pretty simple so we are not showing a walk thru here.

<<<<INITIAL COMMS MAY TAKE A FEW TRIES>>>>>

>>TURNING ON THE HAZARD LIGHTS MAY HELP<<

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-	ADC-250 / ADC- 251
MAX # OF KEYS:	**SMART DONGLE?**
2	YES
KEYS:	**SECURITY:**
New Keys must be virgin.	PIN CODE REQUIRED (See notes in MORE INFO below)
	COMPONENTS MATCHED?
	YES
	MATCHING CAPABILITY?
	NONE DEALER EQUIPMENT NEEDED TO MATCH COMPONENTS IF CHANGED

SECURITY LIGHT / THEFT INDICATOR:

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

TIPS:

Be patient with initial communcation, it can normally take a few tries to connect.
Turning on the hazard lights on the vehicle can help with this.



WATCH VIDEO - VERACRUZ INFO

MORE INFO:

Most 2009> Veracruz vehicles use the OLD pin code pin, which means you can probably use the calculator software using the last 6 digits of the VIN.

Try the new pin first and if you receive an “access denied” message
try the Old pincode.

Be mindful not to try the new pin 3 times in a row because just like in baseball 3 strikes and your out!
In other words the
immo will lock after 3 attempts with the wrong pin.
If Immo becomes locked solution is to leave the car alone for 1 hour.

INFINITI & NISSAN SECTION





T-CODE SOFTWARE PACKS:

Nissan USA Basic (ADS-112)

Nissan CAN & Prox (ADS-159)

Nissan & Infiniti 20-Digit (ADS-197)

Nissan 20 Digit Pin Code Bypass (ADS-198SD)

(ADS-198SD is only available for Smart Dongle)

(Software names generally refer to the date of release on the T-CODE not the years of vehicles covered).

CAN stands for Controller Area Network, not Canada



MID 2007-2009 350Z (NISSAN) — ADS-159

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
N104PT	USE BETA N. AMERICA BY VEHICLE	Yes *Not required if using SMART DONGLE	Yes	Use BCM Conversion	G-Tan Or SD

Note: 2007 was a split year. Some 2007 models are TYPE 4 and some are TYPE 9 CAN.

2003- MID 2007 350Z (NISSAN) — ADS-112

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
N104PT	USE BETA N. AMERICA BY VEHICLE	Yes *Not required if using SMART DONGLE	Yes	Use BCM Conversion	A-Black Or SD

Note: 2007 was a split year. Some 2007 models are TYPE 4 and some are TYPE 9 CAN.

2009-2016 370Z (NISSAN) WITH PROXIMITY START BUTTON IGNITION — ADS-159

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Remote & Key Required	USE BETA N. AMERICA BY VEHICLE	Yes *Not required if using SMART DONGLE	Yes	Use BCM Conversion	G-Tan Or SD

Note: 2009+ models use the newer BCM conversion. Convert using ADC-198 dongle or ADS-198SD.

2013-2016 ALTIMA 4-DOOR (NISSAN) WITH PROXIMITY START BUTTON IGNITION — ADS-197

OEM	SYSTEM	SMART Card	PIN Required	PRO Dongle
Dealer Proximity Remote & Key Required 2016 models use a new part number!	USE BETA N. AMERICA BY VEHICLE TYPE13	Yes *Not required if using SMART DONGLE	20-Digit Rolling Code BYPASS 20 DIGIT NISSAN WITH SMART DONGLE & BYPASS SOFTWARE (PART NO. ADC-198SD)	G-Tan Or SD

20 DIGIT DEALER PIN CODE available thru N.A.S.T.F. OR USE BYPASS NOW AVAILABLE

2013-2014 ALTIMA 2-DOOR (NISSAN) WITH PROXIMITY START BUTTON IGNITION — ADS-159

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Remote & Key Required	USE BETA N. AMERICA BY VEHICLE	Yes *Not required if using SMART DONGLE	Yes	Use BCM Conversion	G-Tan Or SD

2-Door models of 2013-2014 Altima still use the older system.
If the vehicle has a programming port it uses the 2007-2012 BCM System.

2007-2012 ALTIMA (NISSAN) WITH PROXIMITY START BUTTON IGNITION — ADS-159

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Remote & Key Required	USE BETA N. AMERICA BY VEHICLE	Yes *Not required if using SMART DONGLE	Yes	Use BCM Conversion	G-Tan Or SD

2005-2006 ALTIMA (NISSAN) — ADS-112

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
N104PT	USE BETA N. AMERICA BY VEHICLE	Yes	Yes	Use BCM Conversion	A-Black Or SD

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2001-2004 ALTIMA (Nissan) — ADS-112

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
 N102PT	USE BETA N. AMERICA BY VEHICLE	Yes	PIN: 5523	Not Needed	**A**-Black Or SD

2000 ALTIMA (Nissan) — ADS-112

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
 N102PT	USE BETA N. AMERICA BY VEHICLE	No	No	Not Needed	**F** White

2007-2011 ALTIMA HYBRID (Nissan) with Proximity START Button Ignition — ADS-169

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Remote & Key Required	USE BETA N. AMERICA BY VEHICLE	Yes	**Yes**	Use BCM Conversion	**G**-Tan Or SD*

2017 ARMADA (Nissan) with Proximity (No Prog Slot) — ADS-159

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Remote & Key Required	USE BETA N. AMERICA BY VEHICLE	Yes	**Yes**	Use BCM Conversion	**G-Tan Or SD**

Verify correct part number of Prox with dealer by VIN or match existing working prox if one is available.

2008-2016 ARMADA (Nissan) with Proximity TWIST Ignition — ADS-159

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Remote & Key Required	USE BETA N. AMERICA BY VEHICLE	Yes	**Yes**	Use BCM Conversion	**G**-Tan Or SD

Note: 2009+ models use the newer BCM conversion. Convert using ADC-198 dongle or ADS-198SD.

2008-2016 ARMADA (Nissan) with KEY Ignition — ADS-159

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
N104PT	USE BETA N. AMERICA BY VEHICLE	Yes	**Yes**	Use BCM Conversion	**G**-Tan Or SD

Note: 2009+ models use the newer BCM conversion. Convert using ADC-198 dongle or ADS-198SD.

2004-2007 ARMADA (Nissan) — ADS-112

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
N104PT	USE BETA N. AMERICA BY VEHICLE	Yes	**Yes**	Use BCM Conversion	**A**-Black Or SD

2009-2015 CUBE (Nissan) with Proximity START Button Ignition (No Prog Slot) — ADS-159

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Remote & Key Required	USE BETA N. AMERICA BY VEHICLE	Yes	Yes	Use BCM Conversion	**G**-Tan Or SD

2009-2015 CUBE (Nissan) with KEY Ignition — ADS-159

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
N104PT	USE BETA N. AMERICA BY VEHICLE	Yes	Yes	Use BCM Conversion	**G**-Tan Or SD

Note: 2009+ models use the newer BCM conversion. Convert using ADC-198 dongle or ADS-198SD.

2008-2012 EX35 (Infiniti) with Proximity START Button Ignition — ADS-159

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Remote & Key Required	USE BETA N. AMERICA BY VEHICLE	Yes	Yes	Use BCM Conversion	**G**-Tan Or SD

Note: 2009+ models use the newer BCM conversion. Convert using ADC-198 dongle or ADS-198SD.

2013 EX37 (Infiniti) with Proximity START Button Ignition — ADS-159

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Remote & Key Required	USE BETA N. AMERICA BY VEHICLE	Yes	Yes	Use BCM Conversion	**G**-Tan Or SD

Note: 2009+ models use the newer BCM conversion. Convert using ADC-198 dongle or ADS-198SD.

2005-2015 FRONTIER (Nissan) — ADS-159

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
N104PT	USE BETA N. AMERICA BY VEHICLE	Yes	Yes	Use BCM Conversion	**A** / **G**

Note: LATER MODELS USE G DONGLE. Transponder is *optional*. Most do not have it.

2002-2004 FRONTIER (Nissan) — ADS-112

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
 N102PT	USE BETA N. AMERICA BY VEHICLE	Yes	Yes	PIN: 5523	**A**-Black Or SD

Note: Transponder is *optional*. Most do not have it.

2009-2013 FX35 / FX37 / FX50 (Infiniti) with Proximity START Button Ignition — ADS-159

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Remote & Key Required	USE BETA N. AMERICA BY VEHICLE	Yes	Yes	Use BCM Conversion	G-Tan Or SD

2003-2008 FX35 / FX45 (Infiniti) with Proximity TWIST Ignition — ADS-159

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Remote & Key Required	USE BETA N. AMERICA BY VEHICLE	Yes	Yes	Use BCM Conversion	G-Tan Or SD

2008 FX35 / FX45 (Infiniti) with KEY Ignition — ADS-159

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
N104PT	USE BETA N. AMERICA BY VEHICLE	Yes	Yes	Use BCM Conversion	G-Tan Or SD

2003-2007 FX35 / FX45 (Infiniti) with KEY Ignition — ADS-112

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
N104PT	USE BETA N. AMERICA BY VEHICLE	Yes	Yes	Use BCM Conversion	A-Black Or SD

2000-2002 G20 (Infiniti) — ADS-112

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
 N102PT	USE BETA N. AMERICA BY VEHICLE	Yes	PIN: 5523	Not Needed	A-Black Or SD

2011-2012 G25 (Infiniti) — ADS-159

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Remote & Key Required	USE BETA N. AMERICA BY VEHICLE	Yes	Yes	Use BCM Conversion	G-Tan Or SD

2009+ models use the newer BCM conversion. Convert using ADC-198 dongle or ADS-198SD.

2005-2007 G35 2-Door (Infiniti) with Proximity TWIST Ignition — ADS-159

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Remote & Key Required	USE BETA N. AMERICA BY VEHICLE	Yes	Yes	Use BCM Conversion	G-Tan Or SD

2003-2007 G35 2-Door (Infiniti) with KEY Ignition — ADS-112

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
N104PT	USE BETA N. AMERICA BY VEHICLE	Yes	Yes	Use BCM Conversion	**A**-Black Or SD

2007-2008 G35 4-Door (Infiniti) with Proximity START Button Ignition — ADS-159

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Remote & Key Required	USE BETA N. AMERICA BY VEHICLE	Yes	Yes	Use BCM Conversion	**G**-Tan Or SD

2005-2006 G35 4-Door (Infiniti) with Proximity TWIST Ignition — ADS-159

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Remote & Key Required	USE BETA N. AMERICA BY VEHICLE	Yes	Yes	Use BCM Conversion	**G**-Tan Or SD

2003-2006 G35 4-Door (Infiniti) with KEY Ignition — ADS-112

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
N104PT	USE BETA N. AMERICA BY VEHICLE	Yes	Yes	Use BCM Conversion	**A**-Black Or SD

2008-2014 G37 (Infiniti) with Proximity START Button Ignition — ADS-159

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Remote & Key Required	USE BETA N. AMERICA BY VEHICLE	Yes	Yes	Use BCM Conversion	**G**-Tan Or SD

2009+ models use the newer BCM conversion. Convert using ADC-198 dongle or ADS-198SD.

2007-2014 GTR (Nissan) with Proximity START Button Ignition — ADS-159

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Remote & Key Required	USE BETA N. AMERICA BY VEHICLE	Yes	Yes	Use BCM Conversion	**G**-Tan Or SD

2009+ models use the newer BCM conversion. Convert using ADC-198 dongle or ADS-198SD.

2000-2004 I30 / I35 (Infiniti) — ADS-112

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
 N102PT	USE BETA N. AMERICA BY VEHICLE	Yes	PIN: 5523	Not Needed	**A**-Black Or SD

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1999 I30 (INFINITI) — ADS-112

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
NSN11T2	USE BETA N. AMERICA BY VEHICLE	No	No	Not Needed	**B** Red

Use ADC-136 old style Nissan cable. Key programming must be done wih the OLD style port..

2011-2015 JUKE (NISSAN) WITH PROXIMITY START BUTTON IGNITION (NO PROG SLOT) — ADS-159

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
285E3-1KM0D or 285E3-1KM0A FCC# CWTWB1U808	USE BETA N. AMERICA BY VEHICLE	Yes	**Yes**	Use BCM Conversion	**G**-Tan Or SD

2011-2015 JUKE (NISSAN) WITH KEY IGNITION — ADS-159

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
N104PT	USE BETA N. AMERICA BY VEHICLE	Yes	**Yes**	Use BCM Conversion	**G**-Tan Or SD

Note: 2009+ models use the newer BCM conversion. Convert using ADC-198 dongle or ADS-198SD.

2013-2015 JX35 (INFINITI) WITH PROXIMITY START BUTTON IGNITION — ADS-197

OEM	SYSTEM	SMART Card	PIN Required	PRO Dongle
Dealer Proximity Remote & Key Required	USE BETA N. AMERICA BY VEHICLE TYPE13	Yes *Not required if using SMART DONGLE	20-Digit Rolling Code BYPASS 20 DIGIT NISSAN WITH SMART DONGLE & BYPASS SOFTWARE (PART NO. ADC-198SD)	**G**-Tan Or SD

20 DIGIT DEALER PIN CODE available thru N.A.S.T.F. OR USE BYPASS NOW AVAILABLE

2011-2016 LEAF (NISSAN) WITH PROXIMITY START BUTTON IGNITION — ADS-159

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
285E3-1KM0D or 285E3-1KM0A FCC# CWTWB1U808	USE BETA N. AMERICA BY VEHICLE	Yes	**Yes**	Use BCM Conversion	**G**-Tan Or SD

2012 M35H (INFINITI) WITH PROXIMITY START BUTTON IGNITION — ADS-159

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Remote & Key Required	USE BETA N. AMERICA BY VEHICLE	Yes	**Yes**	Use BCM Conversion	**G**-Tan Or SD

2009-2010 M35 / M45 (INFINITI) WITH PROXIMITY START BUTTON IGNITION — ADS-159

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Remote & Key Required	USE BETA N. AMERICA BY VEHICLE	Yes	**Yes**	Use BCM Conversion	**G**-Tan Or SD

2006-2008 M35 / M45 (Infiniti) with Proximity START Button Ignition — ADS-169

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Remote & Key Required	USE BETA N. AMERICA BY VEHICLE	Yes	Yes	Use BCM Conversion	**A**-Black Or SD

2003-2004 M45 (Infiniti) with REMOTE KEY Insert Ignition — ADS-112

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Remote Key Req. Part# H0561-AR200	USE BETA N. AMERICA BY VEHICLE	Yes	2003 = 5523 2004 = Random	2004 Use BCM Conversion	**A**-Black Or SD

2011-2013 M37 / M56 (Infiniti) with Proximity START Button Ignition — ADS-159

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM = 285E3-1MP0D FCC# CWTWB1U787	USE BETA N. AMERICA BY VEHICLE	Yes	Yes	Use BCM Conversion	**G**-Tan Or SD

2016-2017 MAXIMA (Nissan) with Proximity START Button Ignition — ADS-197

OEM	SYSTEM	SMART Card	PIN Required	PRO Dongle
Dealer Proximity Remote & Key Required New prox part number for 2016!	USE BETA N. AMERICA BY VEHICLE TYPE13	Yes *Not required if using SMART DONGLE	20-Digit Rolling Code BYPASS 20 DIGIT NISSAN WITH SMART DONGLE & BYPASS SOFTWARE (PART NO. ADC-198SD)	**G**-Tan Or SD

20 DIGIT DEALER PIN CODE available thru N.A.S.T.F. OR USE BYPASS NOW AVAILABLE

2009-2015 MAXIMA (Nissan) with Proximity START Button Ignition — ADS-159

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
285E3-JA000 285E3-JA02A FCC# KR55WK48903	USE BETA N. AMERICA BY VEHICLE	Yes	Yes	Use BCM Conversion	**G**-Tan Or SD

2009+ models use the newer BCM conversion. Convert using ADC-198 dongle or ADS-198SD.

2007-2008 MAXIMA (Nissan) with Proximity TWIST Ignition — ADS-159

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
285E3-EW81D FCC# CWTWBU735	USE BETA N. AMERICA BY VEHICLE	Yes	Yes	Use BCM Conversion	**G**-Tan Or SD

Note: Early Production 2007 models may use TYPE 4 for the E-KEY programming.

2004-2006 MAXIMA (Nissan) — ADS-112

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
N104PT	USE BETA N. AMERICA BY VEHICLE	Yes	Yes	Use BCM Conversion	**A**-Black Or SD

2000-2003 MAXIMA (Nissan) — ADS-112

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
 N102PT	USE BETA N. AMERICA BY VEHICLE	Yes	PIN: 5523	Not Needed	**A**-Black Or SD

1999 MAXIMA (Nissan) — ADS-112

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
NSN11T2	USE BETA N. AMERICA BY VEHICLE	Yes	No	Not Needed	**B** Red

Use ADC-136 old style Nissan cable. Key programming must be done wih the OLD style port..

2015-2016 MURANO (Nissan) with Proximity START Button Ignition — ADS-197

OEM	SYSTEM	SMART Card	PIN Required	PRO Dongle
Dealer Proximity Remote & Key Required	USE BETA N. AMERICA BY VEHICLE TYPE13	Yes *Not required if using SMART DONGLE	20-Digit Rolling Code BYPASS 20 DIGIT NISSAN WITH SMART DONGLE & BYPASS SOFTWARE (PART NO. ADC-198SD)	**G**-Tan Or SD

20 DIGIT DEALER PIN CODE available thru N.A.S.T.F. OR USE BYPASS NOW AVAILABLE

2009-2014 MURANO (Nissan) with Proximity START Button Ignition — ADS-159

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Remote & Key Required	USE BETA N. AMERICA BY VEHICLE	Yes	**Yes**	Use BCM Conversion	**G-Tan Or SD**

Note: All 2009-2014 Murano models have Push Button Ignition. But models with NO Power Liftgate & NO Prox Buttons on the Door Handles do not have real proximity and require the remote fob to be inserted into the slot on the dash to start the vehicle.
Most 2009 models still use the “older” 2004-2008 PIN code conversion.

2005-2008 MURANO (Nissan) with Proximity TWIST Ignition — ADS-159

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM = 285E3-CB80D FCC# KBRTN001	USE BETA N. AMERICA BY VEHICLE	Yes	**Yes**	Use BCM Conversion	**G-Tan Or SD**

2003-2008 MURANO (Nissan) with KEY Ignition — ADS-112

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
N104PT	USE BETA N. AMERICA BY VEHICLE	Yes	**Yes**	Use BCM Conversion	**A**-Black Or SD

2012-2016 NV VAN (Nissan) — ADS-159

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
N104PT	USE BETA N. AMERICA BY VEHICLE	Yes	Yes	Use BCM Conversion	G-Tan Or SD

Note: Transponder System was optional.

2013-2016 PATHFINDER (Nissan) with Proximity START Button Ignition — ADS-197

OEM	SYSTEM	SMART Card	PIN Required	PRO Dongle
Dealer Proximity Remote & Key Required	USE BETA N. AMERICA BY VEHICLE TYPE13	Yes *Not required if using SMART DONGLE	20-Digit Rolling Code BYPASS 20 DIGIT NISSAN WITH SMART DONGLE & BYPASS SOFTWARE (PART NO. ADC-198SD)	G-Tan Or SD

20 DIGIT DEALER PIN CODE available thru N.A.S.T.F. OR USE BYPASS NOW AVAILABLE

2008-2012 PATHFINDER (Nissan) with Proximity TWIST Ignition — ADS-159

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
285E3-EM30D FCC# CWTWBU729	USE BETA N. AMERICA BY VEHICLE	Yes	Yes	Use BCM Conversion	G-Tan Or SD

2008-2012 PATHFINDER (Nissan) with KEY Ignition — ADS-159

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
N104PT	USE BETA N. AMERICA BY VEHICLE	Yes	Yes	Use BCM Conversion	G-Tan Or SD

2005-2007 PATHFINDER (Nissan) — ADS- 112

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
N104PT	USE BETA N. AMERICA BY VEHICLE	Yes	Yes	Use BCM Conversion	A-Black Or SD

2001-2004 PATHFINDER (Nissan) — ADS- 112

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
N102PT	USE BETA N. AMERICA BY VEHICLE	Yes	PIN: 5523	Not Needed	A-Black Or SD

1999-2000 PATHFINDER (Nissan) — ADS-112

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
 N102PT	USE BETA N. AMERICA BY VEHICLE	No	No	Not Needed	B Red

Use ADC-136 old style Nissan cable. Key programming must be done wih the OLD style port..

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2015 Q40 (Infiniti) with Proximity START Button Ignition — ADS-159

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Remote & Key Required	USE BETA N. AMERICA BY VEHICLE	Yes	**Yes**	Use BCM Conversion	**G**-Tan Or SD

2002-2006 Q45 (Infiniti) with REMOTE KEY Insert Ignition — ADS-112

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Remote Key Req. Part# H0561-AR200	USE BETA N. AMERICA BY VEHICLE	Yes	'02 = 5523 '03-04 = Random	2004 Use BCM Conversion	**A**-Black Or SD

2000-2001 Q45 (Infiniti) — ADS-112

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
INF45-PT	USE BETA N. AMERICA BY VEHICLE	Yes	No	Not Needed	**F** White

1997-1999 Q45 (Infiniti) — ADS-112

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
INF45-PT	1997 -Type 2 - - - - - - - 98-99 -Type 3	Yes	No	Not Needed	**B** Red

Use ADC-136 old style Nissan cable. Key programming must be done wih the OLD style port..

2014-2016 Q50 / QX50 (Infiniti) with Proximity START Button Ignition — ADS-197

OEM	SYSTEM	SMART Card	PIN Required	PRO Dongle
Dealer Proximity Remote & Key Required	USE BETA N. AMERICA BY VEHICLE TYPE13	Yes *Not required if using SMART DONGLE	20-Digit Rolling Code BYPASS 20 DIGIT NISSAN WITH SMART DONGLE & BYPASS SOFTWARE (PART NO. ADC-198SD)	**G**-Tan Or SD

20 DIGIT DEALER PIN CODE available thru N.A.S.T.F. OR USE BYPASS NOW AVAILABLE

2011-2016 QUEST (Nissan) with Proximity START Button Ignition (No Prog Slot) — ADS-159

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Remote & Key Required	USE BETA N. AMERICA BY VEHICLE	Yes	**Yes**	Use BCM Conversion	**G**-Tan Or SD

2008-2010 QUEST (Nissan) — ADS-159

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
N104PT	USE BETA N. AMERICA BY VEHICLE	Yes	**Yes**	Use BCM Conversion	**G**-Tan Or SD

Note: 2009+ models use the newer BCM conversion. Convert using ADC-198 dongle or ADS-198SD.

2004-2007 QUEST (Nissan) — ADS-112

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
N104PT	USE BETA N. AMERICA BY VEHICLE	Yes	Yes	Use BCM Conversion	A-Black Or SD

2001-2003 QX4 (Infiniti) — ADS-112

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
 N102PT	USE BETA N. AMERICA BY VEHICLE	Yes	PIN: 5523	Not Needed	A-Black Or SD

1999-2000 QX4 (Infiniti) — ADS-112

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
 N102PT	USE BETA N. AMERICA BY VEHICLE	Yes	No	Not Needed	B Red

Use ADC-136 old style Nissan cable. Key programming must be done wih the OLD style port..

2011-2013 QX56 (Infiniti) with Proximity START Button Ignition (No Prog Slot) — ADS-159

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
285E3-1LL0D FCC# KR5S180144014	USE BETA N. AMERICA BY VEHICLE	Yes	Yes	Use BCM Conversion	G-Tan Or SD

2008-2010 QX56 (Infiniti) with Proximity TWIST Ignition — ADS-159

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
285E3-ZQ30B FCC# CWTWBU624	USE BETA N. AMERICA BY VEHICLE	Yes	Yes	Use BCM Conversion	G-Tan Or SD

2009+ models use the newer BCM conversion. Convert using ADC-198 dongle or ADS-198SD.

2004-2007 QX56 (Infiniti) — ADS-112

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
N104PT	USE BETA N. AMERICA BY VEHICLE	Yes	Yes	Use BCM Conversion	A-Black Or SD

2014-2016 QX60 (Infiniti) with Proximity START Button Ignition — ADS-197

OEM	SYSTEM	SMART Card	PIN Required	PRO Dongle
Dealer Proximity Remote & Key Required	USE BETA N. AMERICA BY VEHICLE TYPE13	Yes *Not required if using SMART DONGLE	20-Digit Rolling Code BYPASS 20 DIGIT NISSAN WITH SMART DONGLE & BYPASS SOFTWARE (PART NO. ADC-198SD)	G-Tan Or SD

20 DIGIT DEALER PIN CODE available thru N.A.S.T.F. OR USE BYPASS NOW AVAILABLE

2014-2017 QX70 (INFINITI) WITH PROXIMITY START BUTTON IGNITION — ADS-159

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
285E3-1LL0D FCC# KR5S180144014	USE BETA N. AMERICA BY VEHICLE	Yes	Yes	Use BCM Conversion	G-Tan Or SD

2014-2017 QX80 (INFINITI) WITH PROXIMITY START BUTTON IGNITION — ADS-159

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Remote & Key Required	USE BETA N. AMERICA BY VEHICLE	Yes	Yes	Use BCM Conversion	G-Tan Or SD

2014-2017 ROGUE (NISSAN) WITH PROXIMITY START BUTTON IGNITION — ADS-197

OEM	SYSTEM	SMART Card	PIN Required	PRO Dongle
Dealer Proximity Remote & Key Required	SEE BELOW	Yes	20-Digit Rolling Code BYPASS 20 DIGIT NISSAN WITH SMART DONGLE & BYPASS SOFTWARE (PART NO. ADC-198SD)	G-Tan Or SD

20 DIGIT DEALER PIN CODE available thru N.A.S.T.F. OR USE BYPASS NOW AVAILABLE

A 2014-2015 ROGUE "SELECT" MODEL is available, these STILL USE 07-13 PROX SLOT BCM BASED SYSTEM. SEE MORE INFO

2014-2017 ROGUE (NISSAN) WITH KEY IGNITION — ADS-197

OEM	SYSTEM	SMART Card	PIN Required	PRO Dongle
Dealer Proximity Remote & Key Required	SEE BELOW	Yes *Not required if using SMART DONGLE	20-Digit Rolling Code BYPASS 20 DIGIT NISSAN WITH SMART DONGLE & BYPASS SOFTWARE (PART NO. ADC-198SD)	G-Tan Or SD

20 DIGIT DEALER PIN CODE available thru N.A.S.T.F. OR USE BYPASS NOW AVAILABLE

A 2014-2015 ROGUE "SELECT" MODEL is available, these STILL USE 2007-2013 BCM BASED SYSTEM. SEE MORE INFO

2008-2014* ROGUE (NISSAN) WITH PROXIMITY TWIST IGNITION — ADS-159

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
285E3-EM30D FCC# CWTWBU729	USE BETA N. AMERICA BY VEHICLE	Yes	Yes	Use BCM Conversion	G-Tan Or SD

A 2014-2015 ROGUE "SELECT" MODEL is available, these STILL USE A BCM BASED SYSTEM.

2008-2013 ROGUE (NISSAN) WITH KEY IGNITION — ADS-159

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
N104PT	USE BETA N. AMERICA BY VEHICLE	Yes	Yes	Use BCM Conversion	G-Tan Or SD

Note: 2009+ models use the newer BCM conversion. Convert using ADC-198 dongle or ADS-198SD.

2013-2016 SENTRA (Nissan) with Proximity (No Prog Slot) — ADS-159

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Remote & Key Required	USE BETA N. AMERICA BY VEHICLE	Yes	Yes	Use BCM Conversion	G-Tan Or SD

Verify correct part number of Prox with dealer by VIN or match existing working prox if one is available.
Production date prior to 05/13 use 285E3-3AA0A with FCC ID CWTWB1U815
Production date after 05/13 use 285E3-3SG0D with FCC ID CWTWB1U840

2007-2015 SENTRA (Nissan) with KEY Ignition — ADS-159

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
N104PT	USE BETA N. AMERICA BY VEHICLE	Yes	Yes	Use BCM Conversion	G-Tan Or SD

Note: 2009+ models use the newer BCM conversion. Convert using ADC-198 dongle or ADS-198SD.

2007-2012 SENTRA (Nissan) with Proximity TWIST Ignition — ADS-159

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Remote & Key Required	USE BETA N. AMERICA BY VEHICLE	Yes	Yes	Use BCM Conversion	G-Tan Or SD

Note: 2009+ models use the newer BCM conversion. Convert using ADC-198 dongle or ADS-198SD.

2000-2006 SENTRA (Nissan) — ADS-112

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
 N102PT	USE BETA N. AMERICA BY VEHICLE	Yes	PIN: 5523	Not Needed	A-Black Or SD

Note: Transponder System was optional.

2008-2016 TITAN (Nissan) — ADS-159

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
N104PT	USE BETA N. AMERICA BY VEHICLE	Yes	Yes	Use BCM Conversion	G-Tan Or SD

Note: Transponder System was optional. Some 2009 & up Infiniti's may use the newer BCM conversion.

2004-2007 TITAN (Nissan) — ADS-112

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
N104PT	USE BETA N. AMERICA BY VEHICLE	Yes	Yes	Use BCM Conversion	A-Black Or SD

Note: Transponder System was optional.

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2013-2016 VERSA (Nissan) with Proximity START Button Ignition (No Prog Slot) ADS-159

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
285E3-3SG0D FCC# CWTWB1U840	USE BETA N. AMERICA BY VEHICLE	Yes	Yes	Use BCM Conversion	**G**-Tan Or SD

2013-2016 VERSA (4 door 1.6L "S" or "SV") (Nissan)

If equipped with a keyed ignition may not be transponder equipped. Check before cutting.

2007-2012 VERSA (Nissan) with Proximity TWIST Ignition ADS-159

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
285E3-EM30D FCC# CWTWBU729	USE BETA N. AMERICA BY VEHICLE	Yes	Yes	Use BCM Conversion	**G**-Tan Or SD

Note: 2009+ models use the newer BCM conversion. Convert using ADC-198 dongle or ADS-198SD.

2007-2012 VERSA (Nissan) with KEY Ignition ADS-159

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
N104PT	USE BETA N. AMERICA BY VEHICLE	Yes	Yes	Use BCM Conversion	**G**-Tan Or SD

Note: 2009+ models use the newer BCM conversion. Convert using ADC-198 dongle or ADS-198SD.

2008-2014 XTERRA (Nissan) ADS-159

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
N104PT	USE BETA N. AMERICA BY VEHICLE	Yes	Yes	Use BCM Conversion	**G**-Tan Or SD

Note: 2009+ models use the newer BCM conversion. Convert using ADC-198 dongle or ADS-198SD.
Transponder system may be optional.

2005-2007 XTERRA (Nissan) ADS-159

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
N104PT	USE BETA N. AMERICA BY VEHICLE	Yes	Yes	Use BCM Conversion	**A**-Black Or SD

Note: Transponder system is optional and not very common.

2002-2004 XTERRA (Nissan) ADS-112

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
 N102PT	USE BETA N. AMERICA BY VEHICLE	Yes	PIN: 5523	Not Needed	**A**-Black Or SD
Note: Transponder system is optional and not very common.					

2005-2006 X-TRAIL (Nissan) (CANADA) ADS-112

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
 N102PT	USE BETA N. AMERICA BY VEHICLE	Yes	**Yes**	SIEMENS CONVERSION	**A**-Black Or SD

NISSAN ALTIMA
2000 MODEL YEAR



SPECIAL FUNCTIONS

PROGRAM KEY- This erases all currently programmed keys and place the system in learn mode. Only keys cycled in learn mode are learned.

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-112	ADC-250 / ADC- 251 F (WHITE) DONGLE
KEYS:	**SMART DONGLE?**
5 MAX	USE F (WHITE) DONGLE OR SD
KEYS RE-USABLE:	**SECURITY:**
YES	NO PIN CODE NEEDED
	COMPONENTS MATCHED?
	MATCHING CAPABILITY?

SECURITY LIGHT / THEFT INDICATOR:

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

MORE INFO:

Test all keys to ensure they programmed.

NISSAN ALTIMA
2000 MODEL YEAR

Use this method to PROGRAM KEYS

START HERE:

Select:
+NISSAN
+NORTH AMERICA
+BY VEHICLE
+ALTIMA
+BLADED



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWITCH IGNITION ON

PRESS ENTER KEY

PLEASE WAIT
TRYING TO COMMUNICATE

ECU IDENTIFICATION

NATS 4 PETROL

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU

> PROGRAM KEYS

PROGRAMMING KEYS

PLEASE WAIT

PROGRAM KEYS
PROCEDURE COMPLETE

DISCONNECT TESTER
FROM VEHICLE
PLEASE PROGRAM
IF NECESSARY

PRESS ENTER KEY

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

- -

2 or More KEYS -
For 2 or more Keys follow this procedure:

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

> Repeat for up to 5 keys.

> After the final key has been registered, re-insert and turn ON the very first key you started with and remove after 5 seconds.
This is very important to close the cycle.

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MODELS USING THE OLD STYLE NISSAN PORT





SPECIAL FUNCTIONS

PROGRAM KEY- This erases all currently programmed keys and place the system in learn mode. Only keys cycled in learn mode are learned.

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-112	ADC-250 / ADC- 251 B (RED) DONGLE
KEYS:	**SMART DONGLE?**
5 MAX	NO, USE (RED) DONGLE
KEYS RE-USABLE:	**SECURITY:**
YES	NO PIN CODE REQUIRED
	COMPONENTS MATCHED?
	N/A
	MATCHING CAPABILITY?

SECURITY LIGHT / THEFT INDICATOR:

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

MORE INFO:

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

Some 1997-2000 Infiniti-Nissan models in the U.S. use a special OBD cable to connect to the vehicle's computer. This cable is supplied with your device.

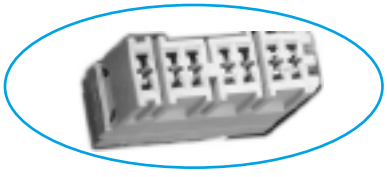
We call this the "Old Style Nissan" cable.

The Old Style Nissan cable is used whenever you see this port. If you see the Old Style Nissan port and the standard OBD 2 port, always use the Nissan Old Style port.

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

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

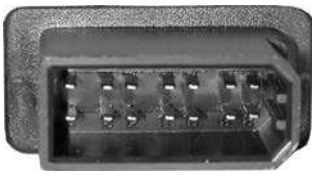
The 1999-2000 Infiniti QX4 & Nissan Pathfinder have the port exposed on the very bottom of the dash.



<u>Important Note:</u> You must have all existing keys present, if you want them to continue to start the vehicle. All keys are erased during this process and are considered "New" again and must be added back into the Immobilizer system.

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

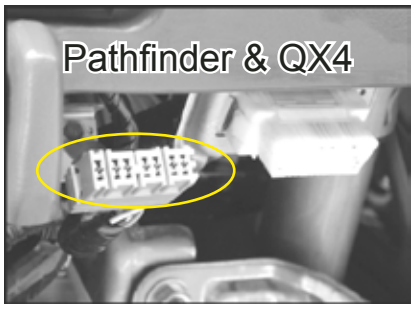
MAKE SURE TO USE THE ADC 118 OR ADC136 OLD STYLE NISSAN CABLE



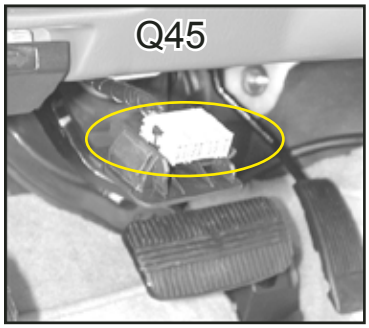


OLD STYLE PORT LOCATIONS

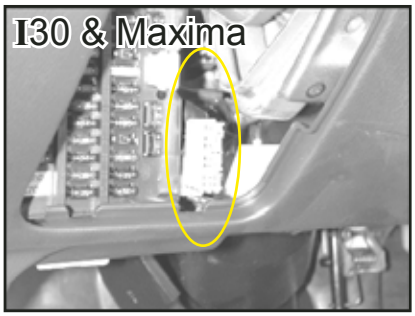




The 1999-2000 Infiniti QX4 & Nissan Pathfinder have the port exposed on the very bottom of the dash.



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



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

1999 MODELS USING THE OLD STYLE NISSAN PORT

Use this method to PROGRAM KEYS

START HERE:

Select:
+NISSAN
+NORTH AMERICA
+BY VEHICLE
+SELECT THE MODEL YOU ARE WORKING ON
+BLADED



NOTE: All current keys will be erased.

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

SWITCH IGNITION ON

PRESS ENTER KEY

PLEASE WAIT
TRYING TO COMMUNICATE

ECU IDENTIFICATION

NATS 4 PETROL

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU

> PROGRAM KEYS

PROGRAMMING KEYS

PLEASE WAIT

PROGRAM KEYS
PROCEDURE COMPLETE

DISCONNECT TESTER
FROM VEHICLE
PLEASE PROGRAM
IF NECESSARY

PRESS ENTER KEY

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

---

2 or More KEYS -
For 2 or more Keys follow this procedure:

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

> Repeat for up to 5 keys.

> After the final key has been registered, re-insert and turn ON the very first key you started with and remove after 5 seconds.
This is very important to close the cycle.

ADC-198SD PIN CODE CONVERSION SOFTWARE

(OPTIONAL AVAILABLE SOFTWARE FOR SMART DONGLE)

Use this method to CONVERT BCM SERIAL NUMBERS TO PIN CODES

These same instructions also apply to using the ADC-198 Dongle  *(recently discontinued)*

Use either the ADC-241 adaptor or a vehicle's OBD port to power the unit.

START HERE:

Select:
+NISSAN
+PIN CODE CONVERTOR
+ADC-198 2009->



To change to letters on the keypad use the left and right arrow keys.

SECURITY CODE

1 1 1 1 1

(This is just an example)

X ✔

ONCE YOU HAVE ENTERED THE BCM SELECT THE CHECK MARK TO CALCULATE

PINCODE CONVERTOR

PRESS ENTER KEY

NISSAN PIN CODES

BCM : 1 2 A 5 F

PINCODE ->2009: 5253
PINCODE 2009->: 7159

PRESS ENTER KEY

NISSAN PIN CODES

PLEASE ENSURE THAT THE NISSAN ADC-198 DONGLE OR THE SMART DONGLE IS FITTED AND THE TESTER IS BEING POWERED FROM THE VEHICLE OR USING THE ADC-241 ADAPTOR.

PRESS ENTER KEY

THE CONVERSION WILL DISPLAY:

OLD= BEFORE 2009 = XXXX
NEW = AFTER 2009 = XXXX

WRITE DOWN THE RESULTS SO YOU WILL HAVE THEM HANDY PRESS ENTER & BACK TO THE MAIN MENUS

NISSAN BCM CODE

1_ 2_ _ _

1	2	3	4	5
6	7	8	9	0

IF USING MVP PRO ADC-198 OR ADS198SD SOFTWARE DOES NOT USE A TOKEN TO CONVERT BCM CODES

NISSAN BCM CODE

1_ 9_ A_A _F

A	B	C	D	E
F	G	H	I	J

WATCH VIDEO - CONVERTING A BCM CODE



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ALL KEYED (BLADED) IGNITION MODELS WITH B.C.M.





SPECIAL FUNCTIONS

Carefully pick the MAKE MODEL YEAR from the menu's BY VEHICLE on the Latest BETA.

Follow the tester prompts as the software guides you thru to completion.

If possible the tester should first read out the BCM label number after the ecu ID screen.

(Not all systems can be read via OBD, see notes)

Convert the BCM SERIAL # to a pin code. (You will need to do this before going to #2)

#2 PROGAM KEYS: Erases all currently programmed keys and programs the ones used in the procedure. (5 Keys Max.)

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-112 ADS-159	ADC-250 / ADC- 251 A (BLACK) or G (GREY) DONGLE depending on model (see KEY GUIDE)
MAX # OF PROX KEYS:	**SMART DONGLE?**
5	YES
PROX KEYS:	**SECURITY:**
Re-usable	SEE BELOW
	COMPONENTS MATCHED?
	IMMO BCM PCM ARE MATCHED
	MATCHING CAPABILITY?
	Some components such as antenna are plug and play

SECURITY LIGHT / THEFT INDICATOR:

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



WATCH VIDEO - 2002 PATHFINDER PROGRAM KEYS

Older BCM systems use a fixed PIN Code: "5523".
Starting in 2003 the PIN is converted from the BCM serial number (Body Control Module) this needs to be converted to a PIN Code that the vehicle needs.
The BCM serial number can be retrieved by either looking at the label attached to the BCM or by using the software in the MVP / TCODE to "read" the BCM serial number.
The BCM serial number is always 5 digits long and may contain some letters and numbers or just numbers.
Once you have the BCM serial number and convert it to the PIN Code. You can then use that PIN Code to program keys or PROX remotes.

TIPS:

>HAVE ALL KEYS READY
>WATCH THE SECURITY LIGHT

MORE INFO:

TROUBLESHOOTING:

USE VERSION 12.52 OR HIGHER (BETA AT TIME OF PUBLISHING)
INCORRECT ACCESS CODE = CHECK THE PIN CODE

SOLID THEFT LIGHT = IF THEFT LIGHT GOES SOLID WITH ANY KEY, CHECK THE TRANSPONDER. THE LIGHT BLINKS 5 TIMES AS THE KEY ACCEPTED / PROGRAMMED.

WATCH VIDEO - 2013 NISSAN ROGUE PROGRAMMING THE KEY & REMOTE



ALL KEYED
(BLADED)
IGNITION MODELS WITH B.C.M.

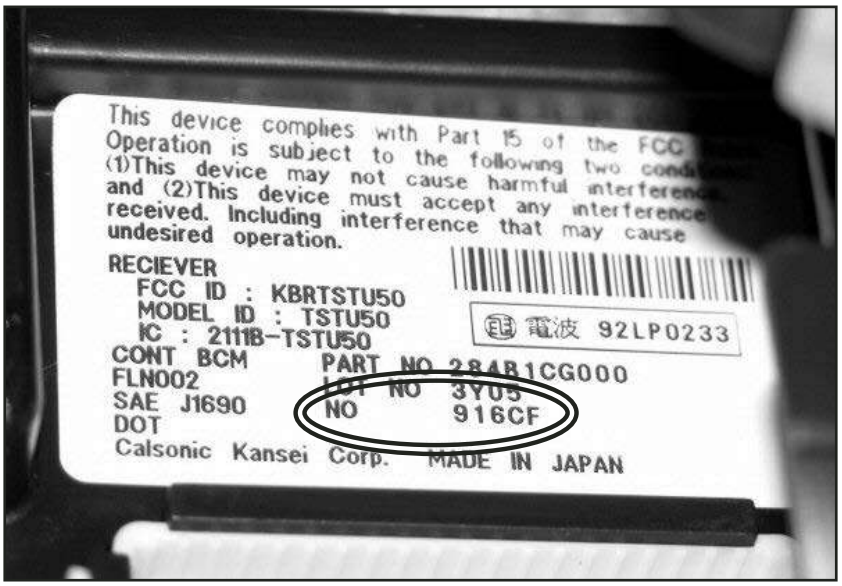
A PIN code is **needed** for Infiniti-Nissan models using a BCM in the U.S. through 2002. This PIN code is the same (5523) on all current models through 2002.

IN 2003 Infiniti-Nissan started to use a random PIN code. This is done by converting the BCM (Body Control Module) identification number to a PIN.

Usually its possible to READ the label number using the PRO thru the OBD port.

On some early models listed on the following page this can't be done so the label needs to be looked at in order to read the serial number / label number.

The vehicle has a "BCM' unit.



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

The BCM has a serial number on it that can be converted to the PIN Code.

Usually its possible to READ the label number using the PRO thru the OBD port.
The BCM is usually located near the inside fuse panel, however it can be in digfferent locations depending on the model and year of the car.

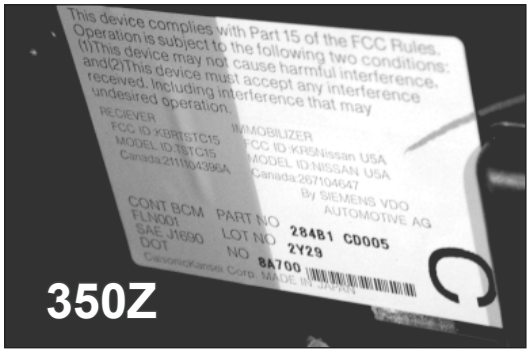
MODELS THAT YOU NEED TO LOOK AT THE BCM LABEL

MODEL	YEAR	PIN	BCM / IMMU LOCATION
G35	2003-2006	BCM LABEL CONVERTS TO PIN CODE	Next to Fuse Panel
M45	2006-2008		Use “Type 12” to “Read” BCM Code
MURANO	2003-2006		On BCM Box, Under Dash
350Z	2003-2004		On BCM Box, Next to Fuse Panel



350Z

BCM (Body Control Module) is located next to the fuse panel on the inside driver’s side kick panel.



Example:
The 350Z BCM Serial number is “8A700” on this car and is right next to the barcode. Serial Number “8A700” converts to PIN “2164”.
“2164” is the PIN you would enter using the MVP or TCODE.



FX35 / FX45

Next to the fuse panel on the inside driver’s side kick panel.





Murano
located under the dash to the right of the steering column.
The Murano's BCM (Body Control Module) is blocked by some wiring and may not be noticeable right away.

You really have to bend your neck to find this one.



Example:
The Murano BCM Serial number is "85010" on this car and is right next to the barcode. Serial Number "85010" converts to PIN "8356".
"8356" is the PIN you would enter using the MVP or TCODE.



G35
Located next to the fuse panel on the inside drivers side kick panel.



Example:
The G35 BCM Serial number is "5CE42" on this car and is right next to the barcode. Serial Number "5CE42" converts to PIN "9684".
"9684" is the PIN you would enter using the MVP or TCODE.

MODELS WITH BCM

MODEL	YEAR	PIN	BCM / IMMU LOCATION
ALTIMA	2001-2004	5523	Use 5523 as the PIN
	2005-2006	Convert BCM	Read BCM is now part of the software
ARMADA	2004-2006	Convert BCM	Read BCM is now part of the software
FX35 /FX45	2004-2006	Convert BCM	Read BCM is now part of the software
G20	2000-2002	5523	Use 5523 as the PIN
G35	2003-2006	Convert BCM	Need to look at label, Next to Fuse Panel
I30 & I35	2000-2004	5523	Use 5523 as the PIN
M45	2006-2008	Convert BCM	Read BCM is now part of the software
MAXIMA	2000-2003	5523	Use 5523 as the PIN
	2004-2007	Convert BCM	Read BCM is now part of the software
MURANO	2003-2006	Convert BCM	Need to look at label, On BCM Box, Under Dash
PATHFINDER	2001-2004	5523	Use 5523 as the PIN
	2005-2007	Convert BCM	Read BCM is now part of the software
QUEST	2004-2007	Convert BCM	Read BCM is now part of the software
QX4	2001-2004	5523	Use 5523 as the PIN
SENTRA	2000-2006	5523	Use 5523 as the PIN
	2007	Convert BCM	Read BCM is now part of the software
TITAN	2004-2007	Convert BCM	Read BCM is now part of the software
VERSA	2007	Convert BCM	Read BCM is now part of the software
350Z	2003-2004	Convert BCM	Need to look at label, On BCM Box, Next to Fuse Panel
	2005-2007	Convert BCM	Read BCM is now part of the software

KEYED (BLADED) IGNITION MODELS

Use this method to PROGRAM KEYS

START HERE:
Select:
+NISSAN
+NORTH AMERICA
+BY VEHICLE
+SELECT THE MODEL YOU ARE WORKING ON
+BLADED
NOTE:
All current keys will be erased but they can be programmed back in if present.



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

HAZARDS ON / IGNITION OFF

PRESS ENTER KEY

ECU IDENTIFICATION

PART No : 3LM0AGB

PRESS ENTER KEY

BCM

BCM LABEL NUMBER : 1B0A2
CONVERT BCM LABEL NUMBER TO PINCODE USING AD CODE WIZARD OR ADC-198 DONGLE

PRESS ENTER KEY

#1 - WRITE THE BCM LABEL NUMBER DOWN & CONVERT THE BCM TO A 4 DIGIT PIN CODE

#2 RETURN TO THE MENU AT #2 PROGRAM KEYS.

HAVE ALL KEYS READY...

DIAGNOSTIC MENU

#1 BCM READ
> #2 PROGRAM KEYS
ERASE REMOTES
PROGRAM REMOTES

PROGRAM KEYS

ENSURE ALL DOORS ARE CLOSED

PRESS ENTER KEY

SECURITY CODE

_ _ _ _

1	2	3	4	5
6	7	8	9	0

SECURITY CODE

4 4 7 7
(this is just an example)

X ✔

WARNING

ALL KEYS WILL BE ERASED
DO YOU WANT TO CONTINUE

X ✔

PROGRAM KEYS

MAX. 4 KEYS ALLOWED

PRESS ENTER KEY

PROGRAM KEYS

INCORRECT PIN CODE

PRESS ENTER KEY

DOUBLE CHECK THE BCM TO PIN CODE CONVERSION IF YOU GET THIS MESSAGE

PROGRAM KEYS

SWITCH IGNITION ON WITH KEY #1

PRESS ENTER KEY



PROGRAM KEYS

SWITCH IGNITION OFF

PRESS ENTER KEY

CONTINUED ON NEXT PAGE

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KEYED (BLADED) IGNITION MODELS

Use this method to PROGRAM KEYS - CONTINUED

PROGRAM KEYS

SWITCH IGNITION ON WITH KEY #1
THE SECURITY INDICATOR SHOULD FLASH 5 TIMES

PRESS ENTER KEY



WATCH THE SECURITY LIGHT. IT MUST BLINK 5 TIMES FOR EACH KEY. IF THE LIGHT GOES SOLID SOMETHING IS WRONG. KEY IS MOST LIKELY N/G

PROGRAM KEYS

DO YOU WANT TO PROGRAM MORE KEYS

X ✔

NOTE: All current keys will be erased.

IF YOU HAVE MORE KEYS CONTINUE
IF NOT SKIP TO HERE

PROGRAM KEYS

SWITCH IGNITION OFF
PLEASE WAIT

TIME: 05 (Seconds)

PRESS ENTER KEY

PROGRAM KEYS

INSERT **NEXT** KEY

SWITCH IGNITION ON

THE SECURITY INDICATOR SHOULD FLASH 5 TIMES
TIME : 05 (Seconds)

PRESS ENTER KEY

PROGRAM KEYS

SWITCH IGNITION OFF

PRESS ENTER KEY



PROGRAM KEYS

SWITCH IGNITION ON WITH KEY #1

PRESS ENTER KEY



START THE ENGINE / SECURITY LIGHT SHOULD BE OFF

STARTING THE ENGINE WITH KEY #1 WILL CLOSE THE PROCEDURE.

TWIST KNOB PROX SYSTEMS







SPECIAL FUNCTIONS

The face of the ignition lock has a plastic “Twist” knob instead of the common metal face.

Behind the Twist knob is a fully functional metal ignition lock assembly with just 1 tumbler in it.

The ignition locking mechanism is controlled by a electrical solenoid for turning & security.

PROGAM E-KEYS:
This will guide you thru all the steps necessary to program 1 to 4 E-KEYS into the system.

Once you have the BCM Label # from the vehicle it will be necessary to convert this into a PIN CODE.

ERASE REMOTES:
This clears all remotes from memory.

PROGAM REMOTES:
This programs the prox remote part of the keys.

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-	ADC-250 / ADC- 251 G (GREY) DONGLE
MAX # OF PROX KEYS:	**SMART DONGLE?**
4	YES
PROX KEYS:	**SECURITY:**
Re-usable	BCM LABEL CONVERTS TO PIN NUMBER
	COMPONENTS MATCHED?
	MATCHING CAPABILITY?

SECURITY LIGHT / THEFT INDICATOR:

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

If you already have a working PROX you still need to follow the all the procedures you still need to go thru all the steps. Only keys used in the process will function when done.

TIPS:

TROUBLESHOOTING:
USE VERSION 12.52 OR HIGHER (BETA AT TIME OF PUBLISHING)
INCORRECT ACCESS CODE = CHECK THE PIN CODE
SOLID THEFT LIGHT = IF THEFT LIGHT GOES SOLID WITH ANY KEY,
CHECK THE TRANSPONDER.
DURING PROGRAMMING THE THEFT LIGHT BLINKS 5 TIMES AS THE KEY ACCEPTED / PROGRAMMED. MAKE SURE TO WATCH FOR THIS.

MORE INFO:



WATCH VIDEO - PROGRAMMING A 2010 NISSAN ARMADA

TWIST KNOB PROX MODELS

Use this method to PROGRAM E-KEYS & PROX

START HERE:
Select:
+NISSAN
+NORTH AMERICA
+BY VEHICLE
+SELECT THE MODEL YOU ARE WORKING ON
+TWIST KNOB PROX

NOTE: All current keys will be erased but they can be programmed back in if present.



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

HAZARDS ON / IGNITION OFF

PRESS ENTER KEY

ECU IDENTIFICATION

PART No : 3LM0AGB

PRESS ENTER KEY

BCM

BCM LABEL NUMBER : 1B0A2
CONVERT BCM LABEL NUMBER TO PINCODE USING AD CODE WIZARD OR ADC-198 DONGLE

PRESS ENTER KEY

#1 - WRITE THE BCM LABEL NUMBER DOWN & CONVERT THE BCM TO A 4 DIGIT PIN CODE

#2 RETURN TO THE MENU AT #2 PROGRAM KEYS.

HAVE ALL KEYS READY...

DIAGNOSTIC MENU

#1 BCM READ
> #2 PROGRAM E-KEYS
ERASE REMOTES
PROGRAM REMOTES

PROGRAM KEYS

ENSURE ALL DOORS ARE CLOSED
IF YOU ALREADY HAVE A PROGRAMMED PROX PRESS THE LOCK BUTTON ON THE RKE TO LOCK THE DOORS

PRESS ENTER KEY

WARNING

ALL KEYS WILL BE ERASED
DO YOU WANT TO CONTINUE

X ✔

SECURITY CODE

_ _ _ _

1	2	3	4	5
6	7	8	9	0

SECURITY CODE

4 4 7 7
(this is just an example)

X ✔

PROGRAM KEYS

MAX. 4 KEYS ALLOWED

PRESS ENTER KEY

PROGRAM KEYS

INCORRECT PIN CODE

PRESS ENTER KEY

DOUBLE CHECK THE BCM TO PIN CODE CONVERSION IF YOU GET THIS MESSAGE

PROGRAM KEYS

INSERT E-KEY KEY #1 INTO IGNITION

PRESS ENTER KEY

PROGRAM KEYS

STEERING LOCK SUCCESSFULL SWITCH IGNITION ON

PRESS ENTER KEY

PROGRAM KEYS

SWITCH IGNITION OFF

PRESS ENTER KEY

CONTINUED ON NEXT PAGE

TWIST KNOB PROX MODELS

Use this method to PROGRAM E-KEYS & PROX - CONT'D

PROGRAM KEYS

SWITCH IGNITION ON

THE SECURITY INDICATOR SHOULD FLASH 5 TIMES
TIME : 05 (Seconds)

PRESS ENTER KEY



WATCH THE SECURITY LIGHT. IT MUST BLINK 5 TIMES FOR EACH KEY. IF THE LIGHT GOES SOLID SOMETHING IS WRONG. KEY IS MOST LIKELY N/G

PROGRAM KEYS

SWITCH IGNITION OFF

PRESS ENTER KEY

PROGRAM KEYS

DO YOU WANT TO
PROGRAM MORE KEYS

X ✔

IF YOU HAVE MORE KEYS CONTINUE
IF NOT SKIP TO HERE

PROGRAM KEYS

SWITCH IGNITION OFF
PLEASE WAIT

TIME: 05 (Seconds)

PRESS ENTER KEY

PROGRAM KEYS

INSERT **NEXT** E-KEY

SWITCH IGNITION ON

THE SECURITY INDICATOR SHOULD FLASH 5 TIMES
TIME : 05 (Seconds)

PRESS ENTER KEY

PROGRAM KEYS

SWITCH IGNITION OFF

PRESS ENTER KEY

PROGRAM KEYS

DO YOU WANT TO
PROGRAM MORE KEYS

X ✔

REPEAT THIS FOR UP TO 4 E-KEYS MAX.

WHEN YOU ARE FINISHED SWITCH THE IGNITION ON WITH E-KEY #1

PROGRAM KEYS

SWITCH IGNITION ON WITH
E-KEY #1

PRESS ENTER KEY

THE THEFT LIGHT SHOULD BE OFF

START THE ENGINE / SECURITY LIGHT SHOULD BE OFF

STARTING THE ENGINE WITH KEY #1 WILL CLOSE THE E-KEY PART OF THE PROCEDURE.

NOW LET'S DO THE PROX REMOTES - ERASE FIRST

DIAGNOSTIC MENU

#1 BCM READ
#2 PROGRAM KEYS
> ERASE REMOTES
PROGRAM REMOTES

ERASE REMOTES

SWITCH IGNITION ON
WITH A PROGRAMMED E-KEY

PRESS ENTER KEY

CONTINUED ON NEXT PAGE

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TWIST KNOB PROX MODELS

Use this method to PROGRAM E-KEYS & PROX- CONT'D

ERASE REMOTES

PROCEDURE COMPLETE

PRESS ENTER KEY

NOW PROGRAM UP TO 4 PROX REMOTES MAX.

DIAGNOSTIC MENU

#1 BCM READ
#2 PROGRAM KEYS
ERASE REMOTES
> PROGRAM REMOTES

PROGRAM REMOTES

SWITCH IGNITION ON
WITH A PROGRAMMED E-KEY

PRESS ENTER KEY

PROGRAM REMOTES

PRESS & RELEASE
THE LOCK BUTTON ON
THE REMOTE TO PROGRAM



THE SCREEN WILL CHANGE ONCE THE REMOTE IS ACCEPTED

PROGRAM KEYS

DO YOU WANT TO
PROGRAM MORE REMOTES

X ✔

REPEAT FOR UP TO 4 PROX REMOTES MAX.



WHEN YOU ARE FINISHED PUT THE E-KEYS INSIDE THE PROX REMOTES AND CHECK THAT EVERYTHING IS FUNCTIONING PROPERLY.

THE RKE BUTTONS SHOULD WORK AND THE TWIST KNOB SHOULD TURN TO START THE CAR ANYTIME THERE IS A PROX REMOTE INSIDE THE CABIN.

TWIST KNOB PROX MODELS

INFO ABOUT VALET KEYS

Valet Keys





A VALET KEY can be programmed in if all the customer wants is for the car to start.

The “Twist” knob ignition lock has a slot in the center that allows the smaller head Valet key to enter.



Even though the key is cut - if the key is not programmed to the vehicle it will not turn in the lock.

The steering lock mechanism will prevent the lock from turning even with the correct cut key.

2002-2006 INFINITI Q45 & 2003-04 M45





SPECIAL FUNCTIONS

Program OEM Remote Key (teardrop) keys as follows:

1) Insert working metal key in Ign and turn on.

2) Go into Nissan then Euro then Almera, insert pin code. (2002 uses fixed 5523.

2003-2006 uses Random BCM CONVERSION PIN) (Regular cable, black dongle on Pro)

3) Remove metal key from Ign and place each teardrop key to be programmed into Ign without turning on.

Theft light blinks 5 times for each key. (Max 4 keys)

4) Start car with 1st key used to close out programming.

5) Program RKE buttons on board same as other Nissan remotes.

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-	ADC-250 / ADC- 251 A (BLACK) DONGLE
MAX # OF PROX KEYS:	**SMART DONGLE?**
4	YES
PROX KEYS:	**SECURITY:**
Re-usable	2002 uses fixed PIN CODE of 5523 2003-2006 uses BCM CONVERSION for PIN
	COMPONENTS MATCHED?
	MATCHING CAPABILITY?

SECURITY LIGHT / THEFT INDICATOR:

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

TIPS:

MORE INFO:

YOU NEED A WORKING METAL KEY THAT FITS THE IGNITION.

Special Instructions for

2002-06 INFINITI Q45 & 2003-04 M45

BCM Location:
Right by OBD port with label facing shifter, don't need to take anything apart to get to it.



BCM does not look like other BCM's Black box with white label that has a 4 digit number, then a barcode then says unit# and 5 digit BMC serial # (10E80 in the example photo)

M45 & Q45 models equipped with this style Remote.
Remote Program Procedure: (No tester needed)



The Remote buttons must be programmed before the transponder chip in the Remote can be programmed.
→ Sit in car and close & lock all the doors.
→ Use the mechanical metal key to insert & remove into the ignition lock cylinder very fast 6 times within 10 seconds.
→ Note: Make sure each time you remove the key all the way.
→ The emergency warning lights should blink twice.
→ Insert the mechanical metal key and turn to the "ACC" position.
→ Press any button on the Remote and the emergency warning lights should blink twice. If only programming one remote, open the drivers door to close the cycle. Double check Remote functions.
→ If programming more than one Remote, use the drivers door electric lock buttons to Unlock the door and then to Lock it again. Press any button on the Remote and the emergency warning lights should blink twice.
→ You can program up to 4 Remotes this way. Opening the drivers door will close the cycle.

PROX SLOT MODELS





SPECIAL FUNCTIONS

This is a guided system. Select BY VEHICLE
Follow the tester prompts to completion.

SELECT PROGAM PROX:

This will do the following:

Read BCM code from vehicle's memory.

Convert BCM Code to PIN.

Use Conversion Dongle (ADC-198)
or SmartDongle Conversion Software
(ADS198SD)

Once you have the BCM converted to a Pin Code the Pin Code is entered into the PRO
If the Pin Code is correct and is accepted by the car the PRO Releases Steering Lock mechanism & Programs the Prox Remote by stepping you thru a sequence. Follow the tester prompts carefully. Complete each step before pressing ENTER.

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-	ADC-250 / ADC- 251 G (GREY) DONGLE
MAX # OF PROX KEYS:	**SMART DONGLE?**
4	YES
PROX KEYS:	**SECURITY:**
Re-usable	BCM LABEL CONVERTS TO PIN CODE 2007-2008< USE OLD PIN 2009> & NEWER, USE NEW PIN
	COMPONENTS MATCHED?
	MATCHING CAPABILITY?

SECURITY LIGHT / THEFT INDICATOR:

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





LOCK ACCESSORY ON



TIPS:

MORE INFO:

Prox Programming Slot is located on the lower left side of the dash.





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

285E3-JA000
2007 Altima Model
PROX Remote

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



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

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



WATCH VIDEO - PROGRAMMING 2012 NISSAN ALTIMA WITH SMART DONGLE

PROX SLOT MODELS

Use this method to PROGRAM PROX

START HERE:

Select:
+NISSAN OR +INFINITI
+NORTH AMERICA
+BY VEHICLE
+SELECT THE MODEL YOU ARE WORKING ON
+PROX SLOT

NOTE: All current keys will be erased but they can be programmed back in if present.



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

HAZARDS ON / IGNITION OFF

PRESS ENTER KEY

ECU IDENTIFICATION

PART No : 3LM0AGB

PRESS ENTER KEY

BCM

BCM LABEL NUMBER : 1B0A2
CONVERT BCM LABEL NUMBER TO PINCODE USING AD CODE WIZARD OR ADC-198 DONGLE

PRESS ENTER KEY

#1 - WRITE THE BCM LABEL NUMBER DOWN & CONVERT THE BCM TO A 4 DIGIT PIN CODE

#2 RETURN TO THE MENU AT #2 PROGRAM KEYS.

HAVE ALL KEYS READY...

DIAGNOSTIC MENU

#1 BCM READ
> #2 PROGRAM KEYS
ERASE REMOTES
PROGRAM REMOTES

REGISTER INTELLI KEY

ENSURE ALL DOORS ARE CLOSED
MAKE SURE NO PROX IS IN THE PROGRAMMING SLOT
IF YOU ALREADY HAVE A PROGRAMMED PROX PRESS THE LOCK BUTTON ON THE RKE TO LOCK THE DOORS

PRESS ENTER KEY

WARNING

ALL KEYS WILL BE ERASED
DO YOU WANT TO CONTINUE

X ✔

SECURITY CODE

_ _ _ _

1	2	3	4	5
6	7	8	9	0

SECURITY CODE

4 4 7 7
(this is just an example)

X ✔

REGISTER INTELLI KEY

WARNING: DO NOT PRESS THE BRAKE PEDAL
INSERT KEY # 1 INTO SLOT
MAX 4 KEYS ALLOWED

PRESS ENTER KEY



PROGRAM KEYS

INCORRECT PIN CODE

PRESS ENTER KEY

DOUBLE CHECK THE BCM TO PIN CODE CONVERSION IF YOU GET THIS MESSAGE

REGISTER INTELLI KEY

PRESS THE START / STOP BUTTON IGNITION SHOULD SWITCH ON

PRESS ENTER KEY

REGISTER INTELLI KEY

PRESS THE START / STOP BUTTON IGNITION SHOULD SWITCH OFF

PRESS ENTER KEY

CONTINUED ON NEXT PAGE

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PROX SLOT MODELS

Use this method to PROGRAM PROX - CONT'D

REGISTER INTELLI KEY

PRESS THE START / STOP BUTTON IGNITION SHOULD SWITCH ON & THE THE SECURITY INDICATOR SHOULD FLASH 5 TIMES

PRESS ENTER KEY



WATCH FOR THE 5 FLASHES

REGISTER INTELLI KEY

PRESS THE START / STOP BUTTON IGNITION SHOULD SWITCH OFF

PRESS ENTER KEY

REGISTER INTELLI KEY

DO YOU WANT TO PROGRAM MORE KEYS

X ✔

IF YOU HAVE MORE KEYS CONTINUE
IF NOT SKIP TO HERE

REGISTER INTELLI KEY

INSERT **NEXT** PROX INTO SLOT
PRESS START / STOP BUTTON
THE SECURITY INDICATOR SHOULD FLASH 5 TIMES
TIME : 05 (Seconds)

PRESS ENTER KEY

REGISTER INTELLI KEY

PRESS START SOPT BUTTON IGNITION SHOULD SWITCH OFF

PRESS ENTER KEY

REGISTER INTELLI KEY

DO YOU WANT TO PROGRAM MORE KEYS

X ✔

REGISTER INTELLI KEY

INSERT PROX #1 INTO SLOT
PRESS START / STOP BUTTON IGNITION SHOULD SWITCH ON

PRESS ENTER KEY

REGISTER INTELLI KEY

PRESS THE START / STOP BUTTON IGNITION SHOULD SWITCH OFF

PRESS ENTER KEY

REGISTER INTELLI KEY

DEPRESS THE BRAKE PEDAL

PRESS & HOLD THE START / STOP BUTTON UNTIL THE ENGINE STARTS

PRESS ENTER KEY

CHECK THAT ALL THE PROX REMOTES ARE FUNCTIONING PROPERLY

TROUBLESHOOTING:

USE VERSION 12.52 OR HIGHER (BETA AT TIME OF PUBLISHING)

INCORRECT ACCESS CODE = CHECK THE PIN CODE

SOLID THEFT LIGHT = IF THEFT LIGHT GOES SOLID WITH ANY KEY, CHECK THE KEY & MAKE SURE IT IS THE RIGHT PROX PART.
THE LIGHT BLINKS 5 TIMES AS EACH PROX KEY IS ACCEPTED / PROGRAMMED

PUSH TO START PROX WITHOUT PROGRAMMING SLOT



SPECIAL FUNCTIONS

This is a guided system.

Use the latest BETA available.

Select "BY VEHICLE" Follow the tester prompts to completion.

#1 READ BCM:

Reads the BCM code from vehicle's memory. Convert this BCM code to PIN.

Use Conversion Dongle (ADC-198)
or SmartDongle Conversion Software (ADS198SD)

#2 PROGRAM KEY:

Once you have the BCM converted to a Pin Code the Pin Code SELECT #2 PROGRAM KEY. The Pro will begin programming by asking for the PIN CODE. If the Pin Code is accepted by the car the PRO Releases Steering Lock & Programs the Prox Remote by stepping you thru short a sequence.

Follow the tester prompts carefully.

Complete each step before pressing ENTER.

PROX AND RKE BUTTONS PROGRAM IN AT THE SAME TIME WITHOUT ANY SEPARATE PROCEDURE

TIPS:

Carefully choose prox part #'s there are several and they are non-interchangable!

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-159	ADC-250 / ADC- 251 G (GREY) DONGLE
MAX # OF PROX KEYS:	**SMART DONGLE?**
4	YES
PROX KEYS:	**SECURITY:**
Re-usable	BCM LABEL CONVERTS TO PIN CODE
	COMPONENTS MATCHED?
	MATCHING CAPABILITY?

SECURITY LIGHT / THEFT INDICATOR:

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

There are 2 theft lights on the dash to watch out for when programming.



MORE INFO:



2016 Mazda 6 Prox

WATCH VIDEO - PROGRAMMING A 2013 NISSAN LEAF

PUSH TO START PROX WITHOUT PROGRAMMING SLOT

Use this method to PROGRAM PROX

START HERE:

Select:
+NISSAN OR +INFINITI
+NORTH AMERICA
+BY VEHICLE
+SELECT THE MODEL YOU ARE WORKING ON

NOTE: All current keys will be erased but they can be programmed back in if present.



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

HAZARDS ON / IGNITION OFF
PRESS ENTER KEY

ECU IDENTIFICATION
PART No : 3SG3AUB
PRESS ENTER KEY

DIAGNOSTIC MENU
#1 BCM READ
#2 PROGRAM KEY

BCM
BCM LABEL NUMBER : 1B0A2 CONVERT BCM LABEL NUMBER TO PINCODE USING AD CODE WIZARD OR ADC-198 DONGLE
PRESS ENTER KEY

#1 - WRITE THE BCM LABEL NUMBER DOWN & CONVERT THE BCM TO A 4 DIGIT PIN CODE

#2 RETURN TO THE MENU AT #2 PROGRAM KEYS.

HAVE ALL KEYS READY...

DIAGNOSTIC MENU
#1 BCM READ
> #2 PROGRAM KEY
ERASE REMOTES
PROGRAM REMOTES

REGISTER INTELLI KEY
KEYS NOT AVAILABLE WILL BE DELETED MAX. 4 KEYS ALLOWED
PRESS ENTER KEY

REGISTER INTELLI KEY
ENSURE ALL DOORS ARE CLOSED
PRESS ENTER KEY

SECURITY CODE
_ _ _ _
1 2 3 4 5 6 7 8 9 0

SECURITY CODE
1 2 3 4 (this is just an example)
X ✔

REGISTER INTELLI KEY
PRESS & RELEASE START / STOP BUTTON INDICATOR ON THE START STOP BUTTON SHOULD START TO BLINK HOLD KEY #1 AGAINST IGNITION WITHIN 5 SECONDS IGNITION SHOULD SWITCH ON AUTOMATICALLY SECURITY INDICATOR SHOULD FLASH 5 TIMES
PRESS ENTER KEY



PRESS AND RELEASE THE START / STOP BUTTON

THE LIGHT ON THE BUTTON SHOULD ILLUMINATE

PUSH TO START PROX WITHOUT PROGRAMMING SLOT

Use this method to PROGRAM PROX - CONT'D



IMMEDIATELY HOLD THE FIRST PROX YOU WANT TO PROGRAM UP TO THE BUTTON.
NOTE: THIS WILL BE PROX #1





REGISTER INTELLI KEY

PLEASE WAIT 5 SECONDS
.....

REGISTER INTELLI KEY

DO YOU WANT TO
PROGRAM MORE KEYS

X ✔

IF YOU HAVE MORE KEYS CONTINUE
IF NOT SKIP TO HERE

REGISTER INTELLI KEY

PRESS THE START / STOP BUTTON IGNITION SHOULD SWITCH OFF

PRESS ENTER KEY

REGISTER INTELLI KEY

PRESS & RELEASE START / STOP BUTTON
INDICATOR ON START STOP BUTTON SHOULD START TO BLINK
HOLD NEXT KEY AGAINST IGNITION WITHIN 5 SECONDS
IGNITION SHOULD SWITCH ON AUTOMATICALLY
SECURITY INDICATOR SHOULD FLASH 5 TIMES

PRESS ENTER KEY

REGISTER INTELLI KEY

DO YOU WANT TO
PROGRAM MORE KEYS

X ✔

REGISTER INTELLI KEY

PRESS THE START / STOP BUTTON IGNITION SHOULD SWITCH OFF

PRESS ENTER KEY

REGISTER INTELLI KEY

PLEASE WAIT 5 SECONDS
.....

REGISTER INTELLI KEY

PRESS START /STOP BUTTON

IGNITION SHOULD TURN ON

HOLD KEY #1 AGAINST START / STOP BUTTON

SECURITY INDICATOR SHOULD BE OFF

PRESS ENTER KEY

REGISTER INTELLI KEY

PRESS THE START / STOP BUTTON IGNITION SHOULD SWITCH OFF

PRESS ENTER KEY

REGISTER INTELLI KEY

OPEN & CLOSE THE DRIVER'S DOOR. KEY SYMBOL ON DASH SHOULD BLINK 5 TIMES

PRESS "UNLOCK" ON A PROGRAMMED REMOTE

PRESS ENTER KEY

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PUSH TO START PROX WITHOUT PROGRAMMING SLOT

Use this method to PROGRAM PROX - CONT'D





PRESS "UNLOCK" ON ONE OF THE REMOTES

REGISTER INTELLI KEY
PROCEDURE COMPLETE
CHECK THAT ENGINE STARTS
PRESS ENTER KEY

TROUBLESHOOTING:

USE VERSION 12.52 OR HIGHER (BETA AT TIME OF PUBLISHING)

DASH WON'T LIGHT UP WHEN HOLDING UP PROX DURING PROGRAMMING =
THIS USUALLY INDICATES THAT THE PROX YOU ARE TRYING TO USE IS NOT THE CORRECT PART FOR THIS VEHICLE.

INCORRECT ACCESS CODE = CHECK THE PIN CODE

SOLID THEFT LIGHT = IF THEFT LIGHT GOES SOLID WITH ANY KEY,
CHECK THE KEY & MAKE SURE IT IS THE RIGHT PROX PART.
THE LIGHT BLINKS 5 TIMES AS EACH PROX KEY IS ACCEPTED / PROGRAMMED

2014-2015> NISSAN ROGUE-

HOW TO EASILY IDENTIFY OLD BODY STYLE FROM NEW....

THE 2014-2015 ROGUE IS STILL BEING MANUFACTURED IN TWO “FLAVORS” OLD BODY STYLE (AKA ROGUE SELECT) & THE NEW BODY STYLE. ONLY THE NEW BODY STYLE IS USING THE 20 DIGIT SYSTEMS. THE OLD BODY STYLE STILL USE THE EARLIER BCM BASED CODES AND PROGRAMMING.

HERE’S HOW TO TELL IF IT’S A OLD BODY STYLE BCM SYSTEM OR THE NEWER BODY USING THE 20 DIGIT SYSTEM

LQQK AT THE DOOR HANDLES

BCM SYSTEM (OLD BODY)





NI04 TYPE REMOTE HEAD KEY & OLDER STYLE PROX

20 DIGIT SYSTEM (NEW BODY)



NOTICE THE DIFFERENT SHAPE & LOOK. ALSO, THE INDENT IN THE DOOR AROUND THE HANDLE.

THAT’S HOW YOU CAN EASILY IDENTIFY THE NEW BODY STYLE ROGUE.

NEW ROGUE WITH SWITCH-BLADE KEY OR NEW ROGUE WITH PROX FOB.



NOT INTERCHANGABLE WITH THE OLDER KEYS



WATCH VIDEO- HOW TO IDENTIFY NISSAN ROGUE

NEW BODY STYLE ROGUE W/ 20 DIGIT SECURITY & KEYED IGNITION





SPECIAL FUNCTIONS

This is a guided system.

Use the latest BETA available.

Select "BY VEHICLE" Then Select 20-DIGIT as the system.

Follow the tester prompts to completion.

PROGAM KEYS: Erases all currently programmed keys and programs the ones used in the procedure. (4 Keys Max.)

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-197	ADC-250 / ADC- 251 G (GREY) DONGLE
MAX # OF KEYS:	**SMART DONGLE?**
4	YES
KEYS:	**SECURITY:**
LOCK TO THE VEHICLE, CANNOT BE REUSED ON ANOTHER CAR.	20 DIGIT ROLLING CODE - NASTF. BYPASS W/ SMART DONGLE AND ADS-198SD SOFTWARE
	COMPONENTS MATCHED?
	YES
	MATCHING CAPABILITY?
	NO

SECURITY LIGHT / THEFT INDICATOR:

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

TIPS:

>HAVE ALL KEYS READY
>WATCH THE SECURITY LIGHT

NISSAN TECH INFO advises when programming on 20-DIGIT systems. Any already programmed keys should be introduced 1st followed by any new keys that you want to introduced.
We recommend following this advice.

MORE INFO:

TROUBLESHOOTING:

USE VERSION 12.52 OR HIGHER (BETA AT TIME OF PUBLISHING)

INCORRECT ACCESS CODE = CHECK THE PIN CODE OR CAR IS ALREADY IN LEARNING MODE

SOLID THEFT LIGHT = IF THEFT LIGHT GOES SOLID WITH ANY KEY, CHECK THE TRANSPONDER. THE LIGHT BLINKS 5 TIMES AS THE KEY ACCEPTED / PROGRAMMED.

2006-2008 INFINITI M35 & M45



SPECIAL FUNCTIONS

This is a guided system. Select BY VEHICLE
Follow the tester prompts to completion.

SELECT PROGAM PROX:

This will do the following:

Read BCM code from vehicle's memory.

Convert BCM Code to PIN.

Use Conversion Dongle (ADC-198)
or SmartDongle Conversion Software
(ADS198SD)

Once you have the BCM converted to a Pin Code the Pin Code is entered into the PRO
If the Pin Code is correct and is accepted by the car the PRO Releases Steering Lock mechanism & Programs the Prox Remote by stepping you thru a sequence. Follow the tester prompts carefully. Complete each step before pressing ENTER.

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-159	ADC-250 / ADC- 251 G (GREY) DONGLE
MAX # OF PROX KEYS:	**SMART DONGLE?**
4	YES
PROX KEYS:	**SECURITY:**
Re-usable	BCM LABEL CONVERTS TO PIN CODE 2007-2008< USE OLD PIN 2009> & NEWER, USE NEW PIN
	COMPONENTS MATCHED?
	MATCHING CAPABILITY?

SECURITY LIGHT / THEFT INDICATOR:

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



LOCK ACCESSORY ON



TIPS:

MORE INFO:

Prox Programming Slot is located on the lower left side of the dash.







TYPE 13
20 DIGIT SYSTEM





SPECIAL FUNCTIONS

This is a guided system. Follow the tester prompts to completion.

PROGAM PROX: Erases all currently prox keys and programs the ones used in the procedure. (4 Keys Max.)

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-197	ADC-250 / ADC- 251 G (GREY) DONGLE
MAX # OF KEYS:	**SMART DONGLE?**
4	YES
PROX KEYS:	**SECURITY:**
LOCK to the vehicle once programmed and cannot be re-used on another vehicle.	20 DIGIT ROLLING CODE - NASTF. BYPASS W/ SMART DONGLE AND ADS-198SD SOFTWARE
	COMPONENTS MATCHED?
	YES
	MATCHING CAPABILITY?
	NO

SECURITY LIGHT / THEFT INDICATOR:

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

TIPS:

>HAVE ALL KEYS READY
>WATCH THE SECURITY LIGHT

NISSAN TECH INFO advises when programming on 20-DIGIT systems. Any already programmed keys should be introduced 1st followed by any new keys that you want to introduced.
We recommend following this advice.

MORE INFO:

TROUBLESHOOTING:

USE VERSION 12.52 OR HIGHER (BETA AT TIME OF PUBLISHING)

INCORRECT ACCESS CODE = CHECK THE PIN CODE OR CAR IS ALREADY IN LEARNING MODE

SOLID THEFT LIGHT = IF THEFT LIGHT GOES SOLID WITH ANY KEY, CHECK THE TRANSPONDER. THE LIGHT BLINKS 5 TIMES AS THE KEY ACCEPTED / PROGRAMMED.

TYPE 13
20 DIGIT SYSTEM

INFO ABOUT KEYS

Always verify correct part number and application by VIN from a dealer.
Part numbers are often subject to change. There are some additional part numbers not listed here depending on vehicle equipment. I.E. Power hatch etc.

OEM Part #
285E3-3TP5A



OEM Part #
285E3-3TP0A



OEM Part #
285E3-3JA5A



The E-Key does
Not contain
A transponder.



FCC ID: KR5S180144014

WARNING: Do NOT waste your time and or MVP TOKENS trying to program PROX fobs that might have been already used on another car!

> These new PROX keys “LOCK” to the car once programmed.

> They cannot be re-used on any other car.

> We recommend purchasing these keys from a trusted supplier to ensure they are in fact brand new when you buy them.

> When programming ALL existing programmed keys are erased so make sure to gather any existing keys that you want to work and have them all ready when programming. Nissan recommends that if you have existing prox that you introduce the NEW prox as your first key or keys, followed by existing prox during the procedure.

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

> The programming procedure programs the PROX Fobs to start the car and operate the RKE. Make certain that the battery is good in the PROX remotes.

> Ensure that the battery voltage on the vehicle is at least 12.2 volts when programming. Use a jump pack or jumper cables from a running car if you need to boost the voltage.

TYPE 13
20 DIGIT SYSTEM

Use this method to: PROGRAM KEYS

VEHICLE SELECTION

LINCOLN
MERCURY
MITSUBISHI
> NISSAN
LEXUS / TOYOTA

VEHICLE SELECTION

AUS
EURO
USA
PIN CODE CONVERTOR

(Always Select USA)

VEHICLE SELECTION

TYPE 9
TYPE 10
TYPE 11
TYPE 12
> TYPE 13
NISSAN 2009



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

ADC-198SD SOFTWARE AVAILABLE FOR SMART DONGLE WILL BYPASS THE 20 DIGIT CODES

HAZARDS ON / IGNITION OFF

PRESS ENTER KEY

Make sure to turn on the "Hazard" lights - also known as the Emergency Flashers.

Make sure the Ignition is off.

ECU IDENTIFICATION

Part No. 3TA0Cad

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU

> PROGRAM PROX

PRESS ENTER KEY

WARNING

ALL KEYS WILL BE ERASED

DO YOU WANT TO CONTINUE

X ✔

IMMOBILIZER RESET REQUEST

A064-C456-A235-4555-FFC3
20-digit Out-Code
Use to obtain In-Code from
NASTF or DEALER

PRESS ENTER KEY

VERY IMPORTANT!

Once you have obtained the Out-Code from the car Do NOT disconnect the tester.

THE PRO MUST REMAIN CONNECTED UNTIL YOU OBTAIN A OUT-CODE (PIN CODE) FROM NISSAN.

If you have start over the Out-Code will change to a NEW Out-Code. Therefore It is absolutely necessary to stay connected until the Out-Code can be obtained.

Please Note:

We have displayed the Out-Code using dashes to make the 20-digit code much easier to read.
For Example:
A064-C456-A235-4555-FFC3
Instead of
A064C456A2354555FFC3

NISSAN'S NASTF WEBSITE & NISSAN DEALERS DO NOT USE DASHES WHEN ENTERING THE CODE AND ENTER ALL CAPITAL LETTERS.

GO TO STEP 2 ON THE NEXT PAGE

TYPE 13
20 DIGIT SYSTEM

How to obtain the code (if not using the bypass)



Security Professional Transaction Entry Form

Please enter the following information:

VIN :	ENTER VIN HERE
Security Professional Name :	ENTER YOUR NAME HERE
Customer Name :	ENTER YOUR CUSTOMERS NAME HERE
Name on the vehicle registration :	
License Plate number :	
State of License Plate :	Please select a state
LSID :	FTV45755
LSID Pass Code :	••••••••••••
Product :	Immobilizer Reset Request
Immobilizer PIN :	12345678910FFFFFFFFF What does this mean?

Caution: 20 character Pre-Pin is a rolling code. Do not disconnect the CONSULT from the vehicle until programming is completed.

Date and Time : 1/15/2013 11:21:20 PM

SUBMIT

VERY IMPORTANT:
ENTER ALL CAPITAL LETTERS.

If you have a valid N.A.S.T.F. Locksmith ID
Go to http://www.nissan-techinfo.com

Here is an example of what the NISSAN N.A.S.T.F. Portal looks like.
They offer several PAID options to help N.A.S.T.F. Participants obtain security codes.

This info is provided only to help guide and inform you about what is required to program 2013 Nissan/Infiniti vehicles at the time of this printing.

Please be advised:
AD Tech Support cannot help with obtaining Pin Codes or with the sign up process with N.A.S.T.F.

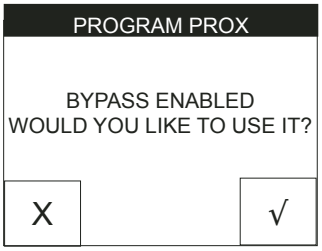
TYPE 13
20 DIGIT SYSTEM

NISSAN 20-DIGIT CODE BYPASS
NOW AVAILABLE FOR PRO & SMART DONGLE

Smart Dongle owners with our NISSAN ADS-197 & ADC-198SD Software can now "BYPASS" the 20 Digit Codes on TYPE 13 NISSAN and INFINITI vehicles.

(Use version 12.26 or higher)

Not much changes in how these cars are done using the BYPASS except instead of displaying an OUTCODE you will see a screen like this:

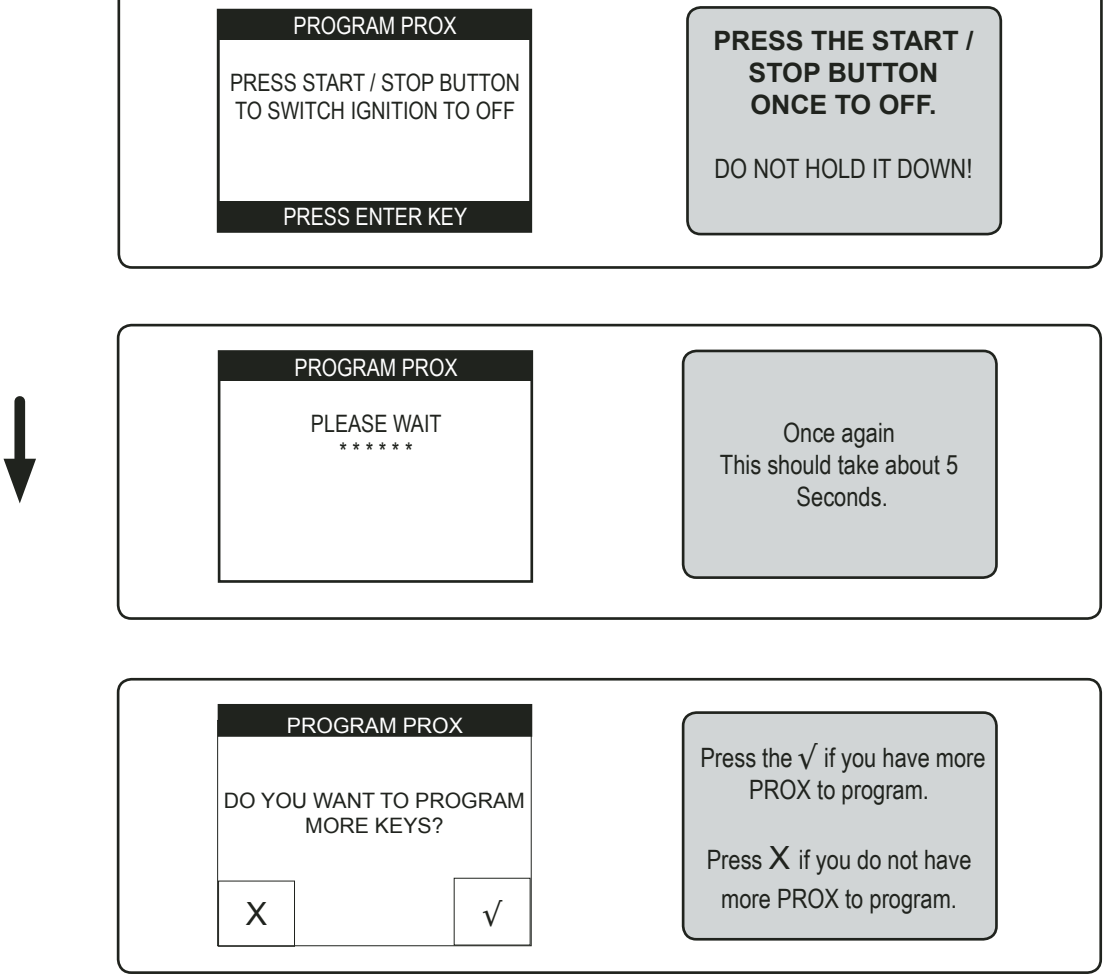


If you select the CHECK mark, the PRO will BYPASS the codes automatically.
If you select the X the unit will display the OUTCODE and allow you to enter the INCODE manually.

As an additional benefit the SMART DONGLE handles the SMART CARD calculation internally so this will save time and effort and make your job faster and easier than ever before!

TYPE 13
20 DIGIT SYSTEM

Use this method to: PROGRAM KEYS - Cont'd



> If you do not have any more PROX keys to program, continue to the next step.

> If you have more keys to program (up to 4 in total) follow the prompts on the PRO. It will have you repeat the last few steps and hold up the other PROX you want to program just like we did with the 1st PROX but the screen will say "hold up the "NEXT" PROX. You might want to number them so that you do not mix them up.

> It's important that the security light blink 5 times with each key as its accepted. If the light does not blink there is a problem, usually with the key (SEE TROUBLESHOOTING SECTION)

Continued on next page >

TYPE 13
20 DIGIT SYSTEM

Use this method to: PROGRAM KEYS - Cont'd

PROGRAM PROX	
DO YOU WANT TO PROGRAM MORE KEYS?	
X	√

Press the X on the screen.

PROGRAM PROX
PRESS THE BRAKE PEDAL & HOLD THE PROX UP TO THE START / STOP BUTTON. PRESS THE START/ STOP BUTTON ONCE & THE CAR SHOULD START
PRESS ENTER KEY

PROGRAM PROX
PRESS THE START / STOP BUTTON ONCE TO SWITCH THE IGNITION OFF
PROCEDURE COMPLETE
PRESS ENTER KEY



The dashboard should show the message in the photo above for a few seconds to confirm that the
KEY REGISTRATION IS COMPLETE.

TYPE 13
20 DIGIT SYSTEM

TROUBLESHOOTING

After the INCODE is entered or the BYPASS is selected there are just 2 possible outcomes:

1. The PRO displays-

WARNING: DO NOT PRESS THE BRAKE PEDAL PRESS & HOLD THE START / STOP BUTTON UNTIL THE IGNITION SWITCHES ON

>This means the system is now in "LEARN MODE" and the PRO will begin to walk you thru the steps that need to be completed using the key.

2. The PRO displays-

PROGRAM PROX
INCORRECT ACCESS CODE
PRESS ENTER KEY

> The InCode has not been accepted by the car. (the code entered is wrong)

> Disconnect and start over.

But, it could also mean:

The system is already in the learning / registration mode.
If the "warning do not depress the brake" screen displayed on a previous attempt then there is no point in trying to start over with the tool. The system is already in "LEARN MODE"
(what to do is shown next)

KEYS NOT BEING ACCEPTED?



If you have started the key registration procedure and now the car will not accept the new PROX.

What to do?

> IF when holding up the PROX & pressing the START/ STOP Button once, the security light does ***not*** blink 5 times & the car sounds a quick series of beeps.

The PROX has ***not*** been accepted. However, the car is most likely in the learning mode and should remain in learn mode until it is presented with a good prox.

More than likely, the wrong PROX part number is being used or you are trying to use a PROX that is "Locked" (Already programmed to another car and therefore CANNOT be programmed into the car you are working on.)

GET A NEW BRAND SPANKIN NEW KEY FROM A TRUSTED SOURCE!

See TROUBLESHOOTING on next page >>>>>>

TYPE 13
20 DIGIT SYSTEM

TROUBLESHOOTING

- **We have noticed problems all caused by trying to use "re-furbished" and or already used PROX KEYS on 20 Digit System cars.**
- **Sometimes in these cases it is difficult getting the customers original previously working PROX KEY to**
- **Program back in but in all cases we have seen, it is possible.**
- **<u>If you have tried to add a key and now the car won't accept the original key back in here is exactly what to do:</u>**

- Disconnect the PRO from the cars OBD port.
- Keep all keys clearly away from the vehicle (at least 20-30 feet) with the ignition off, cycle the emergency key in the door.
- The security key icon should begin flashing on and off on the dash, when this happens, you are now capable of completing the learning process.
- Leave one key clearly away from the vehicle (at least 20-30 feet).
- Make sure you leave your foot off the brake pedal.
- Take one key and using the logo end of the prox push in firmly on the start button.
- Continue to hold the logo end of the key near the start button -you should see the little orange light in the middle of the start button slightly flickering.
- The system is trying to read the key. You should also hear a series of beeps at the same time.
- Once the system completes reading you should see the security icon flash five times.
- You should then be able to push the remote buttons and see that they are operating.
- If you want to program more keys, Do not start the vehicle.
- Remove this prox from the vehicle at least 20-30 feet away
- If you have more keys to program bring the second prox into the vehicle and follow the same procedure for showing the car the new key and watching for the 5 blinks from the security light.
- Continue until you have programmed all the keys you want to (up to 4. Max).
- Upon completion START THE VEHICLE using the first key introduced and then turn the car OFF.
- The dash should display "Key registration complete"
- Test all keys.

NISSAN X-TRAIL
(A CANADIAN MARKET VEHICLE)



SPECIAL FUNCTIONS

PROGAM KEYS: Erases all currently programmed keys and programs the ones used in the procedure. (5 Keys Max.)

Select BY VEHICLE , if you don't see X-Trail on the beta menu select 2001-2004 Altima bladed.

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-112	ADC-250 / ADC- 251 A (BLACK) DONGLE
MAX # OF KEYS:	**SMART DONGLE?**
5	YES
KEYS:	**SECURITY:**
RE-USABLE	ICU TO PIN CODE (NUMBERS ON BOX AROUND IGNITION)
	COMPONENTS MATCHED?
	YES
	MATCHING CAPABILITY?
	NO

SECURITY LIGHT / THEFT INDICATOR:

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



DATE CODE
Ignore the last 2 digits, only enter the first 4 digits.

ENCRYPTED PIN CODE

TIPS:

>HAVE ALL KEYS READY
>WATCH THE SECURITY LIGHT

MORE INFO:

TROUBLESHOOTING:

USE VERSION 12.52 OR HIGHER (BETA AT TIME OF PUBLISHING)

INCORRECT ACCESS CODE = CHECK THE PIN CODE OR CAR IS ALREADY IN LEARNING MODE

SOLID THEFT LIGHT = IF THEFT LIGHT GOES SOLID WITH ANY KEY, CHECK THE TRANSPONDER. THE LIGHT BLINKS 5 TIMES AS THE KEY ACCEPTED / PROGRAMMED.

SIEMENS PIN CODE CONVERSION SOFTWARE (ONLY USED ON X-TRAIL IN US & CANADA)

Use this method to CONVERT CANADIAN X-TRAIL IMMO LABEL

Use either the ADC-241 adaptor or a vehicle's OBD port to power the unit.

START HERE:

Select:
+NISSAN
+PIN CODE CONVERTOR
+SIEMENS

PINCODE CONVERTOR

PRESS ENTER KEY

NISSAN PIN CODES

PLEASE ENSURE THAT THE NISSAN ADC-198 DONGLE OR THE SMART DONGLE IS FITTED AND THE TESTER IS BEING POWERED FROM THE VEHICLE OR USING THE ADC-241 ADAPTOR.

PRESS ENTER KEY

WARNING
ONE TOKEN
WILL BE USED

X ✔

IF USING MVP PRO SIEMENS CONVERSION WILL USE 1 TOKEN

NISSAN PIN CODES

PLEASE REFER TO THE MANUAL TO IDENTIFY THE DATE CODE AND ENCRYPTED PIN FROM THE IMMOBILISER MENU

PRESS ENTER KEY

PLEASE ENTER DATE CODE

1_1_9_

1	2	3	4	5
6	7	8	9	0



To change to letters on the keypad use the left and right arrow keys.

A	B	C	D	E
F	G	H	I	J



DATE CODE
Ignore the last 2 digits, only enter the first 4 digits.

ENCRYPTED PIN CODE

COUNTRY = MEXICO

DATE CODE

1 1 9 2
(This is just an example)

X ✔

ONCE YOU HAVE ENTERED THE DATE CODE SELECT THE CHECK MARK

NISSAN PIN CODES

Made in Mexico: 8568
Made in Germany: 8DE8
Made in Europe: 8DE8

PRESS ENTER KEY

ENCRYPTED PIN CODE

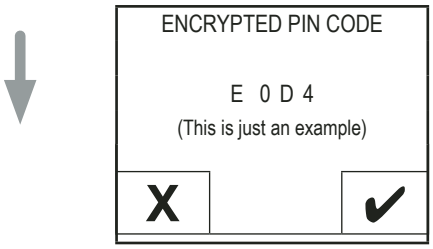
E 0 D _

A	B	C	D	E
F	G	H	I	J

CONTINUED ON NEXT PAGE

SIEMENS PIN CODE CONVERSION SOFTWARE

Use this method to CONVERT CANADIAN X-TRAIL IMMO LABEL - Cont'd



ONCE YOU HAVE ENTERED THE ENCRYPTED PIN PRESS ENTER TO CALCULATE



Use the conversion that matches the country on the label.
Canadian X-trail usually uses Mexico as in our example.

Example PIN CODE = 8DE8

ISUZU SECTION





T-CODE SOFTWARE PACKS:

Isuzu USA (ADS-135)

Find a Sales Representative Near You

2003-2004 AXIOM — ADS-135

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM Key #8-97319-552-0	Select Rodeo	No	Yes	No	**A**-Black Or SD

Note: PIN Code required from Isuzu.

2003-2004 RODEO — ADS-135

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM Key #8-97319-552-0	Select By Vehicle	No	Yes	No	**A**-Black Or SD

Note: PIN Code required from Isuzu.

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ISUZU
2003-2004
AXIOM - RODEO



SPECIAL FUNCTIONS

PROGRAM KEYS- Programs keys without erasing others.

CLEAR KEYS- Erases all keys from memory.

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-135	ADC-250 / ADC- 251 A (BLACK) DONGLE
MAX # OF KEYS:	**SMART DONGLE?**
5	YES
KEYS:	**SECURITY:**
Not Re-usable, lock once used.	4 DIGIT PIN CODE
	COMPONENTS MATCHED?
	YES
	MATCHING CAPABILITY?
	NOT AVAILABLE

SECURITY LIGHT / THEFT INDICATOR:

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

MORE INFO:

4 DIGIT PIN CODE REQUIRED
(Dealer or NASTF).

ISUZU
2003-2004
AXIOM - RODEO

Use this method to PROGRAM KEYS

Select:

+ISUZU
+OTHER
+RODEO
+2004-2010
+IMMOBILIZER
+TYPE 1



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

ISUZU RODEO IMMO.
ECU NO. : 97244759

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
LIVE DATA
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU

> PROGRAM KEYS
CLEAR KEYS

PROGRAM KEYS

INSERT KEY TO PROGRAM
SWITCH IGNITION ON

PRESS ENTER KEY

PROGRAM KEYS

IKEYS PROGRAMMED: 4AM
MAX 5 KEYS POSSIBLE

PRESS ENTER KEY

SECURITY CODE

_ _ _ _

SECURITY CODE

8 2 9 7
(JUST AN EXAMPLE)

IS CODE CORRECT
OK=ENTER CLEAR=BACK

Security Code = PIN CODE.

PROGRAM KEYS

ACCESS GAINED
8297

IS CODE CORRECT

PRESS ENTER KEY

PROGRAM KEYS

NEW KEY WITH
VIRGIN TRANSPONDER

YES=ENTER NO=BACK

PROGRAM KEYS

PROGRAM NEXT KEY

YES=ENTER NO=BACK

INSERT KEY TO PROGRAM
SWITCH IGNITION OFF

PRESS ENTER KEY

PROGRAM KEYS

SWITCH IGNITION ON

'BACK TO EXIT.

PROGRAM KEYS

ACCESS GAINED
SWITCH IGNITION ON

PRESS ENTER KEY

You are now done.

Disconnect from the vehicle and try your key(s).

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JAGUAR SECTION





T-CODE SOFTWARE PACKS:

Jaguar USA (ADS-151)

Jaguar - EURO (ADS-207)

Find a Sales Representative Near You

2003-2008 S-TYPE				ADS-151	
OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Tibbe (6-cut)	S-Type	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

2000-2002 S-TYPE				ADS-100	
OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Tibbe (6-cut)	HEC Ford	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD
NOTE: Although this is really a FORD system, you cannot use ADD-KEY (Only use ERASE KEYS) and you cannot use the FORD BYPASS (must wait 10min).					

2002-2008 X-TYPE				ADS-151	
OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Tibbe (6-cut)	Select by Vehicle	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

1998-2008 XJ				ADS- 151	
OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Key Required	Select by Vehicle	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

1997-2006 XK				ADS-151	
OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Key Required	Select by Vehicle	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

Jaguar - EURO (ADS-207) vehicles please see the UK I/Q mobile app for more info.

ADS-207 EURO MANUAL - CLICK HERE

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JAGUAR
2000-2002
S-TYPE





SPECIAL FUNCTIONS

This is variant of a FORD HEC system.

However, you must use CLEAR KEYS and you cannot use the 10 minute bypass.

CLEAR ERASE KEYS- Erases all keys from memory. Once procedure is finished, cycle 2 keys "ON" for 5 seconds each.

ADD KEY- DO NOT USE , ADD KEY will not work!

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-100	ADC-250 / ADC- 251 A (BLACK) DONGLE
MAX # OF KEYS:	**SMART DONGLE?**
8	YES
KEYS:	**SECURITY:**
Re-usable.	NO PIN CODE 10 MINUTE WAIT
	COMPONENTS MATCHED?
	YES
	MATCHING CAPABILITY?
	NOT AVAILABLE

SECURITY LIGHT / THEFT INDICATOR:

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

MORE INFO:

SEE FORD HEC SYSTEM
FOR PROGRAMMING ROUTINE.

VERY IMPORTANT:
DO NOT USE BYPASS
DO NOT USE ADD-KEY
NIETHER WILL WORK ON JAGUAR.

MAKE SURE YOU HAVE 2 KEYS READY!

Delta FO Manual Operation 4-Sided Automotive Keys

The Delta FO cuts by code the unique angles found on the 4-sided keys for Tibbe locks, as used on some models of Jaguar and Ford vehicles.

The machine is very simple to operate, easy to maintain, and provides superb cutting results!



- Specially designed vise jaws securely grip the uniquely shaped 6-space and 8-space Tibbe keys
- Simple spacing mechanism assures quick operation, and accurate results for both 6-space and 8-space Tibbe type keys.
- Dial type depth adjustment simplifies depth calibration process
- Direct drive cutter system eliminates v-belt and pulley maintenance
- Sealed ball bearing type drive motor
- Cobalt steel cutter extends service life
- "Soft Touch" nylon deburring brush
- Available 110V-AC

Find a Sales Representative Near You

JAGUAR
2003-2008 S-TYPE
2002-2008 X TYPE
XJ6 / XJ8 / XJR / SOVEREIGN



SPECIAL FUNCTIONS

CLEAR / PROGRAM KEYS- Erases all currently programmed keys and programs in 2 keys.

KEYS PROGRAMMED- Displays the number of keys stored in memory.

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-151	ADC-250 / ADC- 251 A (BLACK) DONGLE
MAX # OF KEYS:	**SMART DONGLE?**
6	YES
KEYS:	**SECURITY:**
Re-usable.	NO PIN CODE
	COMPONENTS MATCHED?
	YES
	MATCHING CAPABILITY?
	NOT AVAILABLE

SECURITY LIGHT / THEFT INDICATOR:

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

MORE INFO:

MAKE SURE YOU HAVE 2 KEYS READY!

JAGUAR
NEWER "S & X TYPE

Use this method to PROGRAM KEYS

Select:

+JAGUAR
+NORTH AMERICA
+SELECT YOUR MODEL (+X-TYPE OR S-TYPE, CHOOSE THE CAR YOU ARE WORKING ON)
SELECT YOUR YEAR RANGE, IE.+2003-2008
THEN SELECT:
IMMOBILIZER

MAKE SURE YOU HAVE 2 KEYS READY!



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

JAG CAN
INSTRUMENT PACK

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU

> CLEAR / PROGRAM KEYS
KEYS PROGRAMMED

CLEAR KEYS

WARNING
ALL KEYS WILL
CLEARED
CONTINUE

OK=ENTER CLEAR=BACK

PROGRAM KEYS

ALL KEYS CLEARED
KEYS PROGRAMMED:
MIN KEYS REQUIRED: 2

PRESS ENTER KEY

PROGRAM KEYS

INSERT NEXT KEY
SWITCH IGNITION ON

PROGRAM KEYS

IGN. KEY OFF, THEN ON
PRESS ENTER TO CONT.

PROGRAM KEYS

PLEASE INSERT
FIRST KEY
SWITCH IGNITION ON
PRESS ENTER TO CONT.

PROGRAM KEYS

KEYS PROGRAMMED: 2
COMPLETE

PRESS ENTER KEY

JAGUAR
'XJ6' / 'XJ8' / 'XJR' / 'SOVEREIGN'

Use this method to PROGRAM KEYS

Select:

+JAGUAR
+NORTH AMERICA
+SELECT YOUR MODEL (+XJ6 or XJR, CHOOSE THE CAR YOU ARE WORKING ON)
SELECT YOUR YEAR RANGE, IE.+2003-2008
THEN SELECT:
IMMOBILIZER

MAKE SURE YOU HAVE 2 KEYS READY!



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR

USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

JAGUAR BCM MOD

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU

> PROGRAM KEYS

PROGRAM KEYS

2 KEYS REQUIRED
KEYS TO BE PROGRAMMED MUST BE PRESENT
CONTINUE

OK=ENTER CLEAR=BACK

PROGRAM KEYS

ENSURE KEY IS REMOVED FROM IGNITION

PRESS ENTER KEY

PLEASE WAIT
ACCESS GAINED

PROGRAM KEYS

ENSURE KEY IS REMOVED FROM IGNITION

PRESS ENTER KEY

PROGRAM KEYS

PLEASE INSERT
1ST KEY
TO BE PROGRAMMED

PRESS ENTER KEY

PROGRAM KEYS

INSERT SECOND KEY
TO BE PROGRAMMED
PRESS ENTER

PRESS ENTER KEY

PROGRAM KEYS

TURN IGN ON / OFF
PRESS ENTER

PROGRAM KEYS

PROCEDURE COMPLETE
REMOVE KEY
WAIT

XX SECONDS

Wait for the tester to count-down.

PROGRAM KEYS

DISCONNECT TESTER
TEST KEY OPERATION

LAND ROVER SECTION





T-CODE SOFTWARE PACK:

Land Rover - (ADS-154)

Land Rover / Jaguar (ADS-207)

Land Rover - (ADS-154 & ADS-207) vehicles please see the UK I/Q mobile app for more info.



LAND ROVER EURO MANUAL - CLICK HERE

LEXUS SECTION


MVP U.S. Patent #7315238



T-CODE SOFTWARE PACKS:

Toyota & Lexus Basic (ADS-125)

Toyota & Lexus 2007 (ADS-150)

Toyota / Lexus 2010 (ADS-174)

Toyota 2013 (ADS-199)

Toyota & Lexus 2015 (ADS-227)

(Software names generally refer to the date of release on the T-CODE not the years of vehicles covered).



2011-2016 CT200H — ADS- 174

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	PROX 6	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black or Smat Dongle

2002-2003 ES300 — ADS-125

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
TOY48-BT4	TYPE 1	No	No	Not Needed	**A**-Black Or SD

1998-2001 ES300

Not supported. No OBD2 access. Engine control must be reprogrammed or key introduced by Eeprom

2004-2006 ES330 — ADS-125

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
TOY50-PT	TYPE 2	No	No	Not Needed	**A**-Black Or SD

Note: For lost key situations use “QUICK RESET IMMOBILIZER”

2013-2016 ES350 — ADS-174

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	PROX 6	A.D. Webcode required if not using Smart Card or Smart Dongle or Smart Dongle		Not Needed	**A**-Black Or SD

2007-2012 ES350 — ADS-150

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	PROX 1	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

2013-2015 GS200T — ADS- 174

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	PROX 6	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

2006 GS300 — ADS-150

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	PROX 1 OR PROX 2	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

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2002-2005 GS300 — ADS-125

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
TOY48-BT4	TYPE 1	No	No	Not Needed	**A**-Black Or SD

1998-2001 GS300

Not supported. No OBD2 access. Engine control must be reprogrammed or key introduced by Eeprom

2013-2016 GS350 — ADS-174

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	PROX 6	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

2007-2012 GS350 — ADS-150

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	PROX 1	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

Note: If PROX 1 does not communicate, try PROX 2.

1998-2000 GS400

Not supported. No OBD2 access. Engine control must be reprogrammed or key introduced by Eeprom

2006-2007 GS430 — ADS-150

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer PROX Required	PROX 1	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

2001-2005 GS430 — ADS-125

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
TOY48-BT4	TYPE 1	No	No	Not Needed	**A**-Black Or SD

2013-2016 GS450H — ADS- 174

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	PROX 6	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

2007-2012 GS450H — ADS-150

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	PROX 1	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

2012-2013 GS460 — ADS-174

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	PROX 6	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

2008-2011 GS460 — ADS-150

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	PROX 1	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

2010-2015 GX460 — ADS-174

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	PROX 6	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

2003-2009 GX460 — ADS-125

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
TOY50-PT	TYPE 2	No	No	Not Needed	**A**-Black Or SD
Note: For lost key situations use “QUICK RESET IMMOBILIZER”					

2003-2009 GX470 — ADS-125

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
TOY50-PT	TYPE 2	No	No	Not Needed	**A**-Black Or SD
Note: For lost key situations use “QUICK RESET IMMOBILIZER”					

2010-2013 HS250H — ADS- 174

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	PROX 6	REQUIRES AD SMART CARD CALCULATOR OR AD SMC APP OR SMART DONGLE (FASTEST METHOD)	NO PIN CODE REQUIRED SECURITY BUILT INTO THE SOFTWARE	Not Needed	**A**-Black Or SD

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2014-2016 IS250 — ADS-227

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	PROX 7	REQUIRES AD SMART CARD CALCULATOR OR AD SMC APP OR SMART DONGLE (FASTEST METHOD)		Not Needed	**A**-Black or **Smart Dongle**

2010-2013 IS250 — ADS-174

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	PROX 2	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

Note: If Prox 2 fails then use PROX 6

2006-2010 IS250 — ADS-150

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	PROX 2	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

2002-2005 IS300 — ADS-125

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
TOY48-BT4	TYPE 1	No	No	Not Needed	**A**-Black Or SD

2001 IS300

Not supported. No OBD2 access. Engine control must be reprogrammed or key introduced by Eeprom

2014-2016 IS350 — ADS-227

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	PROX 7	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black or **Smart Dongle**

2006-2013 IS350 — ADS-150

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	PROX 2	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

1997-2000 LS400

Not supported. No OBD2 access. Engine control must be reprogrammed or key introduced by Eeprom

2004-2006 LS430 with Proximity TWIST Ignition — ADS-125

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	TYPE 2	No	No	Not Needed	**A**-Black Or SD

Note: Only the immobilizer can be programmed with the PRO. Use on board programming to program the PROX
Note: For lost key situations use “QUICK RESET IMMOBILIZER”

2004-2006 LS430 - Keyed ignition systems — ADS-125

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
TOY50-PT	TYPE 2	No	No	Not Needed	**A**-Black Or SD

Note: For lost key situations use “QUICK RESET IMMOBILIZER”

2001-2003 LS430 — ADS-125

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
TOY50-PT	TYPE 2	No	No	Not Needed	**A**-Black Or SD

Note: For lost key situations use “QUICK RESET IMMOBILIZER”

2017 LS460 — ADS-227

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	PROX 7	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

2015-2016 LS460 — ADS-174

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	PROX 6	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

2007-2014 LS460 — ADS-150

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	PROX 1	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

2009-2016 LS600h — ADS-174

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	PROX 6	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

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2008 LS600H — ADS-150

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	PROX 1	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

2003-2007 LX470 — ADS-125

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
TOY50-PT	TYPE 2	No	No	Not Needed	**A**-Black Or SD

Note: For lost key situations use “QUICK RESET IMMOBILIZER”

2001-2002 LX470 — ADS-125

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
TOY48-BT4	TYPE 1	No	No	Not Needed	**A**-Black Or SD

1998-2000 LX470

Not supported. No OBD2 access. Engine control must be reprogrammed or key introduced by Eeprom

2010-2016 LX570 — ADS-150

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	PROX 1	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

2008-2009 LX570 — ADS-150

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	PROX 1	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

2015-2016 RC350 — ADS-227

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	PROX 7	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black or **Smart Dongle**

1999-2003 RX300

Not supported. No OBD2 access. Engine control must be reprogrammed or key introduced by Eeprom

2004-2006 RX330 — ADS-125

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
TOY50-PT	TYPE 2	No	No	Not Needed	**A**-Black Or SD

Note: For lost key situations use “QUICK RESET IMMOBILIZER”

2010-2015 RX350 — ADS-174

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	PROX 6	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

2007-2009 RX350 / RX400H — ADS-125

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
TOY50-PT	TYPE 2	No	No	Not Needed	**A**-Black Or SD

Note: For lost key situations use “QUICK RESET IMMOBILIZER”

2010-2011 RX350H — ADS-174

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer or distributor for correct part to use	PROX 6	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

1998-2000 SC300 / SC400

Not supported. No OBD2 access. Engine control must be reprogrammed or key introduced by Eeprom

2002-2010 SC430 — ADS-125

OEM / ILCO / /	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
TOY50-PT	TYPE 2	No	No	Not Needed	**A**-Black Or SD

2010-2011 RX450H — ADS-174

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer PROX Required	PROX 6	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

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LEXUS
KEYED IMMOBILIZER
TYPE 1





SPECIAL FUNCTIONS

RESET IMMOBILIZER- This function allows you to erase all keys and to place the immobilizer in the "Auto Learn Mode". This function is used when the customer has lost all their keys.

ADD MASTER KEY- This function allows you to add a Master key to the car's immobilizer system as long as you have an existing pre-programmed Master key to start with. On Type 1 system cars it is possible to program a key in as a Valet or as a Master

ADD VALET KEY- This function allows you to add a Valet key to the car's immobilizer system as long as you have an existing pre-programmed Master key to start with. The vehicle's immobilizer system cannot tell the difference between the transponder chip in the key,
so it is possible to program a Master as a Valet into the immobilizer system.

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

MORE INFO:

ALL Lexus TYPE 1 use 4C transponder chips in the keys.
The same 4C chip can be programmed into the car as a **MASTER** or as a **VALET** key.

A key that is programmed as a VALET cannot be used to introduce more keys into the system with the MVP or T-Code.

How to tell if a programmed key is a MASTER or a VALET?

Valet key- when first inserted into the ignition lock, the Security Light will stay on for 2 seconds and then stay off.

Master key- when inserted into the ignition lock, the Security Light will not illuminate at all.

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-125	ADC-250 / ADC- 251 A (BLACK) DONGLE
MAX # OF KEYS:	**SMART DONGLE?**
8	YES
KEYS:	**SECURITY:**
Re-usable.	NO PIN CODE
	COMPONENTS MATCHED?
	YES
	MATCHING CAPABILITY?
	NOT AVAILABLE

SECURITY LIGHT / THEFT INDICATOR:

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

LEXUS
KEYED IMMOBILIZER
TYPE 1

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

Select:

+LEXUS
+BY SYSTEM
+IMMOBILIZER
+TYPE 1



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

LEXUS / TOYOTA TYPE 1

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

WARNING:
OPEN THE DRIVERS DOOR & MAKE SURE IT STAYS OPEN UNTIL COMPLETED!

DIAGNOSTIC MENU

> RESET Immobilizer
ADD MASTER KEY
ADD VALET KEY
ERASE KEYS

Note: This will cause ALL keys to be erased and put the Immobilizer system into “Auto Learn” mode.

RESET Immobilizer

GAINING ACCESS

TIME REQUIRED 16:00
TIME ELAPSED 0:28

Note: Do not be impatient.
Some vehicles may go over 16 minutes.
If the timer goes over 35 minutes - stop.
Disconnect from the OBD2 port and remove the key. Wait 20 sec. and start over.

RESET Immobilizer

PROCEDURE COMPLETE

PRESS ENTER KEY

Once you have PROCEDURE COMPLETE on the tester, look at the immobilizer light.

The Security Light can be in 2 shapes:
> A small blinking red circle next to the word “Security”.



> A blinking red light in the shape of a car.



The light should now be solid indicating that the Immobilizer system has been Reset and the vehicle is now in Auto Learn mode Insert each key you want to program - but do not turn the key ON, only insert and remove after 5 seconds.

The vehicle may learn up to 3 keys this way and the Auto Learn mode should close once the 3rd key is presented. The last key presented will be programmed in as Valet key.

If you have less than 3 keys to program You can close the Auto Learn mode early by pressing the brake pedal 6-8 times, very fast. (You must use a Master key for this.)

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LEXUS
KEYED IMMOBILIZER
TYPE 1

ADD MASTER KEY
(You must have a programmed MASTER KEY to perform this procedure)

Insert a Master key that is already registered into the vehicle. Turn the ignition lock to the "ON" position. The Security Light must be out when the key is in.

NOTE: If you do not have an existing Master key, you must use the "Reset Immobilizer" procedure to Reset the Immobilizer system. A Valet key will not work as a substitute for a Master Key.

Select:

+LEXUS
+BY SYSTEM
+IMMOBILIZER
+TYPE 1



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

LEXUS/TOYOTA TYPE 1

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU

RESET Immobilizer
> ADD MASTER KEY
ADD VALET KEY
ERASE KEYS

ADD MASTER KEY

WARNING
FOLLOW NEXT SCREENS
QUICKLY & CAREFULLY

PRESS ENTER KEY

ADD MASTER KEY

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

ADD MASTER KEY

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

ADD MASTER KEY

TIME ELAPSED: 2 S

Note: This usually takes about 60 seconds. If the timer goes past 120 seconds, stop. The key is most likely now programmed. Disconnect & try key.

ADD MASTER KEY

PROCEDURE COMPLETE

TIME ELAPSED: 59 S

PRESS ENTER KEY

Note: If you get an Error message screen: disconnect from the OBD2 port and remove the key. Wait 20 seconds and start over. On this Type, each key must be added separately. Disconnect from the OBD2 port and remove the key. Wait 20 seconds and start over to add another key.

Note: Read carefully & follow the screen prompts.

LEXUS
KEYED IMMOBILIZER
TYPE 1

ADD VALET KEY
(You must have a programmed MASTER KEY to perform this procedure)

Insert a Master key that is already registered into the vehicle. Turn the ignition lock to the "ON" position. The Security Light must be out when the key is in.

NOTE: If you do not have an existing Master key, you must use the "Reset Immobilizer" procedure to Reset the Immobilizer system. A Valet key will not work as a substitute for a Master Key.

Select:

+LEXUS
+BY SYSTEM
+IMMOBILIZER
+TYPE 1



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

LEXUS/LEXUS TYPE 1

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU

RESET Immobilizer
ADD MASTER KEY
> ADD VALET KEY
ERASE KEYS

ADD VALET KEY

WARNING
FOLLOW NEXT SCREENS
QUICKLY & CAREFULLY

PRESS ENTER KEY

ADD VALET KEY

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

ADD VALET KEY

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

ADD VALET KEY

TIME ELAPSED: 2 S

Note: This usually takes about 60 seconds. If the timer goes past 120 seconds, stop. The key is most likely now programmed. Disconnect & try key.

ADD VALET KEY

PROCEDURE COMPLETE

TIME ELAPSED: 59 S

PRESS ENTER KEY

Note: If you get an Error message screen, disconnect from the OBD2 port and remove the key. Wait 20 seconds and start over. On this Type, each key must be added separately. Disconnect from the OBD2 port and remove the key. Wait 20 seconds and start over to add another key.

Note: Read carefully & follow the screen prompts.

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LEXUS
KEYED IMMOBILIZER
TYPE 1

ERASE KEYS
(You must have a programmed MASTER KEY to perform this procedure)

Insert a Master key that is already registered into the vehicle. Turn the ignition lock to the “ON” position. The Security Light must be out when the key is in.

NOTE: If you do not have an existing Master key, you must use the “Reset Immobilizer” procedure to Reset the Immobilizer system. A Valet key will not work as a substitute for a Master Key.

Select:

+LEXUS
+BY SYSTEM
+IMMOBILIZER
+TYPE 1



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

LEXUS TYPE 1

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU

RESET Immobilizer
ADD MASTER KEY
ADD VALET KEY
> ERASE KEYS

ERASE KEYS

WARNING
FOLLOW NEXT SCREENS
QUICKLY & CAREFULLY

PRESS ENTER KEY

ERASE KEYS

SWITCH IGNITION OFF
REMOVE MASTER KEY
WITHIN 10 Sec

TIME ELAPSED: 1 S

ERASE KEYS

INSERT MASTER KEY
SWITCH IGNITION ON

PRESS ENTER KEY

PLEASE WAIT
TRYING TO COMMUNICATE

ERASE KEYS

PROCEDURE COMPLETE

PRESS ENTER KEY

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

Wait 20 seconds and start over.

LEXUS
KEYED IMMOBILIZER
TYPE 2



SPECIAL FUNCTIONS

QUICK RESET IMMOBILIZER- This function erase all keys and "instantly" places the immobilizer in "Auto Learn Mode". This function is used when the customer has lost all their keys.

CAUTION: AT LEAST 1 CHIP USED MUST BE A MASTER TYPE CHIP.

PROGRAM KEY- This function allows you to add A MASTER OR VALET to the car's immobilizer system as long as you have an existing pre-programmed Master key to start with.

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

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-125	ADC-250 / ADC- 251 A (BLACK) DONGLE
MAX # OF KEYS:	**SMART DONGLE?**
5 Master 3 Valet 8-Total	YES
KEYS:	**SECURITY:**
4D TRANSPONDER CHIPS ARE RE-USABLE. THEY COME IN TWO TYPES: MASTER & VALET.	NO PIN CODE
	COMPONENTS MATCHED?
	NO
	MATCHING CAPABILITY?
	N/A

SECURITY LIGHT / THEFT INDICATOR:

Observing the security light is critical to success when working on LEXUS TYPE 2 Immobilizer systems.

MORE INFO:

How to tell if a programmed key is a MASTER or a VALET?

Valet key- when first inserted into the ignition lock, the Security Light will stay on for 2 seconds and then stay off.

Master key- when inserted into the ignition lock, the Security Light will not illuminate at all.

This test assumes that you have programmed keys! If not a cloner can be used to determine the type of chip inside the keys.



2004 LX470



2004 GS430



2004 GX470



2003 SC430



2004 ES330



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LEXUS
KEYED IMMOBILIZER
TYPE 2

"Quick" RESET Immobilizer
(Use this method if you have no Master Keys.)

ONLY A MASTER CHIP CAN BE USED HERE!
A VALET CHIP/KEY WILL NOT WORK!

Select:

+LEXUS
+BY SYSTEM
+IMMOBILIZER
+TYPE 2

DIAGNOSTIC MENU

RESET Immobilizer
PROGRAM KEY
ERASE KEYS
> QUICK RESET Immobilizer

PRESS ENTER KEY

make sure to pick QUICK RESET.

The old TIMED reset is still there but is no longer needed! Why wait when you don't have to!



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWITCH IGNITION ON

PRESS ENTER KEY

AFTER PRESSING "ENTER"
DO NOT WATCH THE TESTER,
WATCH FOR A SOLID SECURITY LIGHT!

Most of the time you will see PROCEDURE COMPLETE message on the tester. However, sometimes the car does not signal the tester that the immobilizer has been reset and you may see COMMUNICATION FAILED on the screen.

IF YOU DON'T HAVE A SOLID THEFT LIGHT REMOVE THE KEY AND LOOK AGAIN!

ECU IDENTIFICATION

LEXUS/TOYOTA TYPE 2

PRESS ENTER KEY

RESET Immobilizer

PROCEDURE COMPLETE
WATCH FOR
SOLID THEFT LIGHT

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
LIVE DATA
ACTUATORS
> SPECIAL FUNCTIONS

ONCE YOU HAVE A SOLID IMMOBILIZER LIGHT THE SYSTEM IS IN "AUTO LEARN MODE"

WARNING:
OPEN THE DRIVERS DOOR & MAKE SURE IT STAYS OPEN UNTIL COMPLETED!

LEXUS
KEYED IMMOBILIZER
TYPE 2

"Quick" RESET Immobilizer - Cont'd
What to do once the RESET is completed and the theft light is solid

WHAT TO DO ONCE THE THEFT LIGHT GOES SOLID

>"Auto Learn Mode" is indicated by the steady illumination of the Security Light.
>Once you see a solid theft light. Insert each key you want to program - but do not turn the key ON - only insert each key and remove after 5 seconds.
>The vehicle should accept 2 Master Keys and 1 Valet key in this manner.
>After the 3rd key - 2 Master Keys & 1 Valet Key "Auto Learn Mode" should close automatically.
>If you want to ADD more Master or Valet Keys , perform the PROGRAM KEY PROCEDURE.

HOW TO PROGRAM ONLY 1 KEY AFTER A RESET:

>You can close the cycle early after only 1 or 2 keys are inserted by turning the ignition lock from Off to On and back to Off 6-8 times, very fast, with a Master key.
>Remove the key and re-insert it and the Security Light should be completely out when there is a programmed key in the ignition.

HOW TO PROGRAM MORE THAN 2 MASTER KEYS:

>You can have up to 5 Master Keys and 3 Valet Keys.
>Once you have at least 1 programmed master key or two master keys and you want to add more use one of the masters using the PROGRAM KEY PROCEDURE to ADD MORE KEYS.

WHAT TO DO IF THE THEFT LIGHT WAS SOLID BUT NOW BLINKS AND WILL NOT SHUT OFF:

>Insert a key with a valid transponder leave the IGNITION OFF for 5 seconds. Turn the ignition lock from Off to On and back to Off 6-8 times, very fast, This should program as a MASTER KEY and close the cycle . If this does not work, check the chip in the key you are trying to use. It may be incorrect.

>Check the Key Warning Buzzer , it must be functioning properly for Key Learning.

>If the theft light blinks a "2 blinks then 1 blink" repeat pattern, this usually means the chip is incorrect.

>Once in the Auto Learn Mode the system will remain in this mode until a key - or keys is successfully learned. Even if you disconnect the battery on the vehicle and return much later the system will still be in Auto Learn Mode.

>If you try and perform an Immobilizer Reset and the system is already in Auto Learn Mode you will get "ERROR" on the tester.

>It is a good idea to keep a spare Valet Key handy. We have seen instances when the Auto Learn Mode would not close until 2 Master Keys and a Valet Key are learned. It never hurts to be prepared! If you end up needing a Valet Key, you won't have to give it to the customer, keep it for the next time. Since Toyota Keys don't need to be turned in the ignition for learning you won't even have to cut it.

LEXUS
KEYED IMMOBILIZER
TYPE 2

ADD MASTER or VALET KEY
(Use this method if you have at least 1 Master Key)

WARNING: If you do not have an existing Master key, you must use the "Reset Immobilizer" procedure to Reset the Immobilizer. A Valet key will not work as a substitute for a Master Key.

Insert a Master key that is already registered into the vehicle. Turn the ignition lock to the "ON" position. The Security Light must be out when the key is in. Connect and follow screens.

Select:

+LEXUS
+BY SYSTEM
+IMMOBILIZER
+TYPE 2



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

LEXUS / TOYOTA TYPE 2

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
LIVE DATA
ACTUATORS
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU

RESET Immobilizer
> PROGRAM KEY
ERASE KEYS

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

PROGRAM KEY

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

PROGRAM KEY

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

PROGRAM KEY

PLEASE WAIT

TIME ELAPSED: 2 S

This usually takes about 60 seconds.
If the timer goes past 120 seconds the Pro may not have received a signal from the car, try the key.

PROGRAM KEY

PROCEDURE COMPLETE

TIME ELAPSED: 59 S
PRESS ENTER KEY

LEAVE IGNITION OFF HERE!!

If Program Key goes all the way thru to procedure complete without any error and yet the car does not start.
The key memory may be full.
Solution: Use erase key and then add any keys you have back in.

LEXUS
KEYED IMMOBILIZER
TYPE 2

ERASE KEYS
(Use this method if you have at least 1 Master Key)

Insert a Master key that is already registered into the vehicle. Turn the ignition lock to the “ON” position. The Security Light must be out when the key is in. Connect and follow screens.

NOTE: If you do not have an existing Master key, you must use the “Reset Immobilizer” procedure to Reset the Immobilizer system. A Valet key will not work as a substitute for a Master Key.

Select:

+LEXUS
+BY SYSTEM
+IMMOBILIZER
+TYPE 2



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

TOYOTA LEXUS TYPE 2

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
LIVE DATA
ACTUATORS
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU

RESET IMMOBILISER
PROGRAM KEY
> ERASE KEYS

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

PLEASE WAIT
TRYING TO COMMUNICATE

ERASE KEYS

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

ERASE KEYS

PROCEDURE COMPLETE

PRESS ENTER KEY

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

WHEN COMPLETED WITH THIS PROCEDURE ONLY THE 1 KEY USED IS PROGRAMMED.
ONLY A MASTER CHIP CAN BE USED.

A VALET CHIP WILL NOT WORK!

Lexus RKE Programming

GRID INDEX

- Only the models listed are supported- (all others use ON BOARD PROGRAMMING METHODS)

LEXUS MODELS	YEARS	SYSTEM TYPE	S/W T-CODE
GS300	1998-2001	REMOTE 2	ADS-125
GS300	2002-2005	REMOTE 3	ADS-125
GS430	2001-2005	REMOTE 3	ADS-125
GX470	2003-2009	REMOTE 2	ADS-125
IS300	2001-2005	REMOTE 3	ADS-125
LS400	1998-2000	REMOTE 2	ADS-125
LS430	2001-2003	REMOTE 1	ADS-125
LS430 Keyed Ignition with Remote Head Key	2004-2006	REMOTE 1	ADS-125
LS430 Smart Entry Prox	2004-2006	On-Board Procedure- (See Below) Not supported by tool or Tech Support	
LS430	2006-2007	REMOTE 3	ADS-125
LX470	2003-2007	REMOTE 2	ADS-125
RX300	1999-2003	REMOTE 2	ADS-125
RX330	2004-2006	REMOTE 2	ADS-125
RX350	2007-2009	REMOTE 3	ADS-125
RX400	2006-2008	REMOTE 2	ADS-125
SC430	2002-2010	REMOTE 1	ADS-125

On-Board Procedure

For Smart Entry LS430 and other models not listed here

Included here as a courtesy, Not supported by Tech Support.

1. Driver's door open, all other doors closed, key removed from ignition switch.
   Within 5 seconds:
   Insert and remove the key from the ignition switch twice.

2. Within 40 seconds:
   Close and open driver's door twice.
   Insert and remove the key from the ignition switch.

3. Within 40 seconds:
   Close and open driver's door twice.
   Insert the key into the ignition switch and close the driver's door.

4. Switch ignition ON and OFF:
   A. Once to program a key remote transmitter code whilst retaining the original codes.
   B. Twice to program a key remote transmitter code whilst erasing the original codes.
   C. Three times to check how many key remote transmitters are currently registered.
   D. Five times to erase all registered codes.

5. Remove key from ignition switch. System should now lock and unlock vehicle
   once, twice or five times depending which mode has been selected. One to four
   times, slowly, to indicate number of key remote transmitters registered.

6. Within 40 seconds:
   Press and hold LOCK and UNLOCK buttons simultaneously for 1.5 seconds.
   Within 3 seconds: Press any key remote transmitter button.

   System should now lock and unlock vehicle once to confirm registration or twice
   to indicate registration has failed.

7. Within 40 seconds:
   To program additional remotes repeat step 60 now on each additional
   remote you want programmed.
8. To exit programming mode open driver's door or insert key into ignition.

9. Step out of car with remote(s) in hand and test remote(s).

Lexus RKE Programming

Use this method to PROGRAM THE REMOTE KEYLESS ENTRY

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

Select:

+LEXUS
+BY SYSTEM
+REMOTES
+TYPE 1 , 2, OR 3

Note: Use the Lexus Remote Type found on the Wireless Grid chart.



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

Note: Use the Lexus Remote Type found on the Wireless Grid chart.

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

TOYOTA LEXUS REMOTE

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
ACTUATORS
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU

> PROGRAM REMOTE
ERASE REMOTES

PROGRAM REMOTE

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

PRESS ENTER KEY

Note:
Follow the Screen prompts.

PROGRAM REMOTE

FOLLOW NEXT SCREENS QUICKLY & CAREFULLY

COMPLETE OPERATION WITHIN 30 Sec. AFTER PRESSING ENTER

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 the Lock or Unlock button for 1 second. You must be fast on the button operation.

PROGRAM REMOTE

PROCEDURE COMPLETE

PRESS ENTER KEY

REPEAT THIS PROCEDURE FOR UP TO 4 REMOTES.

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Lexus RKE Programming

Use this method to ERASE REMOTE KEYLESS ENTRY

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

Select:

+LEXUS
+BY SYSTEM
+REMOTES
+TYPE 1 , 2, OR 3

Note: Use the Lexus Remote Type found on the Wireless Grid chart.



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

Note: Use the Lexus Remote Type found on the Wireless Grid chart.

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

TOYOTA LEXUS
REMOTE

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
ACTUATORS
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU

PROGRAM REMOTE
> ERASE REMOTES

ERASE REMOTES

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

PRESS ENTER KEY

Note:
Follow the Screen prompts.

ERASE REMOTES

FOLLOW NEXT SCREENS
QUICKLY & CAREFULLY

COMPLETE OPERATION
WITHIN 30 Sec.
AFTER PRESSING ENTER

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 the Lock or Unlock button for 1 second. You must be fast on the button operation.

ERASE REMOTES

PROCEDURE COMPLETE

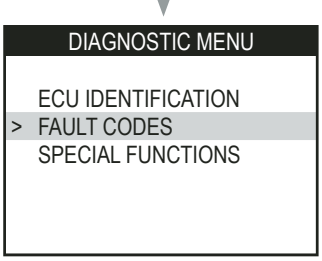
PRESS ENTER KEY

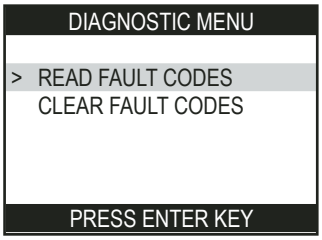
Note: All the Remotes are now erased except for the one you used to complete this operation.

WHEN COMPLETED WITH THIS PROCEDURE ONLY THE 1 REMOTE USED IS PROGRAMMED.

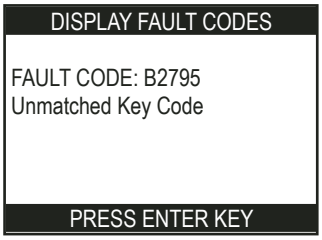
LEXUS
Fault Codes / Diagnostic Trouble Codes (DTC's

READ FAULT CODES

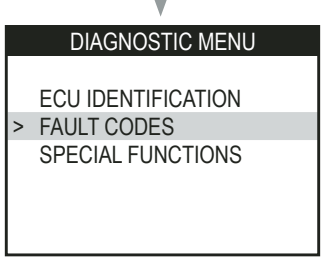


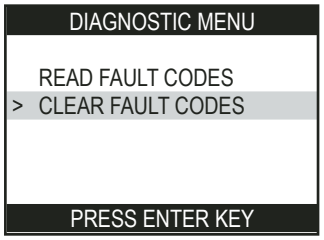


Depending on how many fault codes are set will depend on how many screens are displayed. One example is shown below.



CLEAR FAULT CODES





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



Known Fault Codes:

B1242
Wireless Door Lock Tuner Circuit Malfunction

B2780
Push Switch/Key Unlock Warning Switch Malfunction

B2784
Antenna Coil Open/Short

B2793
Transponder Chip Malfunction

B2794
Unmatched Encryption Code

B2795
Unmatched Key Code

B2796
No Communication in Immobiliser System

B2797
Communication Malfunction No.1

B2798
Communication Malfunction No.2

B2799
Engine Immobiliser System Malfunction

If a DTC keeps coming back after clearing and after cycling the IGNITION ON and then OFF this indicates the fault is a system malfunction that needs to be fixed.

LEXUS
PROX SYSTEMS
PROX 1 / PROX 2 / PROX 6 / PROX 7



SPECIAL FUNCTIONS

RESET IMMOBILIZER- This function erases all keys.This function is used when the customer has lost all their keys.

PROGRAM KEY- This function allows you to add a PROX to the car's immobilizer system. Must have an existing programmed PROX key to start the procedure with.

NOTE: Only brand new virgin Prox can be added. If the PROX is one that is compatable but previously used on another car it can (in most but not all cases) be added successfully. However, an IMMOBILIZER RESET must be performed first and the used PROX introduced as the 1st prox programmed.

ERASE KEYS- This function allows you to erase all PROX keys except the one used during the procedure. Cannot be used without a working/programmed PROX.

T-CODE SOFTWARE #	CABLE / DONGLE:
PROX 1 & 2 - ADS-150 PROX 6 - ADS-174 PROX 7 - ADS-227	ADC-250 / ADC- 251 A (BLACK) DONGLE
MAX # PROX KEYS:	**SMART DONGLE?**
4	YES
PROX KEYS:	**SECURITY:**
Re-usable. (SEE NOTE)	NO PIN CODE
	COMPONENTS MATCHED?
	YES
	MATCHING CAPABILITY?
	NONE

SECURITY LIGHT / THEFT INDICATOR:

Light should be out anytime a programmed PROX is in the vehicle.

MORE INFO:

DRIVERS DOOR- Must be kept open during entire RESET procedure.

VEHICLE VOLTAGE- It's critical for success that the voltage be 12 volts or above. Use jumper cables or a battery pack whenever possible to boost voltage even if you think it's not needed.
This will help avoid failure, especially during a 16 minute RESET.

PROX BATTERY- Its necessary to have a good battery in ALL the PROX being used for these procedures. Replace it with a fresh one if there is any doubt.

HAVE ONLY 1 PROX AT TIME IN THE CAR WHEN PROGRAMMING- they can interfere with one another so keep them separate and only have one new one in the car during programming.

PROX CIRCUIT BOARDS MUST MATCH -
Some prox have the same part # and or FCC ID on the case but contain different circuit boards.
Open them up and compare when possible.

QUICK TIPS-

-YOU MUST HAVE A WORKING KEY OR OR YOU MUST PERFORM A RESET

-PROX MUST BE BRAND NEW OR YOU MUST PERFORM A RESET

-MAKE SURE KEY IS THE CORRECT PART # AND CIRCUIT BOARD INSIDE

-CHECK / REPLACE BATTERIES IN KEYS

-ENSURE VOLTAGE IS KEPT UP WHEN PERFORMING PROCEDURES, USE JUMP PACK OR JUMPER CABLES 16 MINUTES ON A RESET CAN EASILY DRAW DOWN THE VEHICLE BATTERY IF IT'S NOT BOOSTED.

PROX SYSTEMS
PROX 1 / PROX 2 / PROX 6 / PROX 7

RESET IMMOBILIZER
Use this method if you have no programmed PROX

Select:

+LEXUS
+BY SYSTEM
+PROXIMITY
+TYPE 1 , 2, 6, 7

Use the Key Look up guide for proper system selection.



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

LEAVE IGNITION OFF

PRESS ENTER KEY

ECU IDENTIFICATION

SMART KEY

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
ACTUATORS
> SPECIAL FUNCTIONS

WARNING:
OPEN THE DRIVERS DOOR & MAKE SURE IT STAYS OPEN UNTIL COMPLETED!

DIAGNOSTIC MENU

PROGRAM KEY
ERASE KEYS
> RESET Immobilizer
ID REG ENG START
ID REG SMART BOX

RESET Immobilizer

PLEASE ENSURE THAT THE DRIVER DOOR IS OPEN DURING THE PROCEDURE

PRESS ENTER KEY

RESET Immobilizer

GAINING ACCESS

TIME REQUIRED 16:00
TIME ELAPSED 0:28

BACK' TO EXIT

RESET Immobilizer

PROCEDURE COMPLETE

PRESS ENTER KEY

Now that the immobilizer has been RESET go to PROGRAM KEYS on the menu

DIAGNOSTIC MENU

> PROGRAM KEY
ERASE KEYS
RESET Immobilizer
ID REG ENG START
ID REG SMART BOX

PROGRAM KEYS

NUMBER OF KEYS
0 (4 MAX)

PRESS ENTER KEY

PROGRAM KEYS

TOUCH ENGINE SW
WITH EMBLEM SIDE
OF REGISTERED KEY

TIME 30
BACK' TO EXIT

Touch the Emblem side of the PROX Remote to the START Button on the dash. The Emblem side is the side without the buttons on it and has either the LEXUS or Lexus symbol on it.

Continued on next page >

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PROX SYSTEMS
PROX 1 / PROX 2 / PROX 6 / PROX 7

RESET IMMOBILIZER
Use this method if you have no programmed PROX



PROGRAM KEYS

KEY DETECTED
REMOVE KEY

TIME 30
BACK' TO EXIT

If the Prox is not detected:

1. Check that it's the correct part number. (Many look a like but are incompatible)
2. That the battery inside the prox is new.
3. That the battery voltage on the vehicle is at least 12 volts.

PROGRAM KEYS

TOUCH ENGINE SW
WITH EMBLEM SIDE
OF REGISTERED KEY

TIME 28
PRESS ENTER TO CONT.

If you have more to program, touch the next one to the START Button, otherwise press ENTER on the tester to finish the procedure.

PROGRAM KEYS

PLEASE WAIT

BACK' TO EXIT

PROGRAM KEYS

PROCEDURE COMPLETE

NUMBER OF KEYS
1

PRESS ENTER KEY

PROX SYSTEMS
PROX 1 / PROX 2 / PROX 6 / PROX 7

ADD ADDITIONAL PROX - (PROGRAM KEY)
MUST HAVE AT LEAST 1 PROGRAMMED PROX - OTHERWISE MUST RESET

Select:

+LEXUS
+BY SYSTEM
+PROXIMITY
+TYPE 1 , 2, 6, OR 7

Use the Key Look up guide for proper system selection.



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

LEAVE IGNITION OFF
PRESS ENTER KEY

ECU IDENTIFICATION
SMART KEY
PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
ACTUATORS
> SPECIAL FUNCTIONS

"USED PROX KEY WARNING"
Only BRAND NEW keys can be added successfully 100%.
If the prox is a used key (from another car) it can usually still be programmed but ONLY by first performing a RESET IMMOBILIZER and introducing the used key 1st, followed by ADDING any already programmed keys back in.

DIAGNOSTIC MENU
> PROGRAM KEY
ERASE KEYS
RESET Immobilizer
ID REG ENG START
ID REG SMART BOX

PROGRAM KEYS
NUMBER OF KEYS
2 (4 MAX)
PRESS ENTER KEY

PROGRAM KEYS
TOUCH ENGINE SW
WITH EMBLEM SIDE
OF REGISTERED KEY
TIME 30
BACK' TO EXIT



Touch the Emblem side of the PROX Remote to the START Button on the dash. The Emblem side is the side without the buttons on it and has either the LEXUS or Lexus symbol on it.
When you hold up the new key the car should give TWO BEEPS. If you only hear 1 then the key is not correct. May be the wrong part number or could be a previously used key thats locked.
Check the key if only getting 1 beep.

PROGRAM KEYS
TOUCH ENGINE SW
WITH EMBLEM SIDE
OF NEXT NEW KEY
TIME 30
BACK' TO EXIT

If you have more to program, touch the next one to the START Button, otherwise press ENTER on the tester to finish the procedure.

PROGRAM KEYS
PLEASE WAIT
BACK' TO EXIT

PROGRAM KEYS
PROCEDURE COMPLETE
NUMBER OF KEYS
3
PRESS ENTER KEY

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MASERATI SECTION





T-CODE SOFTWARE PACKS:

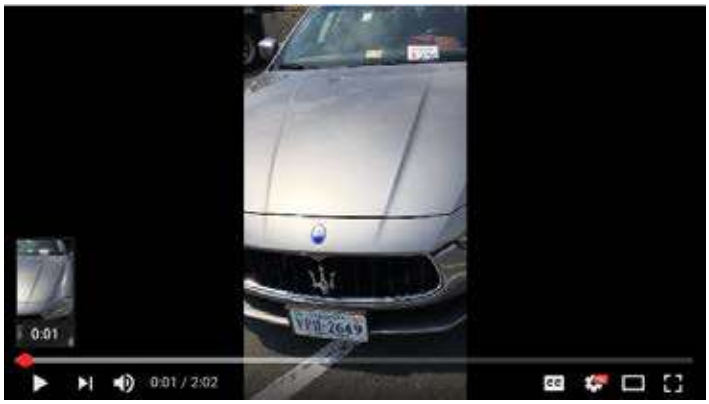
(ADS-178) Chrysler Proximity 2011



2014-2016 GRANTURISMO 4-DOOR W/ PROXIMITY START					ADS-178	
STRATTEC	ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM PROX (DODGE CHARGER PROX WILL SUB)		CHRYSLER PROX GEN 4	Yes	**Yes**	**YES** **READ USING CHRYSLER RFH GEN**	**G**-Tan Or SD



WATCH VIDEO - PROGRAMMING A 2016 MASERATI



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MAZDA SECTION





T-CODE SOFTWARE PACKS:

Mazda CAN (ADS-133)

Mazda 2014 (ADS-225)

(Software names generally refer to the date of release on the T-CODE not the years of vehicles covered).

CAN stands for Controller Area Network, not Canada

Find a Sales Representative Near You

2012-2015 MAZDA 2 — ADS-133

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
MAZ24R-PT 	Select by Vehicle	Use SMART CARD PIN Bypass (Response Code Required from A.D. Web Site without a Smart Card.)			**A**-Black Or SD

2014-2016 Mazda 3 With Push to Start Proximity System — ADS-225

DEALER	SYSTEM	SMART Card	PIN Required		PRO Dongle
Fob GJY9-67-5DFY E-Key KDY3-76-201	Select by Vehicle	Yes	Dealer INCODE Required*	*Free InCode Bypass now available for SD	**G**-Tan Or SD

Notes: Rolling code system, get Out-Code from tester and obtain In-code from Dealer or N.A.S.T.F.
Keep the tester connected or codes change to new ones and you will have to start over.
Both ADD PROX and ERASE PROX are available. 2 PROX are required if using ERASE PROX.

2010-2013 MAZDA 3 with Proximity START Button Ignition — ADS-133

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Remote & Key Required	Select by Vehicle	Use SMART CARD PIN Bypass (Response Code Required from A.D. Web Site without a Smart Card.)			**A / G**

Note: See instructions in 2014 Manual

2006-2013 MAZDA 3 with KEY Ignition — ADS-133

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
MAZ24R-PT 	Select by Vehicle	Use SMART CARD PIN Bypass (Response Code Required from A.D. Web Site without a Smart Card.)			**A**-Black Or SD

2004-2005 MAZDA 3 with KEY Ignition — ADS-133

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
MAZ24R-PT 	Select by Vehicle	Use SMART CARD PIN Bypass (Response Code Required from A.D. Web Site without a Smart Card.)			**A**-Black Or SD

2006-2014 MAZDA 5 — ADS-133

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
MAZ24R-PT 	Select by Vehicle	Use SMART CARD PIN Bypass (Response Code Required from A.D. Web Site without a Smart Card.)			**A**-Black Or SD

2014-2016 Mazda 6 With Push to Start Proximity System — ADS-225

DEALER	SYSTEM	SMART Card	PIN Required		PRO Dongle
Fob GJY9-67-5DFY E-Key KDY3-76-201	Select by Vehicle	Yes	Dealer INCODE Required*	*Free InCode Bypass now available for SD	**G**-Tan Or SD

Notes: Rolling code system, get Out-Code from tester and obtain In-code from Dealer or N.A.S.T.F.
Keep the tester connected or codes change to new ones and you will have to start over.
Both ADD PROX and ERASE PROX are available. 2 PROX are required if using ERASE PROX.

2009-2013 MAZDA 6 WITH PROXIMITY START BUTTON IGNITION — ADS-133

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
PROX Remote: GYSL-67-5RY Emergency Key: D6Y1-76-2GXB	Select by Vehicle	Use SMART CARD PIN Bypass (Response Code Required from A.D. Web Site without a Smart Card.)			**A**-Black Or SD

2006-2008 MAZDA 6 WITH TWIST KNOB PROXIMITY IGNITION — ADS-133

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Remote & Key Required	Select by Vehicle	Use SMART CARD PIN Bypass (Response Code Required from A.D. Web Site without a Smart Card.)			**G**-Tan Or SD

2009-2013 MAZDA 6 WITH KEY IGNITION — ADS-133

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
MAZ24R-PT 	Select by Vehicle	Use SMART CARD PIN Bypass (Response Code Required from A.D. Web Site without a Smart Card.)			**E** Yellow

Note: Only use ERASE keys, ADD-KEY won't work. We have also seen some of these fail to program using aftermarket keys so make sure to have TWO factory original dealer keys.

2005-2008 MAZDA 6 WITH KEY IGNITION — ADS-133

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
MAZ24R-PT 	Select by Vehicle	Use SMART CARD PIN Bypass (Response Code Required from A.D. Web Site without a Smart Card.)			**A**-Black Or SD

2003-2004 MAZDA 6 WITH KEY IGNITION — ADS-133

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM: GJYA-76-2GX	Select by Vehicle	Use SMART CARD PIN Bypass (Response Code Required from A.D. Web Site without a Smart Card.)			**A**-Black Or SD

Note: Models made before 09/22/03 use Dealer Key - Part# GJYA-76-2GX Mazda Key - No substitute.

2000-2002 626 — ADS-100

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM: BJYV-76-2GX	LUCAS BOX	**Yes**	**Yes**	IMMO Box Conversion	**A**-Black Or SD

Note: Transponder system was optional. Most 626 models with V-6 Engine's have it. Programming key procedure is an On-Board method using a PIN Code number converted from the Immobilizer Control Unit serial number. The immobilizer control unit is located under the steering column.
See programming section for more details.

1998-1999 626 — ADS-100

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM: GE4T-76-2GX	LUCAS BOX	Yes	Yes	IMMO Box Conversion	**A**-Black Or SD

Note: Transponder system was optional. Most 626 models with V-6 Engine's have it. Programming key procedure is an On-Board method using a PIN Code number converted from the Immobilizer Control Unit serial number. The immobilizer control unit is located under the steering column.
See programming section for more details.

2007-2011 B-SERIES PICK UP's — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	FORD PATS 4	No	No	Yes with SMC & ADS133	**A**-Black Or SD

Note: If using the 10 Min Bypass, you may have to select FORD PATS 5.

2001-2006 B-SERIES PICK UP's WITH OPTIONAL TRANSPONDER — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	FORD PCM	No	No	Yes with SMC & ADS133	**A**-Black Or SD

Note: Transponder system is optional. Some models came with 690212 but are not transponder equipped.

1999-2000 B-SERIES PICK UP's WITH OPTIONAL TRANSPONDER — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H72-PT	FORD PATS 2	No	No	Yes with SMC & ADS133	**A**-Black Or SD

Note: Transponder system is optional.

2016 CX-3 With Push to Start Proximity System — ADS-225

DEALER	SYSTEM	SMART Card	PIN Required		PRO Dongle
Fob KDY3-67-5DY E-Key KDY3-76-201	Select by Vehicle CX-5	Yes	Dealer INCODE Required*	*Free InCode Bypass now available for SD	**G**-Tan Or SD

Notes: Rolling code system, get Out-Code from tester and obtain In-code from Dealer or N.A.S.T.F.
Keep the tester connected or codes change to new ones and you will have to start over.
Both ADD PROX and ERASE PROX are available. 2 PROX are required if using ERASE PROX.

2013-2015 CX-5 With Push to Start Proximity System — ADS-225

DEALER	SYSTEM	SMART Card	PIN Required		PRO Dongle
Fob KDY3-67-5DY E-Key KDY3-76-201	Select by Vehicle	Yes	Dealer INCODE Required*	*Free InCode Bypass now available for SD	**G**-Tan Or SD

Notes: Rolling code system, get Out-Code from tester and obtain In-code from Dealer or N.A.S.T.F.
Keep the tester connected or codes change to new ones and you will have to start over.
Both ADD PROX and ERASE PROX are available. 2 PROX are required if using ERASE PROX.

2007-2014 CX-7 / CX-9 WITH PROXIMITY IGNITION — ADS-133

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Remote & Key Required	Select by Vehicle	Use SMART CARD JTPIN Bypass (Response Code Required from A.D. Web Site without a Smart Card.)			**G**-Tan Or SD

2007-2014 CX-7 / CX-9 WITH KEY IGNITION — ADS-133

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
MAZ24R-PT 	Select by Vehicle	Use SMART CARD PIN Bypass (Response Code Required from A.D. Web Site without a Smart Card.)			**A**-Black Or SD

2000-2005 MIATA — ADS-100

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Key: BJYV-76-2GX	LUCAS BOX	Yes	Yes	IMMO Box Conversion	**A**-Black Or SD

Note: Programming key procedure is an On-Board method using a PIN Code number converted from the Immobilizer Control Unit serial number. The Immobilizer Control Unit is located under the steering column. See programming section for more details.

2000-2006 MPV VAN — ADS-100

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Key: BJYV-76-2GX ('00-'04 only)	LUCAS BOX	Yes	Yes	IMMO Box Conversion	**A**-Black Or SD

Note: Programming key procedure is an On-Board method using a PIN Code number converted from the Immobilizer Control Unit serial number. The Immobilizer Control Unit is located under the steering column. See programming section for more details.

2006-2015 MX-5 MIATA WITH PROXIMITY IGNITION — ADS-133

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Remote & Key Required	Select by Vehicle	Use SMART CARD PIN Bypass (Response Code Required from A.D. Web Site without a Smart Card.)			**G**-Tan Or SD

2014-2015 MX-5 MIATA WITH KEY IGNITION — ADS-133

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
MAZ24R-PT 	Select by Vehicle	Use SMART CARD PIN Bypass Response Code Required from A.D. Web Site without Smart Card			**A**-Black Or SD

2006-2015 MX-5 MIATA WITH KEY IGNITION — ADS-133

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
MAZ24R-PT 	Select by Vehicle	Use SMART CARD PIN Bypass Response Code Required from A.D. Web Site without Smart Card			**A**-Black Or SD

2006-2011 RX-8 WITH PROXIMITY IGNITION — ADS-133

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
PROX Card: NFY7-67-RYB Emergency Key: D4Y1-76-2GXA	Select by Vehicle	Use SMART CARD PIN Bypass (Response Code Required from A.D. Web Site without a Smart Card.)			**G**-Tan Or SD

2004-2011 RX-8 WITH KEY IGNITION — ADS-133

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
MAZ24R-PT 	Select by Vehicle	Use SMART CARD PIN Bypass (Response Code Required from A.D. Web Site without a Smart Card.)			**A**-Black Or SD

2009-2011 TRIBUTE — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	10 MIN BYPASS	PRO Dongle
H92-PT 	FORD PATS 5	No	No	Yes with SMC & ADS133	**A**-Black Or SD

2005-2008 TRIBUTE — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
H92-PT 	FORD CAN 3	No	No	Yes with SMC & ADS133	**A**-Black Or SD

Note: 2004 is a split year, try PCM and CAN 3 & use the system that communicates. Determine the system before cutting key. 2008 may be PATS 4 and if using the 10Min bypass use PATS 5.

2001-2004 TRIBUTE — ADS-100

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
H86-PT 	FORD PCM	No	No	Yes with SMC & ADS133	**A**-Black Or SD

Note: 2004 is a split year, try PCM and CAN 3 & use the system that communicates. Determine the system before cutting key.

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MAZDA PIN CODE LUCAS BOX SERIAL NUMBER TO PIN CODE CONVERTER





SPECIAL FUNCTIONS

MAZDA PIN CODE- Use the PRO to convert the serial number to the "PINCODE" (code number).

To use the converter you don't plug into the car!

You can plug into a wall outlet with your Update cable or plug into the OBD2 port of most any vehicle to power the PRO

Since the software does **NOT** communicate with car - you only need to supply power to the PRO

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-100	PRO ONLY NEEDS TO BE POWERED UP WITH ANY DONGLE
MAX # KEYS:	**SMART DONGLE?**
8	YES
KEYS:	**SECURITY:**
RE-USABLE	N/A
	COMPONENTS MATCHED?
	YES
	MATCHING CAPABILITY?
	NONE

SECURITY LIGHT / THEFT INDICATOR:

MORE INFO:

If a new key has to be programmed in to the car's Immobilizer system, all other keys will be erased. Therefore, all available keys will need to be present for programming. The Immobilizer Unit and PCM (Power Control Module) cannot be taken off and used on other cars and visa-versa. If there are less than 2 pre-programmed transponder keys, a PIN CODE will be needed to open the Immobilizer Unit's programming mode.

Here is the Lucas Immobilizer Box. It's located under the dash up above the brake pedal and you will need to carefully remove the trim to get to it.





The serial number is located on the lower half of the label.
In this case, the "PINCODE" for this box is "61766866".
The serial number is always 10 numbers and the PINCODE is always 8 numbers.

MAZDA PIN CODE
LUCAS BOX SERIAL NUMBER TO PIN CODE CONVERTER

Use this method TO CONVERT THE BOX SERIAL NUMBER TO A PIN CODE

Select:

+MAZDA
+BY SYSTEM
MAZDA CODE

MAZDA CODE CONVERTER

PRESS ENTER KEY

SERIAL CODE

_ _ _ _ _ _ _ _ _ _

ENTER THE SERIAL NUMBER FOUND ON THE IMMO BOX LABEL

SERIAL CODE

5 9 3 0 3 1 7 2 5 9

IS CODE CORRECT
OK=ENTER CLEAR=BACK

MAZDA MECS

PLEASE WAIT

If an INVALID CODE message is displayed try ADDING or SUBTRACTING one number to the 2nd digit of the serial number

INVALID SER. #

PRESS ENTER KEY

MAZDA MECS

SER. No.
593-031-7259

PINCODE: 1777-1543

PRESS ENTER KEY

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.

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MAZDA PIN CODE
LUCAS BOX SERIAL NUMBER TO PIN CODE CONVERTER

Use this ON-BOARD PROCEDURE FOR USING THE PIN CODE.
(Does NOT involve using the PRO!)

USE THIS PROCEDURE FOR WHEN THERE ARE NO KEYS OR ONLY 1 PRE-PROGRAMMED KEY AND YOU NEED TO PROGRAM MORE KEYS:

IMPORTANT: YOU MUST USE A OEM FACTORY KEY, AFTERMARKET KEYS WON'T WORK FOR THIS PROCEDURE.

REMEMBER: THIS IS ALL DONE AS AN ON-BOARD PROCEDURE ON THE CAR WITHOUT THE PRO!

START BY DOING THIS:	
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. Do not turn the key too fast or it will not register.
3	Turn the key back to the ON position and watch the flashing security light on the dash. The light should flash rapidly, less than 1 second on and off.
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, start to enter the PINCODE (password).

THEN DO THIS:	
A	Before you start, the security light on the dash should be flashing on and off for 1.2 seconds each.
B	For this purpose, let's say the PINCODE is "23681457". Below is an example.Do not turn the key too fast or it will not register.
C	The first digit in the PINCODE is a '2'. Turn the ignition key to the ON position while the security light is not illuminated. Count the illumination flashes **TWO** times and while the light is not illuminated turn the key to the LOCK position. (This is an example.)
D	The second digit in the PINCODE is a '3'. Within 30 seconds of turning the key to the LOCK position, turn the ignition key to the ON position while the security light is not illuminated. Count the illumination flashes **THREE** times and while the light is not illuminated turn the key to the LOCK position.
E	Repeat the above step to enter the rest of the PINCODE.
F	After you have entered the last number, turn the ignition to LOCK and then back ON. Once you have entered the PINCODE correctly, the security light will stop flashing and stay illuminated. If you make a mistake, just wait 45 seconds and start over. Do not remove the key.

MAZDA PIN CODE
LUCAS BOX SERIAL NUMBER TO PIN CODE CONVERTER

ON-BOARD PROCEDURE FOR USING THE PIN CODE.
- Continued

ONCE YOU GET THE THEFT LIGHT TO ILLUMINATE SOLID DO THIS:	
1	When you have entered the PINCODE correctly, the security light should stay on and not flash.
2	The car should now start. Start the car and the security light should stay lit for between 1 to 2 seconds.
3	The car should now start. Start the car and the security light should stay lit for between 1 to 2 seconds.
4	If you are going to add a second key for programming, within 20 seconds, remove the first key and insert the second key and start the car. The security light should stay lit for between 1 to 2 seconds.
5	Stop if you have no more keys to program.
6	You must wait 30 seconds to end the program mode.

TIPS:

> The ignition key should not be turned ON twice within one non-illumination cycle.

> The ignition key should not be turned ON during an illumination cycle.

> The ignition key should not be turned to LOCK twice within one non-illumination cycle.

ONCE YOU HAVE TWO KEYS PROGRAMMED YOU CAN ON BOARD PROGRAM MORE.

>>END<<

MAZDA
"BLADED IGNITION KEY" SYSTEMS





SPECIAL FUNCTIONS

CLEAR KEY- Used to erase all currently programmed KEYS.

ADD KEYS- Used to ADD KEYS without erasing others.

KEYS PROGRAMMED- Used to read the number of keys programmed.

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-133	ADC-250 / ADC- 251 SEE KEY LOOK UP GRID FOR DONGLE SELECTION TO USE.
MAX # KEYS:	**SMART DONGLE?**
8	YES
KEYS:	**SECURITY:**
Re-usable.	INCODE / OUTCODE BYPASSED
	COMPONENTS MATCHED?
	YES DASH & PCM MATCHED
	MATCHING CAPABILITY?
	SOME - SEE FORD PARAMETER RESET SECTION

SECURITY LIGHT / THEFT INDICATOR:

The theft light should be "OFF" (not blinking) when a programmed key is used to turn the ignition "ON".
A blinking theft light indicates a system malfunction, a mismatch of components or less than 2 keys programmed.

MORE INFO:

THESE ARE VARIENTS OF FORD SYSTEMS.

Make sure the vehicles voltage is kept at at least 12 volts during programming. Using jumper cables or a booster pack is highly recommended.

At least 2 KEYS must be programmed into the system in order for the engine to start.
Erasing all keys and cycling only 1 key will result in a NO START situation.
The system will remain in programming mode until a 2nd key is cycled closing the procedure.

MAZDA
"BLADED IGNITION KEY" SYSTEMS

CLEAR / ERASE KEYS
Use this procedure to ERASE & PROGRAM 2 KEYS

MAKE SURE YOU HAVE 2 KEYS CUT & READY TO PROGRAM

Select:

+MAZDA
+N. AMERICA
+BY VEHICLE"
(UNLESS OTHERWISE DIRECTED AS BY THE KEY LOOK UP SECTION.
+MODEL (SELECT THE MODEL YOU ARE WORKING ON IE. MAZDA 3 ETC.)
+YEAR (SELECT THE YEAR OF THE VEHICLE YOU ARE WORKING ON IE. MAZDA 3 ETC.)
SELECT: +BLADED (IF GIVEN A CHOICE)

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

PATS 3 CAN
(MAZDA 3)

PRESS ENTER KEY

ECU IDENTIFICATION SCREEN MAY VARY SLIGHTLY DEPENDING ON WHICH MODEL OR SYSTEM IS SELECTED.

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
SPECIAL FUNCTIONS

PRESS ENTER KEY

AT THIS POINT ITS A VERY GOOD IDEA TO CHECK THE KEYS PROGRAMMED FUNCTION.
IF THE READ IS KEYS PROGRAMMED:0 YOU MAY HAVE SELECTED THE WRONG VEHICLE/ SYSTEM & SHOULD PROBABLY START OVER.
DISCONNECT, TURN THE KEY OFF. WAIT 10 SECONDS. TURN THE KEY BACK ON.
THEN RE-CONNECT AND TRY AGAIN.

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
SPECIAL FUNCTIONS

PRESS ENTER KEY

AT THIS POINT ITS A VERY GOOD IDEA TO CHECK THE KEYS PROGRAMMED FUNCTION.
IF THE READ IS KEYS PROGRAMMED:0 YOU MAY HAVE SELECTED THE WRONG VEHICLE/ SYSTEM & SHOULD PROBABLY START OVER.
DISCONNECT, TURN THE KEY OFF. WAIT 10 SECONDS. TURN THE KEY BACK ON.
THEN RE-CONNECT AND TRY AGAIN.

MAZDA
"BLADED IGNITION KEY" SYSTEMS

CLEAR / ERASE KEYS
Use this procedure to ERASE & PROGRAM 2 KEYS - CON'TD

DIAGNOSTIC MENU

> CLEAR / ERASE PATS
ADD KEY
KEYS PROGRAMMED

PRESS ENTER KEY

MIN KEYS REQUIRED : 2

PRESS ENTER KEY

IF YOU GET "KEY ALREADY PROGRAMMED" THE SYSTEM SELECTED WAS THE WRONG ONE.

CLEAR KEYS

ACCESS GRANTED

PROGRAM KEYS

KEYS PROGRAMMED: 00
DISCONNECT TESTER
CYCLE KEYS TO PROGRAM

PRESS ENTER KEY

TURN THE IGN OFF.
THEN BACK ON WITH THE 1ST KEY.
WAIT 5 SECONDS.
REMOVE THE 1ST KEY.
TURN IGN ON WITH 2ND KEY.
WAIT 5 SECONDS.

THEFT LIGHT SHOULD GO OUT AND IF YOU PLUG BACK IN AND CHECK "KEYS PROGRAMMED" IT SHOULD READ:
KEYS PROGRAMMED: 02

MAZDA
"BLADED IGNITION KEY" SYSTEMS

ADD KEY
Use this procedure to ADD 1 KEY
NOT AVAILABLE / USABLE ON SOME MODELS - CHECK THE KEY LOOK UP!

MAKE SURE THE KEY YOU WANT TO ADD IS IN THE IGNITION!

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

PATS 3 CAN
(MAZDA 3)

PRESS ENTER KEY

ECU IDENTIFICATION SCREEN MAY VARY SLIGHTLY DEPENDING ON WHICH MODEL OR SYSTEM IS SELECTED.

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
SPECIAL FUNCTIONS

PRESS ENTER KEY

AT THIS POINT ITS A VERY GOOD IDEA TO CHECK THE KEYS PROGRAMMED FUNCTION.
IF THE READ IS KEYS PROGRAMMED:0 YOU MAY HAVE SELECTED THE WRONG VEHICLE/ SYSTEM & SHOULD PROBABLY START OVER.
DISCONNECT, TURN THE KEY OFF. WAIT 10 SECONDS. TURN THE KEY BACK ON.
THEN RE-CONNECT AND TRY AGAIN.

DIAGNOSTIC MENU

CLEAR / ERASE PATS
>ADD KEY
KEYS PROGRAMMED

PRESS ENTER KEY

MIN KEYS REQUIRED : 2

PRESS ENTER KEY

IF YOU GET "KEY ALREADY PROGRAMMED" THE SYSTEM SELECTED WAS THE WRONG ONE.

CLEAR KEYS

ACCESS GRANTED

PROGRAM KEYS

READING KEY / STORING KEY
KEYS PROGRAMMED: 03

PRESS ENTER KEY

TURN THE IGN OFF.
THEN BACK ON.

THEFT LIGHT SHOULD GO OUT AND IF YOU CHECK "KEYS PROGRAMMED" IT SHOULD HAVE INCREASED BY 1 KEY.

>>END<<

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MAZDA
"TWIST KNOB"
PROX SYSTEM



SPECIAL FUNCTIONS

TWO STEP PROCEDURE. - Each key is TWO PARTS, one is the E-KEY the other is the FOB PART.

STEP # 1 - Program **E-KEYS. using KEY FUNCTIONS.**

STEP # 2 - Program the **FOBS, using PROX FUNCTIONS.**

CLEAR KEY- Used to erase all currently programmed E-KEYS.

ADD KEYS- Used to ADD E-KEYS without erasing others.

KEYS PROGRAMMED- Used to read the number of keys & prox programmed.

CLEAR PROX- Used to erase all currently programmed FOBS.

ADD PROX- Used to ADD FOBS without erasing others.

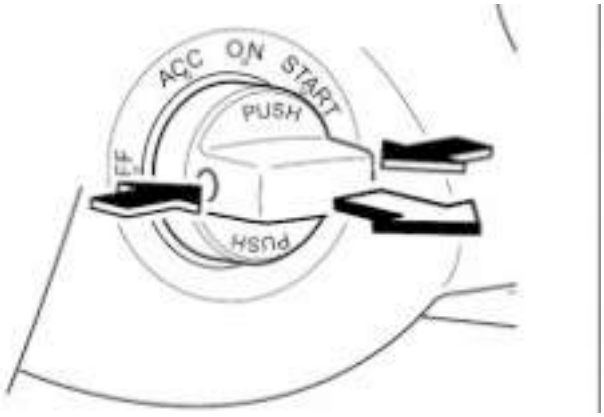
T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-133	ADC-250 / ADC- 251 G (TAN) DONGLE
MAX # PROX KEYS:	**SMART DONGLE?**
6	YES
PROX KEYS:	**SECURITY:**
Re-usable.	INCODE / OUTCODE BYPASSED
	COMPONENTS MATCHED?
	YES
	MATCHING CAPABILITY?
	NONE

SECURITY LIGHT / THEFT INDICATOR:

The theft light should be OFF whenever there is a working prox inside the vehicle.

MORE INFO:

Make sure the vehicles voltage is kept at at least 12 volts during programming. Using jumper cables or a booster pack is highly recommended.



Press the little button and gently pull to remove the twist knob

"CARD" STYLE PROX FOB & E-KEY (2006-2009)



"TOMBSTONE" STYLE PROX FOB & E-KEY (2010-2014)



MAZDA
"TWIST KNOB" PROX

KEY FUNCTIONS / CLEAR / ERASE KEYS
Use this procedure to ERASE & PROGRAM 2 E-KEYS

MAKE SURE YOU HAVE 2 E-KEYS READY TO PROGRAM

Select:

+MAZDA
+N. AMERICA
+BY VEHICLE
+SELECT THE MODEL (FOR EXAMPLE CX-7 OR CX-9 ETC.)
+SELECT THE YEAR (FOR EXAMPLE 2009>)
+PROXIMITY



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

REMOVE THE TWIST KNOB TO EXPOSE THE IGNITION AND INSERT ONE OF THE E-KEYS IN THE IGNITION.

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

MAZDA PATS CAN
VIN: JM3TB388V48013397

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
SPECIAL FUNCTIONS

PRESS ENTER KEY

DIAGNOSTIC MENU

> CLEAR KEY
ADD KEY
CLEAR PROX
ADD PROX
KEYS PROGRAMMED

PRESS ENTER KEY

DIAGNOSTIC MENU

> CLEAR / ERASE PATS
ADD KEY
KEYS PROGRAMMED

PRESS ENTER KEY

CLEAR KEYS

ACCESS GRANTED

PROGRAM KEYS

CYCLE_KEYS
KEYS PROGRAMMED: 00

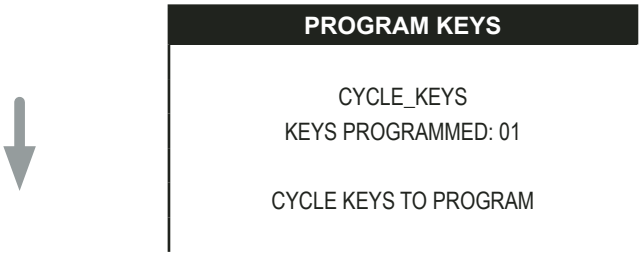
CYCLE KEYS TO PROGRAM

CYCLE THE KEY OFF THEN BACK ON....

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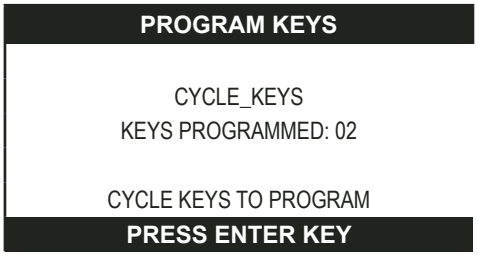
MAZDA
"TWIST KNOB" PROX

KEY FUNCTIONS / CLEAR / ERASE KEYS
Use this procedure to ERASE & PROGRAM 2 E-KEYS - CONTINUED



As you cycle the keys - the screen on the PRO will show the key count change.

REMOVE THE 1ST KEY AND TURN THE IGNITION ON WITH THE 2ND KEY.



NOW THAT THE SCREEN SHOWS 2 KEYS PROGRAMMED PRESS ENTER & GO TO THE NEXT STEP WHICH IS TO PROGRAM THE PROX FOBS

ADDING AN E-KEY - You can use ADD-KEY on the menu to ADD additional E-KEYS.
The Process is pretty much the same as we have shown here except you select ADD KEY & you only need 1 E-KEY that you want to program.

WHEN USING ADD-KEY MAKE SURE THAT THE KEY YOU WANT TO PROGRAM IS IN THE IGNITION DURING THE PROCEDURE!

MAZDA
"TWIST KNOB" PROX

PROX FUNCTIONS / CLEAR / ERASE KEYS
Use this procedure to ERASE & PROGRAM 2 PROX FOBS

MAKE SURE YOU HAVE 2 PROGRAMMED E-KEYS & 2 PROX FOBS READY TO PROGRAM.

Select:

+MAZDA
+N. AMERICA
+BY VEHICLE
+SELECT THE MODEL (FOR EXAMPLE CX-7 OR CX-9 ETC.)
+SELECT THE YEAR (FOR EXAMPLE 2009>)
+PROXIMITY

SWITCH IGNITION ON
PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
FAULT CODES
ACTUATORS
SPECIAL FUNCTIONS
PRESS ENTER KEY

DIAGNOSTIC MENU
CLEAR KEY
ADD KEY
> CLEAR PROX
ADD PROX
KEYS PROGRAMMED
PRESS ENTER KEY

CLEAR PROX
ACCESS GRANTED
PRESS ENTER KEY

THE CARS DOOR LOCKS SHOULD CYCLE.

ADD PROX
WAIT FOR LOCKS TO CYCLE TWICE
HOLD PROX NEAR PASSENGER SEAT
PRESS 'UNLOCK' ON PROX TWICE
LOCKS SHOULD CYCLE TWICE AGAIN



Carefully follow the screen prompts above - the PRO should indicate the first Prox is programmed.

What we are doing is holding the PROX FOB over the passenger seat and pressing the UNLOCK BUTTON on the FOB TWICE. The door locks should cycle when the 1st PROX FOB is programmed and the screen should change to show PROX PROGRAMMED: 1

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MAZDA
"TWIST KNOB" PROX

PROX FUNCTIONS / CLEAR / ERASE KEYS
Use this procedure to ERASE & PROGRAM 2 PROX FOBS - CONTINUED

KEYS PROGRAMMED
KEYS PROGRAMMED: 2
PROX PROGRAMMED: 1
PRESS ENTER KEY

PRESS ENTER AND REPEAT THE PROCESS FOR THE 2ND PROX FOB

ADD PROX
WAIT FOR LOCKS TO CYCLE TWICE
HOLD PROX NEAR PASSENGER SEAT
PRESS 'UNLOCK' ON PROX TWICE
LOCKS SHOULD CYCLE TWICE AGAIN



KEYS PROGRAMMED
KEYS PROGRAMMED: 2
PROX PROGRAMMED: 2
PRESS ENTER KEY

FINAL STEP-

Start the vehicle with each programmed E-Key.

This is VERY IMPORTANT & MUST be done for everything to work as it should.

ADDING A PROX FOB - You can use ADD-PROX on the menu to ADD additional E-PROX FOBS. The Process is very much the same as we have shown here except you only need 1 PROX FOB that you want to program.

YOU MUST HAVE AT LEAST ONE PROGRAMMED E-KEY TO USE BEFORE STARTING THE PROCEDURE.

<u>IMPORTANT:</u>

Before ADDING a PROX make sure you have at least one of the 2 already working PROX available.

This is because of the way MAZDA designed the system.

Before the PROX that has been added will work properly the engine MUST be started with TWO prox keys.

If you ADD a Prox but DO NOT have the other PROX available the new prox may not work properly until the engine is started with each of the 2 PROX KEYS.

The process can be completed later by starting the engine with the other prox but this is something to be aware of as your customer will likely NOT be happy until everything works as designed.

MAZDA
"PUSH TO START"
PROX



SPECIAL FUNCTIONS

TWO STEP PROCEDURE. - Each key is TWO PARTS, one is the E-KEY the other is the FOB PART.

STEP # 1 - Program **E-KEYS. using KEY FUNCTIONS**

STEP # 2 - Program the **FOBS, using PROX FUNCTIONS**

SERVICE MODE- Used to turn the ignition on when no working key is available.

CLEAR / PROGRAM KEYS- Used to erase all currently programmed E-KEYS.

ADDITIONAL KEYS- Used to ADD E-KEYS without erasing others.

KEYS PROGRAMMED- Used to read the number of keys programmed.

CLEAR / PROGRAM PROX- Used to erase all currently programmed FOBS.

ADDITIONAL KEYS- Used to ADD FOBS without erasing others.

FOBS PROGRAMMED- Used to read the number of keys programmed.

MORE INFO:

Make sure the vehicles voltage is kept at at least 12 volts during programming. Using jumper cables or a booster pack is highly recommended.

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-133	ADC-250 / ADC- 251 A (BLACK) DONGLE
MAX # PROX KEYS:	**SMART DONGLE?**
6	YES
PROX KEYS:	**SECURITY:**
Re-usable.	INCODE / OUTCODE BYPASSED
	COMPONENTS MATCHED?
	YES
	MATCHING CAPABILITY?
	NONE

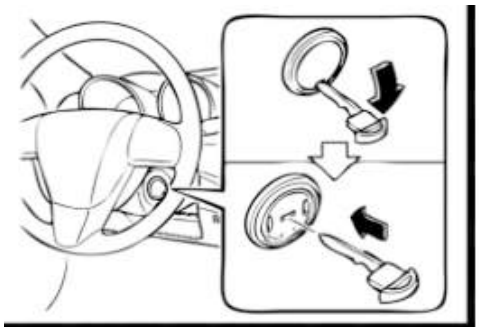
SECURITY LIGHT / THEFT INDICATOR:

The theft light should be OFF whenever there is a working prox inside the vehicle.

E-KEY LEARNING SLOT- Under snap off cover on the steering collumn.



The learning slot, ***DOES NOT TURN! Simply place the E-KEY inside.***



MAZDA
"PUSH TO START" PROX

Use this method to enter "SERVICE MODE"
- Use when no working key is available

Select:

+MAZDA
+N. AMERICA
+BY VEHICLE
+SELECT THE MODEL (FOR EXAMPLE MAZDA 3
+SELECT THE YEAR (FOR EXAMPLE 2010-2011)
+SPECIAL FUNCTIONS
+SERVICE MODE



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SERVICE MODE

PRESS START / STOP
TWICE
IGNITION SHOULD SWITCH ON

HOPEFULLY THE IGNITION GOES TO THE ON POSITION

IF THE IGNITION FAILS TO COME ON, REPEAT THIS PROCEDURE, UNTIL IT DOES. BE PATIENT, IT MAY TAKE SEVERAL ATTEMPTS.

Here's a little tip that will help if you are having trouble with this part: Go to KEY FUNCTIONS and SELECT ADD-KEY. IT will FAIL. That's OK. Go back to SERVICE MODE and usually it will work straight off!

ONCE YOU HAVE SUCCEEDED LEAVE THE IGNITION ON AND GO TO KEY FUNCTIONS.

MAZDA
"PUSH TO START" PROX

KEY FUNCTIONS / CLEAR/ ERASE KEYS
Use this procedure to ERASE & PROGRAM 2 E-KEYS

MAKE SURE YOU HAVE 2 E-KEYS READY TO PROGRAM

Select:

+MAZDA
+N. AMERICA
+BY VEHICLE
+SELECT THE MODEL (FOR EXAMPLE MAZDA 3
+SELECT THE YEAR (FOR EXAMPLE 2010-2011)
+KEY FUNCTIONS
+CLEAR / ERASE KEYS

CLEAR KEYS

IGNITION ON

PRESS ENTER KEY

CLEAR KEYS

WARNING
ALL KEYS WILL BE CLEARED

X CONTINUE ✔

KEYS PROGRAMMED

KEYS PROGRAMMED : 02

CLEAR KEYS

ACCESS GRANTED

KEYS PROGRAMMED

KEYS PROGRAMMED : 0

CLEAR KEYS

SUCCESS
2 KEYS REQUIRED
REMOVE ALL PROGRAMMED
FOBS FROM THE VEHICLE

PRESS ENTER KEY

REMOVE ANY FOBS THAT MIGHT BE IN THE CAR AT THIS POINT.

VERY IMPORTANT: There is an ERROR in the programming screens here.
We are attempting to get it fixed.
But, DO NOT FOLLOW THE NEXT STEP!

PROGRAM KEYS

TURN IGNITION OFF
PRESS START / STOP

PRESS ENTER KEY

LEAVE THE IGNITION ON!!!

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MAZDA
"PUSH TO START" PROX

KEY FUNCTIONS / CLEAR/ ERASE KEYS
Use this procedure to ERASE & PROGRAM 2 E-KEYS - Continued

PROGRAM KEYS
INSERT NEW KEY
PRESS ENTER KEY

PLACE AN E-KEY (KEY #1 OF THE 2 YOU ARE USING) IN THE LEARNING SLOT

PROGRAM KEYS
TURN IGNITION ON PRESS START / STOP WAIT 5 SECONDS
PRESS ENTER KEY

IT SHOULD ALREADY BE ON!
SO, JUST PRESS ENTER.....

KEYS PROGRAMMED
KEYS PROGRAMMED : 01
PRESS ENTER KEY

PROGRAM KEYS
TURN IGNITION OFF PRESS START / STOP
PRESS ENTER KEY

IT IS OK TO FOLLOW THIS PROMPT....

PROGRAM KEYS
INSERT NEW KEY
PRESS ENTER KEY

PLACE A SECOND E-KEY (KEY #2 OF THE 2 YOU ARE USING) IN THE LEARNING SLOT

PROGRAM KEYS
TURN IGNITION ON PRESS START / STOP WAIT 5 SECONDS
PRESS ENTER KEY

KEYS PROGRAMMED
KEYS PROGRAMMED : 02
PRESS ENTER KEY

OK, YOU HAVE SUCCESSFULLY COMPLETED STEP #1 AND HAVE 2 PROGRAMMED E-KEYS.

NOW GO TO STEP #2 WHICH IS TO PROGRAM THE FOBS.

MAZDA
"PUSH TO START" PROX

PROX FUNCTIONS / CLEAR/ ERASE PROX
Use this procedure to ERASE & PROGRAM 2 PROX FOBS

MAKE SURE YOU HAVE 2 PROGRAMMED E-KEYS & 2 PROX FOBS READY TO PROGRAM

Select:

+MAZDA
+N. AMERICA
+BY VEHICLE
+SELECT THE MODEL (FOR EXAMPLE MAZDA 3
+SELECT THE YEAR (FOR EXAMPLE 2010-2011)
+PROX FUNCTIONS
+CLEAR / ERASE PROX



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

CLEAR PROX

IGNITION ON

PRESS ENTER KEY

CLEAR KEYS

WARNING
ALL KEYS WILL BE CLEARED

X CONTINUE ✔

KEYS PROGRAMMED

FOBS PROGRAMMED : 02
KEYS PROGRAMMED : 02

KEYS PROGRAMMED

FOBS PROGRAMMED : 00
KEYS PROGRAMMED : 02

CLEAR PROX

SUCCESS

PRESS ENTER KEY

PROGRAM PROX FOB

PROGRAMMING IN PROGRESS
PRESS UNLOCK BUTTON EVERY
5 SECONDS ON PROX FOB 1

THE CARS DOOR LOCKS SHOULD CYCLE.



REPEATEDLY PRESS THE "UN-LOCK" BUTTON ON THE FOB UNTIL IT PROGRAMS

KEYS PROGRAMMED

FOBS PROGRAMMED : 01
KEYS PROGRAMMED : 02

PRESS ENTER KEY

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MAZDA
"PUSH TO START" PROX

PROX FUNCTIONS / CLEAR/ ERASE PROX
Use this procedure to ERASE & PROGRAM 2 PROX FOBS

PROGRAM PROX FOB

PROGRAMMING IN PROGRESS
PRESS UNLOCK BUTTON EVERY
5 SECONDS ON PROX FOB 2

THE CARS DOOR LOCKS SHOULD CYCLE.



REPEATEDLY PRESS THE "UN-LOCK" BUTTON ON THE FOB UNTIL IT PROGRAMS

IF THE LOCKS CYCLE ONCE BUT YOU BUT THE FOBS WILL NOT PROGRAM YOU MAY HAVE THE WRONG FOB PART NUMBER . CHECK / REPLACE THE BATTERY IN THE FOB.

KEYS PROGRAMMED

FOBS PROGRAMMED : 02
KEYS PROGRAMMED : 02

PRESS ENTER KEY

PROGRAM PROX FOBS

SUCCESS

PRESS ENTER KEY

THE FINAL STEP TO CLOSE OUT PROGRAMMING IS TO START THE VEHICLE WITH EACH OF THE PROGRAMMED E-KEYS.

DEPRESS THE BRAKE PEDAL & START THE VEHICLE WITH E-KEY # 1 THE LEARNING SLOT.

THEN START THE VEHICLE WITH E-KEY #2 IN THE LEARNING SLOT.

ONCE YOU HAVE DONE THIS CHECK THAT EVERYTHING IS WORKING AS IT SHOULD BE.



REMEMBER TO REPLACE THE PLASTIC COVER OVER THE LEARNING SLOT.

JOB DONE, GOOD WORK!

2014-2016 MAZDA PROX





SPECIAL FUNCTIONS

FORCE IGNITION ON- Use this function when you have NO WORKING prox available.
To use CLEAR OR ADD PROX the Ignition must first be placed in the ON position.
Use FORCE IGNITION ON to accomplish this FIRST before doing anything else.

Once the Ignition is ON, leave it on and proceed to one of the procedures below.

CLEAR PROGRAM PROX- Use this function to CLEAR all existing prox remotes from the system and to PROGRAM TWO new ones.
You will need to have TWO prox remotes ready in order to complete this procedure.
The Ignition MUST be placed in the ON position to begin so either use FORCE IGNITION ON.
If you have a working prox use it to place the ignition in the ON position.

ADD PROX- Use this function when you want to ADD a prox into the system without erasing any of the already programmed ones.
You will need to have ONE prox remote ready in order to complete this procedure. However, the Prox will not function completely until the engine is started with TWO Prox remotes. Until the engine starts with TWO prox remotes the new prox will only start the engine when held up to the Start/Stop button.
The Ignition MUST be placed in the ON position to begin so either use FORCE IGNITION ON.
If you have a working prox use it to place the ignition in the ON position.

MORE INFO:

>Two or more remote transmitters (PROX) must be programmed for the engine to start.

>If any metallic or magnetic object is near the remote transmitter, communication between the remote transmitter and the vehicle may be obstructed, resulting in a failure to program.

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-225	ADC-250 / ADC- 251 G (TAN) DONGLE
MAX # PROX KEYS:	**SMART DONGLE?**
6	YES
PROX KEYS:	**SECURITY:**
RE-USABLE	OUTCODE / INCODE Obtain from a dealer or NASTF BYPASS AVAILABLE for Smart Dongle owners on V12.50>
	COMPONENTS MATCHED?
	YES
	MATCHING CAPABILITY?
	NONE



SECURITY LIGHT / THEFT INDICATOR:



When the vehicle is started the theft light / indicator should be out. (Not blinking etc)



2016 Mazda 3 Prox ; Using AD bypass software upgrade

2014-2016
MAZDA PROX

FORCE IGNITION ON PROCEDURE
(USE WHEN NO WORKING PROX IS AVAILABLE)

YOU MAY SKIP THE "FORCE IGNITION ON" PRECEDURE IF YOU HAVE A WORKING PROX AVAILABLE.

Select:

+MAZDA
+N. AMERICA
+BY VEHICLE
+ MODEL (Select the model you are working on IE. CX-5
+YEAR (Select the year you are working on IE 2014-2016)



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

HAZARDS ON/ IGNITION OFF

PRESS ENTER KEY

ECU IDENTIFICATION

MAZDA CX5 / 3 / 6

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
>SPECIAL FUNCTIONS

DIAGNOSTIC MENU

>FORCE IGNITION ON
CLEAR PROGRAM PROX
ADD PROX

FORCE IGNITION

PRESS & RELEASE START / STOP BUTTON

PRESS ENTER KEY

FORCE IGNITION

WAIT FOR THE LIGHT ON START / STOP BUTTON TO TURN ORANGE THEN PRESS & RELEASE START / STOP BUTTON IGNITION SHOULD TURN ON

The light on the START / STOP Button should turn ORANGE once it does Press the START / STOP BUTTON & the Ignition should turn ON.

THE DASH SHOULD BE FULLY ALIGHT AND THE THEFT LIGHT WILL BLINK RAPIDLY
LEAVE THE IGNITION ON.

NEXT GO TO EITHER
CLEAR PROGRAM PROX OR ADD PROX

2014-2016
MAZDA PROX

Use this method to CLEAR & PROGRAM PROX

SWITCH THE IGNITION "ON" OR FORCE THE IGNITION ON PRIOR TO BEGINNING!

Select:

+MAZDA
+N. AMERICA
+BY VEHICLE
+ MODEL (Select the model you are working on IE. CX-5
+YEAR (Select the year you are working on IE 2014-2016



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

HAZARDS ON/ IGNITION OFF

PRESS ENTER KEY

ECU IDENTIFICATION

MAZDA CX5 / 3 / 6

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
>SPECIAL FUNCTIONS

DIAGNOSTIC MENU

FORCE IGNITION ON
> CLEAR PROGRAM PROX
ADD PROX

CLEAR KEYS

KEYS PROGRAMMED: 02

CLEAR KEYS

WARNING
ALL KEYS WILL
BE CLEARED
CONTINUE

X ✔

DO YOU WANT TO BYPASS THE SECURITY OR TYPE IN THE CODE?

X ✔

OF COURSE YOU DO!

PLEASE WAIT. SECURITY ACCESS IN PROGRESS

THIS MAY TAKE UP TO 3 MINUTES

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

2014-2016
MAZDA PROX

Use this method to CLEAR & PROGRAM PROX - CONT'D

IF FOR SOME REASON YOU HAVE NOT SELECTED TO BYPASS THE SECURITY HERE IS HOW IT WOULD GO:

GAINING ACCESS

OUTCODE: 17 68 2C

(EXAMPLE ONLY!)

PRESS ENTER KEY

USE THE OUTCODE TO OBTAIN AND INCODE FROM MAZDA.

ONCE YOU HAVE OBTAINED THE INCODE PRESS ENTER TO CONTINUE

IN-CODE

_ _ _ _

A	B	C	D	E
F	G	H	I	J

To change to letters on the keypad use the left and right arrow keys.



STAY CONNECTED WHILE YOU OBTAIN THE INCODE
IF YOU DISCONNECT YOU WILL HAVE TO START OVER!

9 0 0 B

(EXAMPLE ONLY)

X ✔

Once you have entered the INCODE IN-CODE

Select the check Mark to continue or the X to abort.

EITHER WAY THE REST OF THE PROCEDURE IS SHOWN ON NEXT PAGE >>>>>

2014-2016
MAZDA PROX

Use this method to CLEAR & PROGRAM PROX - CONT'D

PROGRAM PROX

KEYS PROGRAMMED : 00

2 KEYS REQUIRED

PRESS ENTER KEY

PROGRAM PROX

PRESS THE START / STOP BUTTON TO SWITCH THE IGNITION OFF

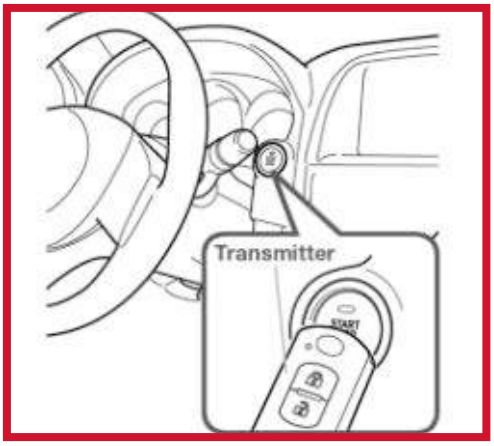
PRESS ENTER KEY

PROGRAM PROX

DO NOT PRESS THE BRAKE PEDAL

PRESS THE START / STOP BUTTON TO TURN THE IGNITION ON

WITHIN 10 SECONDS HOLD THE 1ST PROX OVER THE START / STOP BUTTON WITH THE MAZDA LOGO FACING YOU



PROGRAM PROX

KEYS PROGRAMMED: 1

PRESS THE START / STOP BUTTON TO SWITCH THE IGNITION OFF

The reason to not depress the brake pedal is we don't want the engine to start, until we get 2 keys programmed

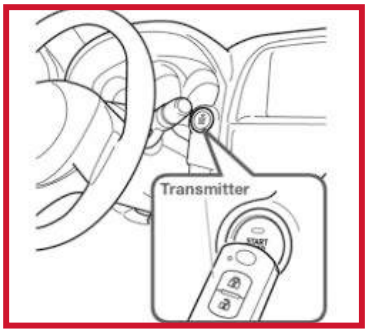
NOW WE REPEAT FOR THE 2ND PROX

PROGRAM PROX

DO NOT PRESS THE BRAKE PEDAL

PRESS THE START / STOP BUTTON TO TURN THE IGNITION ON

WITHIN 10 SECONDS HOLD THE 1ST PROX OVER THE START / STOP BUTTON WITH THE MAZDA LOGO FACING YOU



CONTINUED ON NEXT PAGE >>>>>

2014-2016
MAZDA PROX

Use this method to CLEAR & PROGRAM PROX - CONT'D

PROGRAM PROX

KEYS PROGRAMMED: 2

PRESS THE START / STOP BUTTON TO SWITCH THE IGNITION OFF

THE PRO SCREEN SHOULD NOW DISPLAY
KEYS PROGRAMMED: 2
AND
ASK YOU TO TURN THE IGNITION OFF

PROGRAM PROX

TO COMPLETE THE PROCEDURE START THE ENGINE WHILE HOLDING EACH PROX UP TO THE START / STOP BUTTON

PRESS ENTER KEY

IT'S VERY IMPORTANT TO PERFORM THIS STEP!

UNTIL EACH PROX STARTS THE VEHICLE THEY WILL NOT OPERATE PROPERLY.

IF FOR ANY REASON 2 PROX DID NOT SUCCESSFULLY PROGRAM REPEAT THE PROCESS OF HOLDING UP THE PROX SHOWN ON THE PREVIOUS PAGE UNTIL BOTH PROX OPERATE AND START THE ENGINE.

2014-2016
MAZDA PROX

ADD PROX PROCEDURE

The ADD PROX procedure is essentially the same as the CLEAR PROGRAM PROCEDURE

EXCEPT it does not ERASE any previously programmed PROX and only programs 1 NEW Prox.

IMPORTANT:

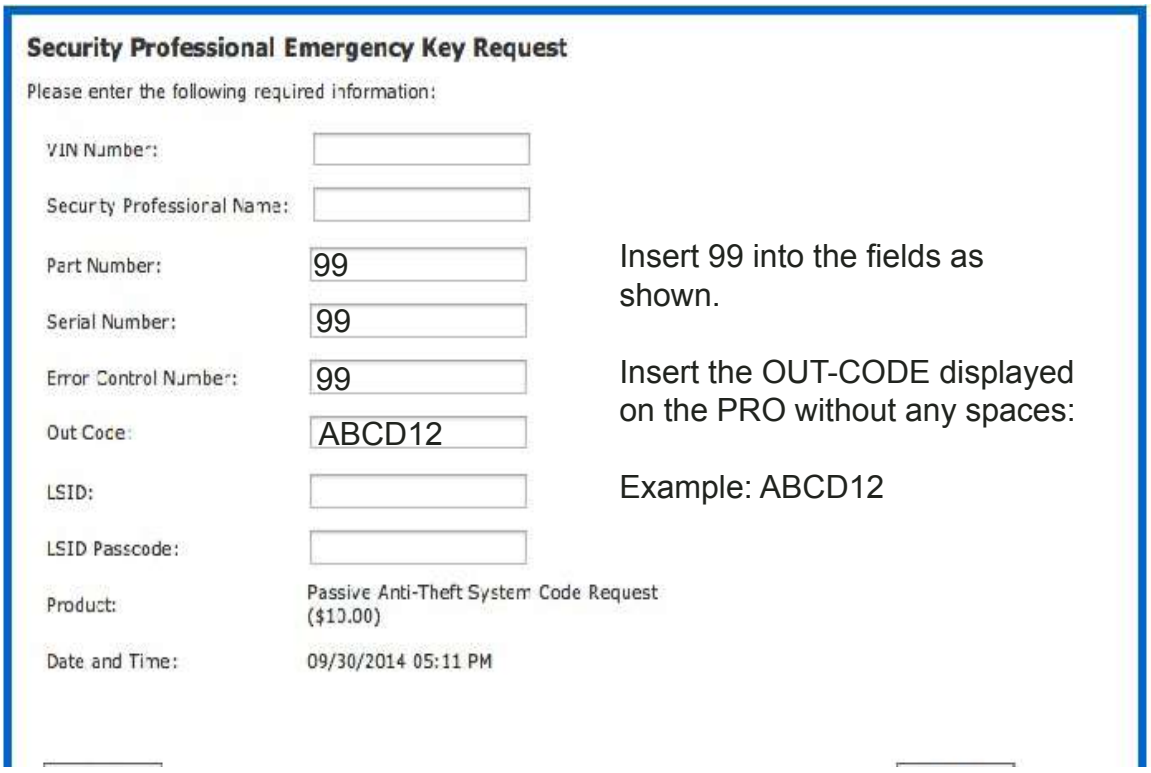
Before ADDING a PROX make sure you have at least one of the 2 already working PROX available.

This is because of the way MAZDA designed the system.

Before any PROX that has been added will work properly the engine MUST be started with TWO prox keys.

If you ADD a Prox but DO NOT have the other PROX available the new prox will work and start the engine but only by holding it up to the start / stop button.
The process can be completed later by starting the engine with the other prox but this is something to be aware of as your customer will likely NOT be happy until everything works as designed.

USING NASTF TO OBTAIN THE IN-CODE - IF NECESSARY



Insert 99 into the fields as shown.

Insert the OUT-CODE displayed on the PRO without any spaces:

Example: ABCD12

MITSUBISHI SECTION





(T-CODE SOFTWARE PACKS:

Mitsubishi Basic USA (ADS-117)

Mitsubishi CAN & PROX (ADS-154)

(Software names generally refer to the date of release on the T-CODE not the years of vehicles covered).

CAN stands for Controller Area Network, not Canada

Find a Sales Representative Near You

MITSUBISHI

Important Note about Mitsubishi Keys needed on CAN systems:
We ONLY recommend using brand new DEALER REMOTE HEAD KEYS on these vehicles.
There are aftermarket blanks available but from what we have seen they very often will NOT program in successfully, even using dealer equipment.
ATTENTION MVP USERS: NO LOST TOKENS WILL BE REFUNDED FOR USING IMPROPER KEYS

Also beware of component mis-match on ALL Mitsubishi.
If components have been swapped or changed DEALER EQUIPMENT. is required to re-match components.

2000-2004 DIAMANTE — ADS-117

STRATTEC	ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
5907793		SELECT BY VEHICLE	No	No	Not Needed	**A**-Black Or SD

2007-2012 ECLIPSE — ADS-154

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Remote Key: MN141545 USE OEM KEYS ONLY!	SELECT BY VEHICLE	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**G**-Tan Or SD

Note: 2007 model year is Split year. Either MIT3 (‘08) or MIT6 (‘06) keyway. Check the car!

Split Year

2006-2007 ECLIPSE — ADS-154

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Remote Key: MN141381 USE OEM KEYS ONLY!	SELECT BY VEHICLE	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**G**-Tan Or SD

Note: 2007 model year is Split year. Either MIT3 (‘08) or MIT6 (‘06) keyway. Check the car!

2000-2005 ECLIPSE — ADS-117

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
 MIT13-PT	SELECT BY VEHICLE	No	No	Not Needed	**A**-Black Or SD

2007-2011 ENDEAVOR — ADS-154

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Remote Key: 6370A364 USE OEM KEYS ONLY!	SELECT BY VEHICLE	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**G**-Tan Or SD

Note: 2007 model year is Split year. Either MIT3 (‘08) or MIT6 (‘06) keyway. Check the car!

Split Year

2006-2007 ENDEAVOR — ADS-154

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Remote Key: MN141383 USE OEM KEYS ONLY!	SELECT BY VEHICLE	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**G**-Tan Or SD

Note: Some 2006 models are not CAN and can be programmed like a 2005 model.

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2004-2005 ENDEAVOR — ADS-117

STRATTEC /	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
690564 (N Chip) - - - - - - 690562 (A Chip)	SELECT BY VEHICLE	No	No	Not Needed	**A**-Black Or SD

Note: Some 2004-2005 Endeavor models use the “N” transponder chip & some use the “A” chip.

Split Year

2007-2012 GALANT — ADS-154

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Remote Key: MN141545 USE OEM KEYS ONLY!	SELECT BY VEHICLE	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**G**-Tan Or SD

Note: 2007 model year is Split year. Either MIT3 (‘08) or MIT6 (‘06) keyway. Check the car!

2006-2007 GALANT — ADS-154

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Remote Key: MN141381 USE OEM KEYS ONLY!	SELECT BY VEHICLE	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**G**-Tan Or SD

Note: 2007 model year is Split year. Either MIT3 (‘08) or MIT6 (‘06) keyway. Check the car!

2004-2005 GALANT — ADS- 117

STRATTEC / /	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
692562 692020	SELECT BY VEHICLE	No	No	Not Needed	**A**-Black Or SD

2000-2003 GALANT — ADS- 117

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
 MIT13-PT	SELECT BY VEHICLE	No	No	Not Needed	**A**-Black Or SD

2008-2015 LANCER WITH PROXIMITY TWIST IGNITION — ADS-154

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Prox Remote: 8637A228 Dealer Key Blade: 6370A770	SELECT BY VEHICLE	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**G**-Tan Or SD

2008-2015 LANCER WITH KEY IGNITION — ADS-154

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Remote Key: 6370A477 USE OEM KEYS ONLY!	SELECT BY VEHICLE	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**G**-Tan Or SD

2008-2012 LANCER EVO WITH PROXIMITY TWIST IGNITION — ADS-154

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Prox Remote: 8637A228 Dealer Key Blade: 6370A770	SELECT BY VEHICLE	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**G**-Tan Or SD

2003-2006 LANCER EVO — ADS-117

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
 MITS14-PT	SELECT BY VEHICLE	No	No	Not Needed	**A**-Black Or SD

2014-2017 MIRAGE WITH KEY IGNITION — ADS-189

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Remote Key: 6370B904 USE OEM KEYS ONLY!	SELECT BY VEHICLE Use Beta	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**G**-Tan Or SD
Use Lancer CAN for RKE programming					

2001-2006 MONTERO — ADS-117

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
 MIT12-PT	SELECT BY VEHICLE	No	No	Not Needed	**A**-Black Or SD

2000-2004 MONTERO SPORT — ADS-117

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
 MIT12-PT	SELECT BY VEHICLE	No	No	Not Needed	**A**-Black Or SD

2008-2014 OUTLANDER WITH PROXIMITY TWIST IGNITION — ADS-154

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Prox Remote: 8637A316 Dealer Key Blade: 6370A770	SELECT BY VEHICLE	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**G**-Tan Or SD

2007 OUTLANDER WITH PROXIMITY TWIST IGNITION — ADS-154

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Prox Remote: 8637A025 Dealer Key Blade: 6370A362	SELECT BY VEHICLE	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**G**-Tan Or SD

2007-2012 OUTLANDER WITH KEY IGNITION — ADS-154

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Remote Key: 6370A148 Non Remote Key: MN141307	OUTLANDER CAN	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**G**-Tan Or SD

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2004-2006 OUTLANDER — ADS-117

DEALER /	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Key: MN141307 USE OEM KEYS ONLY!	SELECT BY VEHICLE	No	No	Not Needed	**A**-Black Or SD

2011-2014 OUTLANDER SPORT — ADS-189

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Prox Remote	SELECT BY VEHICLE	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**G**-Tan Or SD

Note: This software is currently under development. Currently a NEW prox can only be programmed if you already have a working prox. No programming from an ALL prox keys lost situation. However, this is better than nothing & good for duplicates.

2008-2009 RAIDER — ADS-156

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Y164-PT	CAN 4 Optional Non-Transponder instructions	**Yes**	**Yes**	Possible w/ ADS-157 on T-Code or 1 Token on MVP	**A**-Black Or SD

Note: This is a DODGE made vehicle. See Dodge Dakota.

2006-2007 RAIDER — ADS-156

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Y164-PT	CAN 1 Optional Non-Transponder instructions	**Yes**	**Yes**	Possible w/ ADS-157 on T-Code or 1 Token on MVP	**A**-Black Or SD

Note: This is a DODGE made vehicle. See Dodge Dakota.

Important Note about Mitsubishi Keys needed on CAN systems:
We ONLY recommend using brand new DEALER REMOTE HEAD KEYS on these vehicles.
There are aftermarket blanks available but from what we have seen they very often will NOT program in successfully, even using dealer equipment.
ATTENTION MVP USERS: NO LOST TOKENS WILL BE REFUNDED FOR USING IMPROPER KEYS

Also beware of component mis-match on ALL Mitsubishi.
If components have been swapped or changed DEALER EQUIPMENT. is required to re-match components.

MITSUBISHI
NON-CAN & CAN
KEYED IGNITION SYSTEMS



SPECIAL FUNCTIONS

PROGRAM KEYS- Erases all currently programmed keys and programs up to 8 keys total in one sequence.

KEYS PROGRAMMED- Displays the number of keys currently programmed in memory.

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-117	ADC-250 / ADC- 251 SEE GUIDE FOR DONGLE SELECTION
MAX # KEYS:	**SMART DONGLE?**
8	YES
KEYS:	**SECURITY:**
NON CAN SYSTEM KEYS ARE RE-USABLE LATER CAN SYSTEMS CHIPS LOCK TO VEHICLE AND CANNOT BE USED AGAIN ON ANOTHER VEHICLE	PIN AUTOMATICALLY SENT BY THE SOFTWARE- The MVP or T-CODE will automatically input the correct Pin code into the system. If it is incorrect, "INCORRECT ACCESS CODE" will be displayed. This will occur if you selected the wrong vehicle menu choice.
	COMPONENTS MATCHED?
	YES
	MATCHING CAPABILITY?
	NONE

SECURITY LIGHT / THEFT INDICATOR:

When the vehicle is started the theft light / indicator should be out. (Not blinking etc)

MORE INFO:

Watch Programming Video-



2005 Mitsubishi Galant key programming

Watch Programming Video-



2006 ECLIPSE

MITSUBISHI
NON-CAN & CAN KEYED IGNITION SYSTEMS

Use this method to PROGRAM KEYS

Select:
+MITSUBISHI
+BY VEHICLE
+IMMOBILIZER

Select your model and year of the menu.

For Lancer EVO use “Lancer EVO” not “EVO”.



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWITCH IGNITION ON

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

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

DIAGNOSTIC MENU

PROGRAMMED KEYS
> PROGRAM KEYS

NOTE : All current keys will be erased.

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

PROGRAM KEYS

. . . . . .

PROGRAM KEYS

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

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

PROGRAM KEYS

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

PROGRAM KEYS

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

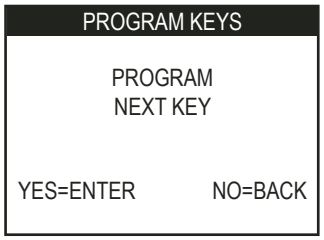
The MVP or T-CODE will automatically input the correct Pin code into the system. If it is incorrect, “INCORRECT ACCESS CODE” will be displayed.

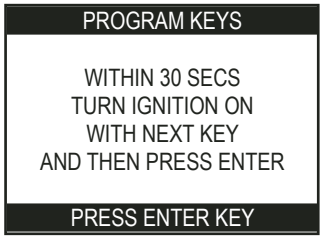
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MITSUBISHI
NON-CAN & CAN KEYED IGNITION SYSTEMS

Use this method to PROGRAM KEYS- CONT"D







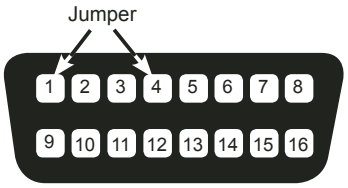


Your keys should now be programmed. You only need 1 key to program and start the vehicle.

REMOTE PROGRAMMING
"PIN JUMP PROCEDURE"

Except on Lancer, Mirage and Outlander the Remote Head Programming is a separate On-Board Procedure that does not require the PRO

(Lancer, Mirage, Outlander, see instructions on next page.)



Carefully jump Pins 1 & 4 on the OBD2 port using a fused lead
or use our handy ADC-194 adaptor

ADC194 Mitsubishi Remote Programming Adapter



Plug this adapter into the vehicles OBD port and follow your Mitsubishi on-board remote programming instructions. This device will jump the correct pins needed to program.

Once you have connected the Adaptor (or jumped the pins):

Step 1:
Insert the key into the ignition lock and leave it in the "Off" position.

Step 2:
Once you have the Jumper in place you will need to press the Emergency Flashers, also known as Hazard Lights, 6 (six) times within 10 seconds of setting the Jumper.
You should hear and see the door locks cycle.

Step 3:
Press the Lock button on the Remote Head 3 (three) times, within 10 seconds of watching the door locks cycle.
You should hear and see the door locks cycle again.
Program any other remotes now or they will not work any longer.
Remove the key and the Jumper.

LANCER, MIRAGE, OUTLANDER REMOTE HEAD KEY
"A MANUAL PROCEDURE"



How to program the buttons on Remote Head Keys:

1. Connect the PRO to the car's OBD2 port using the TAN G dongle and ADC-250 cable.

2. Select +Mitsubishi/+USA/+LANCER CAN

3. Perform SMC or Web Security as necessary. Switch the IGNITION ON when instructed by the PRO.

4. ECU IDENTIFICATION SCREEN with some part numbers should appear. PRESS ENTER.

5. Go to the SPECIAL FUNCTION MENU.

6. SELECT +PROGRAM REMOTE

7. A WARNING "ALL KEYS WILL BE CLEARED DO YOU WISH TO CONTINUE."
SELECT the CHECK MARK to continue.

8. RKE PROGRAMMING SCREEN should appear saying to perform manual procedure and the # of remotes currently programmed. LEAVE THE KEY IN THE ON POSITION, set the PRO aside so you can perform the necessary steps with the remote but make sure you can see the PRO screen.

9. PRESS AND HOLD the LOCK & UNLOCK BUTTON on the RKE for 2 seconds
(or 4 flashes of the LED on the RKE)

10.Release both buttons and wait 1 second.

11 PRESS AND HOLD the UNLOCK button for 2 seconds (or 2 flashes of the RKE LED)

12. If the procedure has worked the LED on the RKE will flash once and the PRO screen should show the number of remotes programmed go up..

13. Repeat steps 9-12 until the max number of up to 4 RKE's are programmed.

NOTES:
A. ALL RKE MUST BE PROGRAMMED IN THE SAME SEQUENCE.
b. ALL PREVIOUSLY PROGRAMMED RKE's are erased and only those used in the procedure are programmed.
C. It may take a few tries. vary the timing a bit on holding the buttons until you are successful.

MITSUBISHI LANCER & OUTLANDER PROXIMITY SYSTEMS

STEP 1 Use this method to Program the Transponder inside the PROX

VEHICLE SELECTION

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

VEHICLE SELECTION

EURO
AUS
> USA
ISRAEL

VEHICLE SELECTION

DIAMONTE
ECLIPSE
ECLIPSE CAN
ENDEAVOR
ENDEAVOR CAN
EVO
GALANT (00-03)
GALANT (04-05)
GALANT CAN
LANCER EVO
LANCER EVO (CAN)
MONTERO
MONTERO SPORT
OUTLANDER
OUTLANDER (CAN)
OTHER

Select the CAN model you are working on. You may have to scroll down the screen to find the model.

VEHICLE SELECTION

> PROXIMITY
NON PROXIMITY



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

HARDWARE SER No.
8637A066
CHAHSIS NO
4A4MN21S07E076418

PRESS ENTER KEY

The above numbers are examples only.

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU

SECURITY ACCESS
> KEY AND FAST KEY REG
KEYS PROGRAMMED

CLEAR KEYS

WARNING
ALL KEYS WILL
CLEARED
CONTINUE

YES=ENTER NO=BACK

PROGRAM KEYS

SUCCESS

PRESS ENTER KEY

continued on next page >

MITSUBISHI LANCER & OUTLANDER PROXIMITY SYSTEMS

STEP 2 Use this method to program the RKE functions of the PROX

The transponder chip in the Prox should now be programmed.
You only need 1 Prox to program and start the vehicle.
You can program additional Prox, if necessary.

Now continue on to program the wireless part of the Prox - which is also known as FAST Key.
Mitsubishi calls this Prox system F.A.S.T. which stands for:

Freehand
Advanced
Security
Transmitter



Insert the factory Emergency Key into the ignition lock cylinder and turn to the "Run" position.



Next place the Prox Remote onto the Emergency key sticking out of the ignition.



Remove the "Twist" knob by squeezing the two tabs together, one on each side.





Once you have the "Twist" knob removed the mechanical keyway is exposed.





KEY AND FAST KEY REG

DO YOU WANT TO
PROGRAM F.A.S.T. KEY

YES=ENTER NO=BACK

KEY AND FAST KEY REG

PRESS LOCK BUTTON
TWICE ON F.A.S.T.
KEYS WITHIN 1 MIN
CHIME WILL BE HEARD

BACK TO EXIT

The chime will be very hard to hear and sounds about 3 seconds after pressing the remote twice.
Program any other remotes you have now - before pressing the Back button to exit.

KEY AND FAST KEY REG

PROCEDURE COMPLETE

PRESS ENTER KEY

The "Twist" knob should now allow you to push in and turn it ON to start the car without any key in the ignition.

SAAB SECTION





T-CODE SOFTWARE PACKS:

Saab USA (ADS-144)



1998-2003 9-3 & 9-5 — ADS-144

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Key Required	SELECT BY VEHICLE	Yes	No	Not Needed	**A**-Black Or SD

Note: If all keys are lost, Immobilizer Box (TWICE module) must be replaced or reflashed.

Also, requires a **PIN CODE** that can be obtained from Advanced-Diagnostics.com (user login required)

2003-2010 9-5 Sport w/ slot key (Stubby Key) — ADS-144

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Key Required	Sport (CAN)	Yes	No	Not Needed	**A**-Black Or SD

Note: If all keys are lost, Immobilizer Box (CIM module) must be replaced or reflashed.

Requires a **PIN CODE** that can be obtained from Advanced-Diagnostics.com (user login required)

Keys: Must be brand new never used before (Virgin)!

See: Advanced Diagnostics.com downloads for complete instructions. (user login required)

2010-2011 9-4X — ADS-187

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Prox Remote Required	SELECT CADILLAC SRX	**Yes**	**Yes**	Possible	**K**-Brown Or SD

Note: This vehicle is made by General Motors

2005-2009 9-7X — ADS-139

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
PT04-PT	SELECT GM USA IMMO Type 2	No	No	Not Needed	**C**-Green Or SD

Note: This vehicle is made by General Motors

SAAB
TWICE MODULE
IMMOBILIZER



SPECIAL FUNCTIONS

SPARE PART PROGRAMMING- This function is used when the TWICE has been replaced.

PROGRAM IMMOBILIZER- This function is used when the TWICE has been replaced.

KEY PROGRAMMING- This function is used to Program Keys (Must have a working key or a chip that is matched to the TWICE Module.

T-CODE SOFTWARE #	CABLE / DONGLE:
	ADC-250 / ADC- 251 A (BLACK) DONGLE
MAX # KEYS:	**SMART DONGLE?**
	YES
PROX KEYS:	**SECURITY:**
Re-usable. (SEE NOTE)	Saab Programming requires a VIN specific PIN CODE that can be obtained at advanced-diagnostics.com (A registered users login is required)
	COMPONENTS MATCHED?
	YES
	MATCHING CAPABILITY?
	YES

SECURITY LIGHT / THEFT INDICATOR:

.

MORE INFO:

When the TWICE module is replaced, the procedure of functions that are required needs to be performed in the following order;

1. SPARE PART PROGRAMMING
   (which you would have just
   completed in this procedure)

2. PROGRAM IMMOBILISER

3. KEY PROGRAMMING

- Finish Line -

KEYS PROGRAMMED

The current key number can be displayed on the SID (SAAB information display) if the boot release button is pressed with the ignition On.

TWICE' stands for Theft Warning Integrated Central Electronics. The 'TWICE' control module is located under the left-hand front seat, screwed to the floor.



You need to have a working key to ADD more keys using the PRO. If no keys are avaialble you must either REPLACE or Re-FLASH the TWICE module.

TWICE MODULE IMMOBILIZER

Use this method to ADD KEYS & REMOTES

This method is for ADDING a key when you have an existing key that is already programmed and in working order.

VEHICLE SELECTION

ROVER
> SAAB
SUBARU
SUZUKI
TOYOTA
VAG GROUP

VEHICLE SELECTION

9-3
9-5



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWITCH IGNITION ON

PRESS ENTER KEY

PLEASE WAIT
TRYING TO COMMUNICATE

ECU IDENTIFICATION

SAAB REF: 12759474
SYS: TWICE
DIAG: 1D:010

PRESS ENTER KEY

After communication, the ECU identification will be displayed.

An example is shown.

DIAGNOSTIC MENU

FAULT CODES
LIVE DATA
ACTUATORS
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU

> KEY PROGRAMMING
SPARE PART PROG
PROGRAM IMMOBILISER

KEY
IGNITION ON

PRESS ENTER KEY

PROGRAMMING KEYS

1) WATCH THE 'FASTEN SEAT BELT' LAMP
2) PRESS UNLOCK MORE THAN 8 TIMES.
3) REPLACE AND REPEAT WITH NEXT KEY.

PRESS ENTER KEY

Press the remote unlock button more than 8 times until the FASTEN SEAT BELT LAMP (see picture below) flashes briefly.
Repeat for all remotes.



PROCEDURE COMPLETE

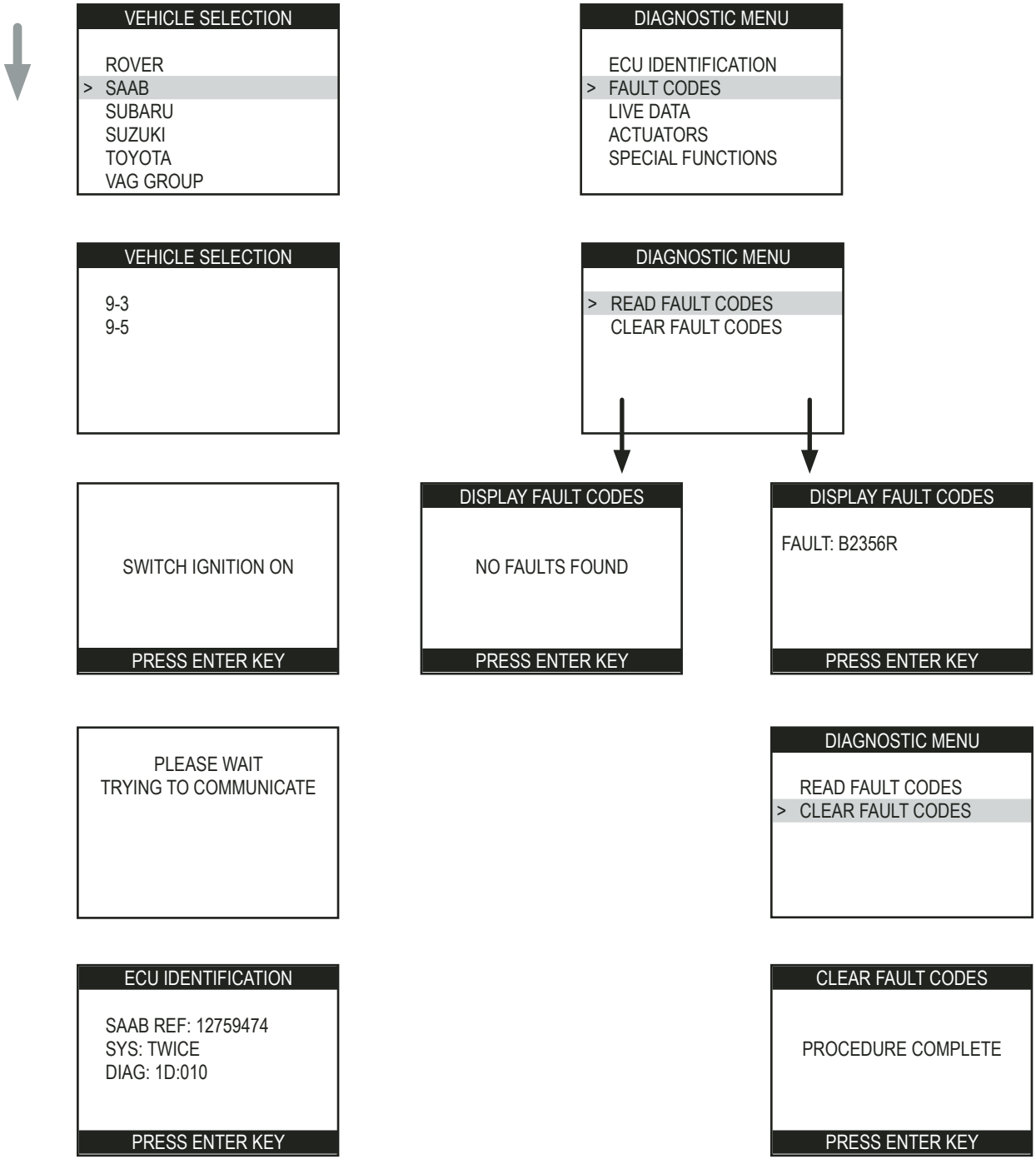
PRESS ENTER KEY

Clear all faults in the fault memory of the 'TWICE' after programming.

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TWICE MODULE IMMOBILIZER

Use this method to READ & CLEAR FAULT CODES



TWICE MODULE IMMOBILIZER

Use this methode for LIVE DATA and ACTUATORS

VEHICLE SELECTION

ROVER
> SAAB
SUBARU
SUZUKI
TOYOTA
VAG GROUP

VEHICLE SELECTION

9-3
9-5



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWITCH IGNITION ON

PRESS ENTER KEY

PLEASE WAIT
TRYING TO COMMUNICATE

ECU IDENTIFICATION

SAAB REF: 12759474
SYS: TWICE
DIAG: 1D:010

PRESS ENTER KEY

DIAGNOSTIC MENU

FAULT CODES
> LIVE DATA
ACTUATORS
SPECIAL FUNCTIONS

LIVE DATA

VEH SPEED	0.0M
EXT TEMP	71.0F
IGN 15	ON
DOOR DRIVER	OPEN
PASSENGER DR	CLOSED
RR DOOR	CLOSED

Select LIVE DATA to display useful information about the state of the vehicle.

To see more items, use the UP and DOWN buttons.

DIAGNOSTIC MENU

FAULT CODES
LIVE DATA
> ACTUATORS
SPECIAL FUNCTIONS

ACTUATORS

LOCKING OF ALL DOORS
ALL DOORS THEFT
DRIVER DOOR UNLOCK
PASS DOOR UNLOCK
REAR DOORS UNLOCK
TRUNK OPENING

Select ACTUATORS to operate specific components on the vehicle.

TWICE MODULE IMMOBILIZER

Use this method for SPARE PART PROGRAMMING

Use this selection to first program the new 'TWICE' module into the vehicle.

VEHICLE SELECTION

ROVER
> SAAB
SUBARU
SUZUKI
TOYOTA
VAG GROUP

VEHICLE SELECTION

9-3
9-5



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWITCH IGNITION ON

PRESS ENTER KEY

PLEASE WAIT
TRYING TO COMMUNICATE

ECU IDENTIFICATION

SAAB REF: 12759474
SYS: TWICE
DIAG: 1D:010

PRESS ENTER KEY

After communication, the ECU identification will be displayed.

An example is shown.

DIAGNOSTIC MENU

KEY PROGRAMMING
> SPARE PART PROG
PROGRAM IMMOBILISER

MARKET OPTIONS

EU
LA
> US / CA
ME / AU / PA
JP

MARKET OPTIONS:

Select US

ALARM OPTIONS

WITHOUT ALARM
GLASS BREAK SENSOR
GLASS & TILT SENSOR

ALARM OPTIONS:

Select the required ALARM type, if you not sure check the specification of the vehicle with the owner.

WHEEL POSITION

LEFT HAND DRIVE
RIGHT HAND DRIVE

WHEEL POSITION:

Select the WHEEL POSITION for LHD or RHD.

continued on next page....

TWICE MODULE IMMOBILIZER

Use this method for SPARE PART PROGRAMMING- Continued



REAR HEATED SEAT

WITHOUT
WITH

BODY STYLE:

Select whether the vehicle is a 3 Door, 5 Door, or Convertible.

PROCEDURE COMPLETE

PRESS ENTER KEY

REAR HEATED SEAT:

Select whether the vehicle has a REAR HEATED SEAT.

ENGINE TYPE

PETROL
DIESEL

When the TWICE module is replaced, the procedure of functions that are required needs to be performed in the following order;

1. SPARE PART PROGRAMMING (which you would have just completed in this procedure)
2. PROGRAM IMMOBILISER
3. KEY PROGRAMMING

- Finish Line -

POWER SEAT

WITHOUT
WITH

ENGINE TYPE:

Select what ENGINE TYPE the vehicle has.

PETROL = GASOLINE

POWER SEAT:

Select whether the vehicle has a POWER SEAT.

ARE YOU SURE
YES=ENTER NO=BACK

BODY STYLE

3d
5d
CABRIOLET

Once all the options have been chosen, select YES or NO

PLEASE MAKE SURE YOU HAVE SELECTED THE CORRECT OPTIONS, OTHERWISE THE VEHICLE MAY NOT FUNCTION CORRECTLY.

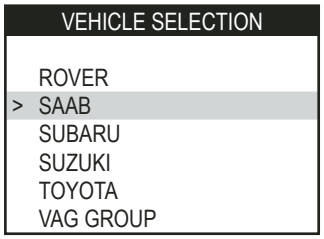
Erase all DTCs in the fault memory of the 'TWICE' after programming.

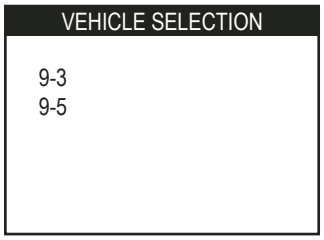
TWICE MODULE IMMOBILIZER

Use this method to PROGRAM IMMOBILIZER

Use this function to match the IMMOBILISER to the ENGINE MANAGEMENT system.

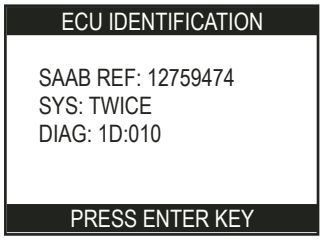






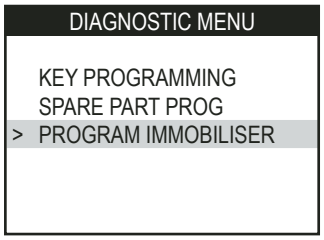


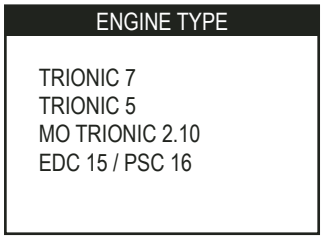




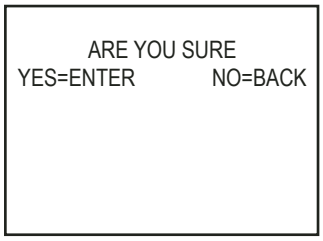
After communication, the ECU identification will be displayed.

An example is shown.





Select the required Engine system, and press the ENTER button.



Confirm procedure by selecting YES or NO.



If successful, PROCEDURE COMPLETE will be displayed.

Erase all DTCs in the fault memory of the 'TWICE' after programming.

SCION SECTION





T-CODE SOFTWARE PACKS:

Toyota & Lexus Basic (ADS-125)

Toyota & Lexus 2007 (ADS-150)

Toyota / Lexus 2010 (ADS-174)

Toyota 2013 (ADS-199)

Toyota & Lexus 2015 (ADS-227)

(Software names generally refer to the date of release on the T-CODE not the years of vehicles covered).

Find a Sales Representative Near You

2016 IA With Push to Start Proximity System — ADS-225

DEALER /	SYSTEM	SMART Card	PIN Required		PRO Dongle
Fob KDY3-67-5DY E-Key KDY3-76-201	Select MAZDA 6 2014>	Yes	Dealer INCODE Required*	*Free InCode Bypass now available for SD	**G**-Tan Or SD

THIS VEHICLE IS THE SAME AS A 2016 MAZDA 6.
Notes: Rolling code system, get Out-Code from tester and obtain In-code from Dealer or N.A.S.T.F.
Keep the tester connected or codes change to new ones and you will have to start over.
Both ADD PROX and ERASE PROX are available. 2 PROX are required if using ERASE PROX.

2013-2016 FR-S with Proximity START Button Ignition — ADS-227

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Prox Required	Select By Vehicle	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

2013-2016 FR-S with Keyed Ignition (Bladed) — ADS-227

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer G Key (NOT THE SAME AS THE TOYOTA G, chip is different)	Select By Vehicle	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

2012-2013 IQ (Canada) — ADS-174

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer G Key: 89785-08040 or DEALER RKE KEY	TOYOTA IMMO 5	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

Note:Transponder system may be optional. Use TOY / REMOTES / TYPE 4 to program RKE.
16 MINUTE BYPASS: Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)

2011-2015 TC with Proximity START Button Ignition — ADS-174

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Prox Required	TOYOTA PROX 6	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

2011-2015 TC with Keyed Ignition — ADS-174

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer G Key: 89785-08040 or DEALER RKE KEY	TOYOTA IMMO 5	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

Note:Transponder system may be optional. Use TOY / REMOTES / TYPE 4 to program RKE.
16 MINUTE BYPASS: Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)

2008-2010 TC — ADS-150

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
TOY44D-PT (4D Chip)	TOYOTA IMMO Type 4	No	No	Not Needed	**A**-Black Or SD

Note: For Type 4 lost key situations a “quick reset” feature is available, see last page of this section for details.

2005-2007 TC — ADS-125

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
TOY44D-PT (4D Chip)	TOYOTA IMMO Type 2	No	No	Not Needed	**A**--Black Or SD

Note: For Type 4 lost key situations a “quick reset” feature is available, see last page of this section for details.

2012-2014 XB (Canada) — ADS-174

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer G Key: 89785-08040 or DEALER RKE KEY	TOYOTA IMMO 5	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

16 MINUTE BYPASS: Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)
Use TOY / REMOTES / TYPE 4 to program RKE. / Transponder system may be optional.

2012-2013 XD (Canada) — ADS-174

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer G Key: 89785-08040 or DEALER RKE KEY	TOYOTA IMMO 5	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

16 MINUTE BYPASS: Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)
Use TOY / REMOTES / TYPE 4 to program RKE.

FR-S
PROX SYSTEM





SPECIAL FUNCTIONS

RESET IMMOBILIZER- This function erases all keys.This function is used when the customer has lost all their keys.

PROGRAM KEYS- This function allows you to add a PROX to the car's immobilizer system. Must have an existing programmed PROX key to start the procedure with.

KEYS PROGRAMMED- Displays the number of currently registered proximity keys.

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-227	ADC-250 / ADC- 251 A (BLACK) DONGLE
MAX # PROX KEYS:	**SMART DONGLE?**
4	YES
PROX KEYS:	**SECURITY:**
Re-usable. (SEE NOTE)	NO PIN CODE
	COMPONENTS MATCHED?
	YES
	MATCHING CAPABILITY?
	NONE

SECURITY LIGHT / THEFT INDICATOR:

Light should be out anytime a programmed PROX is in the vehicle.

MORE INFO:

DRIVERS DOOR- Must be kept open during entire RESET procedure.

VEHICLE VOLTAGE- It's critical for success that the voltage be 12 volts or above. Use jumper cables or a battery pack whenever possible to boost voltage even if you think it's not needed.
This will help avoid failure, especially during a 16 minute RESET.

PROX BATTERY- Its necessary to have a good battery in ALL the PROX being used for these procedures. Replace it with a fresh one if there is any doubt.

HAVE ONLY 1 PROX AT TIME IN THE CAR WHEN PROGRAMMING- they can interfere with one another so keep them separate and only have one new one in the car during programming.

PROX CIRCUIT BOARDS MUST MATCH -
Some prox have the same part # and or FCC ID on the case but contain different circuit boards.
Open them up and compare when possible.

PROX MUST BE BRAND NEW- Only brand new virgin Prox can be added. If the PROX is one that is compatable but previously used on another car it can (in most but not all cases) be added successfully. However, an IMMOBILIZER RESET must be performed first and the used PROX introduced as the 1st prox programmed.

FR-S
PROX SYSTEM

ADD ADDITIONAL PROX - (PROGRAM KEY)
MUST HAVE AT LEAST 1 PROGRAMMED PROX - OTHERWISE MUST RESET

Select:

+SCION
+BY VEHICLE
+FRS
+PROXIMITY



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

HAZARDS ON / IGNITION OFF

PRESS ENTER KEY

ECU IDENTIFICATION

TOYOTA IMMOBILIZER

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
> SPECIAL FUNCTIONS

PRESS ENTER KEY

DIAGNOSTIC MENU

KEYS PROGRAMMED
RESET IMMOBILIZER
> PROGRAM KEYS

PRESS ENTER KEY

PROGRAM KEYS

THIS FUNCTION IS USED TO ADD KEYS
MAXIMUM OF 6 KEYS

THIS STEP MUST BE DONE IN THE TIME LIMIT. IT WILL FAIL IF THE WORK DOES NOT FINISH IN TIME LIMIT.

PRESS ENTER KEY

PROGRAM KEYS

WHEN INSTRUCTED TO PROCEED TOUCH START BUTTON WITH EMBLEM SIDE REGISTERED KEY
THIS PROCESS MUST BE DONE WITHIN 30 SECONDS

PRESS ENTER KEY

PROGRAM KEYS

TOUCH START STOP BUTTON WITH EMBLEM SIDE OF REGISTERED KEY

WITHIN 30 SECONDS

A “BEEP” SHOULD BE HEARD FROM THE CAR AND THE SCREEN SHOULD CHANGE



PROGRAM KEYS

TOUCH START STOP BUTTON WITH EMBLEM SIDE OF NEW KEY TO BE REGISTERED
WITHIN 30 SECONDS

ONCE THE KEY REGISTERS THE SCREEN SHOULD DISPLAY:
“PROCEDURE COMPLETE”.

PROGRAM KEYS

PROCEDURE COMPLETE

PRESS ENTER KEY

REPEAT THIS PROCEDURE IF YOU HAVE MORE PROX KEYS TO ADD

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FR-S
KEYED IMMOBILIZER





SPECIAL FUNCTIONS

KEYS PROGRAMMED- This function reads the number of KEYS & REMOTES programmed.

RESET IMMOBILIZER- This function allows you to erase all keys and to place the immobilizer in “Learn Mode”. This function is used when the customer has lost all their keys.

PROGRAM KEYS- This function is used to ADD Master or Valet Keys. You must have 1 already programmed Master Key to perform this procedure.

ERASE REMOTES- This function ERASES all current remotes and programs in just the remote used for the procedure.

PROGRAM REMOTES- This function ADDS Remotes.

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-227	ADC-250 / ADC- 251 A (BLACK) DONGLE
MAX # OF KEYS:	**SMART DONGLE?**
4-MASTER 2 VALET 6 TOTAL MAX	YES
KEYS:	**SECURITY:**
OEM KEYS & REMOTES ARE RE-USABLE	NO PIN CODE
	COMPONENTS MATCHED?
	YES
	MATCHING CAPABILITY?
	NOT AVAILABLE

SECURITY LIGHT / THEFT INDICATOR:

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

MORE INFO:

OEM Scion Keys have a “G” stamped on the blade.
The chip is different than a Toyota “G” Key.

FR-S
KEYED IMMOBILIZER

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

ONLY AN ORIGINAL OEM SCION KEY CAN BE USED!
A VALET KEY WILL NOT WORK! NO AFTERMARKET KEYS WILL WORK (At time of printing).

Select:
+SCION
+BY VEHICLE
+FRS
+BLADED



DIAGNOSTIC MENU
SWITCH IGNITION ON
PRESS ENTER KEY

ECU IDENTIFICATION
SCION IMMOBILISER
PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
> SPECIAL FUNCTIONS
PRESS ENTER KEY

DIAGNOSTIC MENU
KEYS PROGRAMMED
> RESET IMMOBILISER
CLEAR KEYS
PROGRAM KEYS
ERASE REMOTES
PROGRAM REMOTES
PRESS ENTER KEY

WARNING:
OPEN THE DRIVERS DOOR
&
MAKE SURE IT STAYS OPEN
UNTIL RESET IS COMPLETED!

RESET IMMOBILISER
THIS FUNCTION IS USED TO ERASE TO ERASE ALL THE KEYS
SWITCH IGNITION ON

X ✔

RESET IMMOBILISER
THIS PROCESS WILL TAKE
APROXIMATLY 16 MINUTES
PRESS ENTER KEY

RESET IMMOBILISER
PLEASE WAIT
16 MINUTES REMAINING
3 KEYS PROGRAMMED

RESET IMMOBILISER
PROCEDURE COMPLETE
PRESS ENTER KEY

CHECK "KEYS PROGRAMMED"

CONTINUE ON NEXT PAGE>>>

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FR-S
KEYED IMMOBILIZER

RESET Immobilizer - CONTINUED
(Use this method if you have no Master Keys.)

KEYS PROGRAMMED
KEYS PROGRAMMED : 0
REMOTES PROGRAMMED : 2
PRESS ENTER KEY

KEYS PROGRAMMED SHOULD DISPLAY "0" AFTER THE RESET.

NOW GO TO PROGRAM KEYS

DIAGNOSTIC MENU
KEYS PROGRAMMED
RESET IMMOBILISER
CLEAR KEYS
> PROGRAM KEYS
ERASE REMOTES
PROGRAM REMOTES
PRESS ENTER KEY

PROGRAM KEYS
THIS FUNCTION IS USED TO ADD KEYS
THIS STEP MUST BE DONE IN THE TIME LIMIT. IT WILL FAIL IF THE WORK DOES NOT FINISH IN TIME LIMIT.
PRESS ENTER KEY

PROGRAM KEYS
INSERT WORKING KEY
SWITCH IGNITION ON
PRESS ENTER KEY

DURING A RESET THIS MEANS A MASTER KEY

PROGRAM KEYS
THE MAXIMUM NUMBER OF KEYS
WHICH CAN BE PROGRAMMED IS
6
PRESS ENTER KEY

PROGRAM KEYS
REMOVE THE CURRENT KEY
SWITCH IGNITION ON WITH EACH KEY TO BE PROGRAMMED INSERT ALL KEYS WITHIN THE 60 SECONDS
PRESS ENTER KEY

INSERT EACH KEY YOU WANT TO PROGRAM AND TURN THE IGNITION ON FOR ABOUT 5 SECONDS EACH.

DIAGNOSTIC MENU
PROCEDURE COMPLETE
PRESS ENTER KEY

YOU SHOULD PROBABLY CHECK "KEYS PROGRAMMED AGAIN AT THIS POINT.

KEYS PROGRAMMED
KEYS PROGRAMMED : 0
REMOTES PROGRAMMED : 2
PRESS ENTER KEY

GO TO PROGRAM REMOTES IF YOU NEED TO PROGRAM THE REMOTE HEAD BUTTONS

FR-S
KEYED IMMOBILIZER

PROGRAM KEYS
(Use this method to ADD Master or Valet Keys)

Adding keys using program key procedure requires a programmed master key. If you do not have one, see RESET IMMOBILISER.

Select:
+SCION
+BY VEHICLE
+FRS
+BLADED



DIAGNOSTIC MENU
SWITCH IGNITION ON
PRESS ENTER KEY

ECU IDENTIFICATION
SCION IMMOBILISER
PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
> SPECIAL FUNCTIONS
PRESS ENTER KEY

DIAGNOSTIC MENU
KEYS PROGRAMMED
RESET IMMOBILISER
CLEAR KEYS
> PROGRAM KEYS
ERASE REMOTES
PROGRAM REMOTES
PRESS ENTER KEY

PROGRAM KEYS
THIS FUNCTION IS USED TO ADD KEYS
THIS STEP MUST BE DONE IN THE TIME LIMIT. IT WILL FAIL IF THE WORK DOES NOT FINISH IN TIME LIMIT.
PRESS ENTER KEY

PROGRAM KEYS
INSERT WORKING KEY
SWITCH IGNITION ON
PRESS ENTER KEY

Key must be a Programmed Master Key for this procedure to work.

PROGRAM KEYS
THE MAXIMUM NUMBER OF KEYS
WHICH CAN BE PROGRAMMED IS
6
PRESS ENTER KEY

PROGRAM KEYS
REMOVE THE CURRENT KEY
SWITCH IGNITION ON WITH EACH KEY TO BE PROGRAMMED INSERT ALL KEYS WITHIN THE 60 SECONDS
PRESS ENTER KEY

INSERT EACH KEY YOU WANT TO PROGRAM AND TURN THE IGNITION ON FOR ABOUT 5 SECONDS EACH.

FR-S
KEYED IMMOBILIZER

PROGRAM KEYS - Continued
(Use this method to ADD Master or Valet Keys)

DIAGNOSTIC MENU
PROCEDURE COMPLETE
PRESS ENTER KEY

YOU SHOULD PROBABLY CHECK "KEYS PROGRAMMED AGAIN AT THIS POINT.

KEYS PROGRAMMED
KEYS PROGRAMMED : 0
REMOTES PROGRAMMED : 2
PRESS ENTER KEY

GO TO PROGRAM REMOTES IF YOU NEED TO PROGRAM THE REMOTE HEAD BUTTONS

DIAGNOSTIC MENU
KEYS PROGRAMMED
RESET IMMOBILISER
CLEAR KEYS
PROGRAM KEYS
ERASE REMOTES
PROGRAM REMOTES
PRESS ENTER KEY

Very easy to use just follow the screens. Up to 4 Remotes Total Max.

SMART SECTION





T-CODE SOFTWARE PACKS:

Smart Car Programming (ADS-179)



2008-2014 FORTWO (W451)				ADS-179	
DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Key Required	Select by Vehicle	Yes	No	Not Needed	**G**-Tan Or SD
Note: Remote programs in along with transponder.					

SMART CAR
SMART FORTWO MODELS
W/ BLADED IGNITION





SPECIAL FUNCTIONS

PROGRAM KEY- Erases all currently programmed keys and programs in up to 6 keys.

KEYS PROGRAMMED- Displays the number of currently registered proximity keys.

HAVE ALL KEYS YOU WANT TO PROGRAM READY BEFORE STARTING PROGRAMMING.

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-179	ADC-250 / ADC- 251 A (BLACK) DONGLE
MAX # KEYS:	**SMART DONGLE?**
6	YES
KEYS:	**SECURITY:**
Lock to vehicle, so must be fresh / virgin. Keys can be erased and re-programmed back into the same vehicle.	NO PIN CODE
	COMPONENTS MATCHED?
	YES
	MATCHING CAPABILITY?
	NONE
SECURITY LIGHT / THEFT INDICATOR:	

MORE INFO:

WATCH VIDEO -



Programming an all keys lost Smart For Two by Mercedes with Advanced Diagnostics MVP-Pro

All keys lost new key programming 2010 Smart For Two car by Mobile Miami Locksmith

YOUTUBE.COM

SMART CAR
SMART FORTWO MODELS
W/ BLADED IGNITION

Use this method to *PROGRAM KEYS*

Select:

+SMART
+ALL REGIONS
+BY VEHICLE
+FORTWO
+2007->2014 (451)



DIAGNOSTIC MENU
SWITCH IGNITION ON
PRESS ENTER KEY

ECU IDENTIFICATION
VIN: WMEEJ31X19KXXXXXX
PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS
PRESS ENTER KEY

DIAGNOSTIC MENU
> PROGRAM KEY
KEYS PROGRAMMED
PRESS ENTER KEY

PROGRAM KEYS
PLEASE WAIT .....

PROGRAM KEYS
SWITCH IGNITION OFF WITHIN
20 SEC

PROGRAM KEYS
SWITCH IGNITION ON WITHIN
20 SEC

PROGRAM KEYS
PLEASE WAIT .....

PROGRAM KEYS
DO YOU WANT TO PROGRAM MORE KEYS?
X ✔

CHOOSE YES ✔ OR NO X.

NO = IF YOU WANT DO NOT WANT TO PROGRAM MORE KEYS.

YES = IF YOU WANT TO PROGRAM MORE KEYS.

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SMART CAR
SMART FORTWO MODELS
W/ BLADED IGNITION

Use this method to *PROGRAM KEYS - Cont'd*

PROGRAM KEYS
PROCEDURE COMPLETE

TEST ALL KEYS FOR PROPER OPERATION.

SUBARU SECTION





T-CODE SOFTWARE PACKS:

Subaru Basic USA (ADS-127)

Subaru 2015 (ADS-228)

Subaru 2016 (ADS-255) -*New Release for October 2016*

(Software names generally refer to the date of release on the T-CODE not the years of vehicles covered).

Find a Sales Representative Near You

SUBARU WARNINGS

SUBARU 2016 - ADS-255 SOFTWARE CAN'T BE BE USED FOR LOST KEY SITUATIONS.
WHEN THERE IS NO REGISTERED KEY AVAILABLE THE SOFTWARE CANNOT BE USED. ADS-255 Requires BETA 12.78 or higher.

DO NOT TRY TO USE THE IMMO TYPE1A SELECTION ON ANY VEHICLE WITH THE SUBARU "G" KEY SYSTEM. IT'S NOT DESINGED FOR "G" KEY SYSTEMS AND MAY CAUSE DISABLING THE VEHICLE.
USE ONLY THE IMMO TYPE 8 ON "G" KEY SYSTEM CARS TYPE 8 IS THE CORRECT SYSTEM TO USE!

2006-2007 B9 TRIBECA — ADS-127

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
SUB4-PT	TYPE 1A	Yes	NO	Not Needed	**A**-Black Or SD

2013-2016 BRZ WITH KEY IGNITION — ADS-255

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM KEY Subaru G Key	Select By Vehicle	Yes	NO	Not Needed	**A**-Black Or SD

SUBARU BR-Z SYSTEM IS ONLY FOR DUPLICATES, (NO LOST KEY SITUATIONS) MUST HAVE 1 REGISTERED PROX KEY TO PROCEED.
RKE PROGRAMMING IS AVAILABLE AS PART OF THE MENU.

2013-2016 BR-Z WITH PROXIMITY START BUTTON IGNITION — ADS-255

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM PROX Check with Distributor or Dealer for correct part to use.	Select By Vehicle	Yes	NO	Not Needed	**A**-Black Or SD

SUBARU BR-Z SYSTEM IS ONLY FOR DUPLICATES, (NO LOST KEY SITUATIONS) MUST HAVE 1 REGISTERED PROX KEY TO PROCEED. Requires 12.94 or higher

2014-2017 CROSSTREK WITH KEY IGNITION — ADS-255

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM KEY Subaru G Key	SELECT BY VEHICLE SUBARU IMMO TYPE 8	Yes	NO	Not Needed	**A**-Black Or SD

SUBARU "G-KEY" SYSTEM IS ONLY FOR DUPLICATES, MUST HAVE 1 REGISTERED KEY TO PROCEED. RKE PROGRAMMING IS AVAILABLE AS PART OF TYPE 8 MENU.

2014-2017 CROSSTREK WITH PROXIMITY START BUTTON IGNITION — ADS-255

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM PROX Check with Distributor or Dealer for correct part to use.	SELECT BY VEHICLE	Yes	NO	Not Needed	**A**-Black Or SD

SUBARU PROX SYSTEM IS ONLY FOR DUPLICATES, MUST HAVE 1 REGISTERED PROX KEY TO PROCEED.

2014-2017 FORESTER WITH KEY IGNITION — ADS-255

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM KEY Subaru G Key	SELECT BY VEHICLE SUBARU IMMO TYPE 8	Yes	NO	Not Needed	**A**-Black Or SD

SUBARU "G-KEY" SYSTEM IS ONLY FOR DUPLICATES, MUST HAVE 1 REGISTERED KEY TO PROCEED. RKE PROGRAMMING IS AVAILABLE AS PART OF TYPE 8 MENU.

2014-2017 FORESTER with Proximity START Button Ignition — ADS-255

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM PROX Check with Distributor or Dealer for correct part to use.	SELECT BY VEHICLE	Yes	NO	Not Needed	**A**-Black Or SD

SUBARU PROX SYSTEM IS ONLY FOR DUPLICATES, MUST HAVE 1 REGISTERED PROX KEY TO PROCEED.

2009-2013 FORESTER — ADS-127

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
57497SC010 or 57497AG070A Check with dealer for correct key by VIN.	TYPE 1A	Yes	NO	Not Needed	**A**-Black Or SD

2005-2008 FORESTER 2.5 XT — ADS-127

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
57497AE000	TYPE 1A	Yes	NO	Not Needed	**A**-Black Or SD

2012-2017 IMPREZA with KEY Ignition (G-KEY) — ADS-255

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM KEY Subaru G Key	SELECT BY VEHICLE SUBARU IMMO TYPE 8	Yes	NO	Not Needed	**A**-Black Or SD

SUBARU "G-KEY" SYSTEM IS ONLY FOR DUPLICATES, MUST HAVE 1 REGISTERED KEY TO PROCEED. RKE PROGRAMMING IS AVAILABLE AS PART OF TYPE 8 MENU.

2015-2017 IMPREZA with Proximity START Button Ignition — ADS-255

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM PROX Check with Distributor or Dealer for correct part to use.	SELECT BY VEHICLE	Yes	NO	Not Needed	**A**-Black Or SD

SUBARU PROX SYSTEM IS ONLY FOR DUPLICATES, MUST HAVE 1 REGISTERED PROX KEY TO PROCEED.

2008-2011 IMPREZA With HIGH SECURITY KEY — ADS-127

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer for correct key according to VIN.	TYPE 1A	Yes	NO	Not Needed	**A**-Black Or SD

2008-2014 IMPREZA WRX — ADS- 127

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer for correct key according to VIN.	TYPE 1A	Yes	NO	Not Needed	**A**-Black Or SD

2006-2007 IMPREZA WRX — ADS- 127

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
57497AE000	TYPE 1A	Yes	NO	Not Needed	**A**-Black Or SD

2008-2012 IMPREZA WRX - STI — ADS127-

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
57497SC010 or 57497AG070A Check with dealer for correct key by VIN.	TYPE 1A	Yes	NO	Not Needed	**A**-Black Or SD

2005-2007 IMPREZA WRX - STI — ADS-127

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
57497AE000	TYPE 1A	Yes	NO	Not Needed	**A**-Black Or SD

2015-2017 LEGACY WITH KEY IGNITION (G-KEY) — ADS-255

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM KEY Subaru G Key	SELECT BY VEHICLE SUBARU IMMO TYPE 8	Yes	NO	Not Needed	**A**-Black Or SD

SUBARU "G-KEY" SYSTEM IS ONLY FOR DUPLICATES, MUST HAVE 1 REGISTERED KEY TO PROCEED. RKE PROGRAMMING IS AVAILABLE AS PART OF TYPE 8 MENU.

2013-2017 LEGACY WITH PROXIMITY START BUTTON IGNITION — ADS-255

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM PROX **Check with Distributor or Dealer for correct part to use.**	SELECT BY VEHICLE	Yes	NO	Not Needed	**A**-Black Or SD

SUBARU PROX SYSTEM IS ONLY FOR DUPLICATES, MUST HAVE 1 REGISTERED PROX KEY TO PROCEED.

2014 LEGACY WITH KEY IGNITION — ADS-228

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HIGH SECURITY OEM KEY Check with dealer for part nos.	TYPE 4	**Yes**	**Yes 5-Digit**	No	**A**-Black Or SD

Notes: Requires V12.26 or higher) Requires PIN Code from Subaru dealer or NASTF.
The PIN Code is on a metal tag that came with the keys when the car was new/delivered. It reads Security ID: 12345 (example).
RKE program seperately using Subaru / Remotes / By system / TYPE 2
Later models that use the NON-HIGH SECURITY Bladed keys stamped "G" are NOT type 4!

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2010-2013 LEGACY — ADS-127

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Check with dealer for correct key according to VIN.	TYPE 1A	Yes	NO	Not Needed	**A**-Black Or SD

Some late production 2013 models may require ADS-228 TYPE4 system.

2006-2009 LEGACY — ADS-127

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
SUB4-PT	TYPE 1A	Yes	NO	Not Needed	**A**-Black Or SD

2005 LEGACY GT — ADS-127

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
SUB4-PT	TYPE 1A	Yes	NO	Not Needed	**A**-Black Or SD

2015-2017 OUTBACK WITH KEY IGNITION — ADS-255

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM KEY Subaru G Key	SELECT BY VEHICLE SUBARU IMMO TYPE 8	Yes	NO	Not Needed	**A**-Black Or SD

SUBARU "G-KEY" SYSTEM IS ONLY FOR DUPLICATES, MUST HAVE 1 REGISTERED KEY TO PROCEED. RKE PROGRAMMING IS AVAILABLE AS PART OF TYPE 8 MENU.

2013-2017 OUTBACK WITH PROXIMITY START BUTTON IGNITION — ADS-255

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM PROX Check with Distributor or Dealer for correct part to use.	SELECT BY VEHICLE	Yes	NO	Not Needed	**A**-Black Or SD

SUBARU PROX SYSTEM IS ONLY FOR DUPLICATES, MUST HAVE 1 REGISTERED PROX KEY TO PROCEED.

2013-2014 OUTBACK WITH KEY IGNITION — ADS-228

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
HIGH SECURITY OEM KEY Check with dealer for part nos.	TYPE 4	**Yes**	**Yes 5-Digit**	No	**A**-Black Or SD

Notes: (NEW system, use V12.26 or higher) Requires PIN Code from Subaru dealer or NASTF.
RKE program seperately using Subaru / Remotes / By system / TYPE 2
Later models that use the NON-HIGH SECURITY Bladed keys stamped "G" are type 4!
Some early prod. 2013 have been found to use the old TYPE1A. If TYPE4 gives SEED KEY ERROR use TYPE1A.

2010-2012 OUTBACK — ADS-127

OEM /	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer 4 Button Remote Key: 57497AJ070	TYPE 1A	Yes	NO	Not Needed	**A**-Black Or SD

2006-2009 OUTBACK — ADS-127

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
SUB4-PT	TYPE 1A	Yes	NO	Not Needed	**A**-Black Or SD

2005 OUTBACK 2.5 XT / 3.0R — ADS-127

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
SUB4-PT	TYPE 1A	Yes	NO	Not Needed	**A**-Black Or SD

2010-2014 TRIBECA — ADS-127

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer 4 Button Remote Key: 57497XA13A	TYPE 1A	Yes	NO	Not Needed	**A**-Black Or SD

2008-2009 TRIBECA — ADS-127

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
SUB4-PT	TYPE 1A	Yes	NO	Not Needed	**A**-Black Or SD

2015-2017 WRX WITH KEY IGNITION — ADS-255

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM KEY Subaru G Key	SELECT BY VEHICLE SUBARU IMMO TYPE 8	Yes	NO	Not Needed	**A**-Black Or SD

SUBARU "G-KEY" SYSTEM IS ONLY FOR DUPLICATES, MUST HAVE 1 REGISTERED KEY TO PROCEED. RKE PROGRAMMING IS AVAILABLE AS PART OF TYPE 8 MENU.

2015-2017 WRX WITH PROXIMITY START BUTTON IGNITION — ADS-255

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM PROX Check with Distributor or Dealer for correct part to use.	SELECT BY VEHICLE	Yes	NO	Not Needed	**A**-Black Or SD

SUBARU PROX SYSTEM IS ONLY FOR DUPLICATES, MUST HAVE 1 REGISTERED PROX KEY TO PROCEED.

2013-2017 XV CROSSTRECK WITH KEY IGNITION				ADS-255	
ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM KEY Subaru G Key	SELECT BY VEHICLE SUBARU IMMO TYPE 8	Yes	NO	Not Needed	**A**-Black Or SD
SUBARU "G-KEY" SYSTEM IS ONLY FOR DUPLICATES, MUST HAVE 1 REGISTERED KEY TO PROCEED. RKE PROGRAMMING IS AVAILABLE AS PART OF TYPE 8 MENU.					

2014-2017 XV CROSSTRECK WITH PROXIMITY START BUTTON IGNITION				ADS-255	
ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
OEM PROX Check with Distributor or Dealer for correct part to use.	SELECT BY VEHICLE	Yes	NO	Not Needed	**A**-Black Or SD
SUBARU PROX SYSTEM IS ONLY FOR DUPLICATES, MUST HAVE 1 REGISTERED PROX KEY TO PROCEED.					

SUBARU WARNINGS

ADS-255 Requires BETA 12.78 or higher.

SUBARU 2016 - ADS-255 SOFTWARE CAN'T BE BE USED FOR LOST KEY SITUATIONS.
WHEN THERE IS NO REGISTERED KEY AVAILABLE THE SOFTWARE CANNOT BE USED.

DO NOT TRY TO USE THE IMMO TYPE1A SELECTION ON ANY VEHICLE WITH THE SUBARU "G" KEY SYSTEM. IT'S NOT DESINGED FOR "G" KEY SYSTEMS AND MAY CAUSE DISABLING THE VEHICLE. USE ONLY THE IMMO TYPE 8 ON "G" KEY SYSTEM CARS TYPE 8 IS THE CORRECT SYSTEM TO USE!

TYPE 1A
BLADED KEY IGNITION SYSTEM



SPECIAL FUNCTIONS

PROGRAM KEYS- Erases all currently programmed keys and programs up to 4 keys total in one sequence.

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-127	ADC-250 / ADC- 251 A (BLACK) DONGLE
MAX # KEYS:	**SMART DONGLE?**
4	YES
KEYS:	**SECURITY:**
RE-USABLE	NO PIN CODE REQUIRED
	COMPONENTS MATCHED?
	YES
	MATCHING CAPABILITY?
	NONE

SECURITY LIGHT / THEFT INDICATOR:

When the vehicle is started the theft light / indicator should be out. (Not blinking etc)

MORE INFO:

MAKE SURE YOU HAVE ALL THE KEYS YOU WANT TO PROGRAM READY.
If you have 1 or more existing keys and wish to program additional new keys, the existing keys will become new again, to the vehicle, during the programming procedure and must be programmed with the other keys.

TYPE 1A
BLADED KEY IGNITION SYSTEM

Use this method to PROGRAM KEYS

Select:
+SUBARU
+BY SYSTEM
+IMMOBILIZER
+TYPE 1A



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWITCH IGNITION ON

PRESS ENTER KEY

SUBARU
IMMOBILISER

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU

> PROGRAM KEYS

PROGRAM KEYS

ALL KEYS WILL BE ERASED CONTINUE?

X ✔

PROGRAM KEYS

PLEASE WAIT
****

PROGRAM KEYS

DO YOU WANT TO PROGRAM MORE KEYS?

X ✔

If you want to program more keys press the CHECK MARK.

SWITCH IGNITION OFF
REMOVE KEY
INSERT NEXT KEY

SWITCH IGNITION ON

PRESS ENTER KEY

PROGRAM KEYS

PLEASE WAIT
****

PROGRAM KEYS

DO YOU WANT TO PROGRAM MORE KEYS?

X ✔

If you do not have more keys to program, press the X

PROGRAM KEYS

KEY REGISTRATION COMPLETE

PRESS ENTER KEY

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TYPE 4
BLADED KEY IGNITION SYSTEM



SPECIAL FUNCTIONS

PROGRAM KEYS- Erases all currently programmed keys and programs up to 4 keys total in one sequence.

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-228	ADC-250 / ADC- 251 A (BLACK) DONGLE
MAX # KEYS:	**SMART DONGLE?**
4	YES
KEYS:	**SECURITY:**
RE-USABLE	5-DIGIT PIN CODE REQUIRED
	COMPONENTS MATCHED?
	YES
	MATCHING CAPABILITY?
	NONE

SECURITY LIGHT / THEFT INDICATOR:

When the vehicle is started the theft light / indicator should be out. (Not blinking etc)

MORE INFO:

MAKE SURE YOU HAVE ALL THE KEYS YOU WANT TO PROGRAM READY.
If you have 1 or more existing keys and wish to program additional new keys, the existing keys will become new again, to the vehicle, during the programming procedure and must programmed with the other keys.

TROUBLESHOOTING-

If procedure goes to the end with “procedure complete” but key does not program, check the transponder, most likely it is not correct. Old keys stay programmed in these cases, only if a key is accepted are others erased.

TYPE 4
BLADED KEY IGNITION SYSTEM

Use this method to PROGRAM KEYS

Select:
+SUBARU
+BY SYSTEM
+IMMOBILIZER
+TYPE 4



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWITCH IGNITION ON
PRESS ENTER KEY

ECU IDENTIFICATION
SUBARU BLADED 2015
PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
> SPECIAL FUNCTIONS
PRESS ENTER KEY

DIAGNOSTIC MENU
> PROGRAM KEYS
PRESS ENTER KEY

SECURITY CODE

_ _ _ _

1	**2**	**3**	**4**	**5**
6	**7**	**8**	**9**	**0**

SECURITY CODE

1 2 3 4 5
(this is just an example)

X ✔

PLEASE WAIT * * * * * * *

PROGRAM KEYS

DO YOU WANT TO REGISTER MORE KEYS?

X ✔

DIAGNOSTIC MENU
SWITCH IGNITION OFF
REMOVE KEY
PRESS ENTER KEY

DIAGNOSTIC MENU
SWITCH IGNITION ON
WITH NEXT KEY
PRESS ENTER KEY

DIAGNOSTIC MENU
SUCCESSFUL
PRESS ENTER KEY

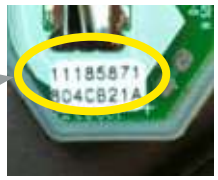
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REMOTE (RKE) TYPE 1 & TYPE 2 PROGRAMMING

SUBARU TYPE 1 & TYPE 2 RKE COVERAGE CHART		
MODEL	**YEAR**	**TYPE**
B9 TRIBECCA	2006-2014	SUBARU REMOTES TYPE 2
BAJA	2006	SUBARU REMOTES TYPE 1
BRZ	2013-2014	TOYOTA REMOTES TYPE 4
FORESTER	2005-2008	SUBARU REMOTES TYPE 1
FORESTER	2009-2013	SUBARU REMOTES TYPE 2
IMPREZA	2005-2007	SUBARU REMOTES TYPE 1
IMPREZA	2008-2011	SUBARU REMOTES TYPE 2
LEGACY	2005-2014	SUBARU REMOTES TYPE 2
OUTBACK	2005-2014	SUBARU REMOTES TYPE 2

>There are “4 Memory Slots” on Subaru Type 1 & Type 2 remote systems.

>Each remote has a unique 8 digit security code or ID.



> The ID code is found on a white sticker attached to the circuit board on the inside of the remote. Open each remote you want to program and write down this ID before starting out. If the sticker is not there or cannot be read it you will not be able to proceed. The ID code is the top line on the sticker (8 digits & no letters).

>Running the procedure shown here shown here fills the next open Memory Slot.

>Once 4 slots are filled running the procedure will fill the last slot with the new value and drop off one of the 4 previously programmed remotes.

>If you want to ERASE all remotes run the procedure 4 times using a random code such as 11111111.

>The car needs 20-30 seconds after getting procedure complete on the PRO each time before doing anything, so it’s important to wait between programming.

>Be patient and go slowly, during this down time NO remotes will work.

>It’s very important that the battery inside each remote is good and that the car’s voltage is at least 12 volts.

>If you recieve an error message from the tester, wait 30 seconds and try the remote, it might have programmed anyway.

REMOTE (RKE) TYPE 1 & TYPE 2 PROGRAMMING

Use this method to PROGRAM REMOTES - CONT'D

Select:
+SUBARU
+BY SYSTEM
+REMOTE
USE THE COVERAGE CHART TO DETERMINE WHICH TYPE TO PICK.
+TYPE 1
+TYPE 2



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWITCH IGNITION ON
PRESS ENTER KEY

ECU IDENTIFICATION
SUBARU REMOTE TYPE 2
(OR TYPE 1 DEPENDING ON WHAT YOU PICKED)
PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
> SPECIAL FUNCTIONS
PRESS ENTER KEY

DIAGNOSTIC MENU
> PROGRAM REMOTE
PRESS ENTER KEY

PROGRAM REMOTE
8 DIGIT CODE REQUIRED
PRESS ENTER KEY

SECURITY CODE

_ _ _ _ _ _ _ _

1	**2**	**3**	**4**	**5**
6	**7**	**8**	**9**	**0**

SECURITY CODE

1 2 3 4 5 6 7 8
(this is just an example)

X	✔

DIAGNOSTIC MENU
PROCEDURE COMPLETE
PRESS ENTER KEY

WAIT 20-30 SECONDS BEFORE TESTING THE REMOTE OR PROGRAMMING ADDITIONAL REMOTES.

SUBARU KEYS
For use with ADS-255

Make Sure Prox keys are New or they cannot be programmed.
Prox can be erased and programmed back into the same vehicle.

2012-16 Impreza,
2013-16 Crosstrek,
2014-16 Forester,
2015-16 Legacy & Outback,
2015-16 WRX & STI

"G" key w/ keyless entry , Non-High security key
(BLADED)

BLADED KEY



2013-2014 Legacy & Outback

Push-button start system access key with high security mechanical key. (PROX)



PROX)

2014-2015 Forester,
2014 Crosstrek Hybrid,
2015 WRX & STI

Push-button start system access key
with inside cut high security mechanical key.



PROX)

2015-16 Legacy,
2015-16 Outback,
2015-16 Impreza,
2015-16 Crosstrek
2016 WRX, WRX STI
2016 Forester,

Push button start system access key
with single- sided inside cut high security mechanical key.



PROX)

TYPE 8 (G KEY)
BLADED KEY IGNITION SYSTEM
With RKE



SPECIAL FUNCTIONS

KEYS PROGRAMMED- This function reads the number of KEYS programmed.

PROGRAM KEYS- AT LEAST 1 REGISTERED KEY IS NEEDED TO PERFORM.
This function is used to ADD Master or Valet Keys. Program keys does not erase any other programmed keys.

CLEAR KEYS- AT LEAST 1 REGISTERED KEY IS NEEDED TO PERFORM.
This function is used to clear all keys from memory except the one registered key used for the procedure.

ERASE REMOTES- This function ERASES all current remotes.

PROGRAM REMOTES- This function ADDS Remotes.

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-255	ADC-250 / ADC- 251 A (BLACK) DONGLE
MAX # OF KEYS:	**SMART DONGLE?**
4 MAX	YES
KEYS:	**SECURITY:**
OEM KEYS & REMOTES ARE RE-USABLE	NO PIN CODE
	COMPONENTS MATCHED?
	YES
	MATCHING CAPABILITY?
	NOT AVAILABLE

SECURITY LIGHT / THEFT INDICATOR:

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

MORE INFO:

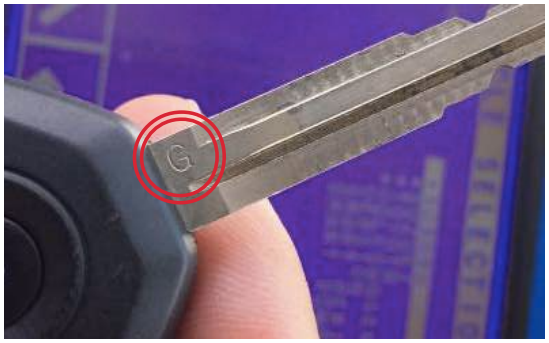
OEM SUBARU TYPE 8 SYSTEM Keys have a “G” stamped on the blade.
CAUTION: The chip is different than a Toyota “G” Key.

THIS SOFTWARE CAN’T BE BE USED FOR LOST KEYS SITUATIONS WHEN THERE IS NO WORKING TRANSPONDER KEY AVAILABLE.

WATCH VIDEO -



2016 Subaru Forester adding a key plus remote programming



OEM SUBARU “G” REMOTE HEAD KEY.

IF YOU WANT TO ERASE ALL KEYS EXCEPT THE ONE REGISTERED KEY, USE CLEAR KEYS
USE PROGRAM KEYS TO ADD KEYS.

TYPE 8 (G KEY)
BLADED KEY IGNITION SYSTEM
With RKE

Use this method to PROGRAM KEYS

MAKE SURE YOU HAVE AT LEAST 1 REGISTERED KEY.

***IF NO REGISTERED KEY IS AVAILABLE THIS PROCEDURE WILL NOT WORK**

Select:

+SUBARU
+N. AMERICA
+BY SYSTEM
+IMMOBILIZER
+POST 2000
+TYPE 8



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

PROGRAM KEYS
SWITCH IGNITION ON
PRESS ENTER KEY

***TURN IGNITION ON WITH A REGISTERED KEY**

ECU IDENTIFICATION
SUBARU 2016
PRESS ENTER KEY

DIAGNOSTIC MENU
ECU IDENTIFICATION
> SPECIAL FUNCTIONS
PRESS ENTER KEY

DIAGNOSTIC MENU
KEYS PROGRAMMED
> PROGRAM KEYS
CLEAR KEYS
PROGRAM REMOTES
ERASE REMOTES
PRESS ENTER KEY

PROGRAM KEYS
SWITCH IGNITION ON WITH
REGISTERED KEY.
PRESS ENTER KEY

PROGRAM KEYS
REMOVE THE KEY
PRESS ENTER KEY

PROGRAM KEYS
SWITCH IGNITION ON WITH
NEW KEY TO BE REGISTERED
PRESS ENTER KEY

TYPE 8 (G KEY)
BLADED KEY IGNITION SYSTEM
With RKE

Use this method to PROGRAM KEYS - Conttinued

PROGRAM KEYS
KEY REGISTERED
KEY COUNT: 02
DO YOU WANT TO PROGRAM
ANOTHER KEY?
X ✔

CHOOSE THE X IF YOU ARE FINISHED

PROGRAM KEYS
PROCEDURE COMPLETE
PRESS ENTER KEY

CHOOSE THE CHECK MARK IF YOU HAVE MORE KEYS TO PROGRAM

PROGRAM KEYS
KEY REGISTERED
KEY COUNT: 02
DO YOU WANT TO PROGRAM
ANOTHER KEY?
X ✔

PROGRAM KEYS
REMOVE THE KEY
PRESS ENTER KEY

PROGRAM KEYS
SWITCH IGNITION ON WITH
NEW KEY TO BE REGISTERED
PRESS ENTER KEY

PROGRAM KEYS
KEY REGISTERED
KEY COUNT: 03
DO YOU WANT TO PROGRAM
ANOTHER KEY?
X ✔

IF YOU HAVE NO MORE KEYS TO PROGRAM CHOOSE THE X HERE.
IF YOU HAVE MORE CHOOSE THE CHECK MARK AND THE PROCESS WILL CONTINUE.

PROGRAM KEYS
PROCEDURE COMPLETE
PRESS ENTER KEY

MAX 4 KEYS CAN BE REGISTERED.
If you try and exceed 4 keys the procedure will fail.

ENTER WILL TAKE YOU BACK TO THE DIAGNOSTIC MENU

DIAGNOSTIC MENU
KEYS PROGRAMMED
PROGRAM KEYS
CLEAR KEYS
PROGRAM REMOTES
ERASE REMOTES
PRESS ENTER KEY

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TYPE 8 (G KEY)
BLADED KEY IGNITION SYSTEM
With RKE

Use this method to read the # of KEYS PROGRAMMED

ITS ALWAYS A GOOD IDEA TO TAKE A LOOK AT THE KEYS PROGRAMMED INFORMATION BEFORE STARTING OFF

DIAGNOSTIC MENU
>KEYS PROGRAMMED
PROGRAM KEYS
CLEAR KEYS
PROGRAM REMOTES
ERASE REMOTES
PRESS ENTER KEY

PROGRAM KEYS
SWITCH IGNITION ON
PRESS ENTER KEY

PROGRAM KEYS
KEY COUNT: 02
PRESS ENTER KEY

TYPE 8 (G KEY)
BLADED KEY IGNITION SYSTEM
With RKE

Use this method to CLEAR KEYS - OPTIONAL

DIAGNOSTIC MENU
KEYS PROGRAMMED
PROGRAM KEYS
> CLEAR KEYS
PROGRAM REMOTES
ERASE REMOTES
PRESS ENTER KEY

WARNING
SWITCH IGNITION ON WITH
REGISTERED KEY
ALL OTHER KEYS WILL BE CLEARED
DO YOU WANT TO CONTINUE?
X ✔

CLEAR KEYS
PLEASE WAIT.....

ERASE REMOTES
PROCEDURE COMPLETE
PRESS ENTER KEY

AFTER USING CLEAR KEYS ONLY 1 KEY USED WILL BE PROGRAMMED

DIAGNOSTIC MENU
>KEYS PROGRAMMED
PROGRAM KEYS
CLEAR KEYS
PROGRAM REMOTES
ERASE REMOTES
PRESS ENTER KEY

PROGRAM KEYS
SWITCH IGNITION ON
PRESS ENTER KEY

PROGRAM KEYS
KEY COUNT: 01
PRESS ENTER KEY

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TYPE 8 (G KEY)
BLADED KEY IGNITION SYSTEM
With RKE

Use this method to ERASE REMOTES - OPTIONAL

Optional, use only if you want to clear all remotes from memory.



DIAGNOSTIC MENU
KEYS PROGRAMMED
PROGRAM KEYS
CLEAR KEYS
PROGRAM REMOTES
> ERASE REMOTES
PRESS ENTER KEY

WARNING
SWITCH IGNITION ON.
ALL REMOTES WILL BE CLEARED
DO YOU WANT TO CONTINUE?
X ✔

ERASE REMOTES
SWITCH IGNITION OFF.
REMOVE THE KEY FROM THE IGNITION

THE DOOR LOCKS SHOULD CYCLE

ERASE REMOTES
PROCEDURE COMPLETE
PRESS ENTER KEY

All remotes have been now been erased, go to PROGRAM REMOTES to program remotes back in.

TYPE 8 (G KEY)
BLADED KEY IGNITION SYSTEM
With RKE

Use this method to PROGRAM REMOTES

DIAGNOSTIC MENU
KEYS PROGRAMMED
PROGRAM KEYS
CLEAR KEYS
> PROGRAM REMOTES
ERASE REMOTES
PRESS ENTER KEY

PROGRAM REMOTES
SWITCH IGNITION ON
PRESS ENTER KEY

PROGRAM REMOTES
PLEASE WAIT.....

PROGRAM REMOTES
SWITCH IGNITION OFF.
REMOVE THE KEY FROM THE IGNITION

PROGRAM REMOTES
PLEASE WAIT.....

TYPE 8 (G KEY)
BLADED KEY IGNITION SYSTEM
With RKE

Use this method to PROGRAM REMOTES- Continued

PROGRAM REMOTES
PRESS THE LOCK THEN THE UNLOCK
UNLOCK BUTTON FOR EACH
REMOTE TO BE PROGRAMMED
PROCEDURE MUST BE
COMPLETED WITHIN 3 MIN.
PRESS BACK TO EXIT.
REMOTES PROGRAMMED : 0
PRESS ENTER KEY





PRESS UNLOCK THEN PRESS LOCK ON EACH REMOTE (WITHIN 3 MINUTES)

WHAT THE PRO HAS DONE IS PUT THE SYSTEM IN LEARN MODE AND BY PRESSING THE BUTTONS ON EACH REMOTE (UP TO 4 MAX.) AS DIRECTED BY THE SCREEN THE SYSTEM SHOULD LEARN EACH REMOTE.

NOTICE HOW THE PRO DISPLAYS THE NUMBER OF PROGRAMMED REMOTES.
WAIT 30 SECONDS AFTER PROGRAMMING TO TEST REMOTES

PROGRAM REMOTES
PROCEDURE COMPLETE
SWITCH OFF TESTER TO
TEST THE REMOTES
PRESS ENTER KEY

SUBARU
PROX SYSTEM





SPECIAL FUNCTIONS

KEYS PROGRAMMED- Displays the number of currently registered proximity keys.

PROGRAM KEYS - AT LEAST 1 REGISTERED KEY IS REQUIRED TO USE THIS SOFTWARE.

The PROGRAM KEYS function allows you to add PROX to the car's immobilizer system.
At least 1 already registered PROX key to the vehicle is required to start the procedure off with.

CLEAR KEYS - AT LEAST 1 REGISTERED KEY IS REQUIRED TO USE THIS SOFTWARE.

The CLEAR KEYS function clears all previously registered PROX from the immobilizer system and leaves just the 1 registered prox as the only prox registered.

At least 1 already registered PROX key to the vehicle is required to start the procedure off with.

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-255	ADC-250 / ADC- 251 A (BLACK) DONGLE
MAX # PROX KEYS:	**SMART DONGLE?**
4	YES
PROX KEYS:	**SECURITY:**
Not re-usable but if erased can be added back into the same car.	NO PIN CODE
	COMPONENTS MATCHED?
	YES
	MATCHING CAPABILITY?
	NONE

SECURITY LIGHT / THEFT INDICATOR:

Light should be out anytime a programmed PROX is in the vehicle.

MORE INFO:

VEHICLE VOLTAGE- It's critical for success that the voltage be 12 volts or above. Use jumper cables or a battery pack whenever possible to boost voltage even if you think it's not needed.
This will help avoid failure, especially during a 16 minute RESET.

PROX BATTERY- Its necessary to have a good battery in ALL the PROX being used for these procedures. Replace it with a fresh one if there is any doubt.

PROX CIRCUIT BOARDS MUST MATCH -
Some prox have the same part # and or FCC ID on the case but contain different circuit boards.
Open them up and compare when possible.

THIS SOFTWARE CAN'T BE BE USED FOR LOST KEYS SITUATIONS WHEN THERE IS NO REGISTERED KEY AVAILABLE.

PROX MUST BE BRAND NEW- Only brand new virgin Prox can be added.

If the PROX has been previously used on another car it will not / cannot program into your target car.

Prox keys erased on your target car can be added back into that same car without a problem, provided you have at least one registered prox key present to start off the procedure with.

All keys lost - This software cannot be used if all keys have been lost.

WATCH VIDEO - ADDING A PROX ON SUBARU



SUBARU
PROX SYSTEM

Use this method to ADD PROX

MAKE SURE YOU HAVE AT LEAST 1 REGISTERED KEY.

***IF NO REGISTERED KEY IS AVAILABLE THIS PROCEDURE WILL NOT WORK**

Select:

+SUBARU
+N. AMERICA
+BY VEHICLE
Choose the exact model and year you are working on.



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

HAZARDS ON / IGNITION OFF
PRESS ENTER KEY

LEAVE IGNITION OFF HERE

ECU IDENTIFICATION
SUBARU 2016
PRESS ENTER KEY

DIAGNOSTIC MENU
KEYS PROGRAMMED
>PROGRAM KEYS
CLEAR KEYS
PRESS ENTER KEY

PROGRAM KEYS
KEEP ALL DOOORS CLOSED
TOUCH ENGINE S/W WITH
EMBLEM SIDE OF REGISTERED
KEY
'BACK' TO EXIT.



WHEN YOU HOLD UP THE REGISTERED KEY YOU SHOULD HEAR THE CAR "BEEP" ONCE

SUBARU
PROX SYSTEM

Use this method to ADD PROX - Continued

PROGRAM KEYS
TOUCH THE ENGINE S/W WITH
EACH KEY TO BE REGISTERED
UNTIL THE CAR BEEPS TWICE
ENTER TO CONTINUE
KEY COUNT 1



AS YOU HOLD UP EACH NEW KEY TO BE REGISTERED. YOU SHOULD HEAR THE CAR "BEEP" TWICE

PROGRAM KEYS
TOUCH THE ENGINE S/W WITH
EACH KEY TO BE REGISTERED
UNTIL THE CAR BEEPS TWICE
ENTER TO CONTINUE
KEY COUNT 2

ONCE YOU HAVE REGISTERED ALL THE KEYS YOU WANT (MAX 4 TOTAL)

PROGRAM KEYS
PROCEDURE COMPLETE
PRESS ENTER KEY

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SUBARU
PROX SYSTEM

Use this method to CLEAR PROX

DIAGNOSTIC MENU
KEYS PROGRAMMED
PROGRAM KEYS
>CLEAR KEYS
PRESS ENTER KEY

PROGRAM KEYS
A REGISTERED KEY IS
REQUIRED TO CLEAR KEYS
ALL OTHER KEYS WILL BE CLEARED
DO YOU WANT TO CONTINUE ?
X ✔

CLEAR KEYS
TOUCH ENGINE S/W WITH
EMBLEM SIDE OF REGISTERED
KEY
'BACK' TO EXIT.



WHEN YOU HOLD UP THE REGISTERED KEY YOU SHOULD HEAR THE CAR "BEEP" ONCE

PROGRAM KEYS
PROCEDURE COMPLETE
PRESS ENTER KEY

IF YOU CHECK KEYS PROGRAMMED AFTER CLEARING THE KEY COUNT SHOULD BE 1

DIAGNOSTIC MENU
>KEYS PROGRAMMED
PROGRAM KEYS
CLEAR KEYS
PRESS ENTER KEY

PROGRAM KEYS
KEY COUNT: 01
PRESS ENTER KEY

SUBARU
PROX SYSTEM

Use this method to read the # of KEYS PROGRAMMED

ITS ALWAYS A GOOD IDEA TO TAKE A LOOK AT THE KEYS PROGRAMMED INFORMATION BEFORE STARTING OFF

DIAGNOSTIC MENU
>KEYS PROGRAMMED
PROGRAM KEYS
CLEAR KEYS
PRESS ENTER KEY

PROGRAM KEYS
SWITCH IGNITION ON
PRESS ENTER KEY

PROGRAM KEYS
KEY COUNT: 02
PRESS ENTER KEY

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SUZUKI SECTION





T-CODE SOFTWARE PACKS:

Nissan CAN & Prox (ADS-159)

Suzuki 2016 (ADS-233)

CAN stands for Controller Area Network, not Canada

Find a Sales Representative Near You

2009-2012 EQUATOR (Nissan) — ADS-159

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
N104PT	USE BETA N. AMERICA BY VEHICLE	Yes	Yes	Use BCM Conversion	A / G

Note: LATER MODELS USE G DONGLE. Transponder is *optional*. Most do not have it.

This Vehicle is a NISSAN FRONTIER sold by SUZUKI.

2010-2014 KIZASHI with Proximity START Button Ignition — ADS-233

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
PROX 37172-57L20 E-KEY 37145-57L00		NO SMART CARD SD ONLY	BYPASSED	Not Needed	REQUIRES SD

LOST KEY SITUATIONS MUST JUMP FUSE IN FUSE BOX LOCATED UNDER DRIVERS SIDE TO THE LEFT ABOVE BRAKE. SEE INSTRUCTIONS UNDER SYSTEM

2007-2009 XL7 (Suzuki) — ADS-139

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
B111-PT ⊕	Select by SYSTEM Type 4	Yes	No	Not Needed	K-Brown Or SD

This Vehicle is made by General Motors sold by SUZUKI

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SUZUKI
KIZASHI PROX
SYSTEM



SPECIAL FUNCTIONS

KEYS PROGRAMMED- Displays the current number of programmed prox keys.

PROGRAM PROX- Erases all currently programmed prox keys and programs at least 1 prox in the process.

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-233	ADC-250 / ADC- 251 SMART DONGLE
MAX # OF KEYS:	**SMART DONGLE?**
8	REQUIRED
KEYS:	**SECURITY:**
Re-usable.	BYPASSED BY SD
	COMPONENTS MATCHED?
	YES
	MATCHING CAPABILITY?
	NOT AVAILABLE

SECURITY LIGHT / THEFT INDICATOR:

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

MORE INFO:

LOST KEY SITUATIONS MUST JUMP FUSE IN FUSE BOX LOCATED UNDER DRIVERS SIDE TO THE LEFT ABOVE BRAKE.

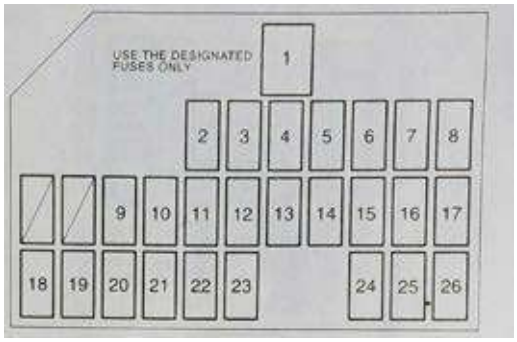
New software Jan 2017 Requires Beta 12.99 or higher.

Use a fused lead and apply 12v + power from the vehicles battery to fuse 13.

(See Diagram 7.5 amp)

Apply the power when asked by the tester during programming and not before....See instructions.





KIZASHI PROX SYSTEM

Use this method to - PROGRAM PROX

START HERE:
Select:
+ SUZUKI
+NORTH AMERICA
+KIZASHI
+2012
+PROXIMITY

HAZARDS ON / IGNITION OFF
PRESS ENTER KEY

- LEAVE THE IGNITION OFF.
- TURN ON THE HAZARD LIGHTS.
- BE READY TO JUMP FUSE 13 IF NO WORKING KEY IS AVAILABLE.

ECU IDENTIFICATION
SUZUKI 20 TO 8 DIGIT SYSTEM
PIN CODE BYPASS AVAILABLE
PRESS ENTER KEY

DIAGNOSTIC MENU
ID CODE READING
> SPECIAL FUNCTIONS
PRESS ENTER KEY

DIAGNOSTIC MENU
KEYS PROGRAMMED
> PROGRAM KEYS
PRESS ENTER KEY

PROGRAM KEYS
ALL KEYS WILL BE CLEARED
X ✔

DIAGNOSTIC MENU
IF YOU HAVE A WORKING KEY SWITCH IGNITION ON OTHERWISE FORCE IGNTION ON VIA FUSE BOX HOLD THE KEY TO BE PROGRAMMED TO THE START / STOP BUTTON WITH THE LOGO FACING THE BUTTON.
PRESS ENTER KEY

JUMP THE FUSE NOW IF NO KEY IS AVAILABLE,
THEN PRESS ENTER



DO NOT PRESS THE BUTTON WHILE HOLDING UP THE PROX

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KIZASHI PROX SYSTEM

Use this method to - PROGRAM PROX - CONTINUED

PROGRAM KEYS
PLEASE WAIT.....

PROGRAM KEYS
KEYS PROGRAMMED: 01
DO YOU WANT TO PROGRAM MORE KEYS?
X ✔

PROGRAM KEYS
KEYS PROGRAMMED: 02
DO YOU WANT TO PROGRAM MORE KEYS?
X ✔

PROGRAM KEYS
PROCEDURE COMPLETE
PRESS ENTER KEY

WARNING:

STOP HERE IF YOU WISH.

HOWEVER, ON OUR TEST VEHICLE. THE PROX FUNCTIONS ONLY WORKED AFTER PROGRAMMING A 2ND PROX. TO START THE VEHICLE THE PROX HAD TO BE HELD UP TO THE BUTTON.
AFTER A 2ND PROX WAS PROGRAMMED EVERYTHING WORKED AGAIN

DIAGNOSTIC MENU
HOLD UP THE NEXT KEY TO BE PROGRAMMED TO THE START / STOP BUTTON WITH THE LOGO FACING THE BUTTON.
LEAVE IGNITION ON
PRESS ENTER KEY

TOYOTA SECTION





T-CODE SOFTWARE PACKS:

Toyota & Lexus Basic (ADS-125)

Toyota & Lexus 2007 (ADS-150)

Toyota / Lexus 2010 (ADS-174)

Toyota 2013 (ADS-199)

Toyota & Lexus 2015 (ADS-227)

(Software names generally refer to the date of release on the T-CODE not the years of vehicles covered).

Find a Sales Representative Near You

2010-2016 4RUNNER WITH PROXIMITY START BUTTON IGNITION — ADS-174

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Remote & Key Required	PROX 6	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

2010-2016 4RUNNER WITH KEY IGNITION — ADS-174

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer **G** Key: 89785-08040	Type 5	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

Note: Some 2010 models may use the 2009 key & programming.
16 MINUTE BYPASS: Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)

2003-2009 4RUNNER — ADS-125

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
 TOY44D-PT	Type 2	No	No	Not Needed	**A**-Black Or SD

Note: Transponder system may be optional.
For lost key situations a “quick reset” feature is available, see last page of this section for details.

2001-2002 4RUNNER — ADS-125

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
 TOY43-AT4	Type 1	No	No	Not Needed	**A**-Black Or SD

1998-2000 4RUNNER - THIS MODEL IS LISTED JUST TO MAKE SURE YOU WILL KNOW IT CANNOT BE DONE WITH T-CODE OR MVP

No OBD2 access. Engine control must be reprogrammed or key introduced by Eeprom

2013-2016 AVALON WITH PROXIMITY START BUTTON IGNITION — ADS-174

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Remote & Key Required	PROX 6	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

2005-2012 AVALON WITH PROXIMITY START BUTTON IGNITION — ADS-150

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Remote & Key Required	PROX 2 OR 4	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

2008-2012 AVALON WITH KEY IGNITION — ADS-150

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
 TOY44D-PT	Type 4	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

Note: For lost key situations use “QUICK RESET IMMOBILIZER”

2005-2007 AVALON WITH KEY IGNITION — ADS-125

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
 TOY44D-PT	Type 2	No	No	Not Needed	**A**-Black Or SD

Note: For lost key situations use “QUICK RESET IMMOBILIZER”

1998-2004 AVALON - THIS MODEL IS LISTED JUST TO MAKE SURE YOU WILL KNOW IT CANNOT BE DONE WITH T-CODE OR MVP

No OBD2 access. Engine control must be reprogrammed or key introduced by Eeprom

2012-2016 CAMRY & CAMRY HYBRID WITH PROXIMITY START BUTTON IGNITION — ADS-174

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Remote & Key Required	PROX 6	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

2007-2011 CAMRY WITH PROXIMITY START BUTTON IGNITION — ADS-150

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Remote & Key Required	PROX 1	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

2014-2016 CAMRY WITH KEY IGNITION — ADS-199

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Remote Head **H** Key 3 Button 89070-0R130 4 Button (power hatch) 89070-0R100	Type 6	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

RKE functions program using Toyota remotes menu type4
IMPORTANT: The “G” chip will NOT substitute for the new “H” chip.
NOTE: Some early production 2014 have been seen still using Type 5 and the G chip.
16 MINUTE BYPASS: Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)

2010-2013 CAMRY WITH KEY IGNITION — ADS-174

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer G Key: 89785-08040	Type 5	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

Note: 2010 is a split year. Determine the proper system and which key to use by which system communcates. Only the correct system will communicate the other will not. TYPE5= G key TYPE4= 4D chip key.
16 MINUTE BYPASS: Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)

Split Year

2007-2011 CAMRY WITH KEY IGNITION — ADS-150

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
 TOY44D-PT	Type 4	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

Note: 2010 is a split year. Determine the proper system and which key to use by which system communcates. Only the correct system will communicate the other will not. TYPE5= G key TYPE4= 4D chip key.On Type 4 lost key situations a “quick reset” feature is available, see last page of this section for details.

2002-2006 CAMRY — ADS-125

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
 TOY43-AT4	Type 1	No	No	Not Needed	**A**-Black Or SD

Note: Transponder system is optional. Transponder models can use either TYPE 1 or TYPE 2 depending on what system is fitted on the vehicle. Use the system that communicates.

Split Year

2002-2006 CAMRY — ADS-125

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
 TOY44D-PT	Type 2	No	No	Not Needed	**A**-Black Or SD

Note: Transponder system is optional. Transponder models can use either TYPE 1 or TYPE 2 depending on what system is fitted on the vehicle. Use the system that communicates.

Note: For Type 2 lost key situations a “quick reset” feature is available, see last page of this section for details.

1998-2001 CAMRY - THIS MODEL IS LISTED JUST TO MAKE SURE YOU WILL KNOW IT CANNOT BE DONE WITH T-CODE OR MVP

No OBD2 access. Engine control must be reprogrammed or key introduced by Eeprom

2014-2017 COROLLA WITH KEY IGNITION — ADS-199

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Remote Head H Key 3 Button 89070-0R130 4 Button (power hatch) 89070-0R100	Type 6	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

RKE functions program using Toyota remotes menu type4
IMPORTANT: The “G” chip will NOT substitute for the new “H” chip.
16 MINUTE BYPASS: Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)

Split Year

2010-2013 COROLLA with KEY Ignition — ADS-174

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer G Key: 89785-08040	Type 5	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

Note: 2010 is a split year. Determine the proper system and which key to use by which system communcates. Only the correct system will communicate the other will not. TYPE5= G key TYPE4= 4D chip key.
16 MINUTE BYPASS: Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)

2007-2010 COROLLA with KEY Ignition — ADS-150

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
 TOY44D-PT	Type 4	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

Note: 2010 is a split year. Determine the proper system and which key to use by which system communcates. Only the correct system will communicate the other will not. TYPE5= G key TYPE4= 4D chip key.On Type 4 lost key situations a “quick reset” feature is available, see last page of this section for details.

2012-2015 COROLLA with Proximity START Button Ignition — ADS-174

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Remote & Key Required	PROX 6	No	No	Not Needed	**A**-Black Or SD

2009-2011 COROLLA with Proximity START Button Ignition — ADS- 150

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Remote & Key Required	PROX 1	No	No	Not Needed	**A**-Black Or SD

2007-2009 COROLLA with KEY Ignition — ADS-125 or 150

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
 TOY44D-PT	Type 4	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

Note: For Type 4 lost key situations a “quick reset” feature is available, see last page of this section for details.

2005-2006 COROLLA — ADS- 125

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
 TOY44D-PT	Type 2	No	No	Not Needed	**A**-Black Or SD

Note: For Type 4 lost key situations a “quick reset” feature is available, see last page of this section for details.

2011-2015 FJ CRUISER — ADS-174

Split Year

DEALER	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer G Key: 89785-08040	Type 5	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

16 MINUTE BYPASS: Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)

2010 FJ CRUISER — ADS-174

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
 TOY44D-PT	Type 4	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

Note: 2010 is a split year. Determine the proper system and which key to use by which system communcates. Only the correct system will communicate the other will not. TYPE5= G key TYPE4= 4D chip key.On Type 4 lost key situations a “quick reset” feature is available, see last page of this section for details.
Some 2010 FJ Cruisers do not support an IMMO reset, the IMMO box must be replaced.

2008-2009 FJ CRUISER — ADS-150

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
 TOY44D-PT	Type 4	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

Note: For lost key situations use “QUICK RESET IMMOBILIZER”

2015-2016 HIGHLANDER WITH PROXIMITY START BUTTON IGNITION — ADS-227

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer PROX Required	PROX 7	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black or **Smart Dongle**

New Software: requires using latest BETA

2008-2009 HIGHLANDER WITH PROXIMITY START BUTTON IGNITION — ADS-150

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Remote & Key Required	PROX 1	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

2008-2014 HIGHLANDER LE WITH PROXIMITY START BUTTON IGNITION — ADS-150

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Remote & Key Required 59904-48110	PROX 1	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

2007 HIGHLANDER LE WITH PROXIMITY START BUTTON IGNITION — ADS-150

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Remote & Key Required 59904-48110	PROX 2	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

2013-2015 HIGHLANDER WITH KEY IGNITION — ADS-199

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Remote Head **H** Key 3 Button 89070-0R130 4 Button (power hatch) 89070-0R100	Type 6	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

RKE functions program using Toyota remotes menu type4
IMPORTANT: The "G" chip will NOT substitute for the new "H" chip
16 MINUTE BYPASS: Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)

2012-2013 HIGHLANDER WITH KEY IGNITION — ADS-174

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer **G** Key: 89785-08040	Type 5	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

Note: Transponder system may be optional.
16 MINUTE BYPASS: Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)

Split Year

2010-2011 HIGHLANDER WITH KEY IGNITION — ADS-174

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer **G** Key: 89785-08040	Type 5	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

Note: 2010 is a split year. Determine the proper system and which key to use by which system communcates. Only the correct system will communicate the other will not. TYPE5= G key TYPE4= 4D chip key.
16 MINUTE BYPASS: Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)

2008-2010 HIGHLANDER WITH KEY IGNITION — ADS-150

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
 TOY44D-PT	Type 4	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

Note: 2010 is a split year. Determine the proper system and which key to use by which system communcates. Only the correct system will communicate the other will not. TYPE5= G key TYPE4= 4D chip key.On Type 4 lost key situations a "quick reset" feature is available, see last page of this section for details.

2004-2007 HIGHLANDER WITH V6 ENGINE — ADS-125

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
 TOY44D-PT	Type 2	No	No	Not Needed	**A**-Black Or SD

Note: For lost key situations use “QUICK RESET IMMOBILIZER”

2001-2003 HIGHLANDER WITH V6 ENGINE - THIS MODEL IS LISTED JUST TO MAKE SURE YOU WILL KNOW IT CANNOT BE DONE WITH T-CODE OR MVP

No OBD2 access. Engine control must be reprogrammed or key introduced by Eeprom

2001-2003 HIGHLANDER WITH 4-CYL ENGINE — ADS-125

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
 TOY43-AT4	Type 1	No	No	Not Needed	**A**-Black Or SD

2016 LAND CRUISER — ADS-227

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Remote & Key Required	PROX 7	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

Note: Different Proximity Remote Fobs are used depending on vehicle production dates.

2008-2015 LAND CRUISER — ADS-150

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Remote & Key Required	PROX 1	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

Note: Different Proximity Remote Fobs are used depending on vehicle production dates.

2003-2007 LAND CRUISER — ADS-125

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
 TOY44D-PT	Type 2	No	No	Not Needed	**A**-Black Or SD

Note: For lost key situations use “QUICK RESET IMMOBILIZER”

2001-2002 LAND CRUISER — ADS-125

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
 TOY43-AT4	Type 1	No	No	Not Needed	**A**-Black Or SD

1998-2000 LAND CRUISER - THIS MODEL IS LISTED JUST TO MAKE SURE YOU WILL KNOW IT CANNOT BE DONE WITH T-CODE OR MVP

No OBD2 access. Engine control must be reprogrammed or key introduced by Eeprom

Split Year

2010-2013 MATRIX — ADS-174

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer **G** Key: 89785-08040	Type 5	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

Note: 2010 is a split year. Determine the proper system and which key to use by which system communcates. Only the correct system will communicate the other will not. TYPE5= G key TYPE4= 4D chip key.
16 MINUTE BYPASS: Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)

2008-2010 MATRIX — ADS-150

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
 TOY44D-PT	Type 4	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

Note: 2010 is a split year. Determine the proper system and which key to use by which system communcates. Only the correct system will communicate the other will not. TYPE5= G key TYPE4= 4D chip key.

For lost key situations a “quick reset” feature is available, see last page of this section for details.

2007 MATRIX — ADS-125 or 150

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
 TOY44D-PT	Type 2 or 4	No	No	Not Needed	**A**-Black Or SD

Note: 2007 was a split year

For lost key situations a “quick reset” feature is available, see last page of this section for details.

2005-2006 MATRIX — ADS-125

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
 TOY44D-PT	Type 2	No	No	Not Needed	**A**-Black Or SD

Note: For lost key situations use “QUICK RESET IMMOBILIZER”

2000-2005 MR2 - This model is listed just to make sure you will know it cannot be done with T-CODE or MVP

No OBD2 access. Engine control must be reprogrammed or key introduced by Eeprom

2015-2016 PRIUS C with KEY Ignition — ADS-199

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Remote Head **H** Key 3 Button 89070-0R130 4 Button (power hatch) 89070-0R100	Type 6	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

Note: Transponder system may be optional.
RKE functions program using Toyota remotes menu type4
IMPORTANT: The “G” chip will NOT substitute for the new “H” chip
16 MINUTE BYPASS: Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)

2012-2014 PRIUS C WITH KEY IGNITION — ADS-174

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer G Key: 89785-08040	Type 5	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

Note: Transponder system may be optional.
16 MINUTE BYPASS: Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)

2010-2017 PRIUS WITH PROXIMITY START BUTTON IGNITION — ADS-174

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Remote & Key Required	PROX 6	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

2004-2009 PRIUS WITH SMART ACCESS — ADS-150

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Remote Toyota Part# 89994-47061	SELECT BY VEHICLE 04-09 PRIUS WITH SMART	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**M** Orange

Note: Smart Access system has small rubber buttons on door handles.

PLEASE USE BETA 12.54 OR HIGHER, NEW GUIDED SOFTWARE

2004-2009 PRIUS No SMART ACCESS System — ADS-150

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Remote Fob Toyota Part# 89070-47180	SELECT BY VEHICLE 04-09 PRIUS WITH SMART	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**M** Orange

Note: Prius models without Smart Access system have No small rubber buttons on door handles. .

PLEASE USE BETA 12.54 OR HIGHER, NEW GUIDED SOFTWARE

2000-2003 PRIUS This model is listed just to make sure you will know it cannot be done with T-CODE or MVP



No OBD2 access. Engine control must be reprogrammed or key introduced by Eeprom

2011-2017 RAV4 WITH PROXIMITY START BUTTON IGNITION — ADS-174

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Remote & Key Required	PROX 6	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

Note: We have had reports that on a RESET if PROX 6 fails then switch to PROX 1 system.

2009-2010 RAV4 WITH PROXIMITY START BUTTON IGNITION — ADS-150

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Remote & Key Required	PROX 1	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

2013-2016 RAV4 WITH KEY IGNITION — ADS-199

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Remote Head **H** Key 3 Button 89070-0R130 4 Button (power hatch) 89070-0R100	Type 6	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

RKE functions program using Toyota remotes menu type4
IMPORTANT: The "G" chip will NOT substitute for the new "H" chip.
16 MINUTE BYPASS: Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)

Split Year

2010-2012 RAV4 WITH KEY IGNITION — ADS-174

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer **G** Key: 89785-08040	Type 5	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

Note: 2010 is a split year. Determine the proper system and which key to use by which system communcates. Only the correct system will communicate the other will not. TYPE5= G key TYPE4= 4D chip key.
16 MINUTE BYPASS: Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)

2007-2010 RAV4 WITH KEY IGNITION — ADS-150

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
 TOY44D-PT	Type 4	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

Note: 2010 is a split year. Determine the proper system and which key to use by which system communcates. Only the correct system will communicate the other will not. TYPE5= G key TYPE4= 4D chip key.On Type 4 lost key situations a "quick reset" feature is available, see last page of this section for details.

2006 RAV4 — ADS-125 OR 150

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
 TOY44D-PT	Type 2 or 4	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

Note: Transponder is optional.

Note: For lost key situations use "QUICK RESET IMMOBILIZER"

2004-2005 RAV4 — ADS-125

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
 TOY44D-PT	Type 2	No	No	Not Needed	**A**-Black Or SD

Note: Transponder is optional. For lost key situations a "quick reset" feature is available, see last page of this section for details.

2001-2003 RAV4 WITH OPTIONAL TRANSPONDER - THIS MODEL IS LISTED JUST TO MAKE SURE YOU WILL KNOW IT CANNOT BE DONE WITH T-CODE OR MVP

Not supported. No OBD2 access. Engine control must be reprogrammed or key introduced by Eeprom

2014-2015 SEQUOIA — ADS- 199

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Remote Head H Key 3 Button 89070-0R130 4 Button (power hatch) 89070-0R100	Type 6	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	A-Black Or SD

16 MINUTE BYPASS: Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)

2011-2013 SEQUOIA — ADS- 174

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer G Key: 89785-08040	Type 5	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	A-Black Or SD

16 MINUTE BYPASS: Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)

2008-2010 SEQUOIA — ADS- 150

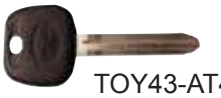
ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
 TOY44D-PT	Type 4	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	A-Black Or SD

Note: For lost key situations use “QUICK RESET IMMOBILIZER”

2003-2007 SEQUOIA - THIS MODEL IS LISTED JUST TO MAKE SURE YOU WILL KNOW IT CANNOT BE DONE WITH T-CODE OR MVP

No OBD2 access. Engine control must be reprogrammed or key introduced by Eeprom

2001-2002 SEQUOIA — ADS- 125

	ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
	TOY43-AT4	Type 1	No	No	Not Needed	A-Black Or SD

2011-2016 SIENNA WITH PROXIMITY START BUTTON IGNITION — ADS-174

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Remote & Key Required	PROX 6	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	A-Black Or SD

2015-2016 SIENNA WITH KEY IGNITION — ADS-199

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer H Key	Type 6	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	A-Black Or SD

Note: Transponder optional, models with charcoal color door handles are usually non-transponder.
16 MINUTE BYPASS: Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)

2011-2014 SIENNA WITH KEY IGNITION — ADS-174

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer G Key: 89785-08040	Type 5	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

Note: Transponder optional, models with charcoal color door handles are usually non-transponder.
16 MINUTE BYPASS: Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)

2008-2010 SIENNA — ADS-150

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
 TOY44D-PT	Type 4	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

Note: For lost key situations use “QUICK RESET IMMOBILIZER”

2004-2007 SIENNA — ADS-125

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
 TOY44D-PT	Type 2	No	No	Not Needed	**A**-Black Or SD

Note: For lost key situations use “QUICK RESET IMMOBILIZER”

1999-2003 SIENNA - THIS MODEL IS LISTED JUST TO MAKE SURE YOU WILL KNOW IT CANNOT BE DONE WITH T-CODE OR MVP

No OBD2 access. Engine control must be reprogrammed or key introduced by Eeprom

2008-2009 SOLARA — ADS-150

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
 TOY44D-PT	Type 4	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

Note: For lost key situations use “QUICK RESET IMMOBILIZER”

2007 SOLARA — ADS-125 OR 150

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
 TOY44D-PT	Type 2 or 4	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

Note: 2007 was a split year.
For lost key situations a “quick reset” feature is available, see last page of this section for details.

2004-2006 SOLARA — ADS-125

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
 TOY44D-PT	Type 2	No	No	Not Needed	**A**-Black Or SD

Note: For lost key situations use “QUICK RESET IMMOBILIZER”

2002-2003 SOLARA WITH 4-CYL ENGINE — ADS-125

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
 TOY43-AT4	Type 1	No	No	Not Needed	**A**-Black Or SD

Note: Transponder system was optional. Must check engine size for proper immobilizer system.

2016 TACOMA WITH PROXIMITY START BUTTON IGNITION — ADS-227

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Remote & Key Required	PROX 7	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

2011-2015 TACOMA — ADS-174

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer G Key: 89785-08040	Type 5	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

16 MINUTE BYPASS: Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)

2008-2010 TACOMA — ADS-150

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
 TOY44D-PT	Type 4	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

Note: For lost key situations use “QUICK RESET IMMOBILIZER”

2005-2007 TACOMA — ADS-125

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
 TOY44D-PT	Type 2	No	No	Not Needed	**A**-Black Or SD

Note: For lost key situations use “QUICK RESET IMMOBILIZER”

2016-2017 TUNDRA — ADS-174

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer G Key: 89785-08040 OR Dealer H Key	Type 5 SEE NOTE Type 6	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

Note: 2016-2017 Tundra can be EITHER equipped with a G key or H key system. If no key to look at is available: Determine the proper system and which key to use by which system RESETS. Only the correct system will go RESET the other will FAIL. TYPE5= G key TYPE6= H chip key.
Determine system first before cutting an expensive key!
16 MINUTE BYPASS: Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)

2010-2015 TUNDRA — ADS-174

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer G Key: 89785-08040	Type 5	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

Note: 2010 is a split year. Determine the proper system and which key to use by which system communcates. Only the correct system will communicate the other will not. TYPE5= G key TYPE4= 4D chip key.
16 MINUTE BYPASS: Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)

2007-2010 TUNDRA — ADS-150

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
 TOY44D-PT	Type 4	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

Note: Transponder system was optional.
2010 is a split year. Determine the proper system and which key to use by which system communcates. Only the correct system will communicate the other will not. TYPE5= G key TYPE4= 4D chip key.On Type 4 lost key situations a “quick reset” feature is available, see last page of this section for details.

2009-2015 VENZA WITH PROXIMITY START BUTTON IGNITION — ADS-174

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer Proximity Remote & Key Required	PROX 6	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

Split Year

2010-2014 VENZA WITH KEY IGNITION — ADS-174

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer G Key: 89785-08040	Type 5	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

Note: 2010 is a split year. Determine the proper system and which key to use by which system communcates. Only the correct system will communicate the other will not. TYPE5= G key TYPE4= 4D chip key.
16 MINUTE BYPASS: Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)

2010 VENZA WITH KEY IGNITION — ADS-150

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
 TOY44D-PT	Type 4	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

Note: 2010 is a split year. Determine the proper system and which key to use by which system communcates. Only the correct system will communicate the other will not. TYPE5= G key TYPE4= 4D chip key.

For lost key situations a “quick reset” feature is available, see last page of this section for details.

2017 YARIS IA With Push to Start Proximity System — ADS-225

DEALER /	SYSTEM	SMART Card	PIN Required		PRO Dongle
Fob KDY3-67-5DY E-Key KDY3-76-201	Select MAZDA 6 2014>	Yes	Dealer INCODE Required*	*Free InCode Bypass now available for SD	**G**-Tan Or SD

THIS VEHICLE IS THE SAME AS A 2016 MAZDA 6.
Notes: Rolling code system, get Out-Code from tester and obtain In-code from Dealer or N.A.S.T.F.
Keep the tester connected or codes change to new ones and you will have to start over.
Both ADD PROX and ERASE PROX are available. 2 PROX are required if using ERASE PROX.

2015-2016 YARIS — ADS-199

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer **H** Key	Type 6	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

Note: Transponder system is optional.
16 MINUTE BYPASS: Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)

2012-2014 YARIS — ADS-174

OEM	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
Dealer **G** Key: 89785-08040	Type 5	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

Note: Transponder system is optional.
16 MINUTE BYPASS: Testers equipped with Smart Dongle and ADS-174 & ADS-199 can now bypass the 16 min wait on RESET IMMOBILIZER G & H KEY systems. (Use latest BETA)

2008-2011 YARIS — ADS-150

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
 TOY44D-PT	Type 4	A.D. Webcode required if not using Smart Card or Smart Dongle		Not Needed	**A**-Black Or SD

Note: Transponder system is optional.
For lost key situations a “quick reset” feature is available, see last page of this section for details.

2007 YARIS — ADS-125

ILCO	SYSTEM	SMART Card	PIN Required	PIN Read	PRO Dongle
 TOY44D-PT	Type 2	No	No	Not Needed	**A**-Black Or **SD**

Note: Transponder system is optional.
For lost key situations a “quick reset” feature is available, see last page of this section for details.

TYPE 1
KEYED IMMOBILIZER



SPECIAL FUNCTIONS

RESET IMMOBILIZER- This function allows you to erase all keys and to place the immobilizer in the "Auto Learn Mode". This function is used when the customer has lost all their keys.

ADD MASTER KEY- This function allows you to add a Master key to the car's immobilizer system as long as you have an existing pre-programmed Master key to start with. On Type 1 system cars it is possible to program a key in as a Valet or as a Master.

ADD VALET KEY- This function allows you to add a Valet key to the car's immobilizer system as long as you have an existing pre-programmed Master key to start with. The vehicle's immobilizer system cannot tell the difference between the transponder chip in the key, so it is possible to program a Master as a Valet into the immobilizer system.

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

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-125	ADC-250 / ADC- 251 A (BLACK) DONGLE
MAX # OF KEYS:	**SMART DONGLE?**
8	YES
KEYS:	**SECURITY:**
Re-usable.	NO PIN CODE
	COMPONENTS MATCHED?
	YES
	MATCHING CAPABILITY?
	NOT AVAILABLE

SECURITY LIGHT / THEFT INDICATOR:

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

MORE INFO:

ALL Lexus TYPE 1 use 4C transponder chips in the keys.
The same 4C chip can be programmed into the car as a **MASTER** or as a **VALET** key.

A key that is programmed as a VALET cannot be used to introduce more keys into the system with the MVP or T-Code.

How to tell if a programmed key is a MASTER or a VALET?

Valet key- when first inserted into the ignition lock, the Security Light will stay on for 2 seconds and then stay off.

Master key- when inserted into the ignition lock, the Security Light will not illuminate at all.

TYPE 1
KEYED IMMOBILIZER

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

Select:

+TOYOTA
+BY SYSTEM
+IMMOBILIZER
+TYPE 1



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

LEXUS / TOYOTA TYPE 1

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

WARNING:
OPEN THE DRIVERS DOOR & MAKE SURE IT STAYS OPEN UNTIL COMPLETED!

DIAGNOSTIC MENU

> RESET Immobilizer
ADD MASTER KEY
ADD VALET KEY
ERASE KEYS

Note: This will cause ALL keys to be erased and put the Immobilizer system into “Auto Learn” mode.

RESET Immobilizer

GAINING ACCESS

TIME REQUIRED 16:00
TIME ELAPSED 0:28

Note: Do not be impatient.
Some vehicles may go over 16 minutes.
If the timer goes over 35 minutes - stop.
Disconnect from the OBD2 port and remove the key. Wait 20 sec. and start over.

RESET Immobilizer

PROCEDURE COMPLETE

PRESS ENTER KEY

Once you have PROCEDURE COMPLETE on the tester, look at the immobilizer light.

The Security Light can be in 2 shapes:
> A small blinking red circle next to the word “Security”.



> A blinking red light in the shape of a car.



The light should now be solid indicating that the Immobilizer system has been Reset and the vehicle is now in Auto Learn mode Insert each key you want to program - but do not turn the key ON, only insert and remove after 5 seconds.

The vehicle may learn up to 3 keys this way and the Auto Learn mode should close once the 3rd key is presented. The last key presented will be programmed in as Valet key.

If you have less than 3 keys to program You can close the Auto Learn mode early by pressing the brake pedal 6-8 times, very fast. (You must use a Master key for this.)

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TYPE 1
KEYED IMMOBILIZER

ADD MASTER KEY
(You must have a programmed MASTER KEY to perform this procedure)

Insert a Master key that is already registered into the vehicle. Turn the ignition lock to the "ON" position. The Security Light must be out when the key is in.

NOTE: If you do not have an existing Master key, you must use the "Reset Immobilizer" procedure to Reset the Immobilizer system. A Valet key will not work as a substitute for a Master Key.

Select:

+TOYOTA
+BY SYSTEM
+IMMOBILIZER
+TYPE 1



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

LEXUS/TOYOTA TYPE 1

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU

RESET Immobilizer
> ADD MASTER KEY
ADD VALET KEY
ERASE KEYS

ADD MASTER KEY

WARNING
FOLLOW NEXT SCREENS
QUICKLY & CAREFULLY

PRESS ENTER KEY

ADD MASTER KEY

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

ADD MASTER KEY

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

Note: Read carefully & follow the screen prompts.

ADD MASTER KEY

TIME ELAPSED: 2 S

Note: This usually takes about 60 seconds. If the timer goes past 120 seconds, stop. The key is most likely now programmed. Disconnect & try key.

ADD MASTER KEY

PROCEDURE COMPLETE

TIME ELAPSED: 59 S

PRESS ENTER KEY

Note: If you get an Error message screen: disconnect from the OBD2 port and remove the key. Wait 20 seconds and start over. On this Type, each key must be added separately. Disconnect from the OBD2 port and remove the key. Wait 20 seconds and start over to add another key.

TYPE 1
KEYED IMMOBILIZER

ADD VALET KEY
(You must have a programmed MASTER KEY to perform this procedure)

Insert a Master key that is already registered into the vehicle. Turn the ignition lock to the "ON" position. The Security Light must be out when the key is in.

NOTE: If you do not have an existing Master key, you must use the "Reset Immobilizer" procedure to Reset the Immobilizer system. A Valet key will not work as a substitute for a Master Key.

Select:

+TOYOTA
+BY SYSTEM
+IMMOBILIZER
+TYPE 1



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

LEXUS/LEXUS TYPE 1

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU

RESET Immobilizer
ADD MASTER KEY
> ADD VALET KEY
ERASE KEYS

ADD VALET KEY

WARNING
FOLLOW NEXT SCREENS
QUICKLY & CAREFULLY

PRESS ENTER KEY

ADD VALET KEY

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

ADD VALET KEY

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.

ADD VALET KEY

TIME ELAPSED: 2 S

Note: This usually takes about 60 seconds. If the timer goes past 120 seconds, stop. The key is most likely now programmed. Disconnect & try key.

ADD VALET KEY

PROCEDURE COMPLETE

TIME ELAPSED: 59 S

PRESS ENTER KEY

Note: If you get an Error message screen, disconnect from the OBD2 port and remove the key. Wait 20 seconds and start over. On this Type, each key must be added separately. Disconnect from the OBD2 port and remove the key. Wait 20 seconds and start over to add another key.

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TYPE 1
KEYED IMMOBILIZER

ERASE KEYS
(You must have a programmed MASTER KEY to perform this procedure)

Insert a Master key that is already registered into the vehicle. Turn the ignition lock to the "ON" position. The Security Light must be out when the key is in.

NOTE: If you do not have an existing Master key, you must use the "Reset Immobilizer" procedure to Reset the Immobilizer system. A Valet key will not work as a substitute for a Master Key.

Select:

+TOYOTA
+BY SYSTEM
+IMMOBILIZER
+TYPE 1



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

LEXUS TYPE 1

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU

RESET Immobilizer
ADD MASTER KEY
ADD VALET KEY
> ERASE KEYS

ERASE KEYS

WARNING
FOLLOW NEXT SCREENS
QUICKLY & CAREFULLY

PRESS ENTER KEY

ERASE KEYS

SWITCH IGNITION OFF
REMOVE MASTER KEY
WITHIN 10 Sec

TIME ELAPSED: 1 S

ERASE KEYS

INSERT MASTER KEY
SWITCH IGNITION ON

PRESS ENTER KEY

PLEASE WAIT
TRYING TO COMMUNICATE

ERASE KEYS

PROCEDURE COMPLETE

PRESS ENTER KEY

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

Wait 20 seconds and start over.

TYPE 2
KEYED IMMOBILIZER

SPECIAL FUNCTIONS

QUICK RESET IMMOBILIZER- This function erase all keys and "instantly" places the immobilizer in "Auto Learn Mode". This function is used when the customer has lost all their keys.

CAUTION: AT LEAST 1 CHIP USED MUST BE A MASTER TYPE CHIP.

PROGRAM KEY- This function allows you to add A MASTER OR VALET to the car's immobilizer system as long as you have an existing pre-programmed Master key to start with.

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

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-125	ADC-250 / ADC- 251 A (BLACK) DONGLE
MAX # OF KEYS:	**SMART DONGLE?**
5 Master 3 Valet 8-Total	YES
KEYS:	**SECURITY:**
4D TRANSPONDER CHIPS ARE RE-USABLE. THEY COME IN TWO TYPES: MASTER & VALET.	NO PIN CODE
	COMPONENTS MATCHED?
	NO
	MATCHING CAPABILITY?
	N/A

SECURITY LIGHT / THEFT INDICATOR:

Observing the security light is critical to success when working on TOYOTA TYPE 2 Immobilizer systems.

MORE INFO:

How to tell if a programmed key is a MASTER or a VALET?

Valet key- when first inserted into the ignition lock, the Security Light will stay on for 2 seconds and then stay off.

Master key- when inserted into the ignition lock, the Security Light will not illuminate at all.

This test assumes that you have programmed keys! If not a cloner can be used to determine the type of chip inside the keys.

TYPE 2
KEYED IMMOBILIZER

"Quick" RESET Immobilizer
(Use this method if you have no Master Keys.)

ONLY A MASTER CHIP CAN BE USED HERE!
A VALET CHIP/KEY WILL NOT WORK!

Select:

+TOYOTA
+BY SYSTEM
+IMMOBILIZER
+TYPE 2

DIAGNOSTIC MENU
RESET Immobilizer
PROGRAM KEY
ERASE KEYS
> QUICK RESET Immobilizer
PRESS ENTER KEY

make sure to pick QUICK RESET.

The old TIMED reset is still there but is no longer needed! Why wait when you don't have to!



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWITCH IGNITION ON
PRESS ENTER KEY

AFTER PRESSING "ENTER"
DO NOT WATCH THE TESTER,
WATCH FOR A SOLID SECURITY LIGHT!

Most of the time you will see PROCEDURE COMPLETE message on the tester. However, sometimes the car does not signal the tester that the immobilizer has been reset and you may see COMMUNICATION FAILED on the screen.

IF YOU DON'T HAVE A SOLID THEFT LIGHT REMOVE THE KEY AND LOOK AGAIN!

ECU IDENTIFICATION
LEXUS/TOYOTA TYPE 2
PRESS ENTER KEY

RESET Immobilizer
PROCEDURE COMPLETE WATCH FOR SOLID THEFT LIGHT
PRESS ENTER KEY

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

ONCE YOU HAVE A SOLID IMMOBILIZER LIGHT THE SYSTEM IS IN "AUTO LEARN MODE"

SEE NEXT PAGE FOR WHAT TO DO NEXT

WARNING:
OPEN THE DRIVERS DOOR & MAKE SURE IT STAYS OPEN UNTIL COMPLETED!

TYPE 2
KEYED IMMOBILIZER

"Quick" RESET Immobilizer - Cont'd
What to do once the RESET is completed and the theft light is solid

WHAT TO DO ONCE THE THEFT LIGHT GOES SOLID

>"Auto Learn Mode" is indicated by the steady illumination of the Security Light.
>Once you see a solid theft light. Insert each key you want to program - but do not turn the key ON - only insert each key and remove after 5 seconds.
>The vehicle should accept 2 Master Keys and 1 Valet key in this manner.
>After the 3rd key - 2 Master Keys & 1 Valet Key "Auto Learn Mode" should close automatically.
>If you want to ADD more Master or Valet Keys , perform the PROGRAM KEY PROCEDURE.

HOW TO PROGRAM ONLY 1 KEY AFTER A RESET:

>You can close the cycle early after only 1 or 2 keys are inserted by turning the ignition lock from Off to On and back to Off 6-8 times, very fast, with a Master key.
>Remove the key and re-insert it and the Security Light should be completely out when there is a programmed key in the ignition.

HOW TO PROGRAM MORE THAN 2 MASTER KEYS:

>You can have up to 5 Master Keys and 3 Valet Keys.
>Once you have at least 1 programmed master key or two master keys and you want to add more use one of the masters using the PROGRAM KEY PROCEDURE to ADD MORE KEYS.

WHAT TO DO IF THE THEFT LIGHT WAS SOLID BUT NOW BLINKS AND WILL NOT SHUT OFF:

>Insert a key with a valid transponder leave the IGNITION OFF for 5 seconds. Turn the ignition lock from Off to On and back to Off 6-8 times, very fast, This should program as a MASTER KEY and close the cycle . If this does not work, check the chip in the key you are trying to use. It may be incorrect.

>Check the Key Warning Buzzer , it must be functioning properly for Key Learning.

>If the theft light blinks a "2 blinks then 1 blink" repeat pattern, this usually means the chip is incorrect.

>Once in the Auto Learn Mode the system will remain in this mode until a key - or keys is successfully learned. Even if you disconnect the battery on the vehicle and return much later the system will still be in Auto Learn Mode.

>If you try and perform an Immobilizer Reset and the system is already in Auto Learn Mode you will get "ERROR" on the tester.

>It is a good idea to keep a spare Valet Key handy. We have seen instances when the Auto Learn Mode would not close until 2 Master Keys and a Valet Key are learned. It never hurts to be prepared! If you end up needing a Valet Key, you won't have to give it to the customer, keep it for the next time. Since Toyota Keys don't need to be turned in the ignition for learning you won't even have to cut it.

TYPE 2
KEYED IMMOBILIZER

ADD MASTER or VALET KEY
(Use this method if you have at least 1 Master Key)

WARNING: If you do not have an existing Master key, you must use the "Reset Immobilizer" procedure to Reset the Immobilizer. A Valet key will not work as a substitute for a Master Key.

Insert a Master key that is already registered into the vehicle. Turn the ignition lock to the "ON" position. The Security Light must be out when the key is in. Connect and follow screens.

Select:

+TOYOTA
+BY SYSTEM
+IMMOBILIZER
+TYPE 2



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

LEXUS / TOYOTA TYPE 2

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
LIVE DATA
ACTUATORS
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU

RESET Immobilizer
> PROGRAM KEY
ERASE KEYS

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

PROGRAM KEY

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

PROGRAM KEY

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

PROGRAM KEY

PLEASE WAIT

TIME ELAPSED: 2 S

This usually takes about 60 seconds.
If the timer goes past 120 seconds the Pro may not have received a signal from the car, try the key.

PROGRAM KEY

PROCEDURE COMPLETE

TIME ELAPSED: 59 S
PRESS ENTER KEY

LEAVE IGNITION OFF HERE!!

If Program Key goes all the way thru to procedure complete without any error and yet the car does not start.
The key memory may be full.
Solution: Use erase key and then add any keys you have back in.

TYPE 2
KEYED IMMOBILIZER

ERASE KEYS
(Use this method if you have at least 1 Master Key)

Insert a Master key that is already registered into the vehicle. Turn the ignition lock to the “ON” position. The Security Light must be out when the key is in. Connect and follow screens.

NOTE: If you do not have an existing Master key, you must use the “Reset Immobilizer” procedure to Reset the Immobilizer system. A Valet key will not work as a substitute for a Master Key.

Select:

+TOYOTA
+BY SYSTEM
+IMMOBILIZER
+TYPE 2



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

TOYOTA LEXUS TYPE 2

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
LIVE DATA
ACTUATORS
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU

RESET IMMOBILISER
PROGRAM KEY
> ERASE KEYS

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

PLEASE WAIT
TRYING TO COMMUNICATE

ERASE KEYS

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

ERASE KEYS

PROCEDURE COMPLETE

PRESS ENTER KEY

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

ONCE COMPLETED ONLY THE 1 KEY FOR THE PROCEDURE IS PROGRAMMED.

ONLY A MASTER CHIP CAN BE USED.
A VALET CHIP WILL NOT WORK!

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TYPE 4
KEYED IMMOBILIZER

SPECIAL FUNCTIONS

““Quick” RESET Immobilizer- This function erase all keys and “instantly” places the immobilizer in “Auto Learn Mode”. This function is used when the customer has lost all their keys.

CAUTION: AT LEAST 1 MASTER TYPE CHIP MUST BE USED FIRST FOLLOWING A RESET IN ORDER TO BE SUCCESSFUL!

RESET ECU: This procedure needs to be completed after RESET Immobiliser to re-sync the cars immobilizer and ECU. (It is however, not needed after Quick Reset as Quick Reset includes an ECU)

PROGRAM KEY- This function allows you to add A MASTER OR VALET to the car’s immobilizer system as long as you have an existing pre-programmed Master key to start with.

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

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-150	ADC-250 / ADC- 251 A (BLACK) DONGLE
MAX # OF KEYS:	**SMART DONGLE?**
5 Master 3 Valet 8-Total	YES
KEYS:	**SECURITY:**
RE-USABLE.	NO PIN CODE
	COMPONENTS MATCHED?
	NO
	MATCHING CAPABILITY?
	N/A

SECURITY LIGHT / THEFT INDICATOR:

Observing the security light is critical to success when working on TOYOTA TYPE 4 Immobilizer systems.

MORE INFO:

How to tell if a programmed key is a MASTER or a VALET?

Valet key- when first inserted into the ignition lock, the Security Light will stay on for 2 seconds and then stay off.

Master key- when inserted into the ignition lock, the Security Light will not illuminate at all.

This test assumes that you have programmed keys! If not a cloner can be used to determine the type of chip inside the keys.

ALL Toyota TYPE 4 vehicles use what the industry refers to as a 4D transponder chip in the keys.

Factory 4D chips can come in two varieties:
MASTER and VALET.

Factory keys with grey plastic heads have a VALET type chip and cannot be used to perform a RESET or to introduce more keys into the system



A “DOT” on the key blade usually indicates the key has a 4D type chip inside

WATCH VIDEO - 2009 CAMRY



TYPE 4
KEYED IMMOBILIZER

What is "AUTO LEARN MODE" ?
Why is it so important ?

> THEFT LIGHT - Watching the theft light is essential to success, locate it on the vehicle before starting any procedures!

> "AUTO LEARN MODE" is the "CONDITION" or "MODE" that the immobilizer is placed in following an Immobilizer Reset procedure.

(Quick or Regular, both should produce a solid theft light once the procedure is complete)

> The reason that "Auto Learn Mode" is so important is that this is the mode the system must be in order to accept new keys when there is no working MASTER key available. (ALL KEYS LOST)

> It is easy to tell if the car is in "Auto Learn Mode" by observing the theft light.

> A SOLID (not blinking) theft light is the clue and what you need to look for.

> Following an Immobilizer Reset take the key out of the ignition switch.
Look carefully at the theft light. *Is it SOLID?*

>It's important that the Key Buzzer Warning be functioning properly for procedures to work properly.
If there is any doubt, it's easy to test. See if the Key Buzzer Warning sounds when the drivers door is open and a key is inserted in the Ignition switch. Next see if it shuts off when the key is removed.

> A TYPE 4 immobilizer that is in "AUTO LEARN MODE" is ready to learn keys that are placed in the IGNITION switch. The switch should be left in the "OFF" position and it's the Key Buzzer Warning device inside the switch that signals the car to start learning the key. Insert each key to be learned in the Ignition for 5 seconds each without turning the switch. "AUTO LEARN MODE" will close automatically after 3 keys are learned. If you need to program less than 3 keys. Close "AUTO LEARN MODE" early by switching the Ignition ON/OFF very quickly 8-10 times.

WATCH VIDEO-
TOYOTA 4 RUNNER QUICK RESET , CLOSE LEARN MODE WITH 2 MASTER KEYS AND 1 VALET KEY.



TYPE 4
KEYED IMMOBILIZER

"Quick" RESET Immobilizer
(Use this method if you have no Master Keys.)

ONLY A MASTER CHIP CAN BE USED HERE!
A VALET CHIP/KEY WILL NOT WORK!

Select:

+TOYOTA
+BY SYSTEM
+IMMOBILIZER
+TYPE 4

DIAGNOSTIC MENU

RESET Immobilizer
PROGRAM KEY
ERASE KEYS
> QUICK RESET Immobilizer

PRESS ENTER KEY

make sure to pick QUICK RESET.

The old TIMED reset is still there but is no longer needed! Why wait when you don't have to!



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWITCH IGNITION ON

PRESS ENTER KEY

AFTER PRESSING "ENTER"
DO NOT WATCH THE TESTER,
WATCH FOR A SOLID SECURITY LIGHT!

Most of the time you will see PROCEDURE COMPLETE message on the tester. However, sometimes the car does not signal the tester that the immobilizer has been reset and you may see COMMUNICATION FAILED on the screen.

IF YOU DON'T HAVE A SOLID THEFT LIGHT REMOVE THE KEY AND LOOK AGAIN!

ECU IDENTIFICATION

LEXUS/TOYOTA TYPE 4

PRESS ENTER KEY

RESET Immobilizer

PROCEDURE COMPLETE
WATCH FOR
SOLID THEFT LIGHT

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
LIVE DATA
ACTUATORS
> SPECIAL FUNCTIONS

ONCE YOU HAVE A SOLID IMMOBILIZER LIGHT THE SYSTEM IS IN "AUTO LEARN MODE"

SEE NEXT PAGE FOR WHAT TO DO NEXT

WARNING:
OPEN THE DRIVERS DOOR & MAKE SURE IT STAYS OPEN UNTIL COMPLETED!

TYPE 4
KEYED IMMOBILIZER

"Quick" RESET Immobilizer - Cont'd
What to do once the RESET is completed and the theft light is solid

Once the theft light is solid, here's what to do:

> "Auto Learn Mode" is indicated by the steady illumination of the Security Light.

> Once you see a solid theft light. Insert each key you want to program - but do not turn the key ON - only insert each key and remove after 5 seconds.
> The vehicle should accept 2 Master Keys and 1 Valet key in this manner.
> After the 3rd key - 2 Master Keys & 1 Valet Key "Auto Learn Mode" should close automatically.
> If you want to ADD more Master or Valet Keys , perform the PROGRAM KEY PROCEDURE.

What if you only want to program 1 Master Key? Here's what to do:

> You can close the cycle early after only 1 or 2 keys are inserted by turning the ignition lock from Off to On and back to Off 6-8 times, very fast, with a Master key.

> Remove the key and re-insert it and the Security Light should be completely out when there is a programmed key in the ignition.

What if you want to program more than 2 Master Keys?

> You can have up to 5 Master Keys and 3 Valet Keys. Use the PROGRAM KEYS PROCEDURE.

If the theft light is solid or blinks & will not shut off:

> Repeat the process of turning the ignition lock from Off to On and back to Off 6-8 times, very fast, with a Master key.

> Check the Key Warning Buzzer , it must be functioning properly for Key Learning.

> Check the chip in the key/s you are trying to use. It may be incorrect.

> If the theft light blinks a "2 blinks then 1 blink" repeat pattern, this usually means the chip is incorrect.

> Once in the Auto Learn Mode the system will remain in this mode until a key - or keys is successfully learned. Even if you disconnect the battery on the vehicle and return much later the system will still be in Auto Learn Mode.

> If you try and perform an Immobilizer Reset and the system is already in Auto Learn Mode you will get "ERROR" on the tester.

> It is a good idea to keep a spare Valet Key handy. We have seen instances when the Auto Learn Mode would not close until 2 Master Keys and a Valet Keys are learned. It never hurts to be prepared! If you end up needing a Valet Key, you won't have to give it to the customer, keep it for the next time. Since Toyota Keys don't need to be turned in the ignition for learning you won't even have to cut it.

TYPE 4
KEYED IMMOBILIZER

ADD MASTER or VALET KEY
(Use this method if you have at least 1 Master Key)

WARNING: If you do not have an existing Master key, you must use the "Reset Immobilizer" procedure to Reset the Immobilizer. A Valet key will not work as a substitute for a Master Key.

Insert a Master key that is already registered into the vehicle. Turn the ignition lock to the "ON" position. The Security Light must be out when the key is in. Connect and follow screens.

Select:

+TOYOTA
+BY SYSTEM
+IMMOBILIZER
+TYPE 4



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

LEXUS / TOYOTA TYPE 2

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
LIVE DATA
ACTUATORS
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU

RESET Immobilizer
> PROGRAM KEY
ERASE KEYS
RESET ECU
QUICK RESET Immobilizer

PRESS ENTER KEY

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

PRESS ENTER KEY

PROGRAM KEY

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

PRESS ENTER KEY

PROGRAM KEY

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

PRESS ENTER KEY

PROGRAM KEY

PLEASE WAIT

TIME ELAPSED: 2 S

This usually takes about 60 seconds.
If the timer goes past 120 seconds the Pro may not have received a signal from the car, try the key.

PROGRAM KEY

PROCEDURE COMPLETE

TIME ELAPSED: 59 S

PRESS ENTER KEY

LEAVE IGNITION OFF HERE!!

If Program Key goes all the way thru to procedure complete without any error and yet the car does not start.
The key memory may be full.
Solution: Use erase key and then add any keys you have back in.

TYPE 4
KEYED IMMOBILIZER

ERASE KEYS
(Use this method if you have at least 1 Master Key)

Insert a Master key that is already registered into the vehicle. Turn the ignition lock to the “ON” position. The Security Light must be out when the key is in. Connect and follow screens.

NOTE : If you do not have an existing Master key, you must use the “Reset Immobilizer” procedure to Reset the Immobilizer system. A Valet key will not work as a substitute for a Master Key.

Select:

+TOYOTA
+BY SYSTEM
+IMMOBILIZER
+TYPE 4



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

TOYOTA LEXUS TYPE 2

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
LIVE DATA
ACTUATORS
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU

RESET Immobilizer
PROGRAM KEY
> ERASE KEYS
RESET ECU
QUICK RESET Immobilizer

PRESS ENTER KEY

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

PRESS ENTER KEY

PLEASE WAIT
TRYING TO COMMUNICATE

ERASE KEYS

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

ERASE KEYS

PROCEDURE COMPLETE

PRESS ENTER KEY

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

ONCE COMPLETED ONLY THE 1 KEY FOR THE PROCEDURE IS PROGRAMMED.

ONLY A MASTER CHIP CAN BE USED.
A VALET CHIP WILL NOT WORK!

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TYPE 2 & TYPE 4
KEYED IMMOBILIZER

Troubleshooting:

Problem: After a Reset, the car starts and runs but the theft light blinks.

Solution: The car is still in “learn mode” close the learning cycle by turning the ignition ON/OFF quickly at least 6-8 times until the light goes out.

Problem: Program key goes all the way thru to a successful conclusion with no errors but the car cranks and does not start.

Solution: Barring any other problems (low fuel, failed components etc) the car key memory may be full.

Meaning that 5 Master Keys and or 3 Valet Keys are already programmed and no more can be added.

Use ERASE KEYS with a MASTER KEY and this will ERASE all keys except the 1 Master Key used.

Now go back and use PROGRAM KEY to add any other keys you want to program.

RKE PROGRAMMING

GRID INDEX

- Only the models listed are supported- (all others use ON BOARD PROGRAMMING METHODS)

TOYOTA MODELS	YEARS	SYSTEM TYPE	S/W T-CODE
4-RUNNER	2007-2015	REMOTE 2	ADS-125
AVALON	2010-2013	REMOTE 2	ADS-125
CAMRY	2007-2016	REMOTE 4	ADS-150
COROLLA	Mid 2010-2017	REMOTE 4	ADS-150
FJ CRUISER	2010-2012	REMOTE 4	ADS-150
HIGHLANDER	2005-2006	REMOTE 4	ADS-150
LAND CRUISER	2003-2016	REMOTE 2	ADS-125
RAV-4	2007-2016	REMOTE 4	ADS-150
SEQUOIA	2003-2016	REMOTE 4	ADS-125
SIENNA	2010-2016	REMOTE 4	ADS-150
TUNDRA	2003	REMOTE 2	ADS-125
TUNDRA	2007-2016	REMOTE 4	ADS-150
VENZA	2010-2016	REMOTE 4	ADS-150

On-Board Procedure

For Smart Entry LS430 and other models not listed here

Included here as a courtesy, Not supported by Tech Support.

1. Driver's door open, all other doors closed, key removed from ignition switch.
   Within 5 seconds:
   Insert and remove the key from the ignition switch twice.

2. Within 40 seconds:
   Close and open driver's door twice.
   Insert and remove the key from the ignition switch.

3. Within 40 seconds:
   Close and open driver's door twice.
   Insert the key into the ignition switch and close the driver's door.

4. Switch ignition ON and OFF:
   A. Once to program a key remote transmitter code whilst retaining the original codes.
   B. Twice to program a key remote transmitter code whilst erasing the original codes.
   C. Three times to check how many key remote transmitters are currently registered.
   D. Five times to erase all registered codes.

5. Remove key from ignition switch. System should now lock and unlock vehicle
   once, twice or five times depending which mode has been selected. One to four
   times, slowly, to indicate number of key remote transmitters registered.

6. Within 40 seconds:
   Press and hold LOCK and UNLOCK buttons simultaneously for 1.5 seconds.
   Within 3 seconds: Press any key remote transmitter button.

   System should now lock and unlock vehicle once to confirm registration or twice
   to indicate registration has failed.

7. Within 40 seconds:
   To program additional remotes repeat step 60 now on each additional
   remote you want programmed.
8. To exit programming mode open driver's door or insert key into ignition.

9. Step out of car with remote(s) in hand and test remote(s).

RKE PROGRAMMING



Use this method to PROGRAM THE REMOTE KEYLESS ENTRY

The RKE program separate from the transponder on TOYOTA Remote Head Keys.

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

Select:

+TOYOTA
+BY SYSTEM
+REMOTES
+TYPE 1 , 2, OR 3

Note: Use the Lexus Remote Type found on the Wireless Grid chart.



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

TOYOTA LEXUS
REMOTE

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
ACTUATORS
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU

> PROGRAM REMOTE
ERASE REMOTES

PROGRAM REMOTE

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

PRESS ENTER KEY

Note:
Follow the Screen prompts.

PROGRAM REMOTE

FOLLOW NEXT SCREENS
QUICKLY & CAREFULLY

COMPLETE OPERATION
WITHIN 30 Sec.
AFTER PRESSING ENTER

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 the Lock or Unlock button for 1 second. You must be fast on the button operation.

PROGRAM REMOTE

PROCEDURE COMPLETE

PRESS ENTER KEY

REPEAT THIS PROCEDURE FOR UP TO 4 REMOTES.

RKE PROGRAMMING

Use this method to ERASE REMOTE KEYLESS ENTRY

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

Select:

+TOYOTA
+BY SYSTEM
+REMOTES
+TYPE 2 or TYPE 4

Note: Use the Lexus Remote Type found on the Wireless Grid chart.



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

Note: Use the Lexus Remote Type found on the Wireless Grid chart.

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

TOYOTA LEXUS REMOTE

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
ACTUATORS
> SPECIAL FUNCTIONS

DIAGNOSTIC MENU

PROGRAM REMOTE
> ERASE REMOTES

ERASE REMOTES

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

PRESS ENTER KEY

Note:
Follow the Screen prompts.

ERASE REMOTES

FOLLOW NEXT SCREENS QUICKLY & CAREFULLY

COMPLETE OPERATION WITHIN 30 Sec. AFTER PRESSING ENTER

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 the Lock or Unlock button for 1 second. You must be fast on the button operation.

ERASE REMOTES

PROCEDURE COMPLETE

PRESS ENTER KEY

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

WHEN COMPLETED WITH THIS PROCEDURE ONLY THE 1 REMOTE USED IS PROGRAMMED.

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Fault Codes / Diagnostic Trouble Codes (DTC's

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. One example is shown below.

DISPLAY FAULT CODES

FAULT CODE: B2795
Unmatched 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

Known Fault Codes:

B1242
Wireless Door Lock Tuner Circuit Malfunction

B2780
Push Switch/Key Unlock Warning Switch Malfunction

B2784
Antenna Coil Open/Short

B2793
Transponder Chip Malfunction

B2794
Unmatched Encryption Code

B2795
Unmatched Key Code

B2796
No Communication in Immobiliser System

B2797
Communication Malfunction No.1

B2798
Communication Malfunction No.2

B2799
Engine Immobiliser System Malfunction

If a DTC keeps coming back after clearing and after cycling the IGNITION ON and then OFF this indicates the fault is a system malfunction that needs to be fixed.

PROX SYSTEMS
PROX 1 / PROX 2 / PROX 6 / PROX 7



SPECIAL FUNCTIONS

RESET IMMOBILIZER- This function erases all keys. This function is used when the customer has lost all their keys.

PROGRAM KEY- This function allows you to add a PROX to the car's immobilizer system. Must have an existing programmed PROX key to start the procedure with.

NOTE: Only brand new virgin Prox can be added. If the PROX is one that is compatable but previously used on another car it can (in most but not all cases) be added successfully. However, an IMMOBILIZER RESET must be performed first and the used PROX introduced as the 1st prox programmed.

ERASE KEYS- This function allows you to erase all PROX keys except the one used during the procedure. Cannot be used without a working/programmed PROX.

T-CODE SOFTWARE #	CABLE / DONGLE:
PROX 1 & 2 - ADS-150 PROX 6 - ADS-174 PROX 7 - ADS-227	ADC-250 / ADC- 251 A (BLACK) DONGLE
MAX # PROX KEYS:	**SMART DONGLE?**
4	YES
PROX KEYS:	**SECURITY:**
Re-usable. (SEE NOTE)	NO PIN CODE
	COMPONENTS MATCHED?
	YES
	MATCHING CAPABILITY?
	NONE

SECURITY LIGHT / THEFT INDICATOR:

Light should be out anytime a programmed PROX is in the vehicle.

MORE INFO:

DRIVERS DOOR- Must be kept open during entire RE-SET procedure.

VEHICLE VOLTAGE- It's critical for success that the voltage be 12 volts or above. Use jumper cables or a battery pack whenever possible to boost voltage even if you think it's not needed.
This will help avoid failure, especially during a 16 minute RESET.

PROX BATTERY- Its necessary to have a good bat-tery in ALL the PROX being used for these procedures. Replace it with a fresh one if there is any doubt.

HAVE ONLY 1 PROX AT TIME IN THE CAR WHEN PROGRAMMING- they can interfere with one another so keep them separate and only have one new one in the car during programming.

PROX CIRCUIT BOARDS MUST MATCH -
Some prox have the same part # and or FCC ID on the case but contain different circuit boards.
Open them up and compare when possible.

PROX SYSTEMS
PROX 1 / PROX 2 / PROX 6 / PROX 7

RESET IMMOBILIZER
Use this method IF YOU HAVE NO PROGRAMMED PROX

Select:

+TOYOTA
+BY SYSTEM
+PROXIMITY
+TYPE 1 , 2, 6, 7

Use the Key Look up guide for proper system selection.



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

LEAVE IGNITION OFF

PRESS ENTER KEY

ECU IDENTIFICATION

SMART KEY

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
ACTUATORS
> SPECIAL FUNCTIONS

WARNING:
OPEN THE DRIVERS DOOR & MAKE SURE IT STAYS OPEN UNTIL COMPLETED!

DIAGNOSTIC MENU

PROGRAM KEY
ERASE KEYS
> RESET Immobilizer
ID REG ENG START
ID REG SMART BOX

RESET Immobilizer

PLEASE ENSURE THAT THE DRIVER DOOR IS OPEN DURING THE PROCEDURE

PRESS ENTER KEY

RESET Immobilizer

GAINING ACCESS

TIME REQUIRED 16:00
TIME ELAPSED 0:28

BACK' TO EXIT

RESET Immobilizer

PROCEDURE COMPLETE

PRESS ENTER KEY

Now that the immobilizer has been RESET go to PROGRAM KEYS on the menu

DIAGNOSTIC MENU

> PROGRAM KEY
ERASE KEYS
RESET Immobilizer
ID REG ENG START
ID REG SMART BOX

PROGRAM KEYS

NUMBER OF KEYS
0 (4 MAX)

PRESS ENTER KEY

PROGRAM KEYS

TOUCH ENGINE SW
WITH EMBLEM SIDE
OF REGISTERED KEY

TIME 30
BACK' TO EXIT

Touch the Emblem side of the PROX Remote to the START Button on the dash. The Emblem side is the side without the buttons on it and has either the LEXUS or Lexus symbol on it.

Continued on next page >

PROX SYSTEMS
PROX 1 / PROX 2 / PROX 6 / PROX 7

RESET IMMOBILIZER
Use this method IF YOU HAVE NO PROGRAMMED PROX - CONT'D



If the Prox is not detected or if you get a beep from the car but get a "failed" message on the Pro:

1. Check that it's the correct part number. (Many look a like but are incompatible) Later models it may be necessary to open the case and look at the circuit board to identify if it's the correct part.
2. Check and or replace the battery inside the prox.
3. Check and or boost the car's battery voltage on the vehicle. (12 volts)

PROGRAM KEYS

PLEASE WAIT

BACK' TO EXIT

PROGRAM KEYS

PROCEDURE COMPLETE

NUMBER OF KEYS
1

PRESS ENTER KEY

PROGRAM KEYS

KEY DETECTED
REMOVE KEY

TIME 30
BACK' TO EXIT

PROGRAM KEYS

TOUCH ENGINE SW
WITH EMBLEM SIDE
OF REGISTERED KEY

TIME 28
PRESS ENTER TO CONT.

If you have more to program, touch the next one to the START Button, otherwise press ENTER on the tester to finish the procedure.

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PROX SYSTEMS
PROX 1 / PROX 2 / PROX 6 / PROX 7

ADD ADDITIONAL PROX - (PROGRAM KEY)
MUST HAVE AT LEAST 1 PROGRAMMED PROX - OTHERWISE MUST RESET

Select:

+LEXUS
+BY SYSTEM
+PROXIMITY
+TYPE 1 , 2, 6, OR 7

Use the Key Look up guide for proper system selection.



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

LEAVE IGNITION OFF

PRESS ENTER KEY

ECU IDENTIFICATION

SMART KEY

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
ACTUATORS
> SPECIAL FUNCTIONS

"USED PROX KEY WARNING"
Only BRAND NEW keys can be added successfully 100%.
If the prox is a used key (from another car) it can usually still be programmed but ONLY by first performing a RESET IMMOBILIZER and introducing the used key 1st, followed by ADDING any already programmed keys back in.

DIAGNOSTIC MENU

> PROGRAM KEY
ERASE KEYS
RESET Immobilizer
ID REG ENG START
ID REG SMART BOX

PROGRAM KEYS

NUMBER OF KEYS
2 (4 MAX)

PRESS ENTER KEY

PROGRAM KEYS

TOUCH ENGINE SW
WITH EMBLEM SIDE
OF REGISTERED KEY

TIME 30
BACK' TO EXIT



Touch the Emblem side of the PROX Remote to the START Button on the dash. The Emblem side is the side without the buttons on it and has either the LEXUS or Lexus symbol on it.
When you hold up the new key the car should give TWO BEEPS. If you only hear 1 then the key is not correct. May be the wrong part number or could be a previously used key thats locked.
Check the key if only getting 1 beep.

PROGRAM KEYS

TOUCH ENGINE SW
WITH EMBLEM SIDE
OF NEXT NEW KEY

TIME 30
BACK' TO EXIT

If you have more to program, touch the next one to the START Button, otherwise press ENTER on the tester to finish the procedure.

PROGRAM KEYS

PLEASE WAIT

BACK' TO EXIT

PROGRAM KEYS

PROCEDURE COMPLETE

NUMBER OF KEYS
3

PRESS ENTER KEY

Examples of different Types of PROX







Always check with the dealer for the exact part number of Prox to use on the vehicle you are working on.
These are just a few examples shown for 2007 models. For later years there are quite a few different part numbers some inter-changeable and some not!







Used Toyota/Lexus Proximity key warning!

Prox keys that are not BRAND NEW cannot be simply ADDED.
There is a work around trick that will usually allow you to program in an already used Prox.

1. Perform an Immobilizer reset introducing the used key first.
2. Once you have the used key programmed and working use PROGRAM PROX to add back in the original working Prox key(s).
MVP users take note: The above method may not always work 100%.
Brand new keys from a reputable dealer is what we recommend.
These program in 100% without issue.

Cross Interference:

It has been our experience that on occasion there can be cross signal interference when 2 or more Prox remotes are in the vehicle at the same time. During Programming keep only one Prox remote in the car at a time because of this.

Weak Prox Batteries:

Also, when using NEW Prox remotes if they get a failure it can be because the battery in the Prox is slightly weak from sitting around in the parts dept. and may not program in until the Prox battery is changed.

HOW TO FIND THE SYSTEM TYPE ON KEYED IMMOBILIZER TYPE 4 / TYPE 5 / TYPE 6 ON MODELS IN THE KEY LOOK UP LISTED AS "SPLIT YEAR"

BEFORE CUTTING ANY KEYS
Plug into the car and see which system communicates

2010 MODELS:

Some use the "G" transponder key and some don't. It is possible to have 2 identical cars side by side and one still on the older "4D Chip "DOT" key and one on the "G" key.
Even looking the vehicle up by the VIN can give you the wrong key.
If the customer already has a working key that has the letter "G" stamped on the blade, then "G" key will work fine. If not follow the steps below.

Before cutting the transponder key - insert a mechanical key in the ignition and turn to the On position. Go to "RESET Immobilizer" and see if you can communicate with "TYPE 4" - If you can communicate with the vehicle using Immobilizer TYPE 4 then, it is NOT a "G" key vehicle.

Toyota TYPE 4 systems never use "G" transponders keys.
Toyota TYPE 5 systems never use the older 4D chip "DOT" Keys they use "G" transponder keys.

Communicates with **TYPE 4** system

NOT "G" Key

Use 4D Key after market or factory 08020 / 60160

If ALL KEYS LOST:
Use TYPE 4 Quick Reset Immobilizer

Communicates with **TYPE 5** system

"G" Key

Use "G" key

If ALL KEYS LOST:
Use TYPE 5 Reset Immobilizer

2013-2014 MODELS:

Type 5 and 6 is a little harder but still possible. Determine what system will **RESET** the immobilizer.

One type (5 or 6) will "FAIL" but the other will go thru. The type that suceeds will determine if you need to cut a "G" Chip Key (TYPE 5) or an "H" Chip Key TYPE 6.

If you are using MVP this might cause you to use an extra token but will save you from cutting the wrong key!

RESET works with **TYPE 5** and FAILS with **TYPE 6**

USE "G" Key

RESET works with **TYPE 5** and FAILS with **TYPE 5**

USE "H" Key

TYPE 5 and TYPE 6 KEYED IMMOBILIZER



SPECIAL FUNCTIONS

RESET IMMOBILIZER- This function erase all keys and during the process programs 1 Master Key. This function is used when the customer has lost all their keys.

CAUTION: AT LEAST 1 MASTER TYPE CHIP MUST BE USED FOR TYPE5 OR TYPE 6 IMMOBILIZER RESET

PROGRAM KEY- This function allows you to add A MASTER OR VALET to the car's immobilizer system as long as you have an existing pre-programmed Master key to start with.

LEARN MASTER KEY- This function is hardly ever used or needed. It's only purpose is to LEARN a master key once the Immobilizer has been RESET but for some reason a Master Key was not learned. That would leave the Immobilizer in a RESET condition and would mean that trying to use RESET immobilizer again would FAIL. (Because the Immobilizer is already RESET. An example of this would be trying to use the wrong chip, the immobilizer would be RESET, but a key would not learn.
Do not use this function for any other reason.

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

MORE INFO:

How to tell if a programmed key is a MASTER or a VALET?

Valet key- when first inserted into the ignition lock, the Security Light will stay on for 2 seconds and then stay off.

Master key- when inserted into the ignition lock, the Security Light will not illuminate at all.

This test assumes that you have programmed keys! If not a cloner might be able to be used to determine the type of chip inside the keys.

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-150	ADC-250 / ADC- 251 A (BLACK) DONGLE
MAX # OF KEYS:	**SMART DONGLE?**
5 Master 3 Valet 8-Total	YES
KEYS:	**SECURITY:**
RE-USABLE.	NO PIN CODE 16 Minute Security wait / Bypass now available.
	COMPONENTS MATCHED?
	YES
	MATCHING CAPABILITY?
	N/A

SECURITY LIGHT / THEFT INDICATOR:

Observing the security light is critical to success when working on TOYOTA Immobilizer systems.

Factory "G" & "H" keys with grey plastic heads have a VALET type chip and cannot be used to perform a RESET or to introduce more keys into the system

Special note for 2010 FJ Cruiser:

Some 2010 FJ Cruiser's do not support an immobilizer reset.
On these affected vehicles the immo box must be replaced.

Affected vehicles where made BEFORE VIN #'s JTEZU4BF#AK010121 & JTEBU4BF#AK088229. these vehicles will FAIL on Immo Reset attempt using PRO or Dealer tools. This only effects FJ Cruiser and no other models.

TYPE 5 and TYPE 6
KEYED IMMOBILIZER

"HOW TO" TOYOTA VIDEOS TO WATCH -	
REMOTE HEAD KEY PROGRAMMING WITHOUT SD 	
TYPE 5 (G-CHIP) PROGRAMMED WITH SMART DONGLE (BYPASSING THE 16 MINUTE WAIT) 	
2015 HIGHLANDER REMOTE HEAD KEY PROGRAMMING - 	

TYPE 5 and TYPE 6 KEYED IMMOBILIZER

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

ONLY A MASTER CHIP CAN BE USED FOR RESET.
A VALET CHIP/KEY WILL NOT WORK!

Select:

+TOYOTA
+BY SYSTEM
+IMMOBILIZER
+TYPE 5 or 6 - See the Key Look Up to determine system to use.



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

TOYOTA KEY

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
ACTUATORS
> SPECIAL FUNCTIONS

PRESS ENTER KEY

WARNING:
OPEN THE DRIVERS DOOR & MAKE SURE IT STAYS OPEN UNTIL COMPLETED!

DIAGNOSTIC MENU

PROGRAM KEYS
ERASE KEYS
> RESET IMMOBILIZER

PRESS ENTER KEY

RESET Immobilizer

PLEASE INSURE THAT THE DRIVER DOOR IS OPEN DURING THE PROCEDURE

PRESS ENTER KEY

RESET Immobilizer

PLEASE WAIT

TIME REQUIRED 16:00
TIME ELAPSED 00:00
BACK TO EXIT

THE LATEST VERSIONS OF SOFTWARE BYPASS THE 16 MINUTE WAIT.

RESET Immobilizer

PROCEDURE COMPLETE

TURN IGNITION OFF
REMOVE KEY
INSERT KEY
SWITCH IGNITION ON

PRESS ENTER KEY

PROGRAM KEY

INSERT MASTER KEY
SWITCH IGNITION ON

PRESS ENTER KEY

PROGRAM KEY

PLEASE WAIT
45 Sec
TIME ELAPSED: 0

PROGRAM KEY

PROCEDURE COMPLETE

PRESS ENTER KEY

THE THEFT LIGHT SHOULD BE OFF & 1 MASTER KEY SHOULD BE PROGRAMMED.

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TYPE 5 and TYPE 6
KEYED IMMOBILIZER

ADD MASTER or VALET KEY
(Use this method if you have at least 1 Master Key)

WARNING: If you do not have an existing Master key, you must use the "Reset Immobilizer" procedure to Reset the Immobilizer. A Valet key will not work as a substitute for a Master Key.

Insert a Master key that is already registered into the vehicle. Turn the ignition lock to the "ON" position. The Security Light must be out when the key is in. Connect and follow screens.

Select:

+TOYOTA
+BY SYSTEM
+IMMOBILIZER
+TYPE 5 or 6 - See the Key Look Up to determine the correct system to use.



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

SWITCH IGNITION ON

PRESS ENTER KEY

ECU IDENTIFICATION

TOYOTA KEY

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
FAULT CODES
ACTUATORS
> SPECIAL FUNCTIONS

PRESS ENTER KEY

DIAGNOSTIC MENU

> PROGRAM KEYS
ERASE KEYS
RESET IMMOBILIZER

PRESS ENTER KEY

PROGRAM KEY

REMOVE KEY
INSERT KEY **(USING SAME KEY)**
SWITCH IGNITION ON
WITHIN 120 Sec
TIME ELAPSED: 0 S

PRESS ENTER KEY

READ THE TESTER SCREENS CAREFULLY!

PROGRAM KEY

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

PRESS ENTER KEY

PROGRAM KEY

INSERT **NEW** KEY
LEAVE IGNITION OFF
WITHIN 10 Sec
TIME ELAPSED: 0 S

PRESS ENTER KEY

VERY IMPORTANT:
Make sure to LEAVE IGNITION OFF here as instructed by the tester. If you turn the key on here you will get ERROR. This is a very easy mistake to make.
READ THE TESTER SCREENS CAREFULLY!

PROGRAM KEY

PLEASE WAIT
TRYING TO COMMUNICATE
TIME ELAPSED: 0 S

PRESS ENTER KEY

PROGRAM KEY

PROCEDURE COMPLETE

PRESS ENTER KEY

STAY CONNECTED & REPEAT THIS PROCESS IF YOU WANT TO PROGRAM MORE KEYS

PRIUS 2004-2009

All Prius 2004-2009 models have a Push Start Button on the dash.





The Proximity / Remote Fob "Learning Slot" is located on the right side of the driver's dash.



BASIC INFO

READ THIS FIRST!

CAUTION:
ORANGE DONGLE "M" ONLY!
OR
SET SD TO "M" WHEN SELECTING DONGLE

On NON-SMART ENTRY models the Prox must be inserted into the slot for the vehicle to be driven.

On SMART models it can be anywhere in the cabin to start the car.

The first thing you need to do is determine of the car has SMART ENTRY or NOT.

LOOK FOR RUBBER BUTTONS ON THE DOOR HANDLES



Smart Entry Proximity Prius models have a Rubber Push Button on the front door handles.

This makes it easy to tell by just looking at the car which FOB to use.

The different Fobs shown below are NOT Interchangeable.



Dealer Part# 89070-47180

Black logo FOB is for basic Prius models with NO Smart Entry Proximity

No rubber buttons on door



Dealer Part# 89994-47061

Silver logo FOB is for Smart Entry Proximity Prius models.

Has rubber buttons on door

Before programming SMART ENTRY models check the "lock out" switch beneath the dash marked KEY



Make sure the button is in the "Out" position (Not depressed).

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PRIUS 2004-2009
With SMART ENTRY





SILVER LOGO KEY

SPECIAL FUNCTIONS

Key Fobs on 04-09 Prius with Smart Entry each need a 2 STEP procedure to be fully funtional.

STEP 1- Program the transponder inside the Fob into the Immobilizer system. Once this is done the Fob will start the car but only when inserted in the slot.

STEP 2- Program the Fob's Smart Entry and RKE functions into the Smart Entry System. This enables the RKE buttons and allows the fob to start the engine from anywhere in the passenger compartment.

STEP 1 - IMMOBILIZER FUNCTIONS:

RESET TRANSPONDER- This erases all transponders and places the Immobilizer in "Auto Learn Mode".

REGISTER TRANSPONDER- This function allows you to add Fobs to the car's immobilizer system. You must have an existing programmed Fob to start the procedure with.

ERASE TRANSPONDER- This function allows you to erase all Fob keys from the IMMOBILIZER MODULE except the one used during the procedure.You must have an existing programmed Fob to start the procedure with.

STEP 2 - SMART ENTRY FUNCTIONS:

REGISTER SMART- This function programs the Smart Entry & RKE on additional Fobs. You must have at least one Fob where the smart functions are already programmed to start the procedure unless you have just RESET the SMART ECU.

ERASE SMART- This function clears all RKE & Smart Entry except the 1 FOB used for the procedure. You must have an existing programmed Fob to start the procedure with.

RESET SMART ECU- Use when all Fobs have been lost. 16 Minute procedure clears all current RKE & Smart Entry data from Smart Entry ECU.

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-150	ADC-250 / ADC- 251 DONGLE M (ORANGE) ONLY!
MAX # PROX KEYS:	**SMART DONGLE?**
4 Master 2 Valet 6-Total	YES - SET TO "M"
PROX KEYS:	**SECURITY:**
Re-usable. (SEE NOTE)	NO PIN CODE
	COMPONENTS MATCHED?
	YES
	MATCHING CAPABILITY?

SECURITY LIGHT / THEFT INDICATOR:



Located in the instrument cluster.

Each Key really has TWO PARTS that get programmed separately into TWO DIFFERENT modules on the car:

STEP # 1

PROGRAM THE TRANSPONDER PART OF THE KEY FOB



STEP #2

PROGRAM THE RKE / SMART ACCESS PART OF THE KEY FOB

STEP # 1 = TRANSPONDER PROGRAMMING- Immobilizer programming so that the TRANSPONDER inside each FOB starts the vehicle.
transponder inside the key / fob start the vehicle.

STEP # 2 = RKE / SMART ACCESS PROGRAMMING - Remote Keyless Entry & or Smart Entry so that the buttons on the FOB lock and unlock the vehicle and if it's a Smart Access model, the Fob will allow the car to start without inserting the fob in the slot.

PRIUS 2004-2009
With SMART ENTRY

WATCH VIDEO - PRIUS WITH SMART



PRIUS 2004-2009
TRANSPONDER ON ALL MODELS WITH AND WITHOUT SMART ENTRY

STEP # 1 RESET TRANSPONDER ECU
(Use this method if you have no programmed Fobs)

This is the STEP #1 procedure that deals only with the TRANSPONDER inside each key.

STEP #1 IS EXACTLY the same procedure on SMART ACCESS and NON SMART ACCESS equipped PRIUS Models. Always perform this procedure first.

Select:
+TOYOTA
+BY VEHICLE
+N. AMERICA
+PRIUS
+2004-2009
Depending on if the vehicle is SMART ACCESS equipped or not:
+No Smart Access
or
+Smart Access

WARNING!
Only connect to the OBD2 port with Orange Dongle "M" or IF USING SMART DONGLE SELECT DONGLE M



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

LEAVE IGNITION OFF

PRESS ENTER KEY

ECU IDENTIFICATION

KEYS ARE PROGRAMMED IN 2 SEPERATE PROCEDURES

#1 REGISTER TRANSPONDER

#2 REGISTER SMART / REMOTE

TRANSPONDER REGISTRATION NEEDS TO COMPLETED BEFORE SMART / REMOTE REGISTRATION

PRESS ENTER KEY

DIAGNOSTIC MENU

ECU IDENTIFICATION
> SPECIAL FUNCTIONS

PRESS ENTER KEY

DIAGNOSTIC MENU

REGISTER TRANSPONDER
ERASE TRANSPONDER
> RESET TRANSPONDER ECU
REGISTER SMART
ERASE SMART
RESET SMART ECU

PRESS ENTER KEY

RESET TRANSPONDER ECU

QUICK RESET ALLOWS YOU TO PROGRAM UP TO 2 KEYS
NORMAL RESET ALLOWS YOU TO PROGRAM UP TO 5 KEYS
USE QUICK RESET?

X ✔

QUICK RESET IMMO

INSERT KEY #1 INTO SLOT

PRESS ENTER KEY

QUICK RESET IMMO

LOOK FOR SOLID THEFT LIGHT

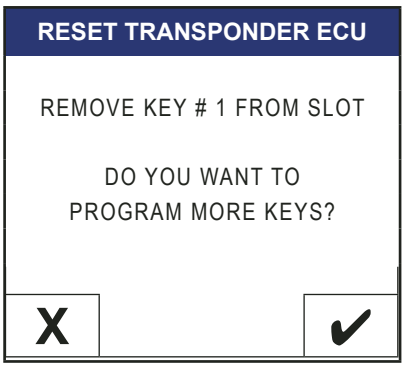
IF LIGHT IS SOLID RESET THEN RESET WAS SUCCESSFUL

PRESS ENTER KEY

PRIUS 2004-2009
MODELS WITH SMART ENTRY

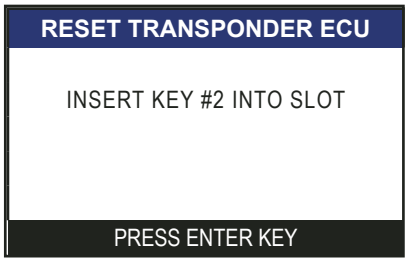
STEP # 1 RESET TRANSPONDER ECU
(Use this method if you have no programmed Fobs) - CONTINUED

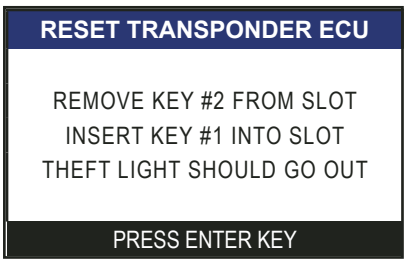


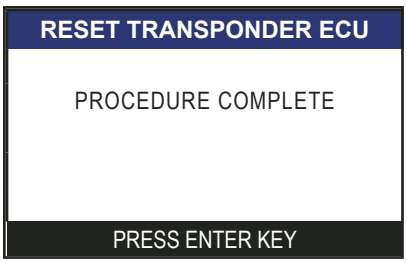


IF YOU ANSWER YES CONTINUE AND FOL-LOW THE STEPS BELOW WHICH WILL PROGRAM A 2ND TRANSPONDER.

IF YOU ANSWER NO THEN YOU CAN CLOSE THE LEARNING MODE WITH ONLY ONE KEY BY REMOVING THE KEY FROM THE SLOT THEN REPLACE IT BACK IN THE SLOT THEN WAIT 5 SECONDS & PRESS THE START / STOP BUTTON REPEATEDLY (10-15 TTIMES) UNTIL THE LIGHT THEFT LIGHT GOES OUT.







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PRIUS 2004-2009
MODELS WITH SMART ENTRY

STEP # 2 RESET SMART ECU
(Use this method if you have no programmed Fobs)

OK, SO NOW WE HAVE RESET AND REGISTERED THE TRANSPONDER ECU AND REGISTERED 1 OR TWO TRANSPONDERS IN STEP #1

NEXT LET'S GO TO STEP #2 WHICH DEALS WITH THE SMART ENTRY AND REMOTE FUNC-TIONS.

SELECT:
"RESET SMART ECU"

DIAGNOSTIC MENU

REGISTER TRANSPONDER
ERASE TRANSPONDER
RESET TRANSPONDER ECU
REGISTER SMART
ERASE SMART
> RESET SMART ECU

PRESS ENTER KEY

LEAVE ONE OF THE PROX FOBS IN THE SLOT

RESET SMART ECU

PLEASE ENSURE THAT THE DRIVERS DOOR IS OPEN DURING THE PROCEDURE

PRESS ENTER KEY

RESET SMART ECU

PLEASE WAIT
TIME REQUIRED 16 MIN

THIS SCREEN WILL DISPLAY.

IT IS SUPER IMPORTANT TO MAKE SURE THE DRIVERS DOOR DOES NOT CLOSE DURING THE WAIT.

ONCE THE TIME ELAPSES THE SCREEN WILL CHANGE TO PROCEDURE COMPLETE

RESET SMART ECU

PROCEDURE COMPLETE

PRESS ENTER KEY

NOW SELECT:
REGISTER SMART

DIAGNOSTIC MENU

REGISTER TRANSPONDER
ERASE TRANSPONDER
RESET TRANSPONDER ECU
> REGISTER SMART
ERASE SMART
RESET SMART ECU

PRESS ENTER KEY

REGISTER SMART

DO YOU HAVE REGISTERED SMART KEY?

X ✔

WE DON'T YET SO SELECT THE X TO SAY "NO"

REGISTER SMART

HAVE YOU RESET SMART ECU?

X ✔

YES, WE DID THAT ALREADY SO SELECT THE CHECK MARK TO SAY "YES"

REGISTER SMART

INSERT KEY WITH REGISTERED TRANSPONDER IN SLOT

OPEN DRIVERS DOOR
SWITCH IGNITION ON

PRESS ENTER KEY

PRIUS 2004-2009
MODELS WITH SMART ENTRY

STEP # 2 RESET SMART ECU - CONTINUED
(Use this method if you have no programmed Fobs)

REGISTER SMART

FOLLOW THE NEXT SCREENS
QUICKLY AND CAREFULLY

COMPLETE OPERATION
WITHIN 30 SECONDS
AFTER PRESSING ENTER

PRESS ENTER KEY

REGISTER SMART

SWITCH IGNITION OFF

REMOVE KEY FROM SLOT

PRESS ENTER KEY

REGISTER SMART

PRESS AND RELEASE LOCK
AND UNLOCK BUTTONS
ON UN-REGISTERED KEY
FOR 2 SECONDS
RELEASE BOTH BUTTONS
PRESS & HOLD LOCK BUTTON
ON UN-REGISTERED
SMART UNTIL THE CAR BEEPS

PRESS ENTER KEY

RESET SMART ECU

PROCEDURE COMPLETE

PRESS ENTER KEY

IF THE CAR DOES NOT BEEP, REPEAT THE REGISTER SMART PROCEDURE UNTIL SUCCESSFUL!

OK, NOW WE HAVE 1 SMART KEY REGISTERED. IF YOU WANT TO DO ANOTHER SELECT "REGISTER SMART"

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PRIUS 2004-2009
MODELS WITH SMART ENTRY

REGISTER SMART
(Use this method if you have 1 programmed Fobs & want to add more)

TO PERFORM REIGSTER SMART YOU MUST HAVE AT LEAST ONE KEY WHERE THE SMART AND TRANSPONDER PORTION OF THE KEY ARE REGISTERED.

DIAGNOSTIC MENU

REGISTER TRANSPONDER
ERASE TRANSPONDER
RESET TRANSPONDER ECU
> REGISTER SMART
ERASE SMART
RESET SMART ECU

PRESS ENTER KEY

REGISTER SMART

DO YOU HAVE REGISTERED SMART KEY?

X ✔

SINCE WE HAVE AT LEAST ONE ALREADY REGISTERED SMART WE SHOULD ANSWER "YES" HERE

REGISTER SMART

INSERT KEY WITH REGISTERED TRANSPONDER IN SLOT

OPEN DRIVERS DOOR
SWITCH IGNITION ON

PRESS ENTER KEY

REGISTER SMART

FOLLOW THE NEXT SCREENS QUICKLY AND CAREFULLY

COMPLETE OPERATION WITHIN 30 SECONDS AFTER PRESSING ENTER

PRESS ENTER KEY

REGISTER SMART

SWITCH IGNITION OFF

REMOVE KEY FROM SLOT

PRESS ENTER KEY

REGISTER SMART

PRESS LOCK ON REGISTERED SMART KEY

PRESS ENTER KEY

REGISTER SMART

PRESS AND RELEASE LOCK AND UNLOCK BUTTONS ON UN-REGISTERED KEY FOR 2 SECONDS
RELEASE BOTH BUTTONS
PRESS & HOLD LOCK BUTTON ON UN-REGISTERED SMART UNTIL THE CAR BEEPS

PRESS ENTER KEY

RESET SMART ECU

PROCEDURE COMPLETE

PRESS ENTER KEY

IF THE CAR DOES NOT BEEP, REPEAT THE REGISTER SMART PROCEDURE UNTIL SUCCESSFUL!

AT THIS POINT SINCE WE HAVE REGISTERED THE TRANSPONDER & THE SMART PORTION OF THE KEY WE ARE ALL FINISHED.

PRIUS 2004-2009 BASIC MODELS (NO SMART ENTRY)





BLACK LOGO KEY

SPECIAL FUNCTIONS

Key Fobs on 04-09 Prius with Smart Entry each need a 2 STEP procedure to be fully functional.

STEP 1- Program the transponder inside the Fob into the Immobilizer system. Once this is done the Fob will start the car but only when inserted in the slot. Vehicles without SMART ENTRY need the Fob inserted in the slot to start the vehicle.

STEP 2- Program the Fob's RKE functions.

STEP 1 - IMMOBILIZER FUNCTIONS:

RESET TRANSPONDER- This erases all transponders and places the Immobilizer in "Auto Learn Mode".

REGISTER TRANSPONDER- This function allows you to add Fobs to the car's immobilizer system. You must have an existing programmed Fob to start the procedure with.

ERASE TRANSPONDER- This function allows you to erase all Fob keys from the IMMOBILIZER MODULE except the one used during the procedure. You must have an existing programmed Fob to start the procedure with.

STEP 2 - REMOTE FUNCTIONS:

PROGRAM REMOTE- This function programs RKE
Buttons on NON-SMART ACCESS KEYS.

You do not need to have an existing programmed Fob to start the procedure with.

UNLIKE MODELS WITH SMART ACCESS IT IS NOT NECESSARY TO RESET THE RKE ECU.
Simply program remotes.
Select "NO SMART" off the 2004-2009 PRIUS menu.

ERASE REMOTE- This function clears all RKE except the 1 FOB used for the procedure. You do not need to have an existing programmed Fob to start the procedure with.

T-CODE SOFTWARE #	CABLE / DONGLE:
ADS-150	ADC-250 / ADC- 251 DONGLE M (ORANGE) ONLY!
MAX # PROX KEYS:	**SMART DONGLE?**
4 Master 2 Valet 6-Total	YES - SET TO "M"
PROX KEYS:	**SECURITY:**
Re-usable. (SEE NOTE)	NO PIN CODE
	COMPONENTS MATCHED?
	YES
	MATCHING CAPABILITY?

SECURITY LIGHT / THEFT INDICATOR:



Located in the instrument cluster.

Each Key really has TWO PARTS that get programmed separately into TWO DIFFERENT modules on the car:

STEP # 1

PROGRAM THE TRANSPONDER PART OF THE KEY FOB



STEP #2

PROGRAM THE RKE / SMART ACCESS PART OF THE KEY FOB

STEP # 1 = TRANSPONDER PROGRAMMING- Immobilizer programming so that the TRANSPONDER inside each FOB starts the vehicle.
Transponder inside the key / fob start the vehicle.

STEP # 2 = RKE / SMART ACCESS PROGRAMMING - Remote Keyless Entry & or Smart Entry so that the buttons on the FOB lock and unlock the vehicle and if it's a Smart Access model, the Fob will allow the car to start without inserting the fob in the slot.

PRIUS 2004-2009
STEP 2 - Alternative for
MODELS WITH SMART ENTRY

ON-BOARD PROGRAMMING ALTERNATIVE
(Programs the Prox and RKE functions)

ON-BOARD PROGRAMMING PROCEDURE FOR 2004-2009 PRIUS WITH SMART ENTRY *(Programs the Prox and RKE functions)*	
STEPS	**Carefully perform these actions: (if you mess up, start over!)**
1	Close all the doors except the drivers door, that remains open.
2	Insert the Prox in and out of the programming slot on the dash twice.
3	Close & open drivers door twice, then open it & leave it open.
4	Insert the Prox in slot once and take it out of the slot.
5	Close then open the drivers door twice, then open it & leave it open.
6	Insert the Prox in the slot & leave it in.
7	Close the drivers door.
8	Press the start stop button to turn the ignition to “ON”. Then turn it OFF.
9	Take the Prox out of the slot and the door locks should cycle.
10	Press the lock & unlock buttons together on the Prox for 1 second. Then press the lock button for 3 seconds.
11	The locks should cycle.
12	Open & close the drivers door then open it again. This should exit the learning mode. Test the key.

Included here as a courtesy,
Not supported by Tech Support.

PRIUS 2004-2009
FOR ALL MODELS (BASIC & SMART ENTRY)

Common Problems with Programming Fobs into Prius models:

• *Used or worn out Fob -*

⇨ Check the status of the Fob trying to be programmed. • Is it new? • Was it from another car? • Has it stopped working and now the customer wants it programmed again? • There is a battery in it that might need replacing. • Some just wear out and must be replaced with a new one. Brand new remote's will always program, unless of course, there is something actually wrong with the car.

• *Either one of the 2 steps did not complete successfully.*

⇨ Have you checked to see whether the fobs were programmed into the immobilizer system. The Security Theft is out when there is a Fob in the Learning Slot? It may be necessary to close the immobilizer cycle manually. Put a already programmed Fob in the Learning Slot and press the Start button 5 times ON and Off. This should close the cycle manually. • Remember the car can hold only 4 Fobs into memory, it may be necessary to erase if you are trying to only Add a Fob into memory.

• *The Smart Access Fobs have programmed successfully but the car does unlock when I try from the outside.*

⇨ The "Lock Out" switch (under the steering column) has been depressed and is in Lock Out mode.

• *The Smart Access Fobs have programmed successfully but the car will not Start unless I insert the Fob into the Learning Slot.*

⇨ Check the "Lock Out" switch (under the steering column) and see if it has been depressed and is in Lock Out mode. Next, does the car actually have Smart Access? If there are no Rubber Push Buttons on the front outside door handles - there is no Smart Access on this car. Therefore there is no Proximity system, just a simple wireless system to lock and unlock the doors. You must insert the Fob into the Learning Slot to Start and drive the car.

• *The ABS & VSC light stays on or Flashes and the car will not move.*

⇨ Follow the procedure to reset the ABS dash lights.
This is triggered when not using the correct dongle!
Programming using the M dongle will NOT cause this problem.

PRIUS 2004-2009
FOR ALL MODELS (BASIC & SMART ENTRY)

Resetting the ABS Dash Lights
Use this method only if you have no connected with the wrong dongle

ABS & VSC lights are triggered when not using the correct dongle while the Pro is connected to the car.



WARNING!
Only connect to the OBD2 port with Orange Dongle "M" or SD set to Dongle M.

Select:

+TOYOTA
+BY SYSTEM
+ABS / VCS



REQUIRES SMART CARD CALCULATOR OR WEB APP

OR



USE THE SMART DONGLE FOR EASY ACCESS USING BUILT IN SMART CARD CALCULATOR

The car must remain in the Off position.
Do not press the Start button.

DIAGNOSTIC MENU

ECU IDENTIFICATION
> SPECIAL FUNCTIONS

Do not press the brake pedal during this procedure.

DIAGNOSTIC MENU

> RESET ABS VSC LIGHT

RESET ABS VSC LIGHT

ABS AND VSC LIGHTS
WILL FLASH

RESET ABS VSC LIGHT

PLEASE WAIT
THIS WILL
TAKE 3 MINUTES
DO NOT TOUCH BRAKE
XX m XXs

RESET ABS VSC LIGHT

PROCEDURE COMPLETE
ABS AND VSC LIGHTS
SHOULD NOT BE
FLASHING

RESET ABS VSC LIGHT

DISCONNECT TESTER