

Kia

Reprogramming User Guide

Version 1.0

May 2011

Foreword

This document describes DG Technologies VSI-2534, a SAE J2534 Pass-Thru device, with its primary purpose to program automotive ECUs (Electronic Control Units). It provides module programming for development, end-of-line testing and re-programming. This document shows the general procedures for purchasing, installing and using the OEM programming application with the VSI-2534 Pass-Thru device. Because the procedures are generic in nature, this may not capture every screen or every scenario for each and every vehicle. For any screen, read the directions on the screen and proceed as indicated. Programming is vehicle specific and directions may vary. All documentation is subject to change at any time. Any and all OEM documentation should be read in its entirety along with the vehicle Service Manual prior to programming.

The VSI-2534 is also useful for vehicle diagnostics, development, general design, hardware in-the-loop simulation and anywhere communications with a vehicle network are required.

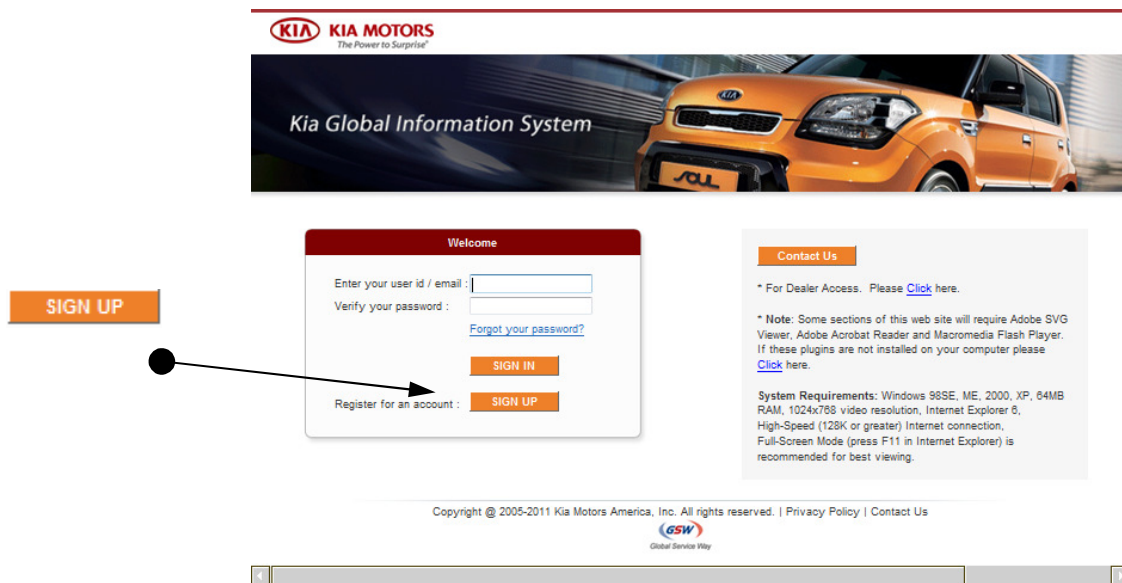
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Registration & Installation (pg. 2-7)



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Kia Global Information System

Welcome

Enter your user id / email :

Verify your password :

[Forgot your password?](#)

SIGN IN

Register for an account : **SIGN UP**

Contact Us

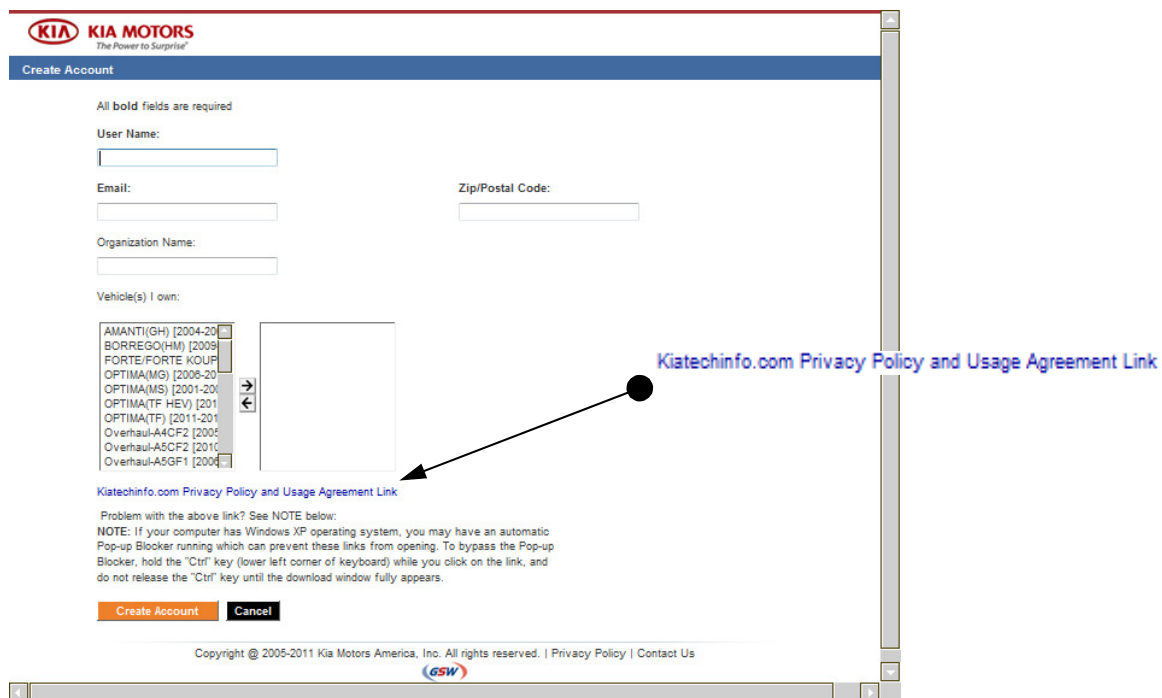
* For Dealer Access. Please [Click](#) here.

* Note: Some sections of this web site will require Adobe SVG Viewer, Adobe Acrobat Reader and Macromedia Flash Player. If these plugins are not installed on your computer please [Click](#) here.

System Requirements: Windows 98SE, ME, 2000, XP, 64MB RAM, 1024x768 video resolution, Internet Explorer 6, High-Speed (128K or greater) internet connection, Full-Screen Mode (press F11 in Internet Explorer) is recommended for best viewing.

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Create Account

All bold fields are required

User Name:

Email:

Zip/Postal Code:

Organization Name:

Vehicle(s) I own:

AMANTI(GH) [2004-2005]
BORREGO(HM) [2009]
FORTE/FORTE KOUP
OPTIMA(MS) [2009-2010]
OPTIMA(MS) [2001-2002]
OPTIMA(TF HEV) [2011-2012]
OPTIMA(TF) [2011-2012]
Overhaul-A4CF2 [2009]
Overhaul-A5CF2 [2010]
Overhaul-A5GF1 [2008]

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Problem with the above link? See NOTE below:
NOTE: If your computer has Windows XP operating system, you may have an automatic Pop-up Blocker running which can prevent these links from opening. To bypass the Pop-up Blocker, hold the "Ctrl" key (lower left corner of keyboard) while you click on the link, and do not release the "Ctrl" key until the download window fully appears.

Create Account **Cancel**

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- Read through Agreement, click on the “check box” and click on “Close”.

- Fill out required information and then click on “Create Account”.

- Click on “Back to login page”. **Note:** a separate email will be sent with the username and password.

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GSW
Global Service Way

- Enter “user id/email” and “password” (from email sent) and click on “SIGN IN”.

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Kia Global Information System

Diagnostic Tools

Home | Site Requirements | [Link Page](#) | LogOut

User Information

Welcome! [LogOut](#)

[Service Info \(SI\)](#)

[Maint Schedule](#)

[Owners Manual](#)

[Locksmiths](#)

Service Materials

Publication

Diagnostic Tools

Tools & Equipment

Technical Service Bulletin

- 3/18/2011 [OPTIMA(TF)] Service Action: ECM Upgrade - MIL On With DTC P2237 (SA.. [New!](#))
- 3/14/2011 [FORTE/FO...] Drift / Pull Diagnosis And Best Practices Tips (CHA 032..)
- 3/7/2011 [BORREGO(...)] ZF ATM Mechatronic Replacement (TRA 035r1)
- 2/16/2011 [SORENTO(...)] 2011 Sorento 3.5L Alternator Replacement Combined TSB /..
- 2/16/2011 [SPORTAGE...] Service Action: ECM Upgrade - MIL on with DTC P0300 - P..

Campaign

- 1/19/2011 [SPORTAGE...] Service Campaign: ECM Upgrade for Fuel Adaptation Impro..
- 11/30/2010 [SPORTAGE...] 2011MY Sportage LX Driver's Side Power Window Switch As..
- 11/24/2010 [SORENTO(...)] 2011 Sorento (XM) Inspection and Possible Replacement o..
- 10/27/2010 [SORENTO(...)] Service Campaign: Intermediate Shaft Noise (SC 062) Rev..
- 10/20/2010 [SORENTO(...)] Service Campaign: 2011MY Sorento Passenger Seat U-Brack..

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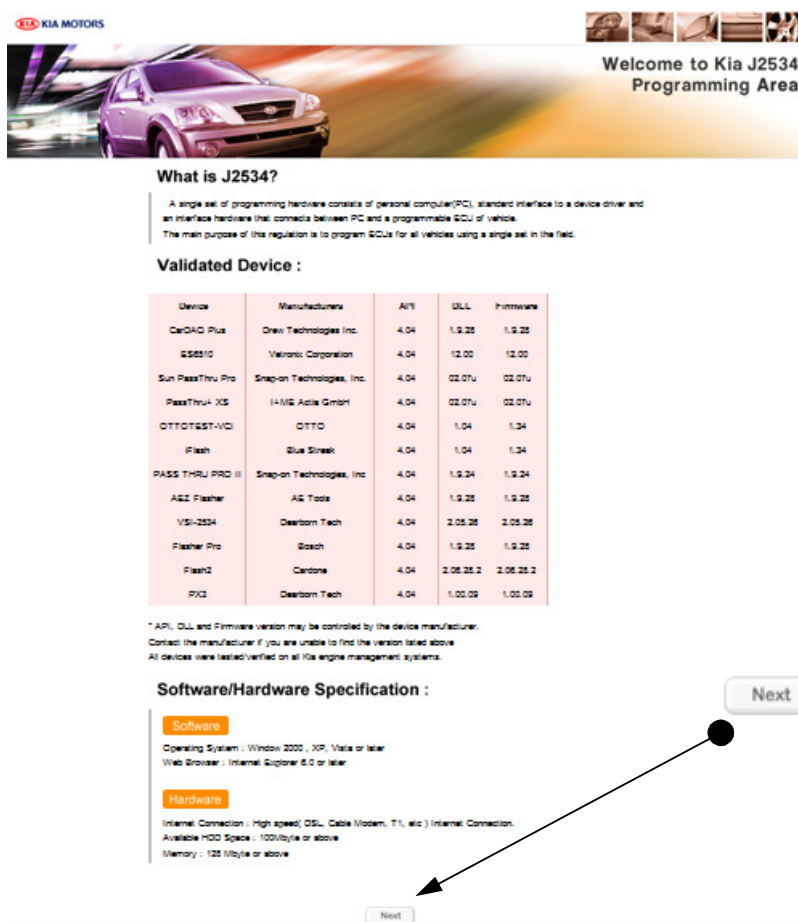
GSW
Global Service Way

- Hover the mouse over “Diagnostic Tools” ...

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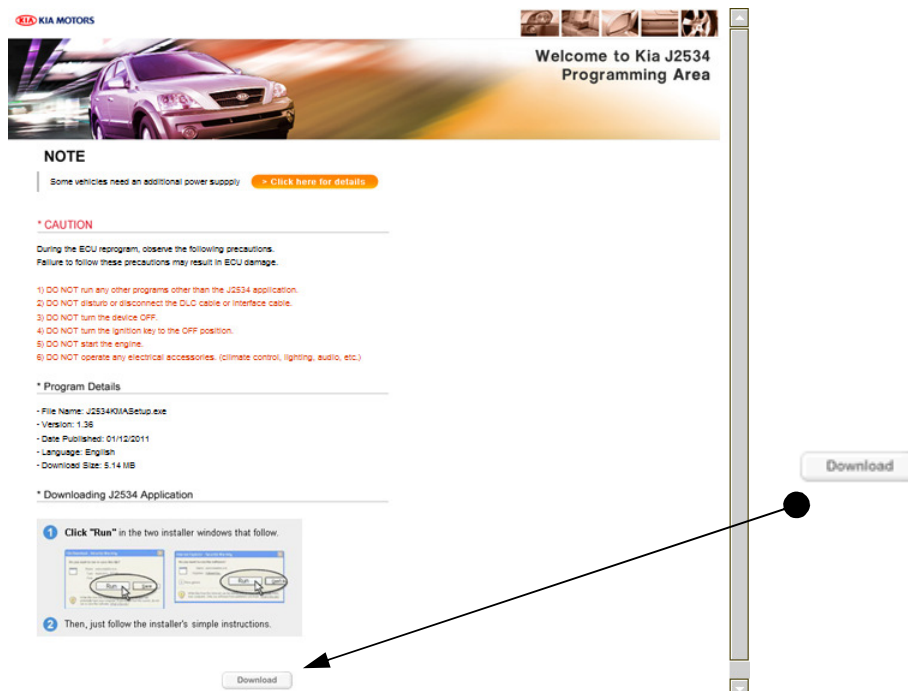


- ...then, click on “J2534 Programming”.

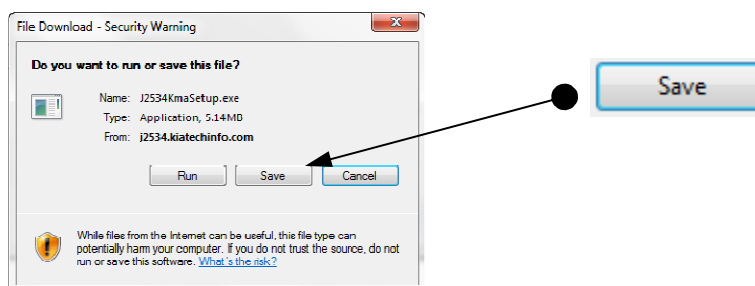


- Scroll to bottom of page and click on “Next”.

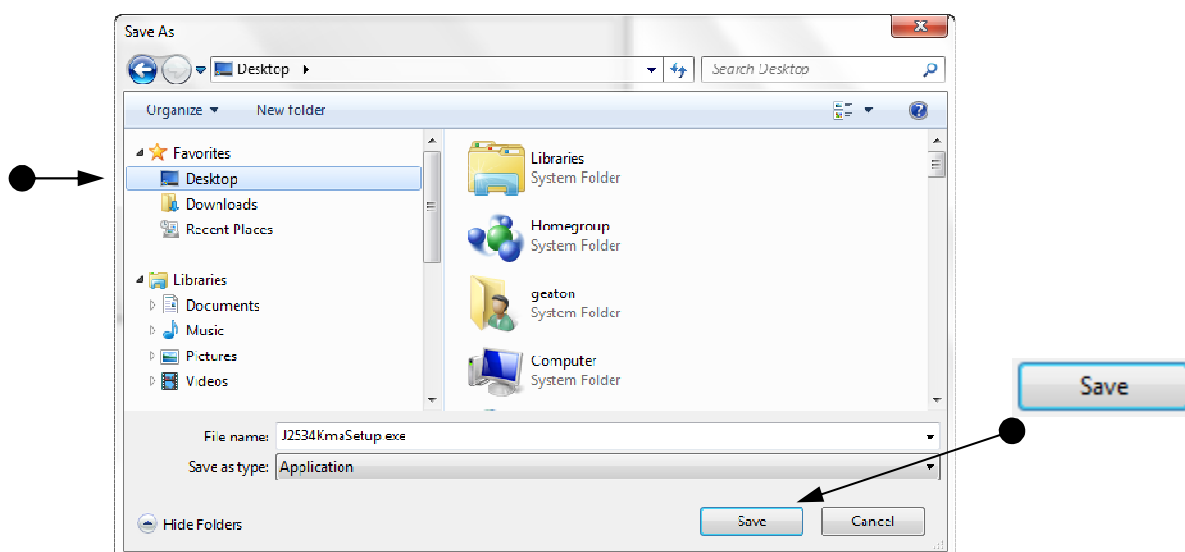
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- Scroll to bottom of page and click on “Download”.

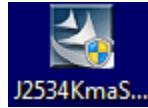


- Click on “Save”.

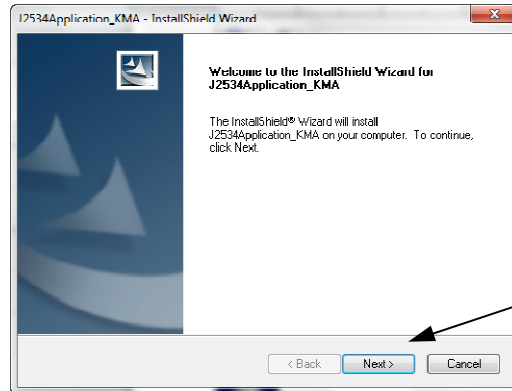


- It is recommended to save the file to the desktop. Click “Save”.

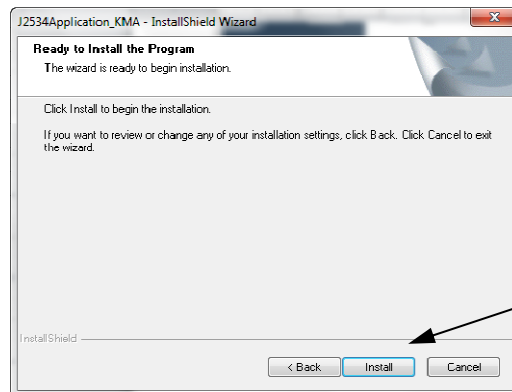
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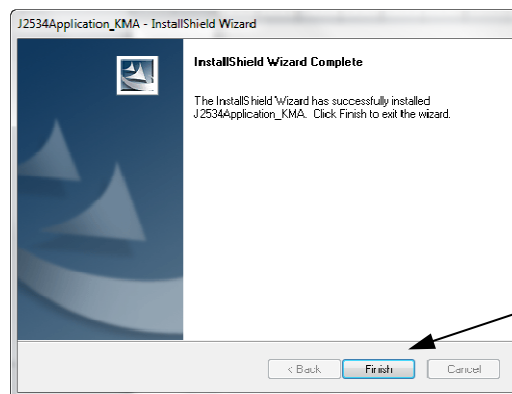
- Locate icon on Desktop and double-click on it.



- Click on "Next".



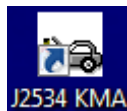
- Click on "Install".



- Click on "Finish".

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Reprogramming (pg. 8-11)



- Locate icon on Desktop and double-click on it.



NOTE

Some vehicles need an additional power supply [> Click here for details](#)

*** CAUTION**

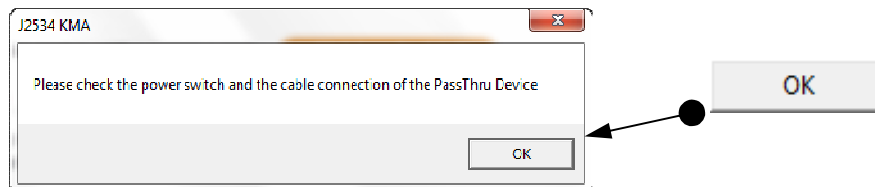
During the ECU reprogram, observe the following precautions.
Failure to follow these precautions may result in ECU damage.

- 1) DO NOT run any other programs other than the J2534 application.
- 2) DO NOT disturb or disconnect the DLC cable or interface cable.
- 3) DO NOT turn the device OFF.
- 4) DO NOT turn the ignition key to the OFF position.
- 5) DO NOT start the engine.
- 6) DO NOT operate any electrical accessories. (climate control, lighting, audio, etc.)
- 7) Click [OK] button to continue (Click [Cancel] button to exit) .

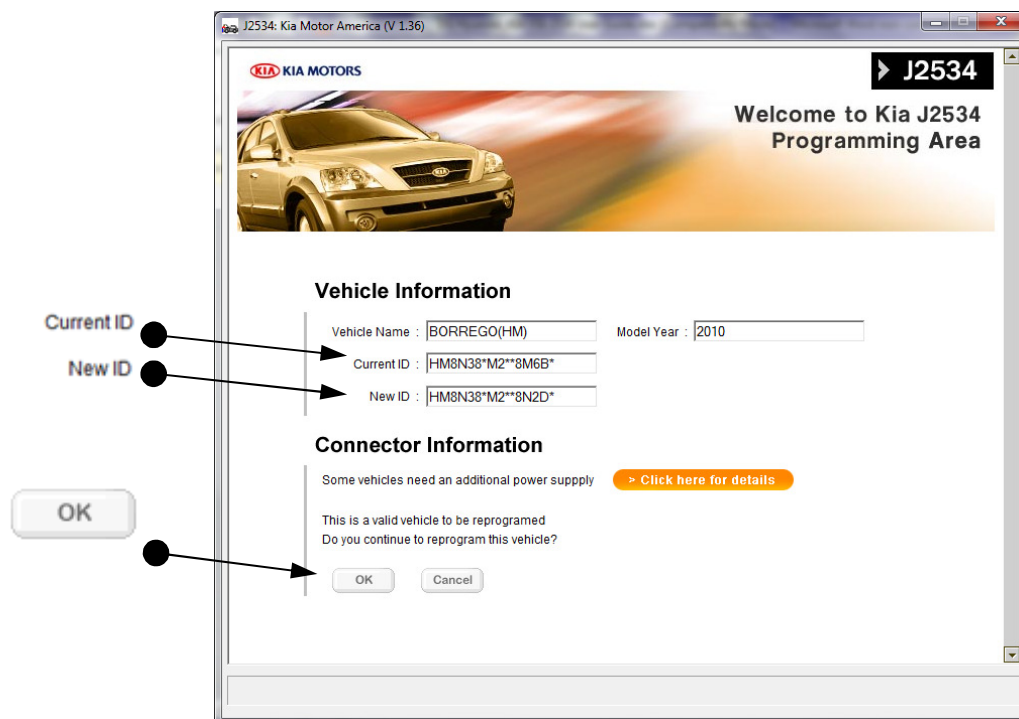
OK

See "Note" below.

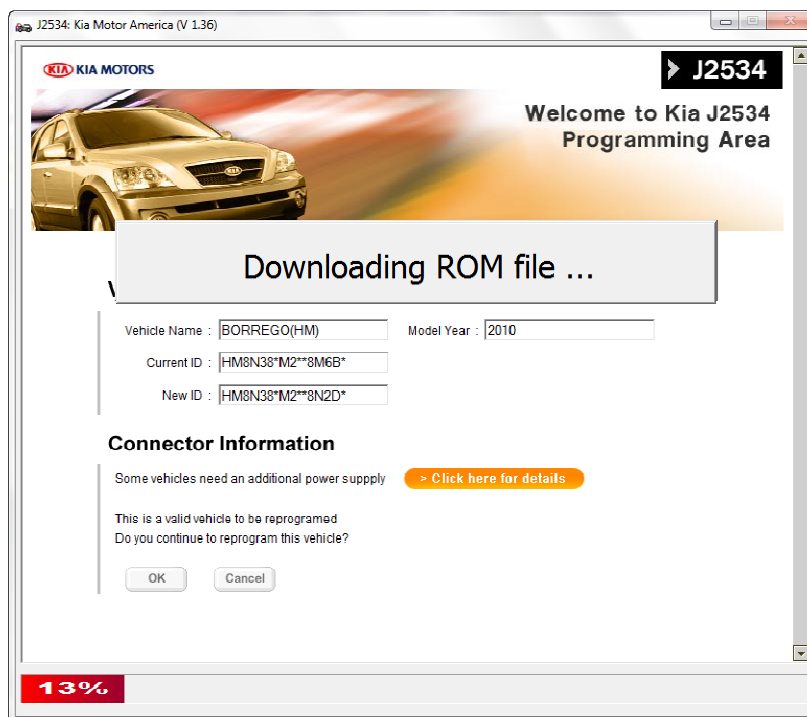
- Read screen carefully and take appropriate action. Note: There are select vehicles that do not have a traditional J1962 connection. Information is provided on this link showing instruction for manual pin connections from the J1962 connector cable provided with the tool to the respective connector on the vehicle. Ensure these connections are secure.



- Be sure VSI-2534 device is securely connected to the vehicle and PC, the ignition switch is "On" and then click "OK".

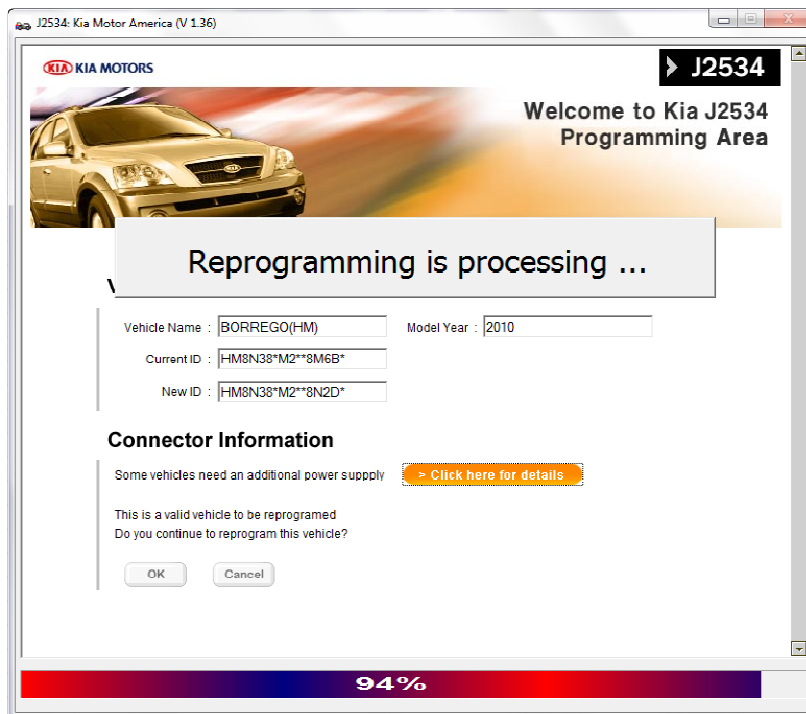


- Vehicle has been identified and information shows a “New ID” is available. Click on “OK” to being the Reprogramming process.

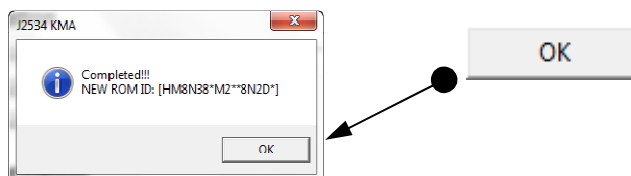


- Downloading ROM file...wait...

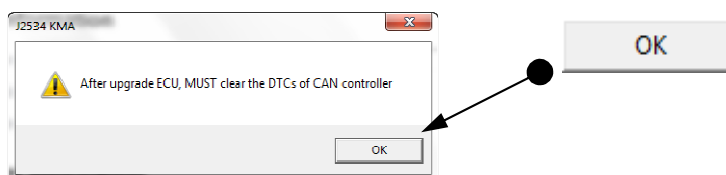
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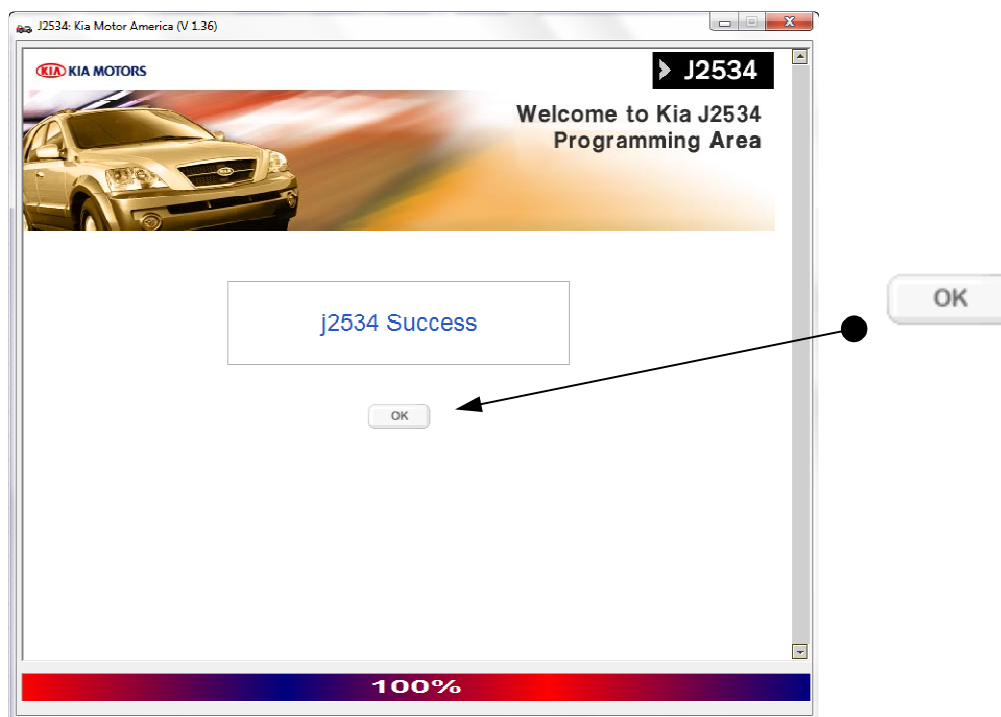
- Reprogramming...wait....



- Programming is complete. New Calibration file shown. Click on "OK" to continue.



- DTC's must be cleared. Click on "OK" to continue.



- Success! Click on "OK" to close out of the programming process.