

VOLUNTARY CAMPAIGN BULLETIN

AA3A0 EGR VALVE REPROGRAMMING

Subject:	P14BF EGR Valve Reprogramming
Date:	10-11-2016
Bulletin No.:	SCB-001-16
Recall No.:	AA3A0
Affected Models:	15MY-16MY Conventional Trucks equipped with a J08 engine

IMPORTANT:

Verify the vehicle requires the work to be performed by referencing the vehicle by VIN within the Hino Warranty System (DCS).

OVERVIEW:

A subject vehicle may exhibit an illuminated check engine lamp with DTC (Diagnostic Trouble Code) P14BF – EGR (Exhaust Gas Recirculation) Valve Controller Temperature Sensor 1, 2 Rationality. The EGR valve may falsely detect this rationality fault, causing the P14BF DTC to be set and stored in the engine ECU. Enhanced EGR valve software is available to prevent this false detection.

SUBJECT VEHICLES:

15MY-16MY Hino Conventional trucks (238, 258, 268, or 338) equipped with a J08 engine.



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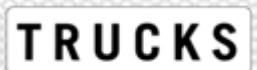
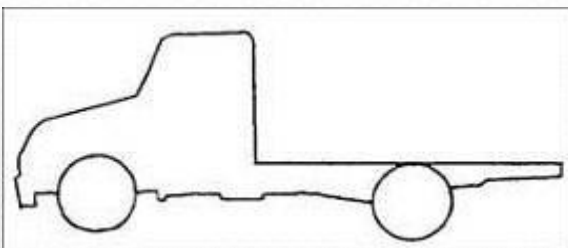
BEFORE YOU BEGIN

- Read and understand all instructions and procedures before you begin the work.
- Read and follow all WARNINGS and NOTICES set forth in this publication. These alerts help to avoid damage to components, serious personal injury, or both.
- Park the vehicle on a flat, level and solid surface.
- Turn off the engine and remove the key from the ignition switch.
- Place the gear shift lever in "Neutral" or "Park".
- Apply the parking brake firmly and confirm parking brake activation.
- Always wear safety glasses or goggles to protect your eyes.
- Place wheel chocks in front of and behind all the wheels to prevent the vehicle from moving.

NOTICE: This reprogramming can be performed only ONCE. Faults that occur during reprogramming due to loss of connection or power supply to the EGR valve or computer will require replacement of the EGR valve.

VEHICLE PREPARATION

1. Park the vehicle on a level and solid surface.



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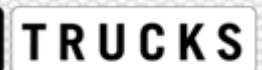
2. Confirm the engine is stopped, the starter switch is in the off (LOCK) position, and the key is removed.



3. Apply the parking brake.



4. Chock all of the wheels.



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TOOL PREPARATION

NOTE: A one time driver install is needed prior to reprogramming.

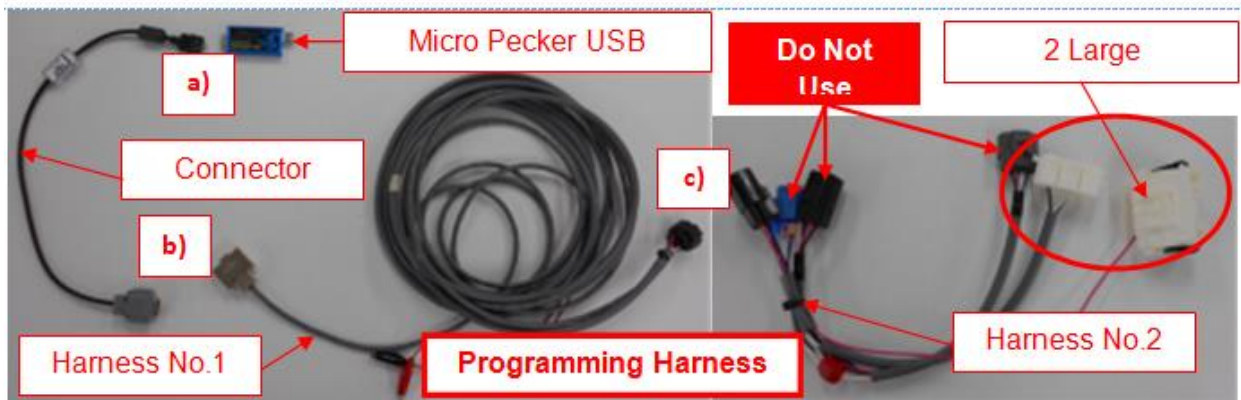
1. A reprogramming harness and EGR USB Interface were provided to each dealer. Connect and/or confirm that the programming harnesses are correctly connected together, as shown in the photograph below.

“EGR USB Interface” to “Connector Cable”

“Connector Cable” to “Harness No.1”

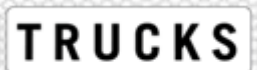
“Harness No.1” to “Harness No.2”

NOTICE: The two large connectors of harness No.2 will be used to connect to the vehicle junction box during this reprogramming procedure.



2. In addition, two other items were provided to each dealer to support the EGR valve software reprogramming. Locate the following tools within your dealer location.

- CD containing the EGR reprogramming software program and software file.
- Power Supply (12v, 1amp)



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NOTICE: Disable the computer features listed below. Failure to disable these features may severely damage the EGR valve.

- 1) Screen saver
- 2) Energy saving features
 - a. Monitor
 - b. Hard disks
 - c. System standby

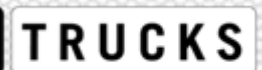


PROGRAMMING SOFTWARE INSTALLATION

- For a computer with Windows 7 or Windows XP only use **Appendix A** at the end of the procedure.



- For a computer with Windows 8.1 or Windows 10 only use **Appendix B** at the end of the procedure.



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REPAIR PROCEDURE

1. Remove the cover from the interior fuse panel on the passenger side of the vehicle. Remove fuses “ENG ECU MAIN 1” and “ENG ECU MAIN 2”.

NOTICE: The ignition key must remain **OFF** for the duration of this procedure.

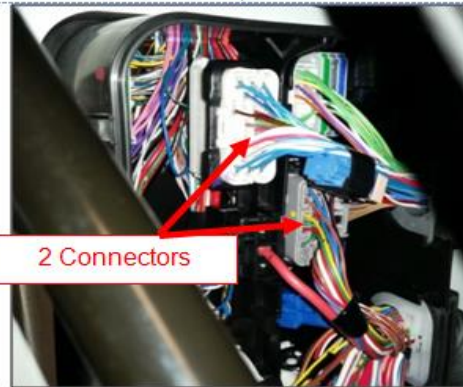
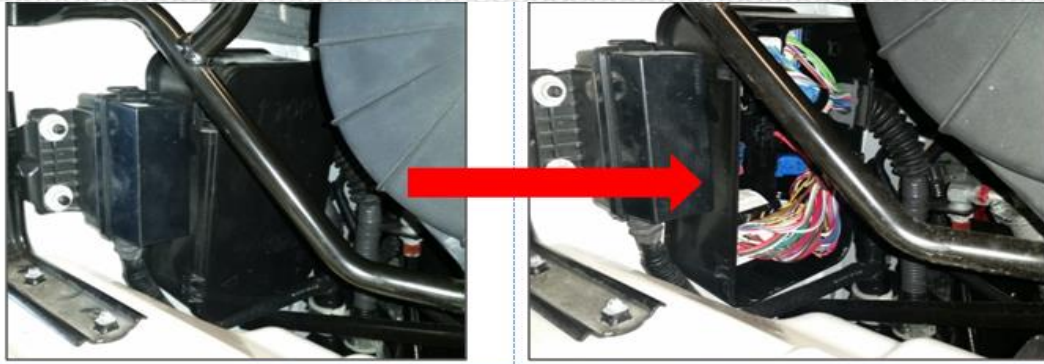


TRUCKS

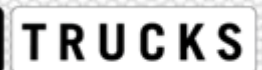
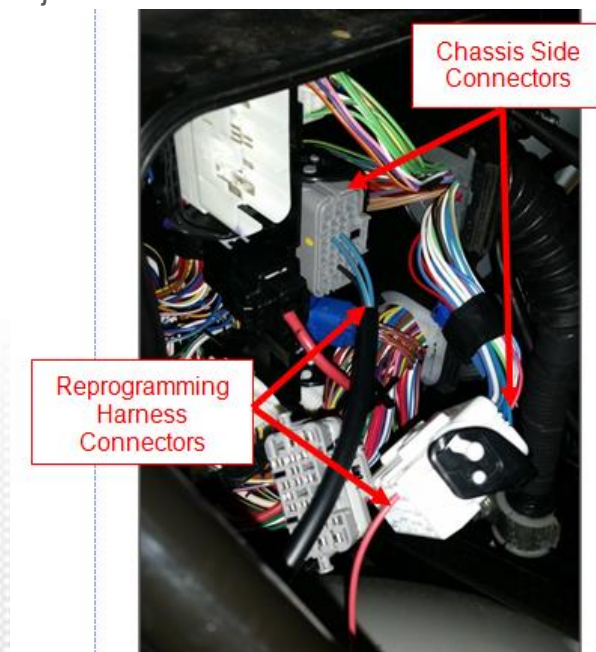
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2. Working from under the hood, remove the cover from the engine bay bulkhead junction box. Disconnect the two highlighted connectors shown below.



3. Connect the two connectors from the reprogramming harness to the chassis side of the vehicle harness in the junction box.



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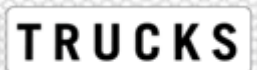
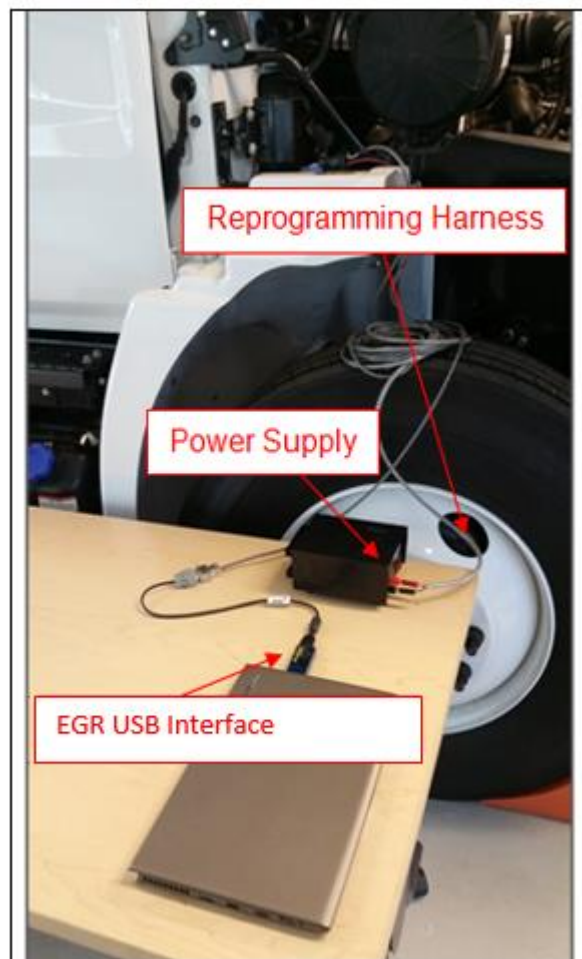
4. Perform the following connections.

Connect the EGR USB interface to the computer.

With the power supply off, connect the red power supply lead and black ground supply lead from the reprogramming harness to the power supply.

Wait for the red and green lights on the EGR USB interface to flash before continuing.

NOTICE: Your computer may provide a message that it is installing driver software when the EGR USB interface is first connected. Wait for this process to complete before continuing.

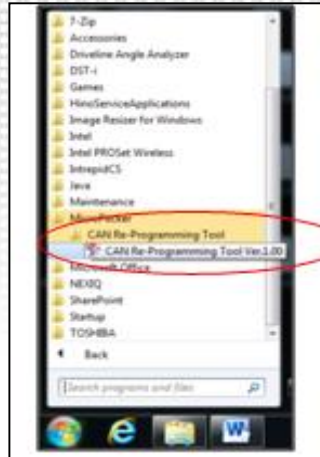


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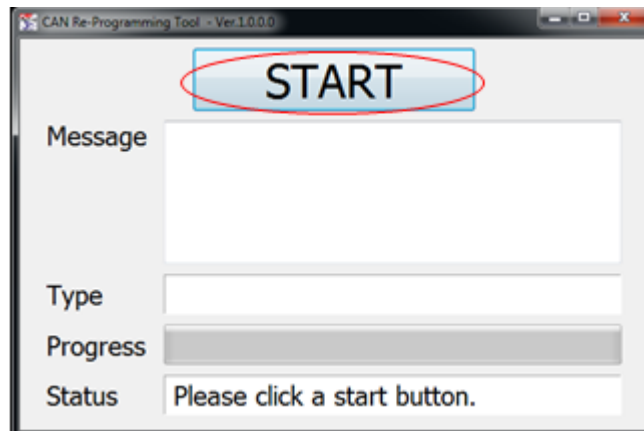
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5. Open the “Start” menu on the computer and select the following icons to open then reprogramming tool menu.

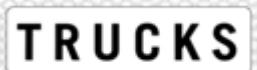
- Programs
- EGR USB interface
- CAN Re-Programming Tool.



6. Select the “Start” icon.



7. Turn on the power supply within three minutes after selecting the “Start” icon.



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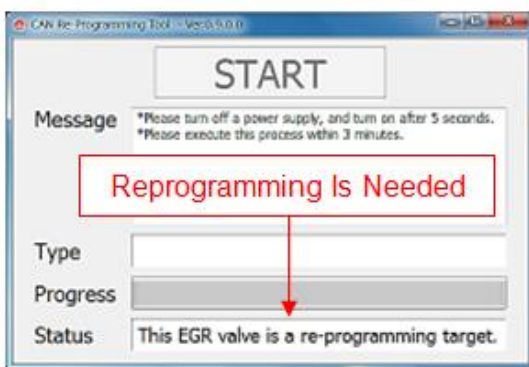
8. If a communication error occurs due to the power supply not being turned on or a connection issue, the screen shown below will appear. Address any issues and click the “Start” icon again. Continue to step 9.



9. The reprogramming tool will automatically determine if the EGR valve requires reprogramming.

If the tool indicates “This EGR valve is a reprogramming target”, proceed to step 10.

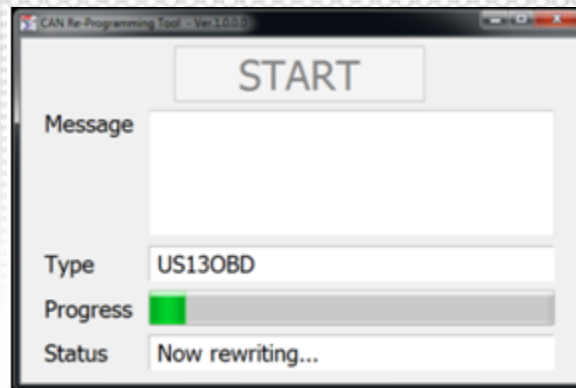
If the tool indicates the “EGR valve ISN'T a reprogramming target”, the EGR valve does not require reprogramming. No further action is required. Turn off the power supply and close the reprogramming tool. Proceed to step 12.



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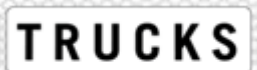
10. Once the reprogramming tool recognizes the EGR valve, turn the power supply off for five seconds and back on again. The tool will automatically begin the programming process.



11. The reprogramming tool will provide a "Rewriting OK" message when complete. Turn off the power supply and close the reprogramming tool.



12. Disconnect the programming harness from the junction box connectors and return all connectors to their original location.

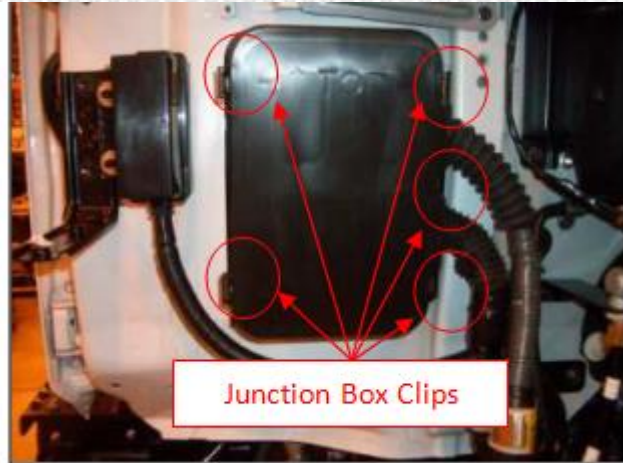


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13. Install the junction box cover to the junction box. Carefully ensure all five clips on the junction box cover are fully engaged.

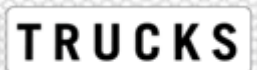
NOTICE: The air filter assembly is removed in the picture to the right for clarity.



14. Replace the “ENG ECU MAIN 1” and “ENG ECU MAIN 2” fuses in the interior fuse panel and reinstall the cover.



15. Proceed to “Final Inspection”.



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FINAL INSPECTION

1. To complete this software update procedure, review the TSB and confirm the following:

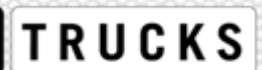
- The EGR valve software has been updated successfully
- All junction box connectors are locked and the cover is properly latched
- Engine ECU fuses have been reinstalled in the interior fuse panel

CLAIM APPLICATION

** Reimbursable in accordance within the terms and policies of the Hino limited warranties.*

EGR Valve Reprogramming:

- a) Campaign No: AA3A0
- b) Labor charge: 0.5 hours
- c) Warranty code: 05224
- d) Trouble code: 98
- e) Operation code: 05250AOT
- f) Original failed part: 9999999999



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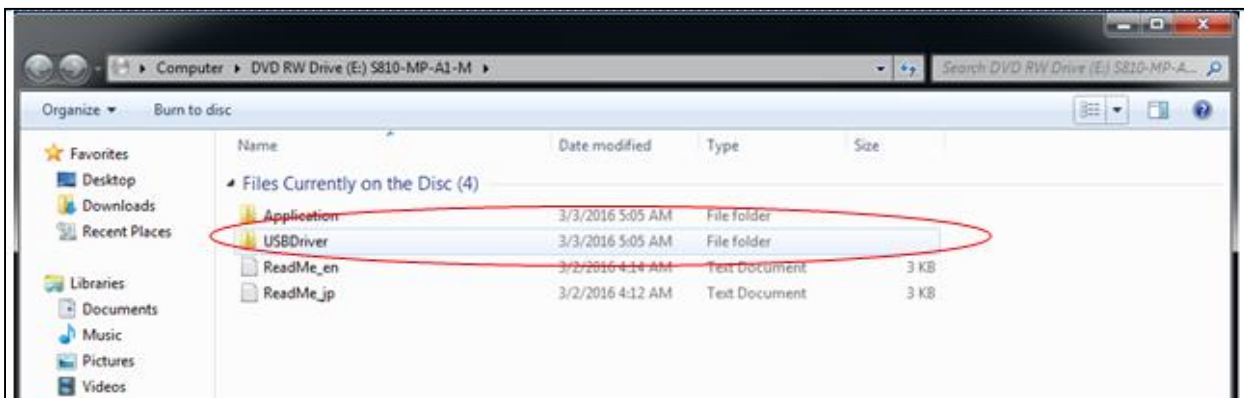
APPENDIX A

WINDOWS 7 OR WINDOWS XP PROGRAMMING SOFTWARE INSTALLATION

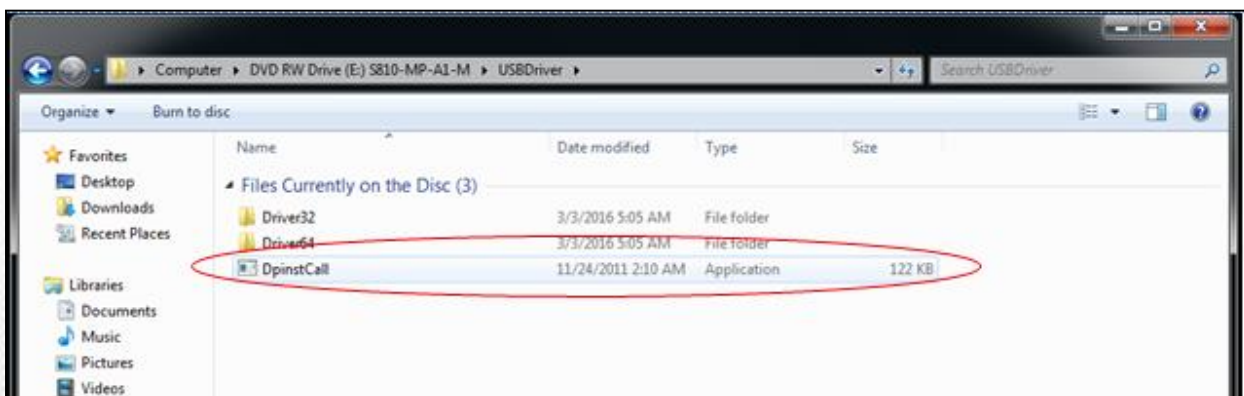
1. Follow this procedure for using a laptop or desktop computer with Windows 7 or Windows XP. Insert the Reprogramming Software CD into the disk drive. If the CD is not available, the software file can be downloaded from the <http://www.Hinonet.net> website.

NOTICE: Hino DX2 will NOT be used for EGR valve reprogramming. The Reprogramming Software from the CD MUST be installed onto the laptop or desktop computer prior to reprogramming the EGR valve.

2. Open the folder on the Reprogramming CD labelled “USBDriver”.



3. Open the file named: “DpinstCall” and follow the prompts to install the driver for the USB interface.

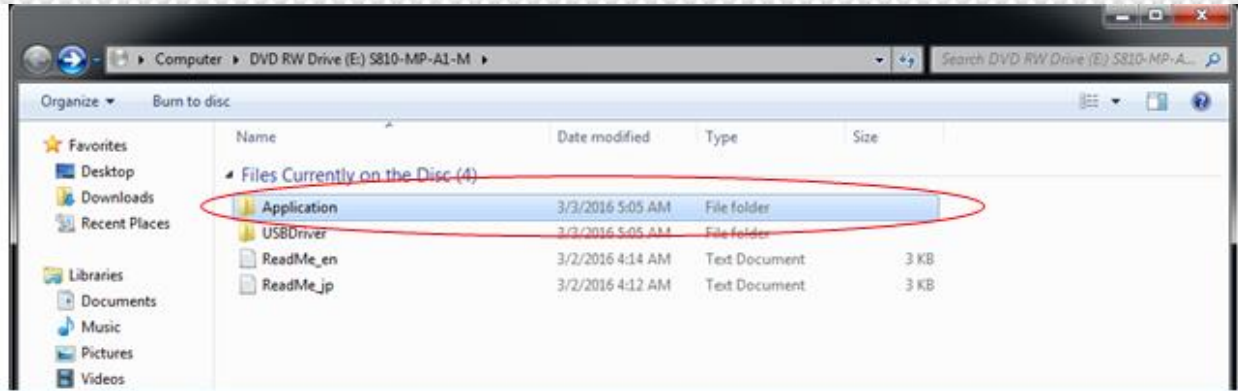


TRUCKS

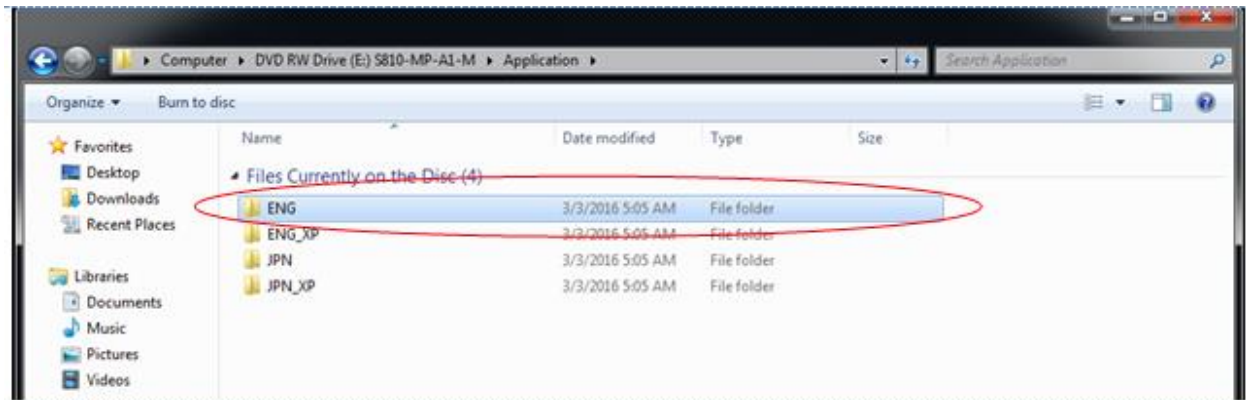
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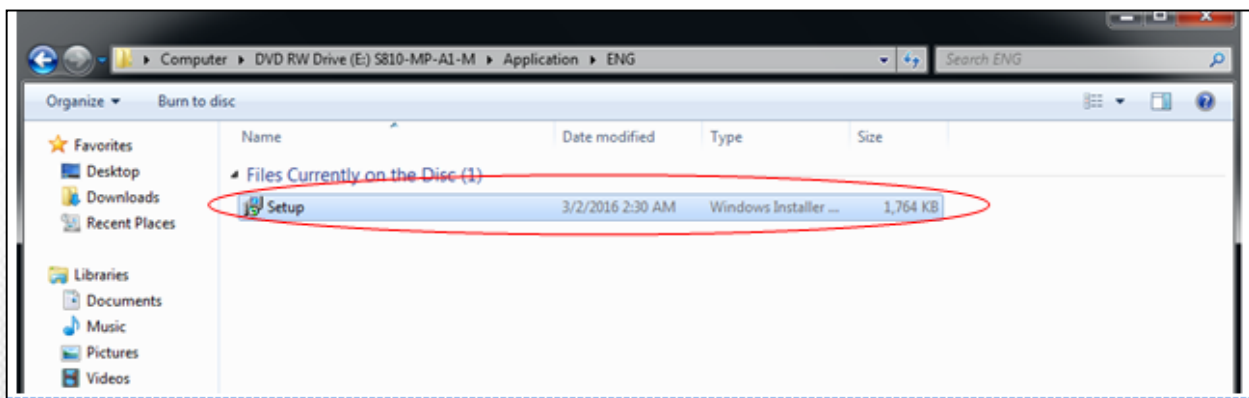
- Return to the main Reprogramming CD screen and open the folder labelled “Application”.



- Open the folder labelled “ENG” for Windows 7 or “ENG_XP” for Windows XP. You cannot use a computer with any other version of Windows.



- Open the “Setup” file and following the prompts to install the CAN Re-Programming Tool.



- Continue to the repair procedure.



EMISSIONS RECALL

APPENDIX B

WINDOWS 8.1 OR WINDOWS 10 PROGRAMMING SOFTWARE INSTALLATION

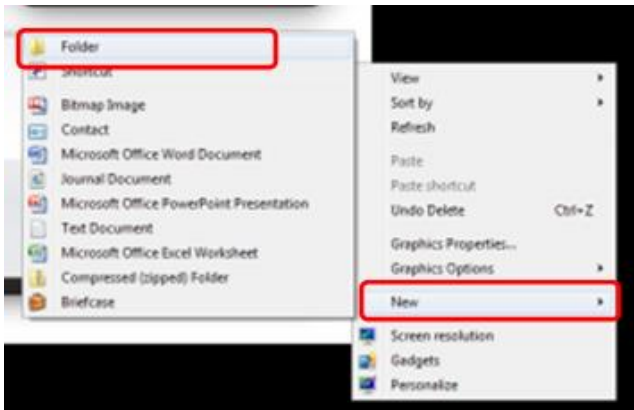
Overview

A special reprogramming application (EGR Reflash P14BF Win10) is required to reprogram the EGR valve. It is necessary to download the reprogramming application, as well as the new EGR USB interface driver. The EGR valve reprogramming application needs to be installed on your computer. This may require IT support if access is restricted regarding installation of programs on your computer's hard drive.

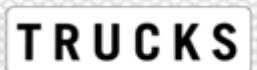
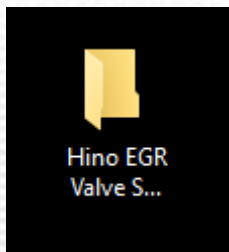
Installation

If using the EGR valve application and EGR USB interface driver for the first time, download the "EGR Reflash P14BF Win10" file, the software file from the <http://www.Hinonet.net> website. Save the files to the hard drive of your computer.

1. Right click on the desktop and select "New", "Folder".



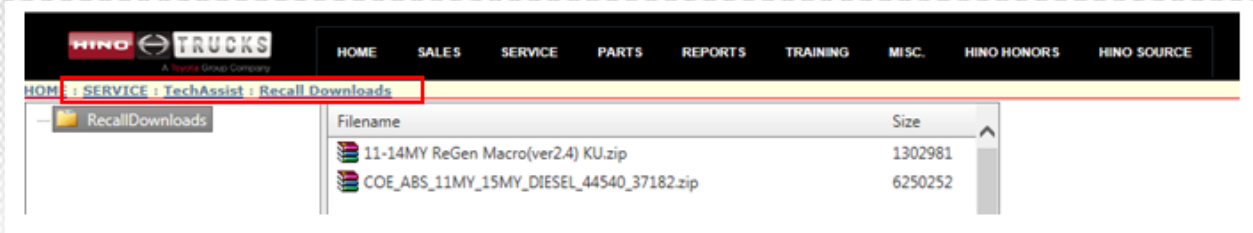
2. Name the folder "Hino EGR Valve Software".



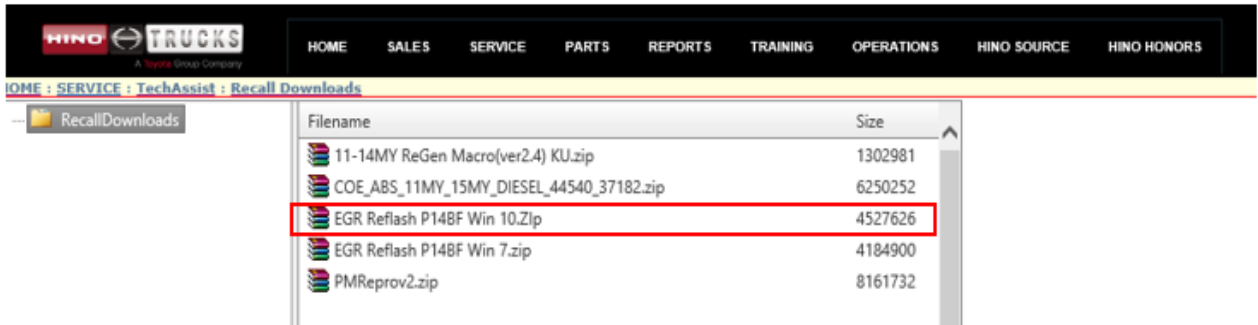
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3. Log into Hinet, go to the “Service” tab, “Tech Assist” then the “Recall Downloads” tab.



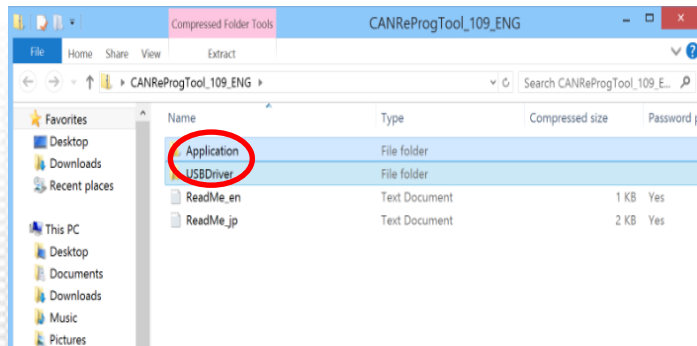
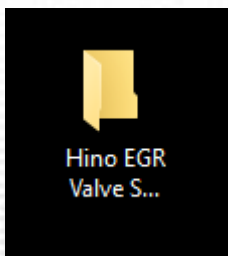
4. Double click the “File name EGR Reflash P14BF Win10” Select “Save As” and save it to the “Hino EGR Valve Software” folder on the desktop.



5. Right click on the “File name EGR Reflash P14BF Win10” and select “Extract All”.

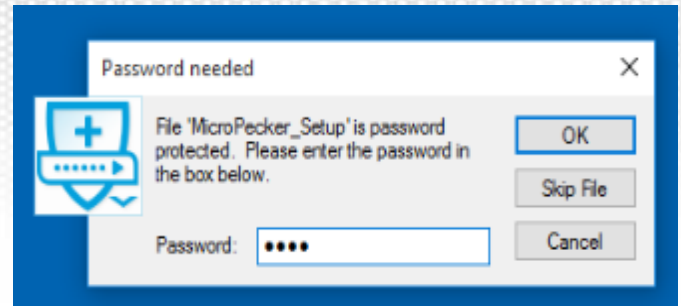
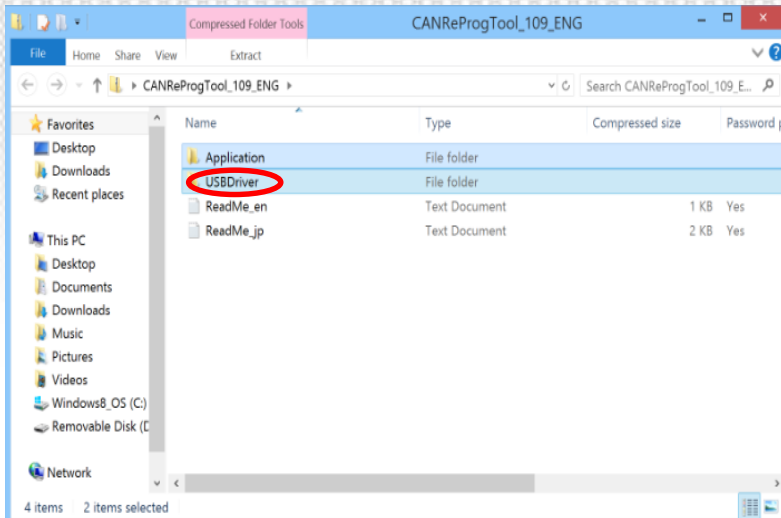


6. Save the files in the “Hino EGR Valve Software” folder.

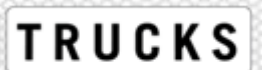
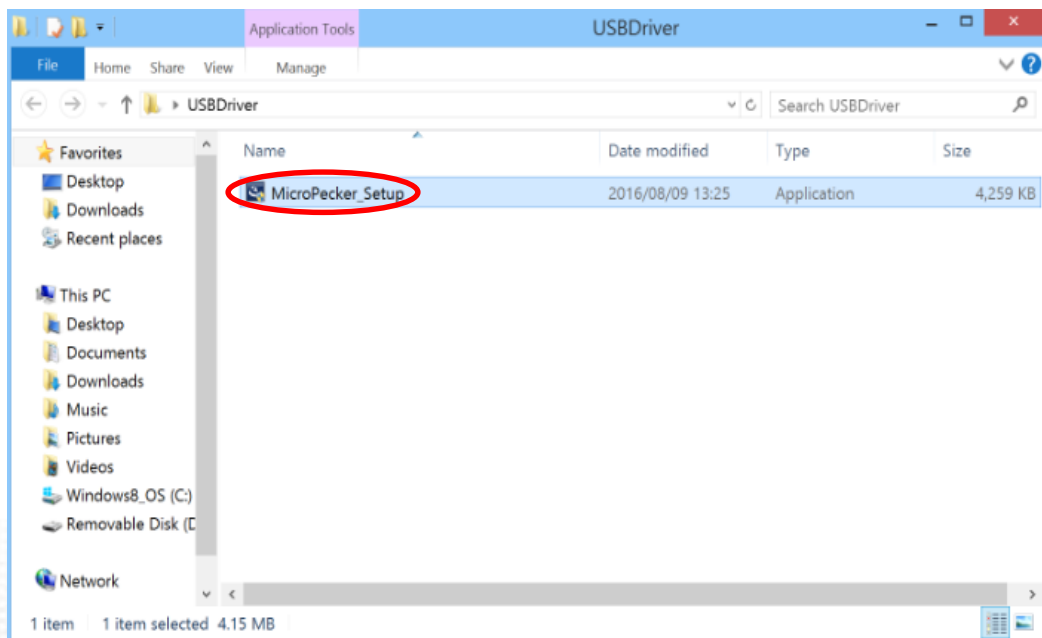


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7. Double click on the “USB driver” folder and a screen will pop up with a password needed. Enter the password “IDA3” and click OK.



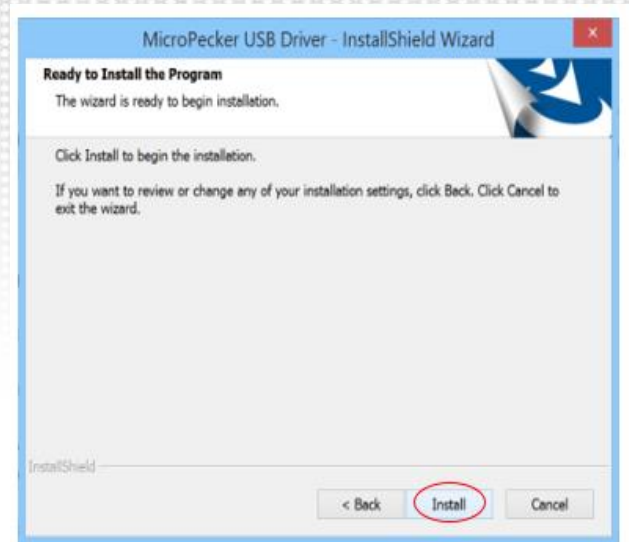
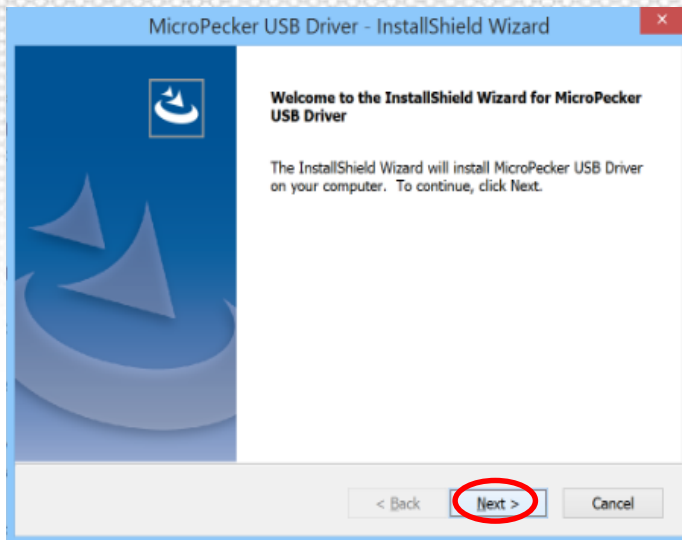
8. Double click on the “MicroPecker Setup”.



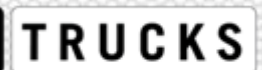
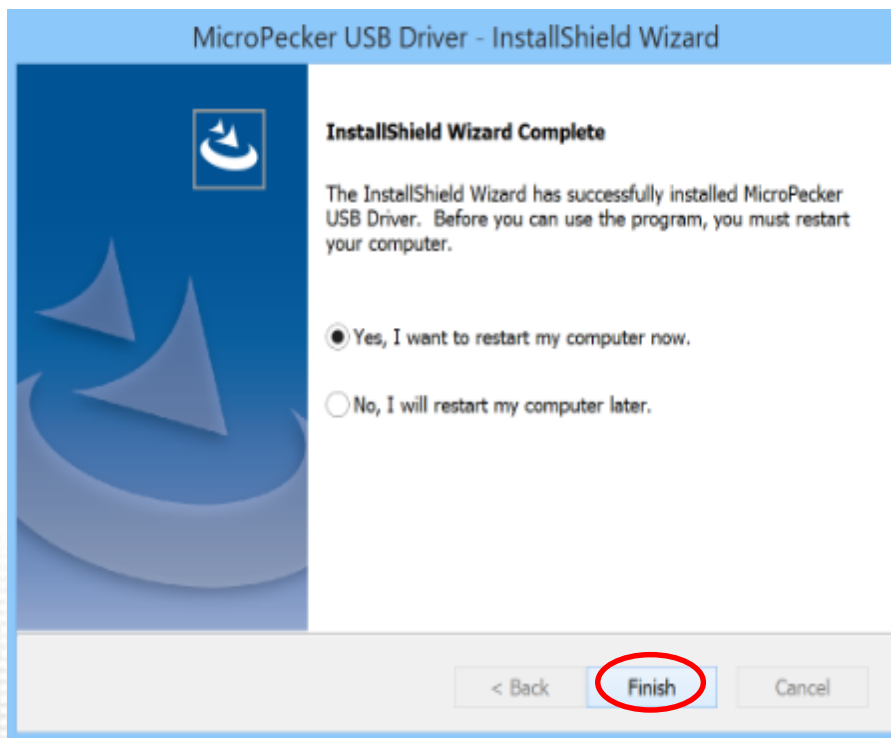
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9. Click on “Next” and then click “Install”.



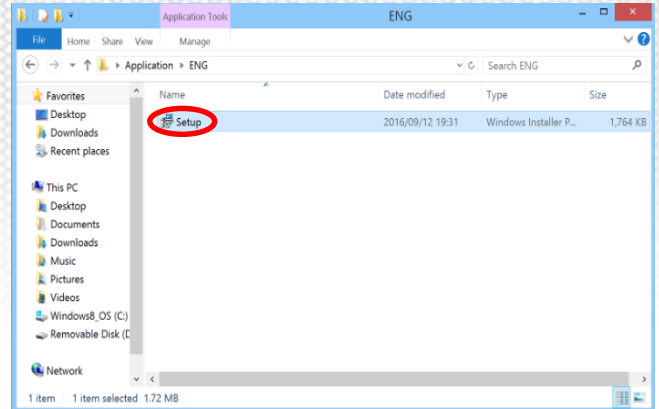
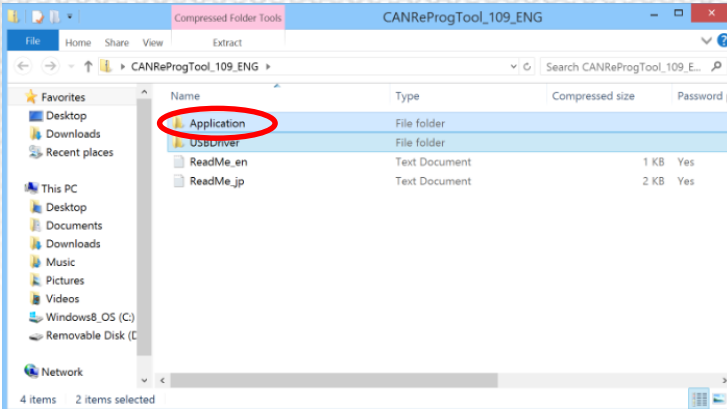
10. Check on the “Yes, I would like to restart my computer now” and click on “Finish”.



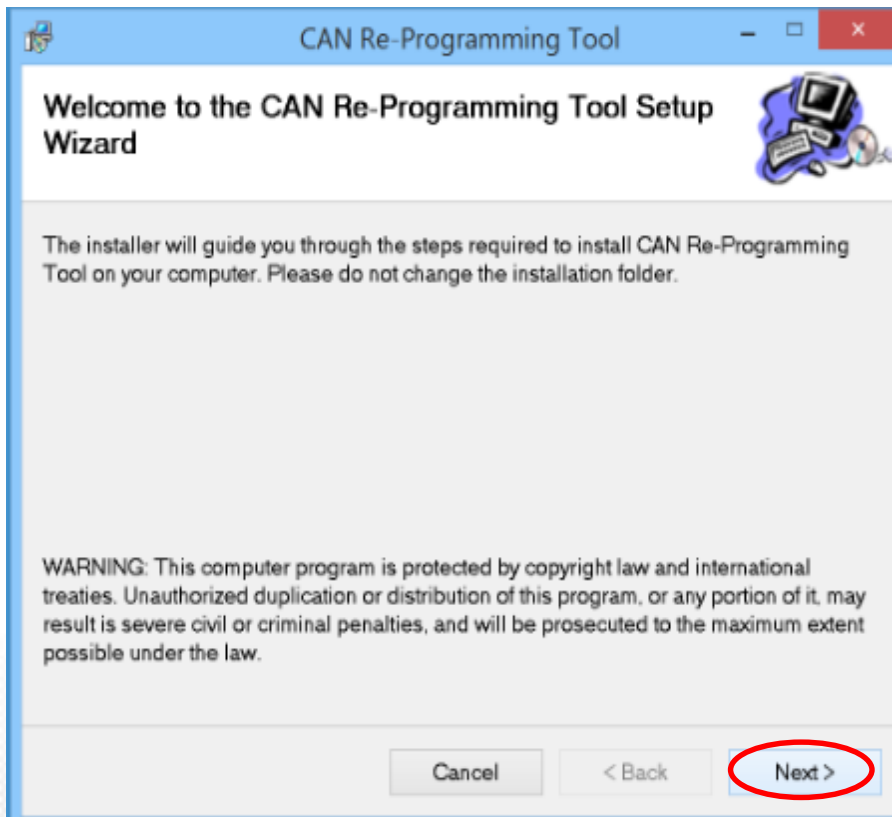
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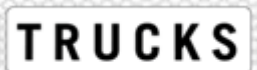
11. Double click on “Application”, “ENG” and then on “Setup”.



12. Click on “Next” until the installation is complete and click on “Close”.



13. Continue to the repair procedure.



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