

Reference:

ITB13-048a

Date:

March 12, 2014

VOLUNTARY SAFETY RECALL CAMPAIGN 2006 – 2010 M35 AND M45; ACCELERATOR PEDAL ASSEMBLY

This bulletin has been amended. Instructions have been added on pages 2, 8, 12, and 13 indicating the reprogramming may take up to two hours. Please discard previous versions of this bulletin.

CAMPAIGN ID #: R1306
NHTSA #: 13V-430
APPLIED VEHICLES: 2006 – 2010 M35 and M45 (Y50)

Check Service Comm to confirm campaign eligibility.

INTRODUCTION

Infiniti is conducting a Voluntary Safety Recall Campaign on certain specific Model Year 2006 to 2010 M35 and M45 vehicles to replace the Accelerator Pedal Lever Assembly and reprogram the Engine Control Module (ECM). This service will be performed at no charge to the customer for parts or labor.

IDENTIFICATION NUMBER

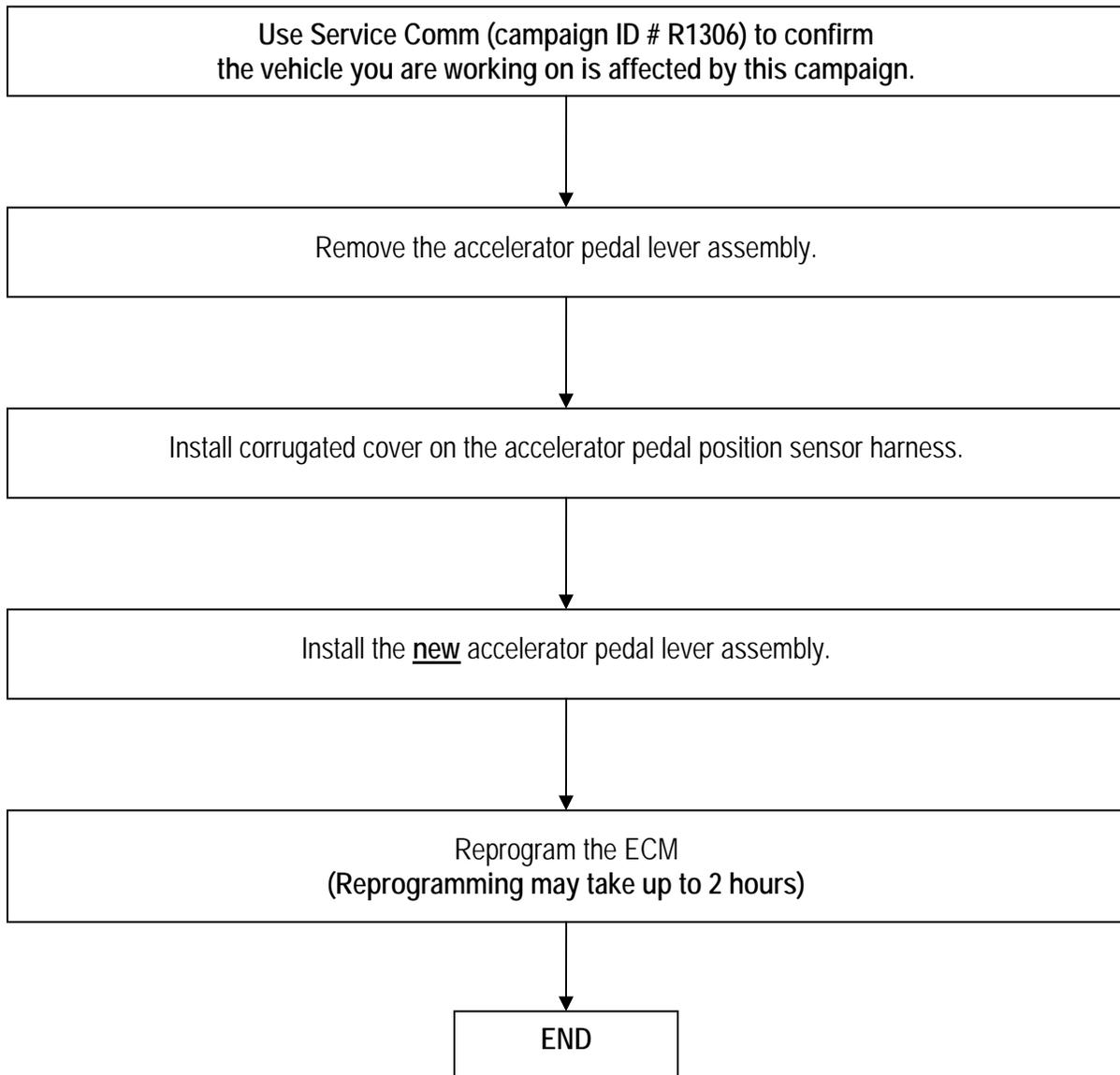
Infiniti has assigned identification number R1306 to this campaign. This number must appear on all communication and documentation of any nature dealing with this campaign.

DEALER RESPONSIBILITY

It is the dealer's responsibility to check Service Comm for the campaign status on each vehicle falling within the range of this voluntary safety recall which for any reason enters the service department. This includes vehicles purchased from private parties or presented by transient (tourist) owners and vehicles in a dealer's inventory. **Federal law requires that new vehicles in dealer inventory which are the subject of a safety recall must be corrected prior to sale. Failure to do so can result in civil penalties by the National Highway Traffic Safety Administration.** While federal law applies only to new vehicles, Infiniti strongly encourages dealers to correct any used vehicles in their inventory before they are retailed.

Infiniti Bulletins are intended for use by qualified technicians, not 'do-it-yourselfers'. Qualified technicians are properly trained individuals who have the equipment, tools, safety instruction, and know-how to do a job properly and safely. NOTE: If you believe that a described condition may apply to a particular vehicle, DO NOT assume that it does. See your Infiniti dealer to determine if this applies to your vehicle.

REPAIR OVERVIEW



SERVICE PROCEDURE

CAUTION: Handle interior trim carefully to avoid damage. Work with clean hands and clean tools to avoid dirt and stains. Use protective covers as needed.

Accelerator Pedal Lever Assembly Replacement

1. Make sure the ignition is OFF.
2. Remove any floor mats from the driver floor.

NOTE: Refer to Figure A1 as needed while performing this procedure.

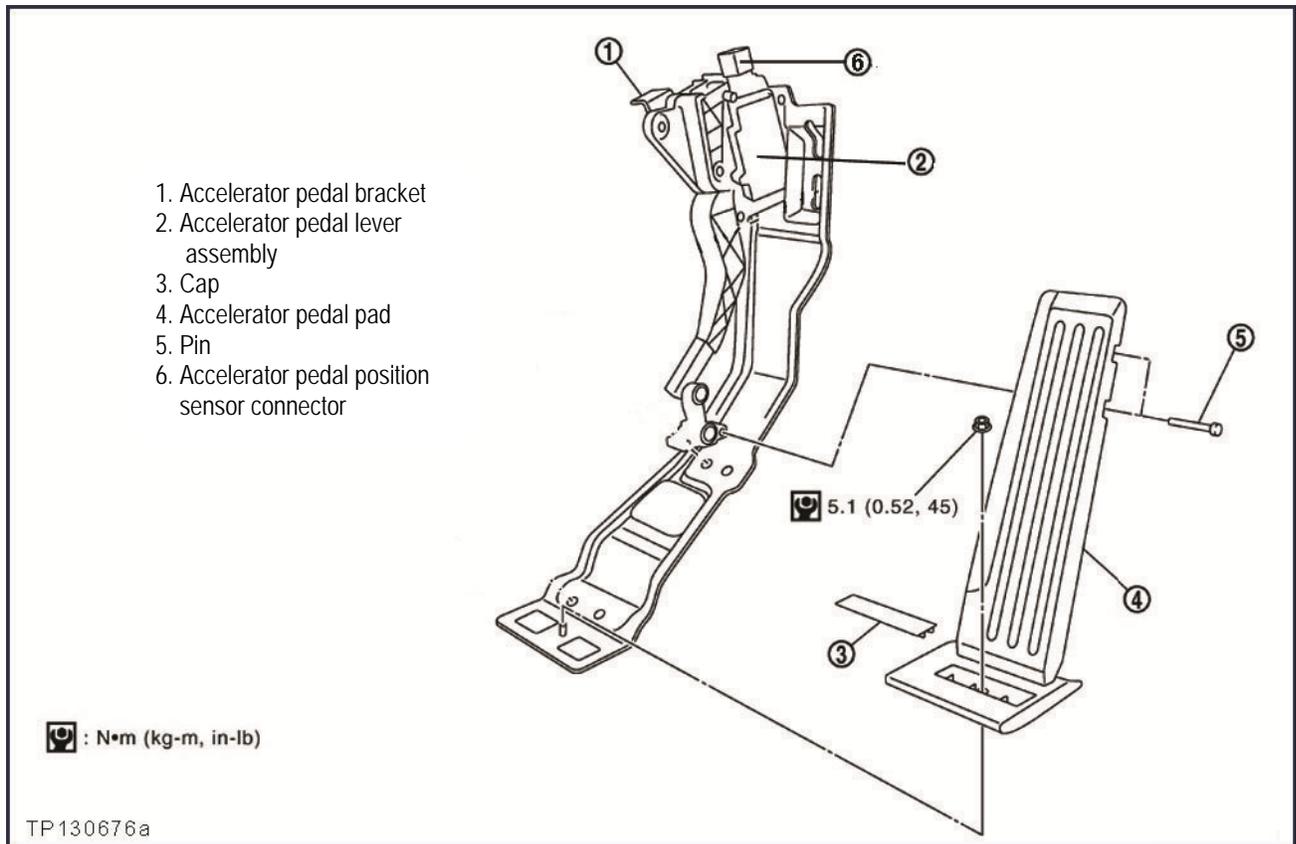


Figure A1

3. Remove the cap.



Figure A2

4. Remove the accelerator pedal pad mounting nut.



Figure A3

5. Remove the pins from the back side of the accelerator pedal pad (see Figures A1 and A4).
 - Fit a small flat blade screwdriver under the pin head and then pull/pry it out.
 - The pins in Figure A4 are partly removed to give a better visual of their location.

6. Remove the accelerator pedal pad.

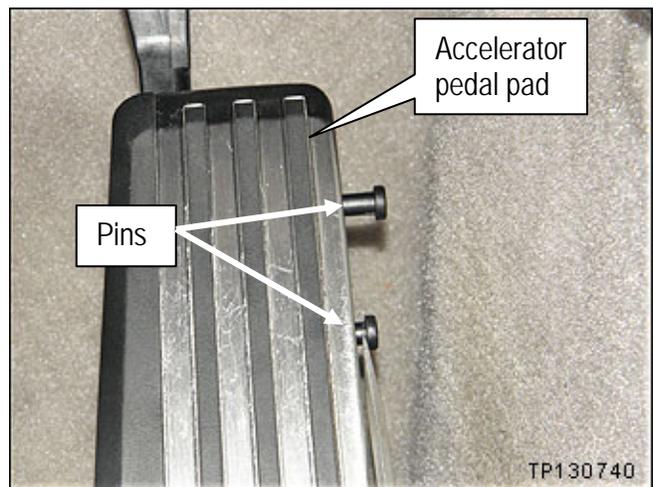


Figure A4

7. Remove the 3 accelerator pedal lever assembly mounting nuts.
 - 2 of the nuts are not visible in Figure A5, see Figure A6.

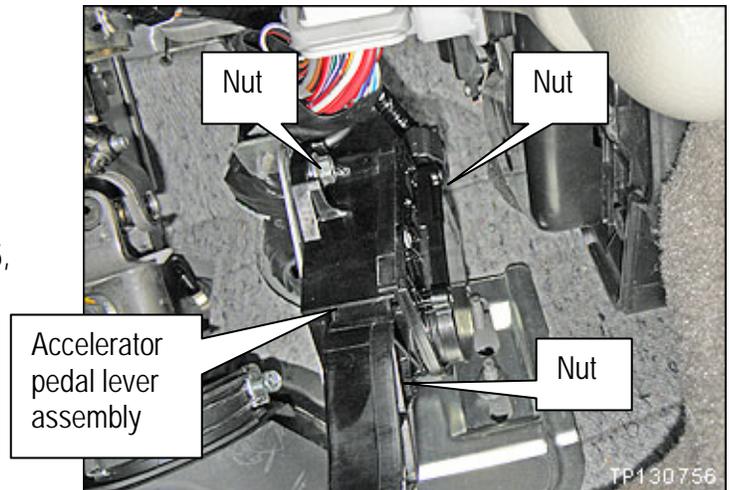


Figure A5

NOTE:

- The accelerator pedal bracket and lever assembly has been removed from the vehicle in this photo.
- The accelerator pedal bracket does not need to be removed for this Service Procedure.
- This photo is supplied to show the location of the 3 lever assembly mounting nuts.

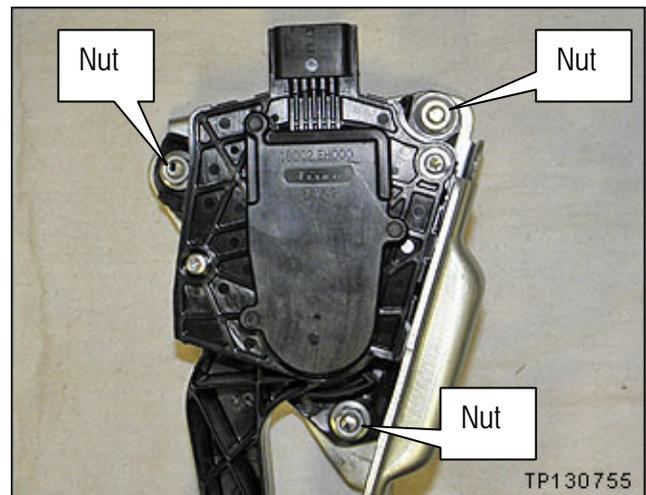


Figure A6

8. Partly remove the accelerator pedal lever assembly.
 - Pull it down a few inches, enough to access the Harness electrical connector.
9. Disconnect the electrical connector and then completely remove the accelerator pedal lever assembly.

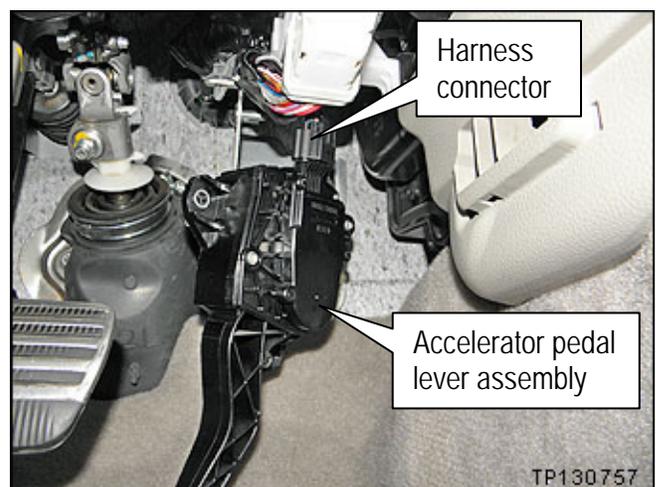


Figure A7

10. Install the corrugated cover on the accelerator pedal position sensor harness as follows (see Figures A8 – A10).

NOTE: The corrugated cover is included in the box with the new accelerator pedal lever assembly.

a. Remove the harness rubber cover.



Figure A8

b. Install the corrugated cover.



Figure A9

c. Wrap the harness with electrical (vinyl) tape.

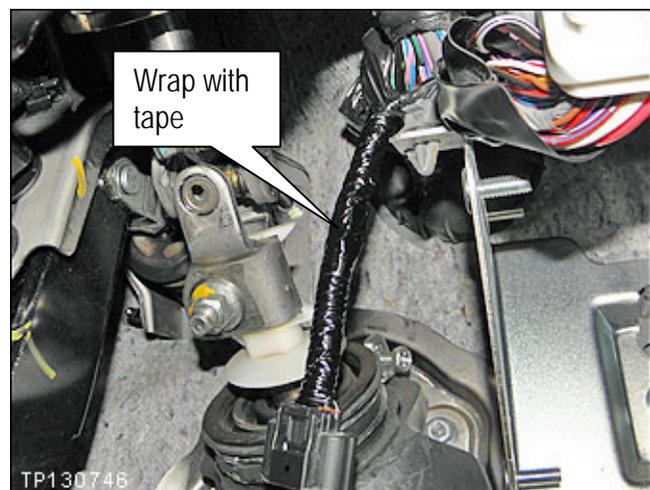


Figure A10

11. Install the new accelerator pedal lever assembly in reverse order.

12. Reinstall the accelerator pedal pad in reverse order.

13. Make sure the accelerator pedal moves smoothly within the whole operation range (fully depressed and fully released).

14. Make sure the accelerator pedal completely returns to the fully released position.

NOTE: The pedal position learning will be done as part of the ECM reprogramming.

15. Render the old accelerator pedal bracket and lever assembly unusable by breaking the electrical connector.

16. Go to ECM Reprogramming on the next page.

ECM Reprogramming

NOTE:

- This reprogramming may take up to 2 hours.
- Most instructions for reprogramming with CONSULT-III plus (C-III plus) are displayed on the CONSULT PC screen.
- If you are not familiar with the reprogramming procedure, [click here](#). This will link you to the "CONSULT- III plus (C-III plus) Reprogramming" general procedure.
- Take the vehicle for a 10 minute drive in order to meet the following Idle Air Volume Learn (IAVL) conditions:
 - Engine coolant temperature: 70 -105°C (158 - 221°F)
 - Battery voltage: More than 12.9V (At idle)
 - Transmission: Warmed up



Figure C

NOTE: After reprogramming is complete, you will be required to perform Throttle Valve Closed Position, Idle Air Volume Learn, Accelerator Closed Position, and DTC erase. The above conditions are required for IAVL to complete

CAUTION:

- **This reprogramming may take up to 2 hours.** Connect the GR8 to the battery and set to ECM power supply mode. If the vehicle battery voltage goes below 12.0V or above 15.5V during reprogramming, the ECM may be damaged.
- Be sure to turn OFF all vehicle electrical loads. If a vehicle electrical load remains ON, the ECM may be damaged.
- **This reprogramming may take up to 2 hours.** Be sure to connect the AC Adapter. If the CONSULT PC battery voltage drops during reprogramming, the process will be interrupted and the ECM may be damaged.
- Turn off all external Bluetooth® devices (e.g., cell phones, printers, etc.) within range of the CONSULT PC and the VI. If Bluetooth® signal waves are within range of the CONSULT PC during reprogramming, reprogramming may be interrupted and the ECM may be damaged.

1. Connect the CONSULT PC to the vehicle to begin the reprogramming procedure.
2. Open/start C-III plus.
3. Wait for the plus VI to be recognized.
 - Serial number will display when the plus VI is recognized.
4. Select **Re/programming, Configuration**.

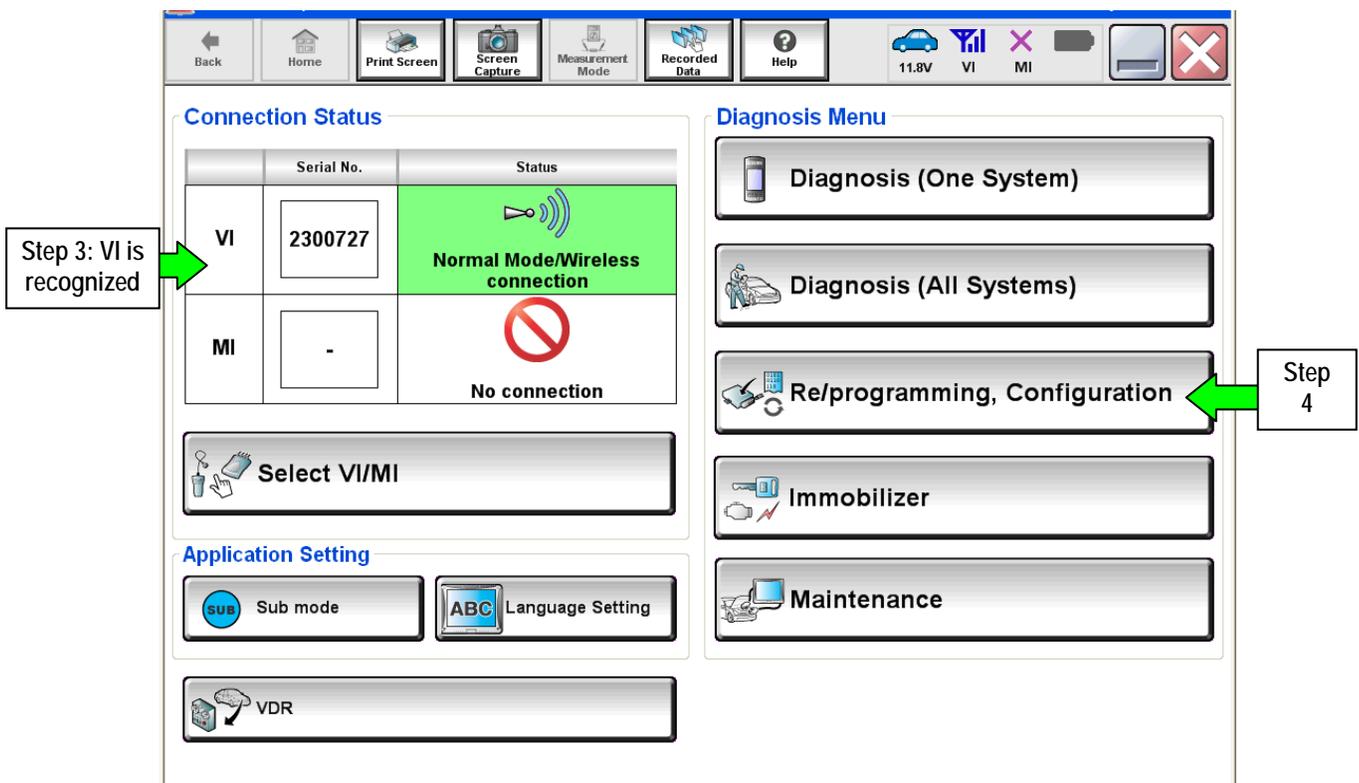


Figure 1

5. Follow the on-screen instructions and navigate the C-III plus to the screen shown in Figure 2 on the next page.

Table A

MODEL	Current ECM Part Number: 23710-	
M	V8 (VK45DE)	V6 (VQ35DE)
2006		EH100
		EH105
		EH110
	EH000	EH115
	EH010	EH10A, EH10B, EH10C, EH10D
		EH11A, EH11B, EH11C, EH11D
		EH12A, EH12B, EH12C
		EH13A, EH13B, EH13C
2007		EJ35A, EJ35B
	EJ21A	EJ36A, EJ36B
	EJ22A	EJ38A
		EJ39A
2008	EJ70A, EJ70B	EJ90A, EJ90B
	EJ71A, EJ71B	EJ91A, EJ91B
	EJ72A, EJ72B	EJ92A, EJ92B
	EJ73A, EJ73B	EJ93A, EJ93B
2009		1NP8A, 1NP8B
		1NP9A, 1NP9B
		1DV7A, 1DV7B
		1DW0A, 1DW0B, 1DW0C, 1DW0D
	1DV0A	1DW1A, 1DW1B, 1DW1C, 1DW1D
	1DV1A	1DW2A, 1DW2B, 1DW2C, 1DW2D
	1DV2A	1DW3A, 1DW3B, 1DW3C, 1DW3D
	1DV3A	1DW4A, 1DW4B, 1DW4C
		1DW5A, 1DW5B
		1DW6A, 1DW6B
		1DW7A, 1DW7B
		1DW8A, 1DW8B
		1DW9A, 1DW9B
2010	1NP0A	1NP4A, 1NP4B, 1NP4C, 1NP4D
	1NP1A	1NP5A, 1NP5B, 1NP5C, 1NP5D
	1NP2A	1NP6A, 1NP6B, 1NP6C
	1NP3A	1NP7A, 1NP7B, 1NP7C

IMPORTANT

- This reprogramming may take up to 2 hour to complete.
- The VI should never be disconnected if the green light is blinking.
- Let the reprogramming continue, even if an error message displays.
- Let the reprogramming continue, even if the progress bars seems to be stuck.
- If the VI is disconnected while the green light is blinking the ECU may be damaged.

NOTE: As long as the green light on the VI is blinking, data is being transferred by the VI even if the progress bar seems stuck or an error message displays.

7. Follow the on-screen instructions to navigate C-III plus and reprogram the ECM.

8. When the screen in Figure 4 displays, reprogramming is complete.

NOTE:

- This reprogramming may take up to two hours.
- If the screen in Figure 4 does not display (if reprogramming does not complete), refer to the information on the next page.

9. Disconnect the battery charger / GR8 from the vehicle.

10. Select **Next**.

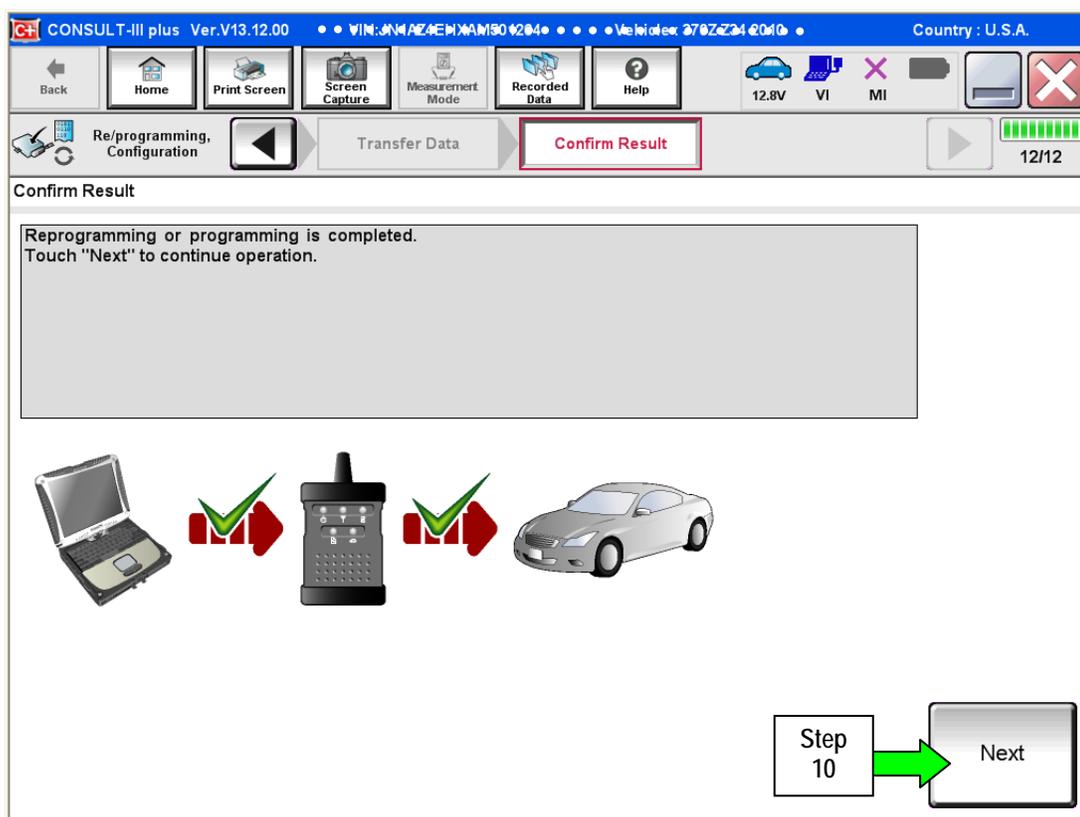


Figure 4

NOTE:

- In the next steps (page 15), you will perform Throttle Valve Closed Position, Idle Air Volume Learn, Accelerator Closed Position, and DTC erase.
- These operations are required before C-III plus will provide the final reprogramming confirmation report.

If reprogramming does not complete and the “!?” symbol displays as shown in Figure 5:

- Check battery voltage (12.0 – 15.5V).
- Ignition is ON / Ready Mode is OFF.
- External Bluetooth® devices are OFF.
- All electrical loads are OFF.
- Select **Retry** and follow the on screen instructions.

NOTE: Retry may not go through on first attempt and can be selected more than once.

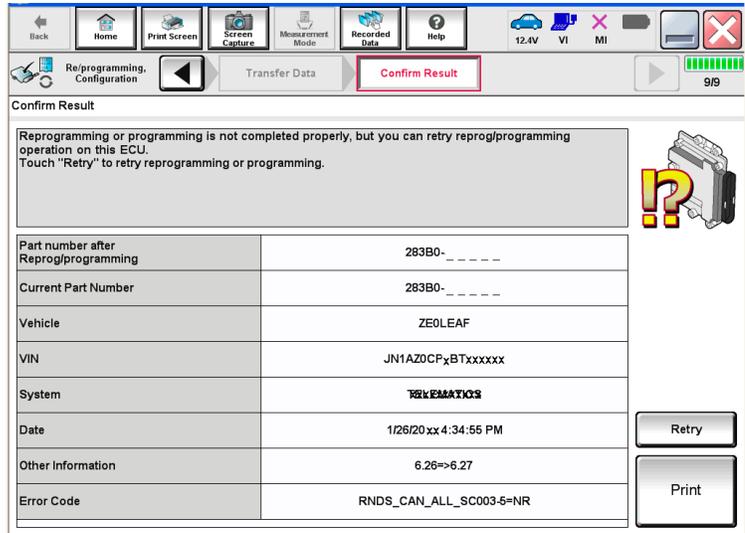


Figure 5

If reprogramming does not complete and the “X” symbol displays as shown in Figure 6:

- Check battery voltage (12.0 – 15.5V).
- CONSULT A/C adapter is plugged in.
- Ignition is ON, Ready Mode is OFF.
- Transmission in Park.
- All C-III plus / plus VI cables are securely connected.
- All C-III plus updates are installed.
- Select **Home**, and then restart the reprogram procedure from the beginning.

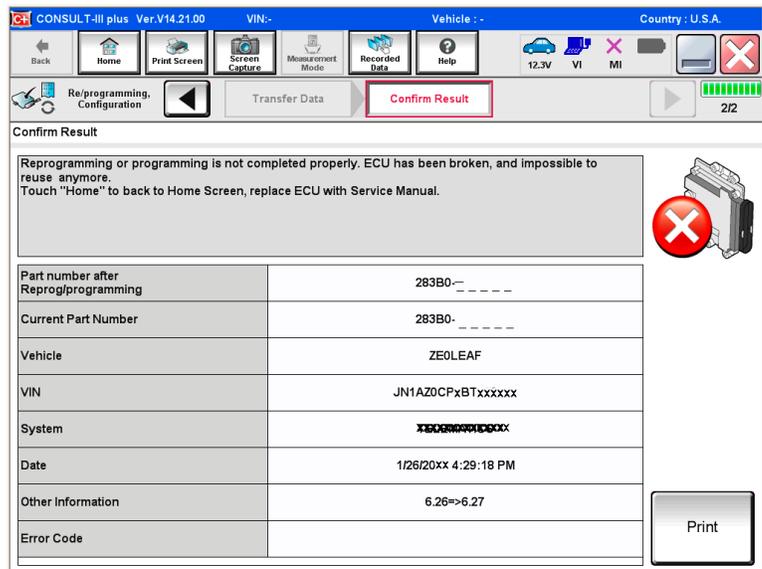


Figure 6

11. Follow the on-screen instructions to perform the following:

- Throttle Valve Closed Position

- Idle Air Volume Learn (IAVL)

NOTE:

- Listed below are the conditions required for IAVL to complete.
- If IAVL does not complete within a few minutes, a condition may be out of range.
 - Engine coolant temperature: 70 -105° C (158 -221°F)
 - Battery voltage: More than 12.9V (At idle)
 - Selector lever: P or N
 - Electric load switch: OFF (Air conditioner, headlamp, rear window defogger)
 - Steering wheel: Neutral (Straight-ahead position)
 - Vehicle speed: Stopped
 - Transmission: Warmed up (for CVT – ATF TEMP SEN less than 0.9V)

- Accelerator Pedal Close Position Learning

- Erase DTCs

Continue to the next page.

12. When the entire reprogramming process is complete, the screen in Figure 7 will display.
13. Verify the before and after part numbers are different.
14. Print a copy of this screen (Figure 7) and attach it to the repair order for warranty documentation.
15. Select **Confirm**.

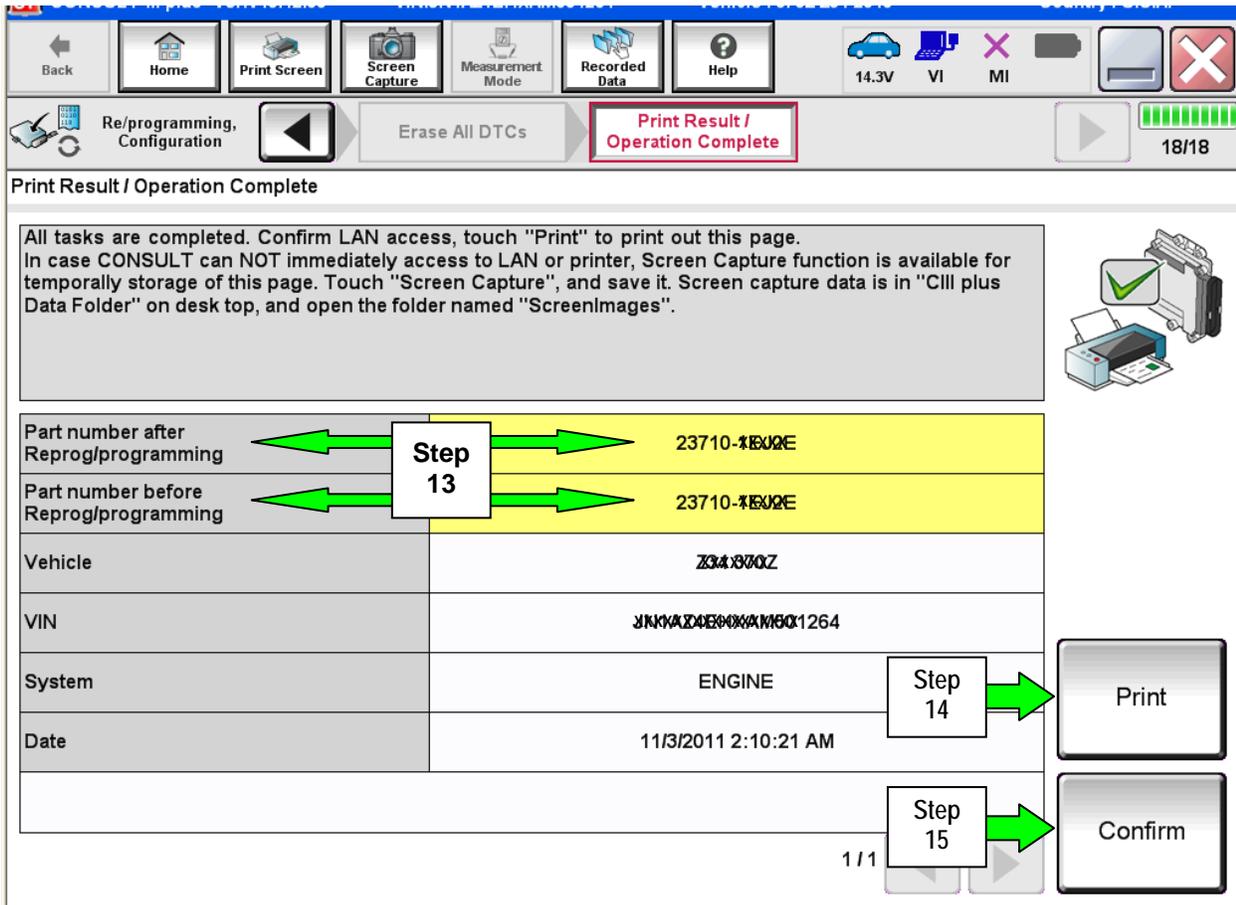


Figure 7

16. Close C-III plus.
17. Turn the ignition OFF.
18. Disconnect the plus VI from the vehicle.
19. Test drive the vehicle and make sure it operates correctly and the MIL is OFF.
 - If the MIL comes ON, go to ASIST for further diagnostic information.

PARTS INFORMATION

DESCRIPTION	PART #	QUANTITY
Accelerator Pedal Bracket and Lever Assembly (1)	18002 – EH50A	1

(1) Included in the box is the corrugated cover used in step 10 on page 6 of this bulletin.

CLAIMS INFORMATION

Submit a "CM" line claim using the following claims coding:

CAMPAIGN ("CM") I.D.	DESCRIPTION	OP CODE	FRT
R1306	RPL ACCELERATOR PEDAL & Reprogram ECM	R13060	1.2

