

Classification:

EC17-031

Reference:

ITB17-050

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Date:

September 27, 2017

2016-2017 Q50 AND 2017 Q60; MIL IS ON WITH DTC STORED

APPLIED VEHICLES: 2016-2017 Q50 (V37)
2017 Q60 (V37)
APPLIED ENGINE: VR30DDTT

IF YOU CONFIRM

The MIL is ON with one or more of the following DTCs stored:

P0544 – (EXHAUST GAS TEMP SENSOR 1 B1)
P0545 – (EXHAUST GAS TEMP SENSOR 1 B1)
P0546 – (EXHAUST GAS TEMP SENSOR 1 B1)
P0547 – (EXHAUST GAS TEMP SENSOR 1 B2)
P0548 – (EXHAUST GAS TEMP SENSOR 1 B2)
P0549 – (EXHAUST GAS TEMP SENSOR 1 B2)
P2080 – (EXHAUST GAS TEMP SENSOR 1 B1)
P2081 – (EXHAUST GAS TEMP SENSOR 1 B1)
P2082 – (EXHAUST GAS TEMP SENSOR 1 B2)
P2083 – (EXHAUST GAS TEMP SENSOR 1 B2)

ACTION

1. Refer to step 6 in the **SERVICE PROCEDURE** to confirm this bulletin applies to the vehicle you are working on.
2. If this bulletin applies, reprogram the ECM.

IMPORTANT: The purpose of ACTION (above) is to give you a quick idea of the work you will be performing. You **MUST** closely follow the entire **SERVICE PROCEDURE** as it contains information that is essential to successfully completing this repair.

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 retailer to determine if this applies to your vehicle.

SERVICE PROCEDURE

ECM Reprogram

IMPORTANT: Before starting, make sure:

- ASSIST on the CONSULT PC has been synchronized (updated) to the current date.
- All CONSULT-III plus (C-III plus) software updates (if any) have been installed.

NOTE:

- 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.

Preparation for Reprogramming

- Take the vehicle for a 10 minute drive in order to meet the following Idle Air Volume Learn (IAVL) conditions:
 - Engine coolant temperature: 70 -100°C (158 - 212°F)
 - Battery voltage: More than 12.9V (At idle)
 - Transmission: Warmed up



Figure A

- After reprogramming is complete, you will be required to perform Throttle Valve Closed Position, Idle Air Volume Learn, Accelerator Closed Position, and DTC erase.

CAUTION:

- Connect a GR8 battery charger to the vehicle battery and set to power supply mode. If the vehicle battery voltage drops 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.
- 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 ASIST on the CONSULT PC and start C-III plus.
3. Wait for the plus VI to be recognized / connected.
 - Serial number will display when the plus VI is recognized / connected.
4. Select **Re/programming, Configuration**.

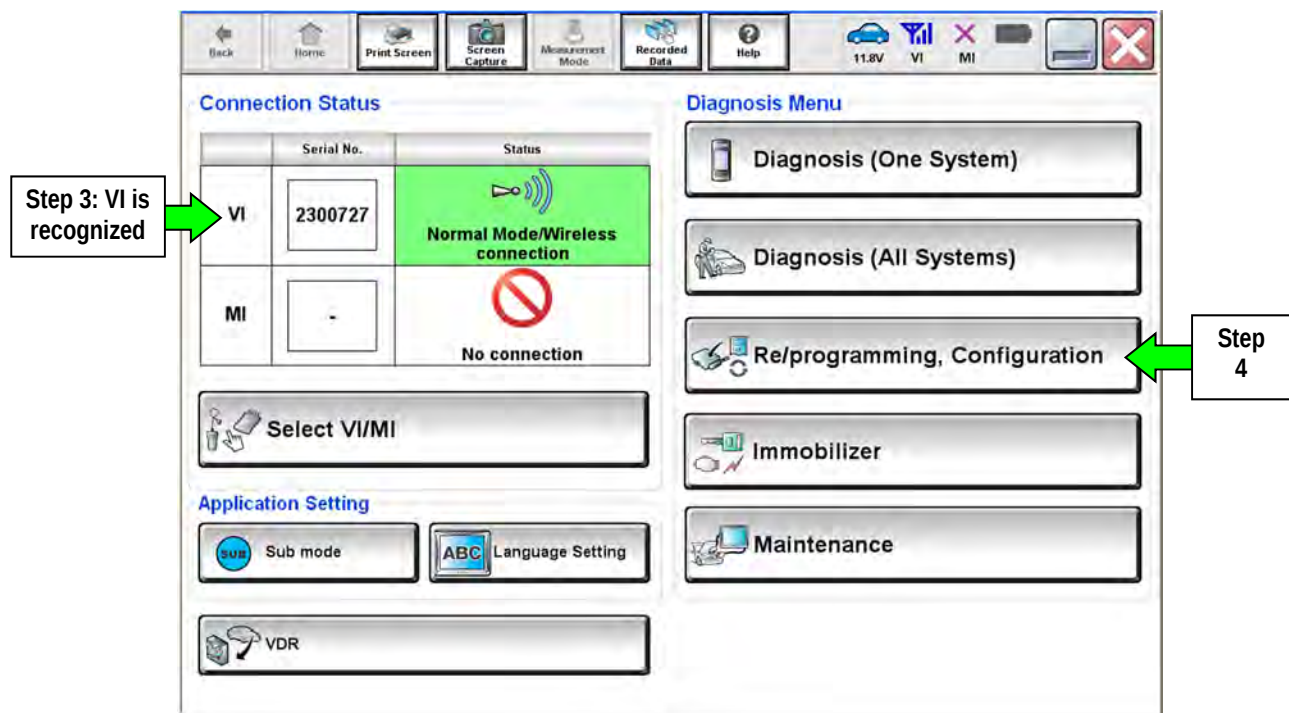


Figure 1

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

6. When you get to the screen shown in Figure 2, confirm that a reprogram is available as follows.

A. Find the ECM **Part Number** and write it on the repair order.

NOTE: This is the current ECM Part Number (P/N).

Touch "Save" to save operation log and the current part number as listed below to CONSULT. Operation log helps to restart next operation by selecting suitable operation log. Operation log is erased after operation has completely finished.

File Label	XXXXXXXXXXXX014
Operation	REPROGRAMMING
System	ENGINE
Part Number	23710-XXXXX
Vehicle	XXXXXXXXXX05h
VIN	JXXXXXXXXXXXX014
Date	XXXXXXXXXX06AM

Save

Figure 2

B. Compare the P/N you wrote down to the numbers in the **Current ECM Part Number** column in **Table A** on page 5.

- If there is a match, this bulletin applies. Continue with the reprogramming procedure.
- If there is not a match, this bulletin does not apply. Refer to ASIST for further diagnostic and repair information.

Table A

MODEL	Current ECM Part Number: 23710-
2016 Q50	5CF1A, 5CF2A, 5CF3A, 5CF4A, 5CF5A, 5CF6A, 5CF7A, 5CF8A, 5CF9A
	5CF1B, 5CF2B, 5CF3B, 5CF4B, 5CF5B, 5CF6B, 5CF7B, 5CF8B, 5CF9B
	5CF1C, 5CF2C, 5CF3C, 5CF4C, 5CF5C, 5CF6C, 5CF7C, 5CF8C, 5CF9C
	5CH3A, 5CH4A, 5CH7A, 5CH8A, 5CH9A
	5CH3B, 5CH4B, 5CH7B, 5CH8B, 5CH9B
	5CH3C, 5CH4C, 5CH7C, 5CH8C, 5CH9C
	5CJ2A, 5CJ3A, 5CJ4A, 5CJ5A, 5CJ6A, 5CJ7A, 5CJ8A, 5CJ9A
	5CJ2B, 5CJ3B, 5CJ4B, 5CJ5B, 5CJ6B, 5CJ7B, 5CJ8B, 5CJ9B
	5CJ2C, 5CJ3C, 5CJ4C, 5CJ5C, 5CJ6C, 5CJ7C, 5CJ8C, 5CJ9C
	5CD5A, 5CD6A
	5CD5B, 5CD6B
	5CD5C, 5CD6C
2017 Q50	6HF0A, 6HF1A, 6HF2A, 6HF3A, 6HF4A, 6HF5A, 6HF6A, 6HF7A,
	6HF0B, 6HF1B, 6HF2B, 6HF3B, 6HF4B, 6HF5B, 6HF6B, 6HF7B,
	6HF0C, 6HF1C, 6HF2C, 6HF3C, 6HF4C, 6HF5C, 6HF6C, 6HF7C
	6HG2A, 6HG3A, 6HG4A, 6HG5A, 6HG6A, 6HG7A, 6HG8A, 6HG9A,
	6HG2B, 6HG3B, 6HG4B, 6HG5B, 6HG6B, 6HG7B, 6HG8B, 6HG9B,
	6HG2C, 6HG3C, 6HG4C, 6HG5C, 6HG6C, 6HG7C, 6HG8C, 6HG9C
	6HA0A, 6HA1A, 6HA2A, 6HA3A, 6HA4A, 6HA5A, 6HA6A, 6HA7A,
	6HA0B, 6HA1B, 6HA2B, 6HA3B, 6HA4B, 6HA5B, 6HA6B, 6HA7B,
	6HA0C, 6HA1C, 6HA2C, 6HA3C, 6HA4C, 6HA5C, 6HA6C, 6HA7C
2017 Q60	5CC1B, 5CC8B, 5CC9B
	5CC0C, 5CC1C, 5CC8C, 5CC9C
	5CC0D, 5CC1D, 5CC8D, 5CC9D
	5CC0E
	5CG1B, 5CG5B, 5CG6B, 5CG7B, 5CG8B
	5CG0C, 5CG1C, 5CG5C, 5CG6C, 5CG7C, 5CG8C
	5CG0D, 5CG1D, 5CG5D, 5CG6D, 5CG7D, 5CG8D
	5CG0E
	5CH1B
	5CH1C, 5CH2C, 5CH5C, 5CH6C
	5CH1D, 5CH2D, 5CH5D, 5CH6D
	5CH2E, 5CH5E, 5CH6E
	5CJ0B, 5CJ1B,
	5CJ0C, 5CJ1C
	5CJ0D, 5CJ1D
	5CK1B, 5CK2B, 5CK3B, 5CK4B
	5CK1C, 5CK2C, 5CK3C, 5CK4C
	5CK1D, 5CK2D, 5CK3D, 5CK4D
	5CL5B, 5CL6B, 5CL7B, 5CL8B
	5CL5C, 5CL6C, 5CL7C, 5CL8C
	5CL5D, 5CL6D, 5CL7D, 5CL8D

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

NOTE:

- In some cases, more than one new P/N for reprogramming is available.
 - In this case, the screen in Figure 3 displays.
 - Select and use the reprogramming option that **does not** have the message “Caution! Use ONLY with ITBXX-XXX”.
- If you get this screen and it is blank (no reprogramming listed), it means there is no reprogramming available for this vehicle. Close C-III plus and disconnect from the vehicle.

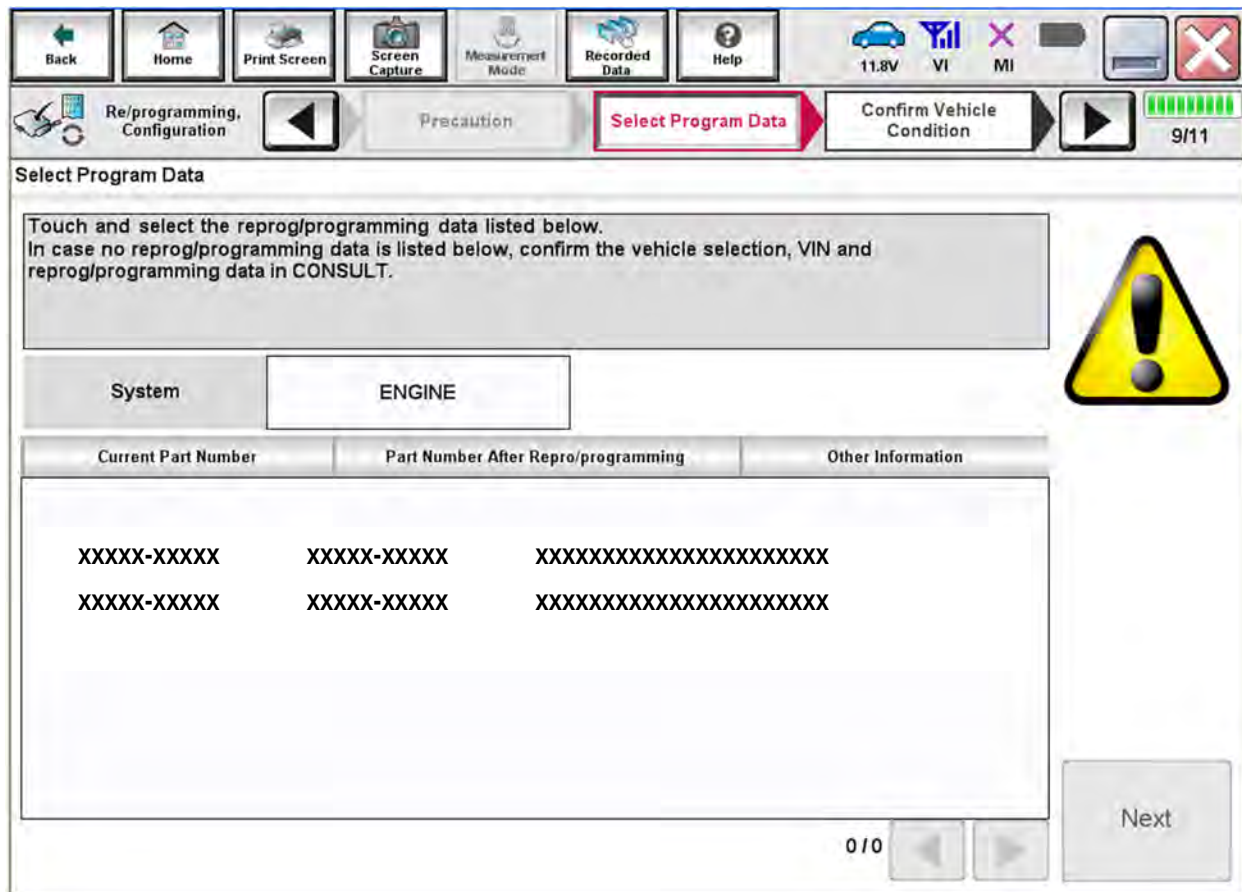


Figure 3

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

NOTE: If the screen in Figure 4 does not display (reprogramming does not complete), refer to the information on the next page.

9. Disconnect the battery charger from the vehicle.

10. Select **Next**.

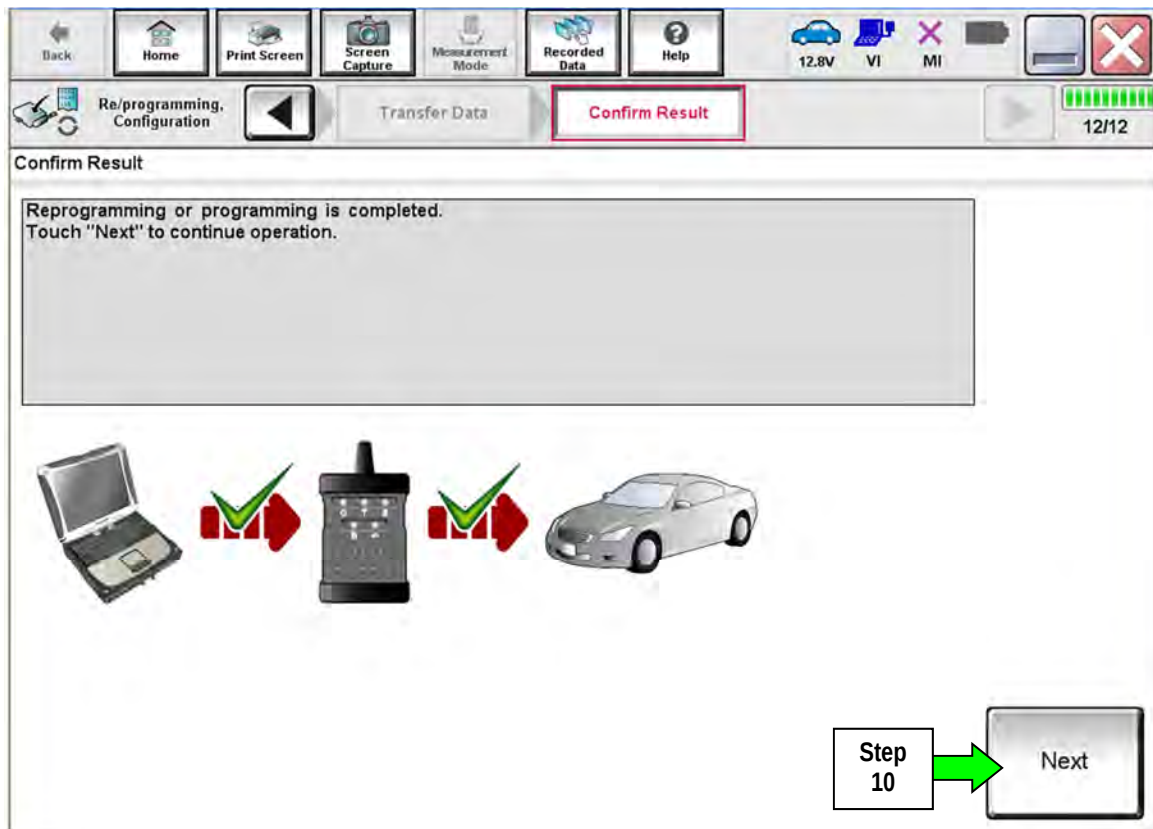


Figure 4

NOTE:

- In the next steps (page 9), 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.

Reprogram Recovery

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

- Check battery voltage (12.0 – 15.5V).
- Ignition is ON, engine 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, Engine 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.**

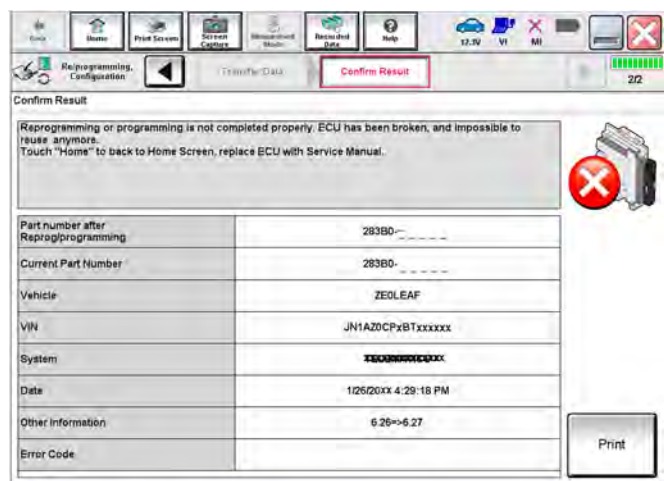


Figure 6

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

- **Throttle Valve Closed Position**
- **Idle Air Volume Learn (IAVL)**

NOTE:

- Listed below are common conditions required for IAVL to complete.
- If IAVL does not complete within a few minutes, a condition may be out of range.
- Refer to the appropriate Electronic Service Manual (ESM) for specific conditions required for the vehicle you are working on.
 - Engine coolant temperature: 70 -100° C (158 -212°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
- **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**.

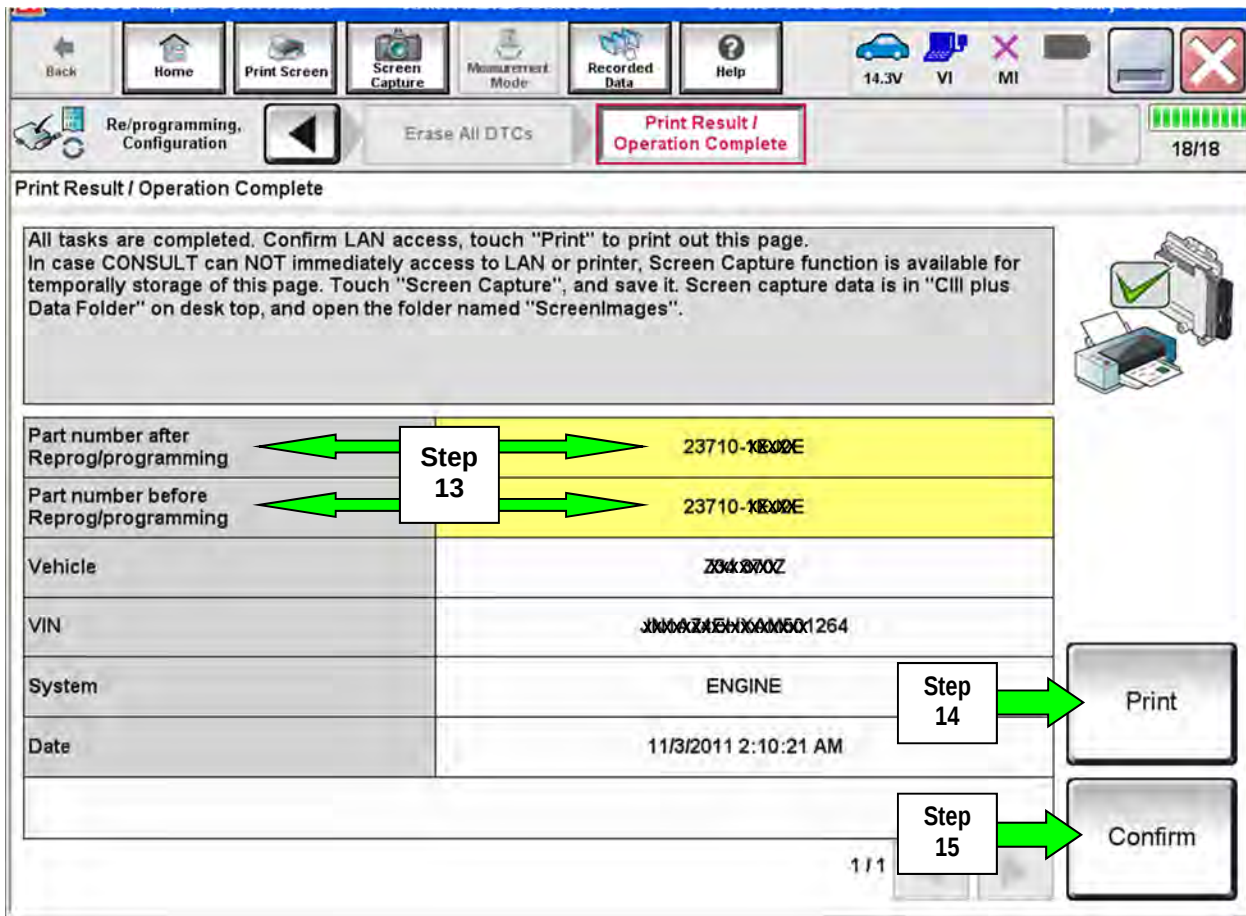


Figure 7

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.
 - This bulletin does not cover any repairs beyond ECM reprogramming.
 - If the MIL comes ON, go to ASIST for further diagnostic information.

CLAIMS INFORMATION

Submit a Primary Part (PP) type line claim using the following claims coding:

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
Reprogram Engine Control Module	(1)	DE97AA	HD	32	(2) (3)

- (1) Refer to the electronic parts catalog (FAST or equivalent) and use the ECM assembly part number (23710-*****) as the Primary Failed Part (PFP).
- (2) Reference the current Nissan Warranty Flat Rate Manual and use the indicated FRT.
- (3) FRT allows adequate time to access DTC codes and reprogram ECM. No other diagnostic procedures subsequently required. Do NOT claim any Diagnostic Op Codes with this claim.

