



SERVICE BULLETIN

Classification:

EC15-011

Reference:

NTB15-056

Date:

June 29, 2015

2013-2015 TITAN AND ARMADA; MIL ON WITH DTC P0139 AND/OR P0159

APPLIED VEHICLES: 2013-2015 Titan (A60)
2013-2015 Armada (TA60)

IF YOU CONFIRM

One or more of the following DTCs are present:

- **P0139** - HO2S2 (B1) (Heated oxygen sensor 2 circuit slow response)
- **P0159** - HO2S2 (B2) (Heated oxygen sensor 2 circuit slow response)

NOTE: Do not replace O2 sensors for the DTCs above if the vehicle's current ECM part number is in TABLE A on page 5.

ACTION

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

If this bulletin applies:

2. 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.

Nissan 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 Nissan dealer to determine if this applies to your vehicle.

SERVICE PROCEDURE

Reprogram the ECM

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) ECM 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 -100°C (158 - 212°F)
 - Battery voltage: More than 12.9V (At idle)
 - Transmission: Warmed up
- After reprogramming is complete, you will be required to perform Throttle Valve Closed Position, Idle Air Volume Learn, Accelerator Closed Position, and DTC erase.



Figure A

CAUTION:

- Connect the GR8 to the 12V battery and select ECM 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. Start C-III plus.
3. Wait for the plus VI to be recognized / connected.
 - The serial number will display when the plus VI is recognized / connected.
4. Select **Re/programming, Configuration**.

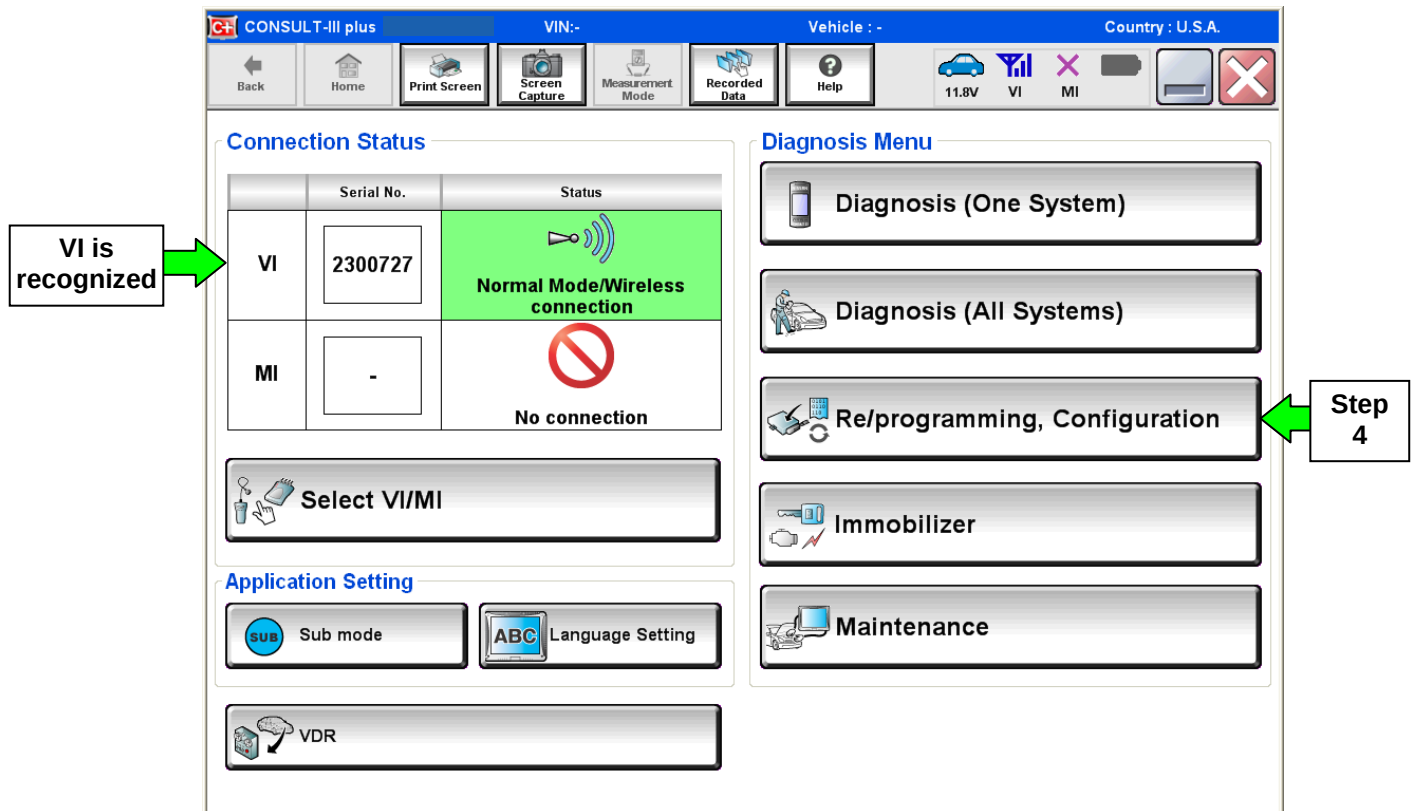


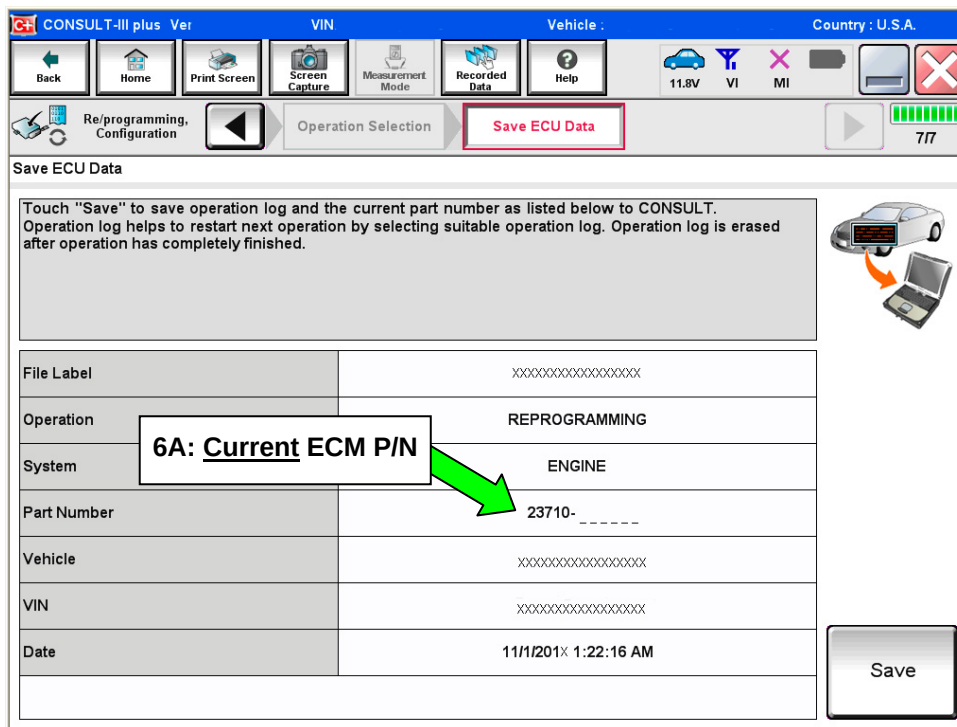
Figure 1

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 this bulletin applies 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).



CONSULT-III plus Ver. VIN Vehicle : Country : U.S.A.

Back Home Print Screen Screen Capture Measurement Mode Recorded Data Help 11.8V VI MI 7/7

Re/programming, Configuration Operation Selection **Save ECU Data**

Save ECU Data

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	XXXXXXXXXXXXXXXXXX
Operation	REPROGRAMMING
System	ENGINE
Part Number	23710- _____
Vehicle	XXXXXXXXXXXXXXXXXX
VIN	XXXXXXXXXXXXXXXXXX
Date	11/1/201X 1:22:16 AM

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. Close C-III plus and refer to ASIST for further diagnostic information.

Table A

MODEL	CURRENT ECM PART NUMBER: 23710-
2013 Armada	9GE4A, 9GE5A, 9GE6A, 9GE7A, 9GE8A, 9GE9A
	9GE4B, 9GE5B, 9GE6B, 9GE7B, 9GE8B, 9GE9B
	9GE4C, 9GE5C, 9GE6C, 9GE7C, 9GE8C, 9GE9C
2014 Armada	9GC2A, 9GC3A, 9GC4A
	9GC2B, 9GC3B, 9GC4B
	9GF2A, 9GF3A, 9GF4A
	9GF2B, 9GF3B, 9GF4B
2015 Armada	9GG0A, 9GG1A, 9GG2A, 9GG3A, 9GG4A, 9GG5A
2013 Titan	9FM0A, 9FM1A, 9FM2A, 9FM3A, 9FM4A, 9FM5A, 9FM6A, 9FM7A, 9FM8A, 9FM9A
	9FM0B, 9FM1B, 9FM2B, 9FM3B, 9FM4B, 9FM5B, 9FM6B, 9FM7B, 9FM8B, 9FM9B
	9FM0C, 9FM1C, 9FM2C, 9FM3C, 9FM4C, 9FM5C, 9FM6C, 9FM7C, 9FM8C, 9FM9C
	9GE0A, 9GE1A, 9GE2A, 9GE3A
	9GE0B, 9GE1B, 9GE2B, 9GE3B
	9GE0C, 9GE1C, 9GE2C, 9GE3C
	9FN0A, 9FN1A, 9FN2A, 9FN3A, 9FN4A, 9FN5A, 9FN6A, 9FN7A, 9FN8A, 9FN9A
	9FN0B, 9FN1B, 9FN2B, 9FN3B, 9FN4B, 9FN5B, 9FN6B, 9FN7B, 9FN8B, 9FN9B
2014 Titan	9FN0C, 9FN1C, 9FN2C, 9FN3C, 9FN4C, 9FN5C, 9FN6C, 9FN7C, 9FN8C, 9FN9C
	9FH0A, 9FH1A, 9FH2A, 9FH3A, 9FH4A, 9FH5A, 9FH6A, 9FH7A, 9FH8A, 9FH9A
	9FH0B, 9FH1B, 9FH2B, 9FH3B, 9FH4B, 9FH5B, 9FH6B, 9FH7B, 9FH8B, 9FH9B
	9FP0A, 9FP1A, 9FP2A, 9FP3A, 9FP4A, 9FP5A, 9FP6A, 9FP7A, 9FP8A, 9FP9A
	9FP0B, 9FP1B, 9FP2B, 9FP3B, 9FP4B, 9FP5B, 9FP6B, 9FP7B, 9FP8B, 9FP9B
	9GC0A, 9GC1A
	9GC0B, 9GC1B
	9GF0A, 9GF1A
2015 Titan	9GF0B, 9GF1B
	9FL0A, 9FL1A, 9FL2A, 9FL3A, 9FL4A, 9FL5A, 9FL6A, 9FL7A
	9FR0A, 9FR1A, 9FR2A, 9FR3A, 9FR4A, 9FR5A, 9FR6A, 9FR7A, 9FR8A, 9FR9A

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 NTBXX-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 refer back to ASIST for further diagnosis.

IMPORTANT: If C-III plus locks up or freezes at this point or displays “cannot complete reprogramming, CONSULT PC is set up with User Rights. Reprogramming can be completed with Administrator log in”, the TOUGHBOOK settings need to be changed so that Users have full access rights. See your Dealership’s IT System Administrator for details.

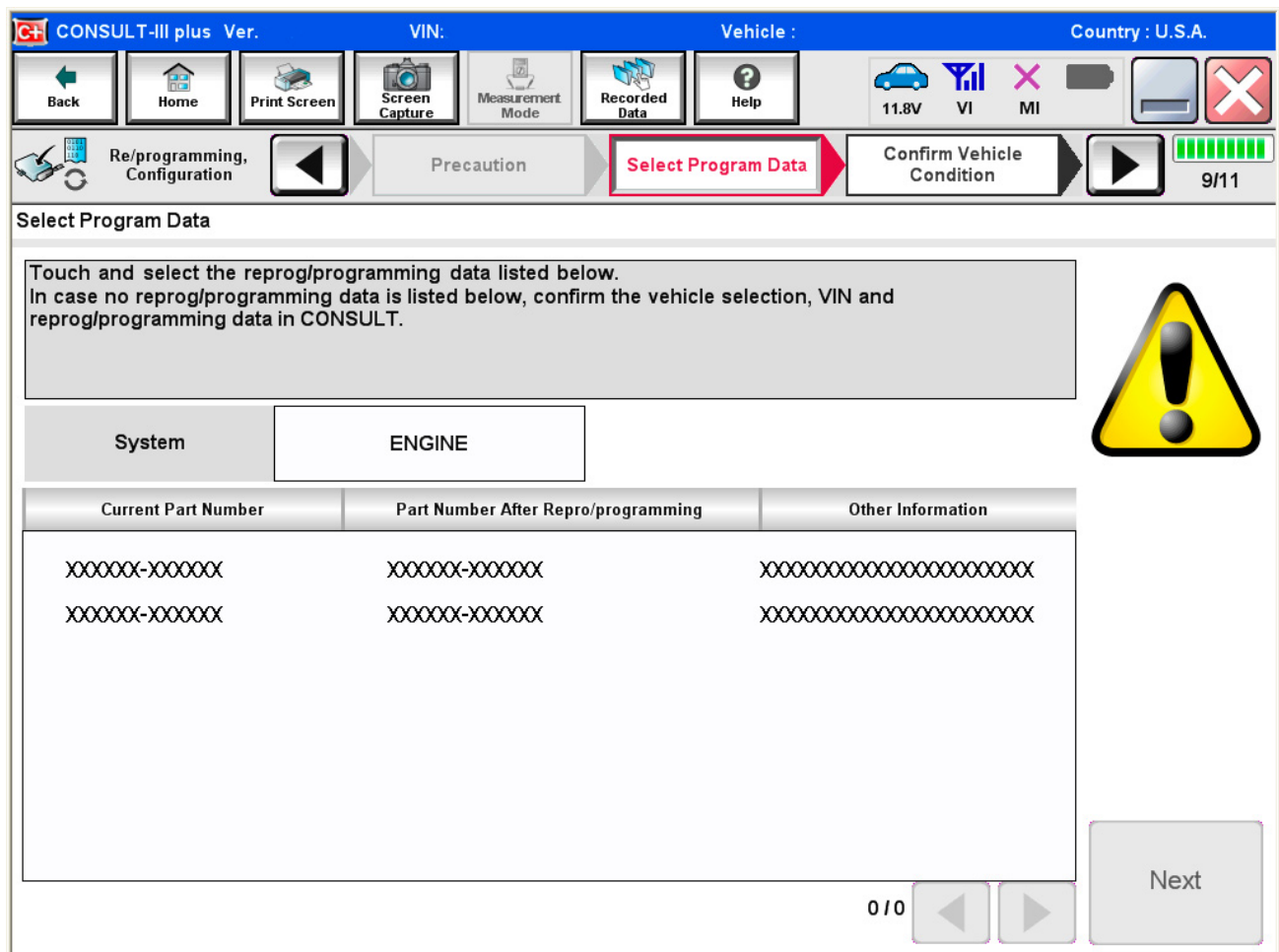


Figure 3

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 page 8.

9. Disconnect the battery charger from the vehicle.

10. Select **Next**.

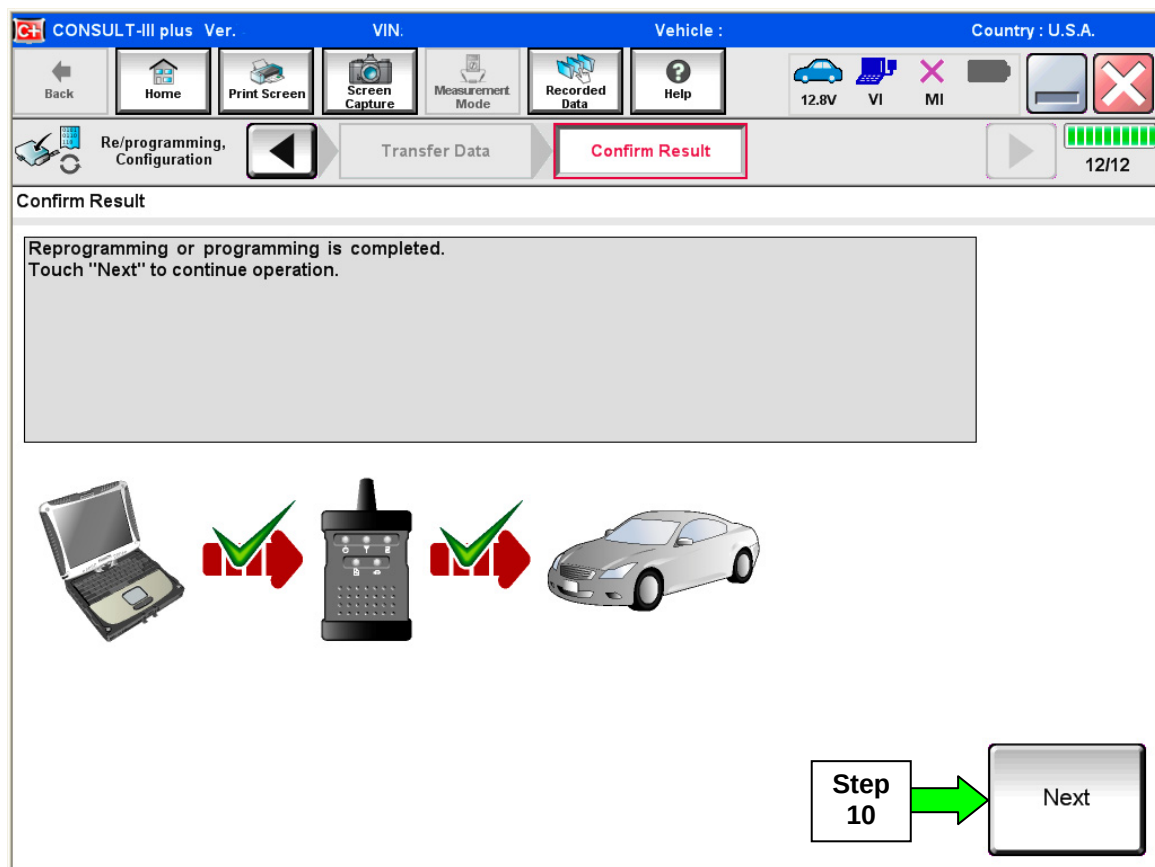


Figure 4

NOTE:

- In the next steps, starting on 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.

ECM recovery:

Do not disconnect plus VI or shut down Consult III plus if reprogramming does not complete.

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

- Check battery voltage (12.0–15.5 V).
- Ignition is ON, engine OFF.
- External Bluetooth® devices are OFF.
- All electrical loads are OFF.
- **Select retry and follow the on screen instructions.**
- “Retry” may not go through on first attempt and can be selected more than once.

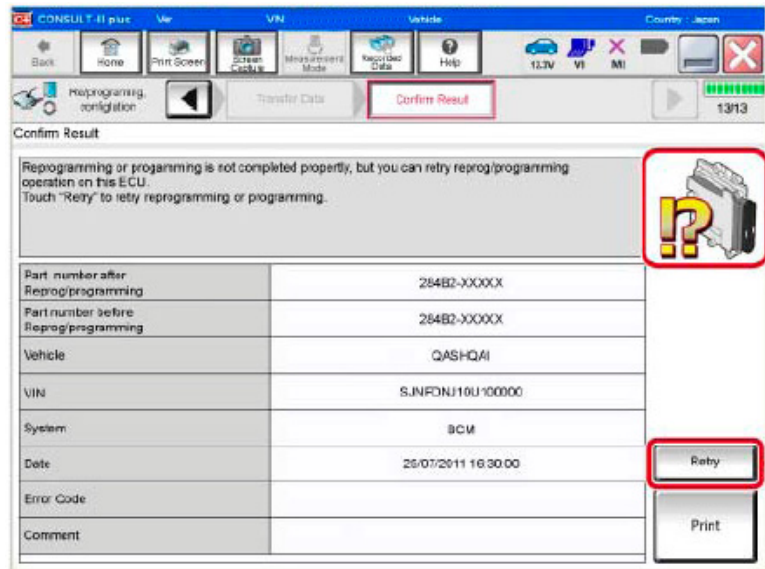


Figure 5

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

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

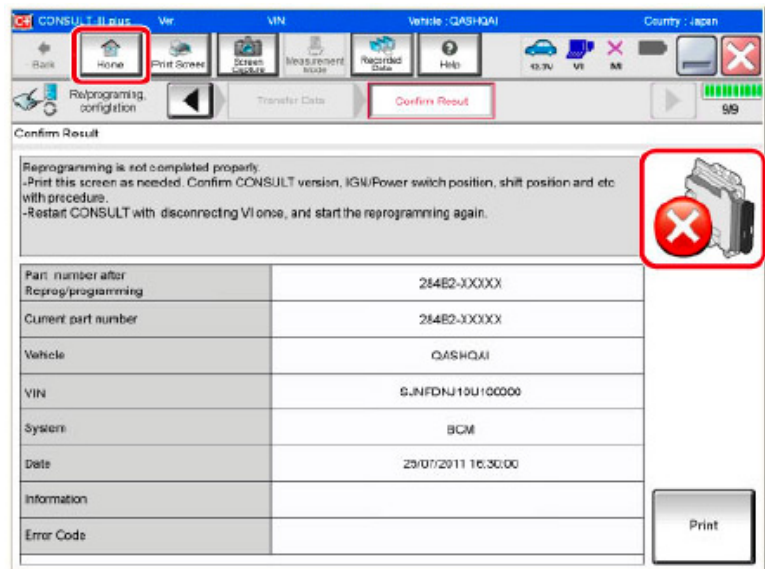


Figure 6

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 ESM for specific conditions required for the vehicle you are working on.**
 - o Engine coolant temperature: 70 -100° C (158 -212°F)
 - o Battery voltage: More than 12.9V (At idle)
 - o Selector lever: P or N
 - o Electric load switch: OFF (Air conditioner, headlamp, rear window defogger)
 - o Steering wheel: Neutral (Straight-ahead position)
 - o Vehicle speed: Stopped
 - o 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**.

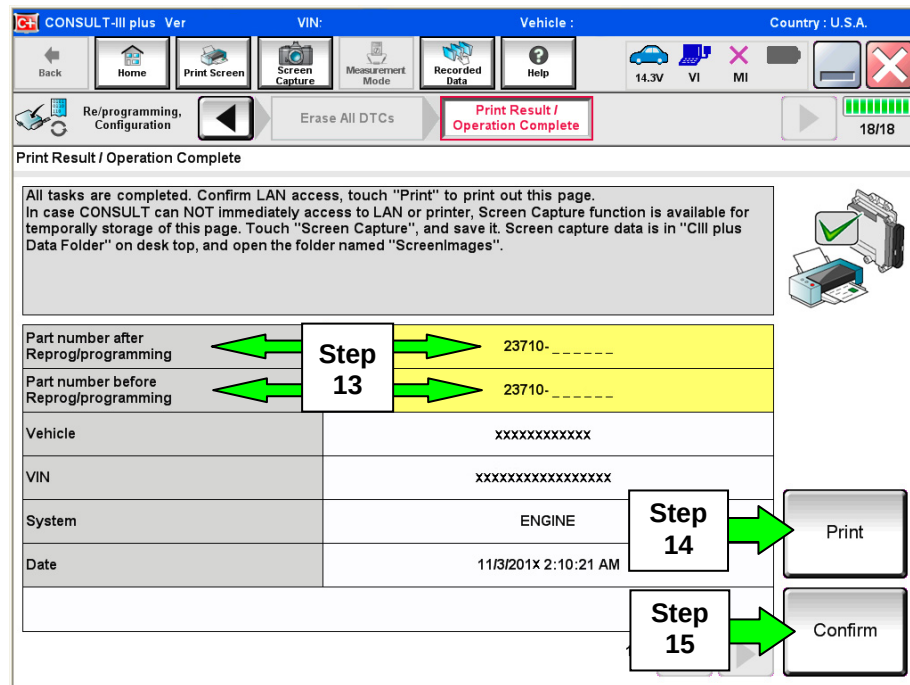


Figure 7

16. Close C-III plus.
17. Turn the ignition OFF.
18. Disconnect the plus VI from the vehicle.

CLAIMS INFORMATION

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

DESCRIPTION	OP CODE	PFP	SYM	DIAG	FRT
Reprogram Engine Control Module - ECM	DE97AA	(1)	ZE	32	(2)

- (1) Refer to the electronic parts catalog (FAST) and use the ECM assembly part number (23710-*****) as the Primary Part (PFP).
- (2) Reference the current Nissan Warranty Flat Rate Manual and use the indicated flat rate time.

