



SERVICE BULLETIN

Classification:

EC16-009

Reference:

NTB16-031

Date:

March 23, 2016

2013-2016 ALTIMA WITH QR25DE ENGINE; MIL ON WITH DTC P0116

APPLIED VEHICLE: 2013-2016 Altima (L33)

APPLIED ENGINE: QR25DE

IF YOU CONFIRM

The MIL is ON with P0116 Engine Coolant Temperature (ECT SENSOR) stored,

and

There are no drivability issues.

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.

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

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



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. The above conditions are required for the IAVL to complete

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.
 - The serial number will display when the plus VI is recognized.
4. Select **Re/programming, Configuration**.

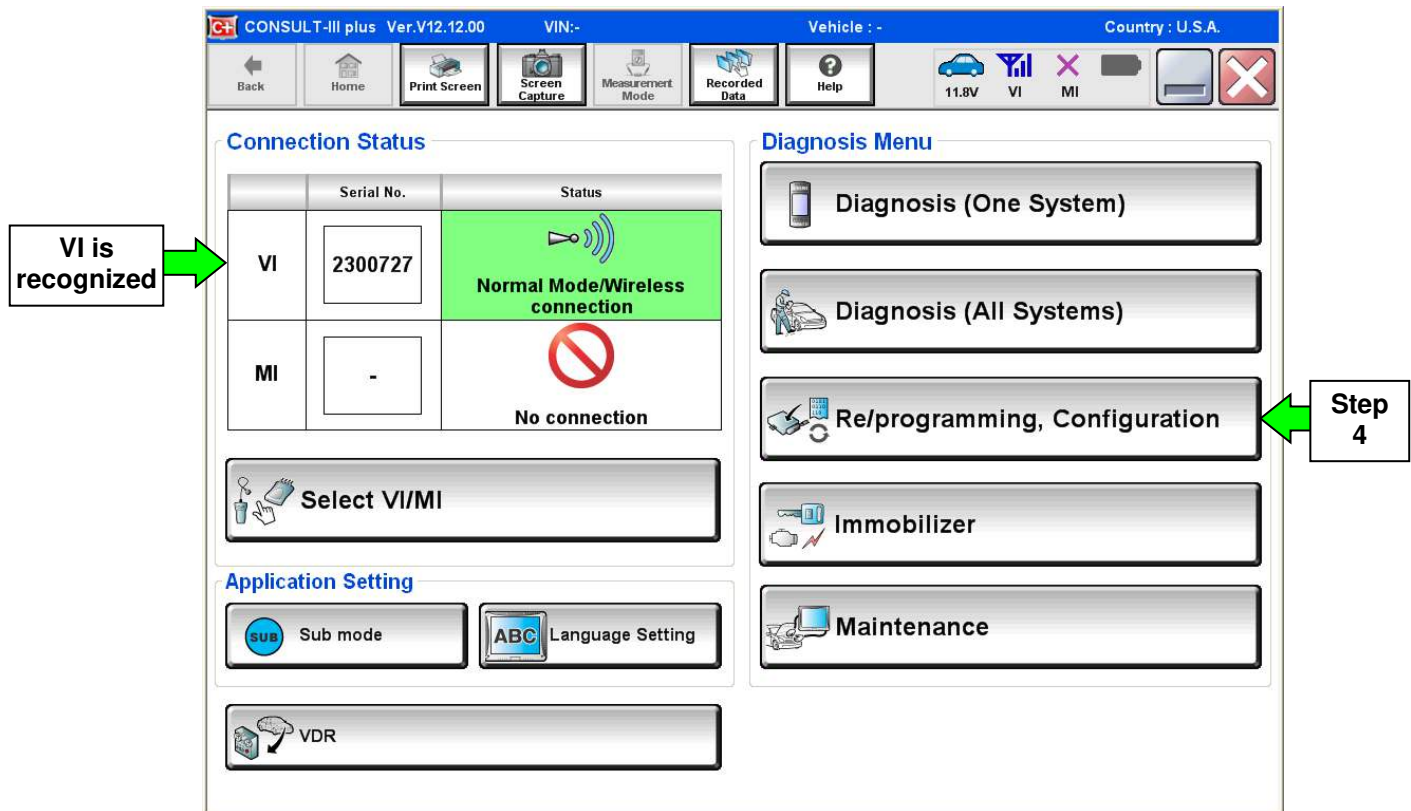


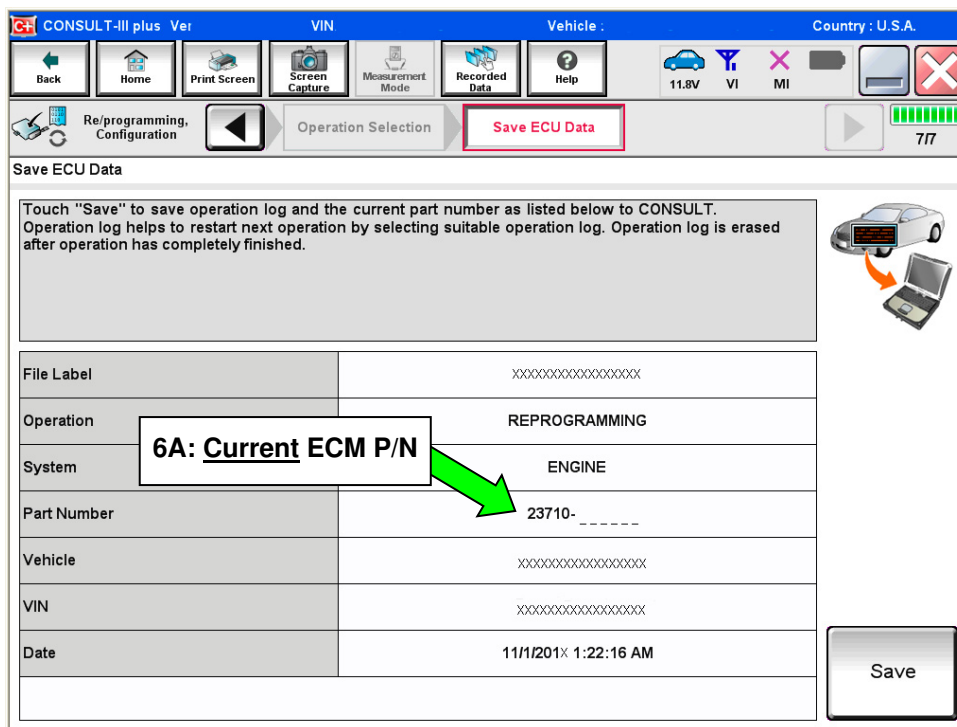
Figure 1

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

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

Re/programming, Configuration Operation Selection **Save ECU Data** 7/7

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	XXXXXXXXXXXXXXXXXXXX
Operation	REPROGRAMMING
System	ENGINE
Part Number	23710- _____
Vehicle	XXXXXXXXXXXXXXXXXXXX
VIN	XXXXXXXXXXXXXXXXXXXX
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 the next page.

- 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 Altima w/QR25DE engine	3TA6A, 3TA6B, 3TA6C, 3TA6D
	3TA7A, 3TA7B, 3TA7C, 3TA7D
	3TA8A, 3TA8B, 3TA8C, 3TA8D
	3TY6A, 3TY6B, 3TY6C, 3TY6D
	3TY7A, 3TY7B, 3TY7C, 3TY7D
	3TY8A, 3TY8B, 3TY8C, 3TY8D
	3TA0A, 3TA0B, 3TA0C
	3TA1B, 3TA1C, 3TA1D
	3TY0A, 3TY0B, 3TY0C
	3TY1A, 3TY1B, 3TY1C
2014 Altima w/QR25DE engine	9HM3A, 9HM3B, 9HM3C
	9HM4A, 9HM4B, 9HM4C
	9HM5A, 9HM5B, 9HM5C
	9HM6A, 9HM6B, 9HM6C
	9HM7A, 9HM7B, 9HM7C
	9HM8A, 9HM8B, 9HM8C
2015 Altima w/QR25DE engine	9HP0A, 9HP0B, 9HP0C, 9HP0D
	9HP1A, 9HP1B, 9HP1C, 9HP1D
	9HP2A, 9HP2B, 9HP2C, 9HP2D
	9HP3A, 9HP3B, 9HP3C, 9HP3D, 9HP3E
	9HP4A, 9HP4B, 9HP4C, 9HP4D, 9HP4E
	9HP5A, 9HP5B, 9HP5C, 9HP5D, 9HP5E
2016 Altima w/QR25DE engine	9HN4A, 9HN5A, 9HN6A, 9HN7A, 9HN8A
	3TY2A, 3TY3A, 3TY4A, 3TY5A, 3TY9A

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.
 - If more than one new P/N is available, 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.

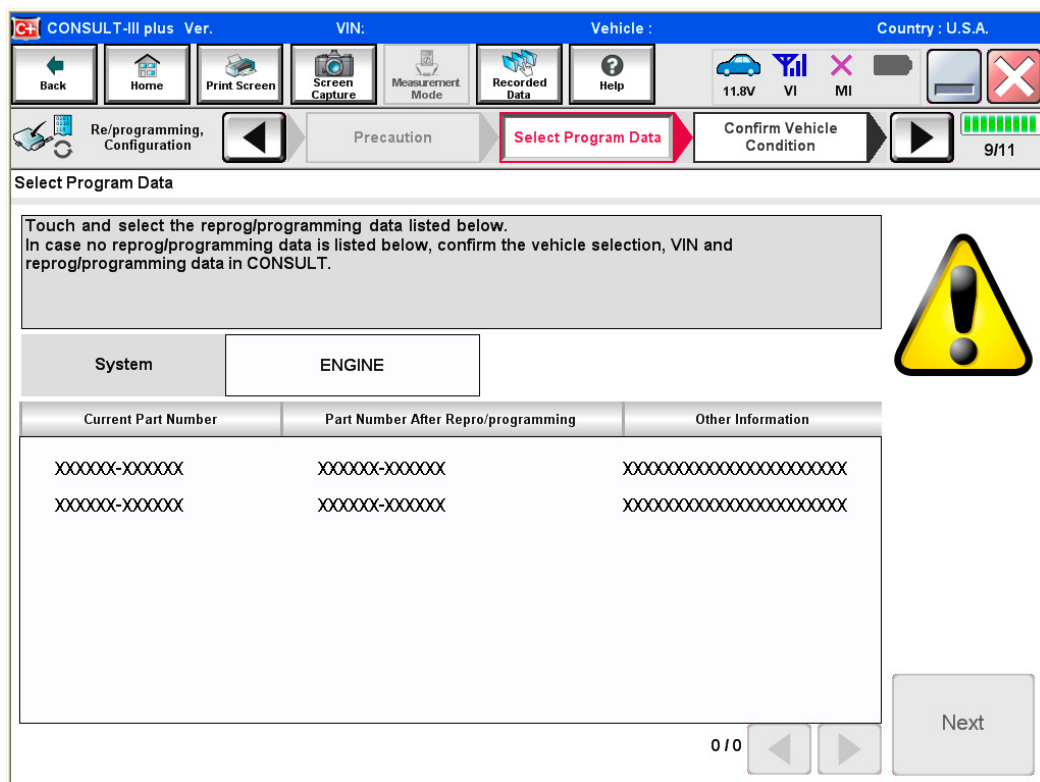


Figure 3

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

NOTE: If the screen in Figure 4 does not display (indicating that reprogramming did not complete), refer to the information on page 8.

9. Disconnect the battery charger from the vehicle.

10. Select **Next**.

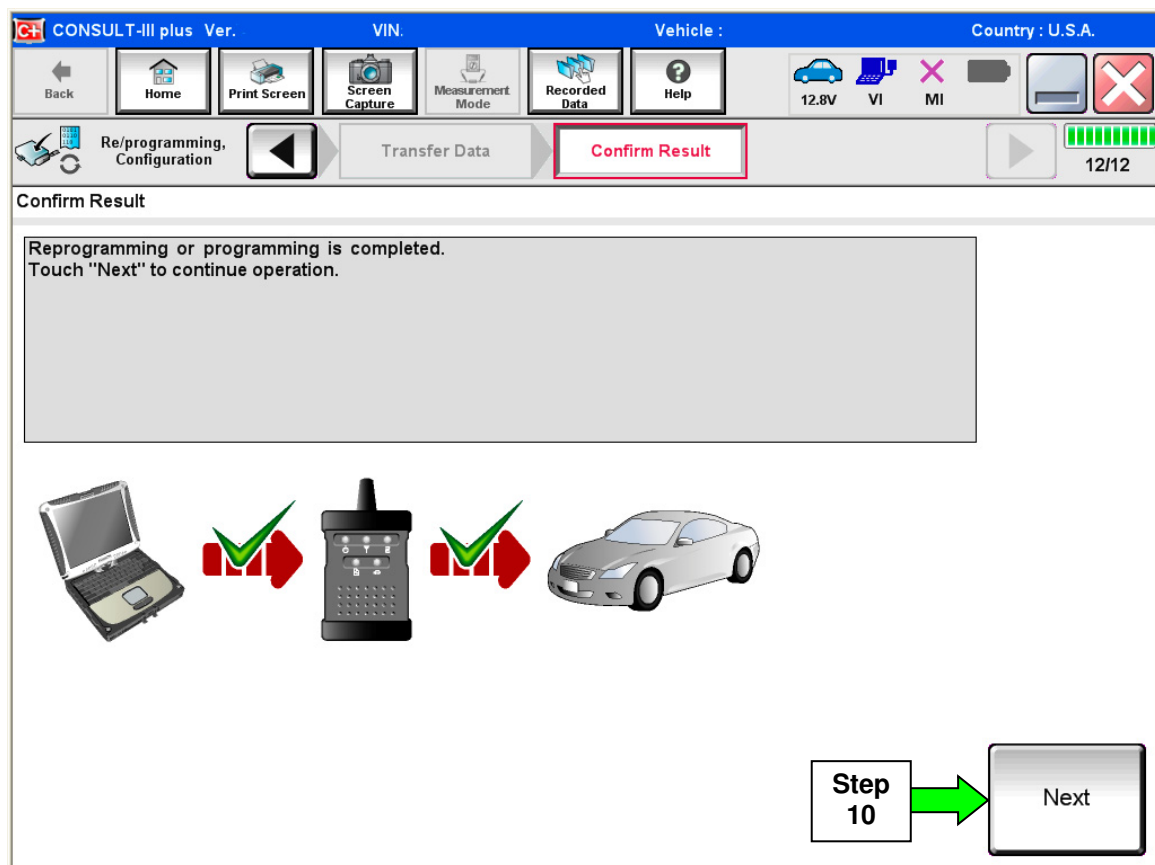


Figure 4

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.

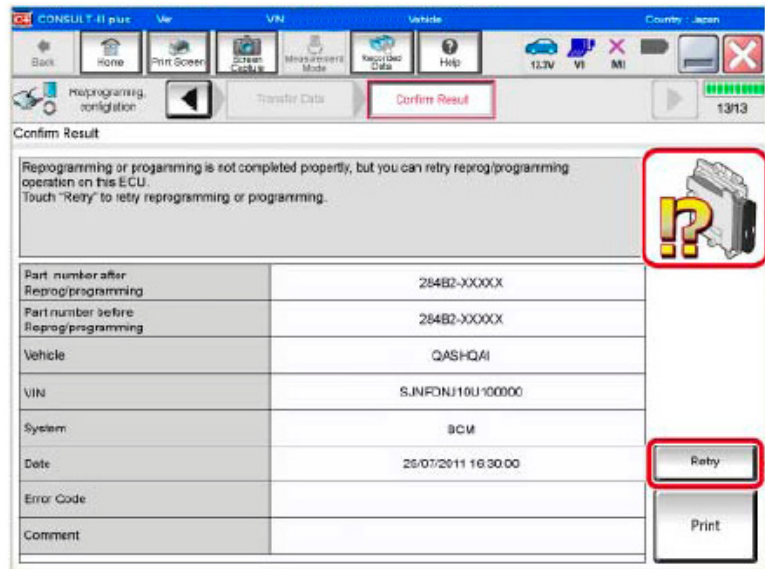


Figure 5

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.**

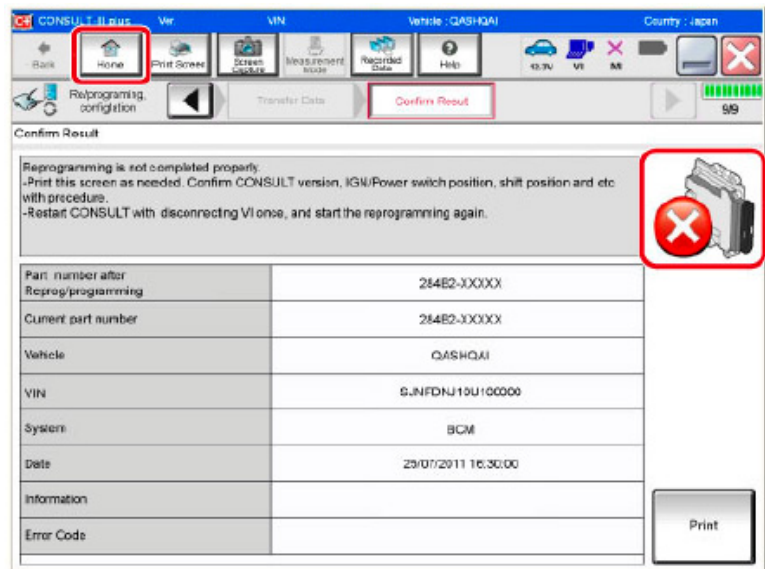


Figure 6

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 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**.

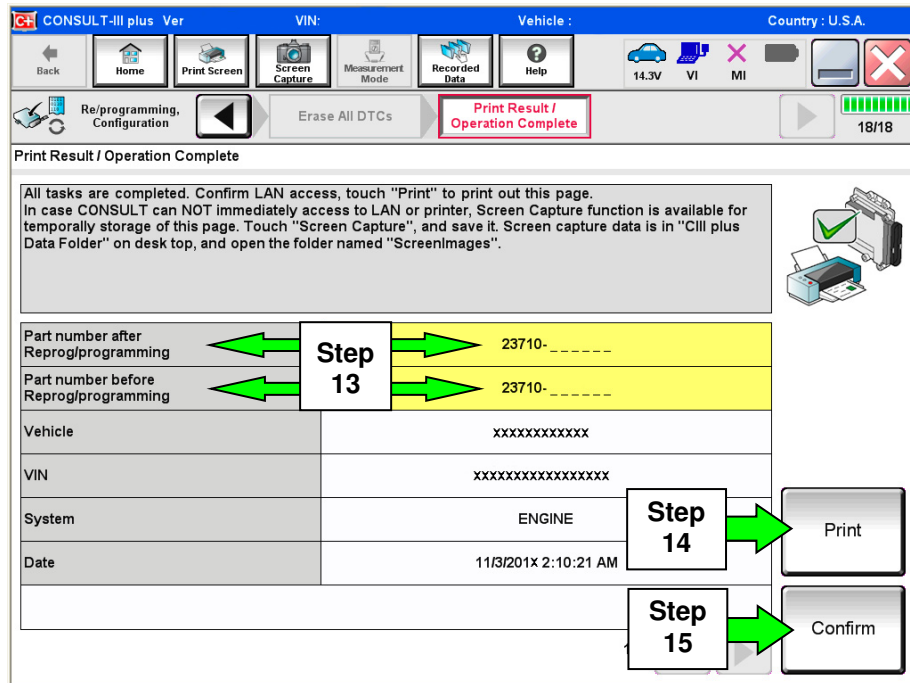


Figure 7

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

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 as the Primary Failed Part (PFP).
- (2) Reference the Nissan Online Warranty Flat Rate Manual and use the indicated flat rate time.