



SERVICE CAMPAIGN BULLETIN

Reference:

NTB17-002

Date:

January 19, 2017

VOLUNTARY EMISSIONS SERVICE CAMPAIGN 2016-2017 ALTIMA ENGINE CONTROL MODULE REPROGRAM

CAMPAIGN ID #: PC514

APPLIED VEHICLES: 2016-2017 Altima (L33) **QR25 engine only**

Check Service Comm to confirm campaign eligibility.

INTRODUCTION

Nissan is conducting a Voluntary Emissions Service Campaign on certain specific model year 2016 – 2017 Altima vehicles to reprogram the Engine Control Module (ECM). The reprogram will affect the operation of the grille shutters and will reduce under hood temperatures which, if not reprogrammed, could lead to a false Malfunction Indicator Lamp in some circumstances. The ECM will be reprogrammed at no charge to customers for parts or labor.

IDENTIFICATION NUMBER

Nissan has assigned identification number PC514 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, Nissan strongly encourages dealers to correct any used vehicles in their inventory before they are retailed.

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.

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 -105°C (158 - 221°F)
 - Battery voltage: More than 12.9V (At idle)
 - Transmission: Warmed up



Figure 1

NOTE:

- After ECM reprogramming is complete, you will be required to perform Throttle Valve Closed Position, Idle Air Volume Learn (IAVL), and Accelerator Closed Position.
- 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.

*The GR8 **must** be used for this procedure.

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**.

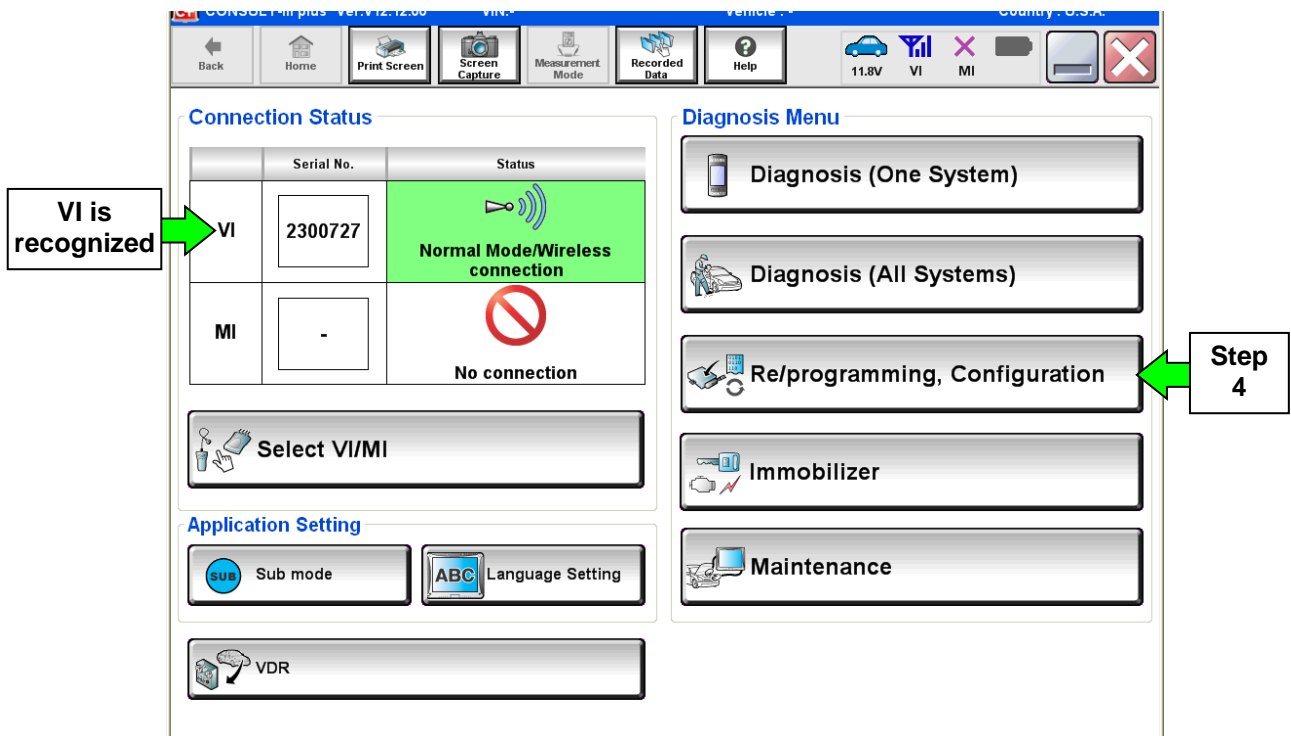


Figure 2

5. Follow the on-screen instructions and navigate the C-III plus to the screen shown in Figure 3 on the next page.

6. When you get to the screen shown in Figure 3, 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).

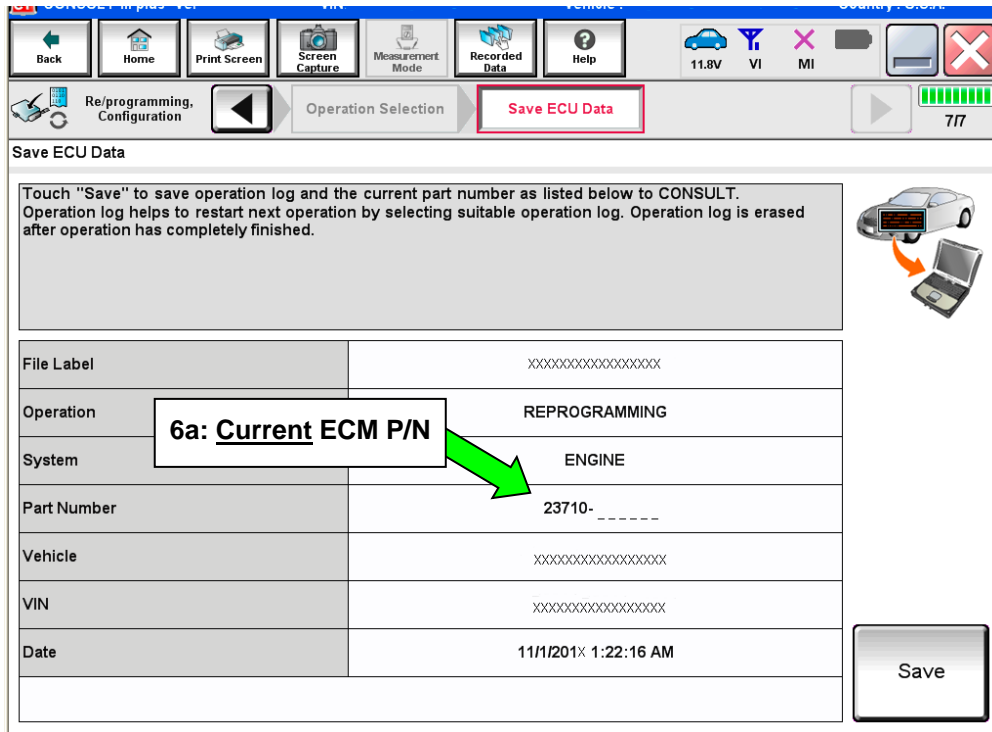


Figure 3

- 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, continue with the reprogramming procedure. Proceed to step 7.
 - If there is not a match, reprogramming is not needed. Proceed to **CLAIMS INFORMATION** section for “Does Not Require Reprogram”.

Table A

MODEL	CURRENT ECM PART NUMBER: 23710-
2016 Altima with QR25DE	9HN4A, 9HN4B, 9HN4C, 9HN4D, 9HN4E
	9HN5A, 9HN5B, 9HN5C, 9HN5D, 9HN5E
	9HN6A, 9HN6B, 9HN6C, 9HN6D, 9HN6E
	9HN7A, 9HN7B, 9HN7C, 9HN7D, 9HN7E
	9HN8A, 9HN8B, 9HN8C, 9HN8D, 9HN8E
	3TY2A, 3TY2B, 3TY2C, 3TY2D, 3TY2E
	3TY3A, 3TY3B, 3TY3C, 3TY3D, 3TY3E
	3TY4A, 3TY4B, 3TY4C, 3TY4D, 3TY4E
	3TY5A, 3TY5B, 3TY5C, 3TY5D, 3TY5E
	3TY9A, 3TY9B, 3TY9C, 3TY9D, 3TY9E
2017 Altima with QR25DE	9HL0A, 9HL0B
	9HL1A, 9HL1B
	9HL2A, 9HL2B
	9HL3A, 9HL3B
	9HL4A, 9HL4B

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 4 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.

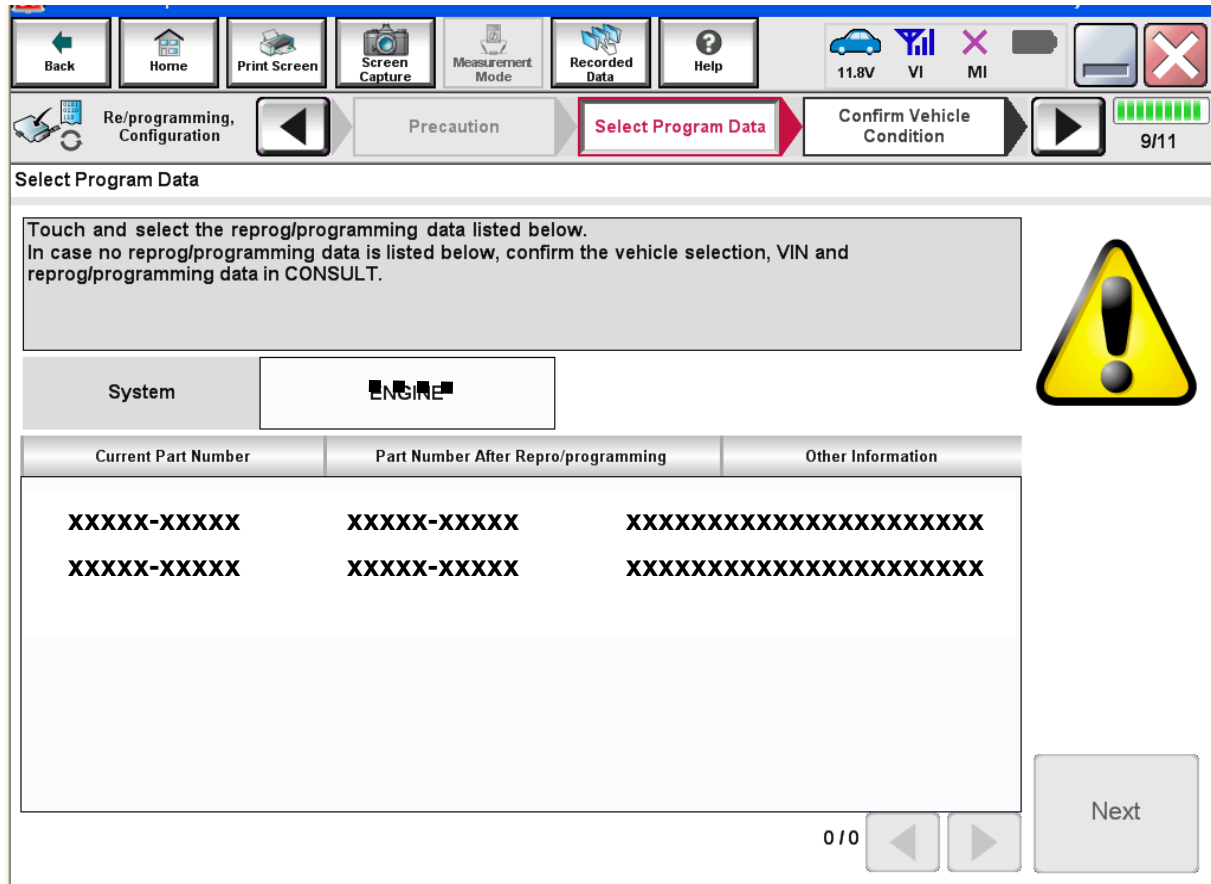


Figure 4

8. When the screen in Figure 5 displays, reprogramming is complete.

NOTE: If the screen in Figure 5 does not display (indicating that reprogramming did not complete), refer to the information on the next page.

9. Disconnect the battery charger from the vehicle.

10. Select **Next**.

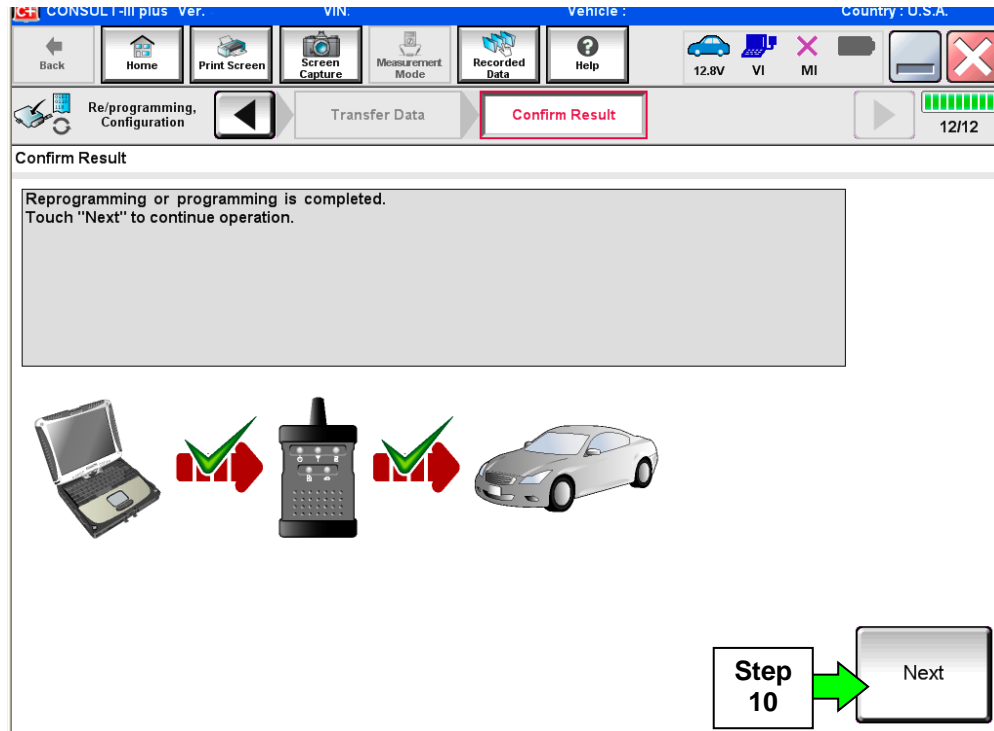


Figure 5

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 6:

- 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.

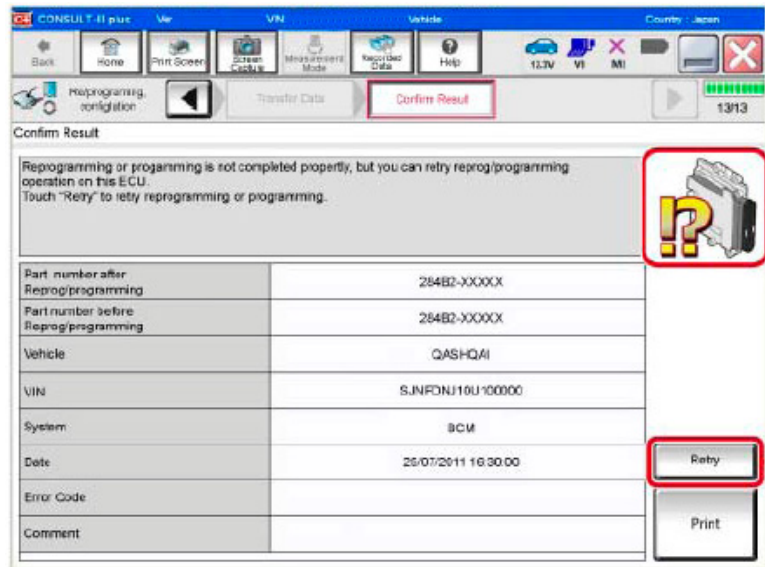


Figure 6

If reprogramming does not complete and the “X” icon displays as shown in Figure 7:

- 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.**

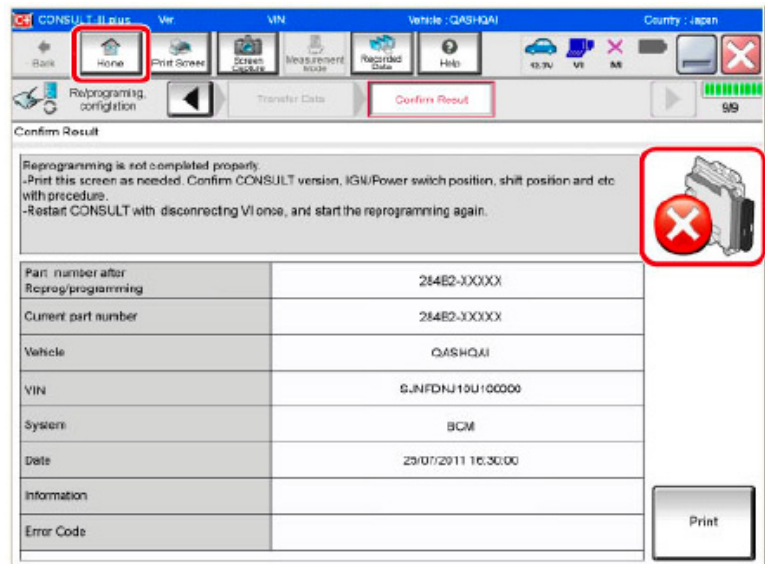


Figure 7

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 -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
-
- **Accelerator Pedal Close Position Learning**
-
- **Erase DTCs**

Continue to the next page.

12. When the entire reprogramming process is complete, the screen in Figure 8 will display.

13. Verify the before and after part numbers are different.

14. Print a copy of this screen (Figure 8) and attach it to the repair order for warranty documentation.

15. Select **Confirm**.

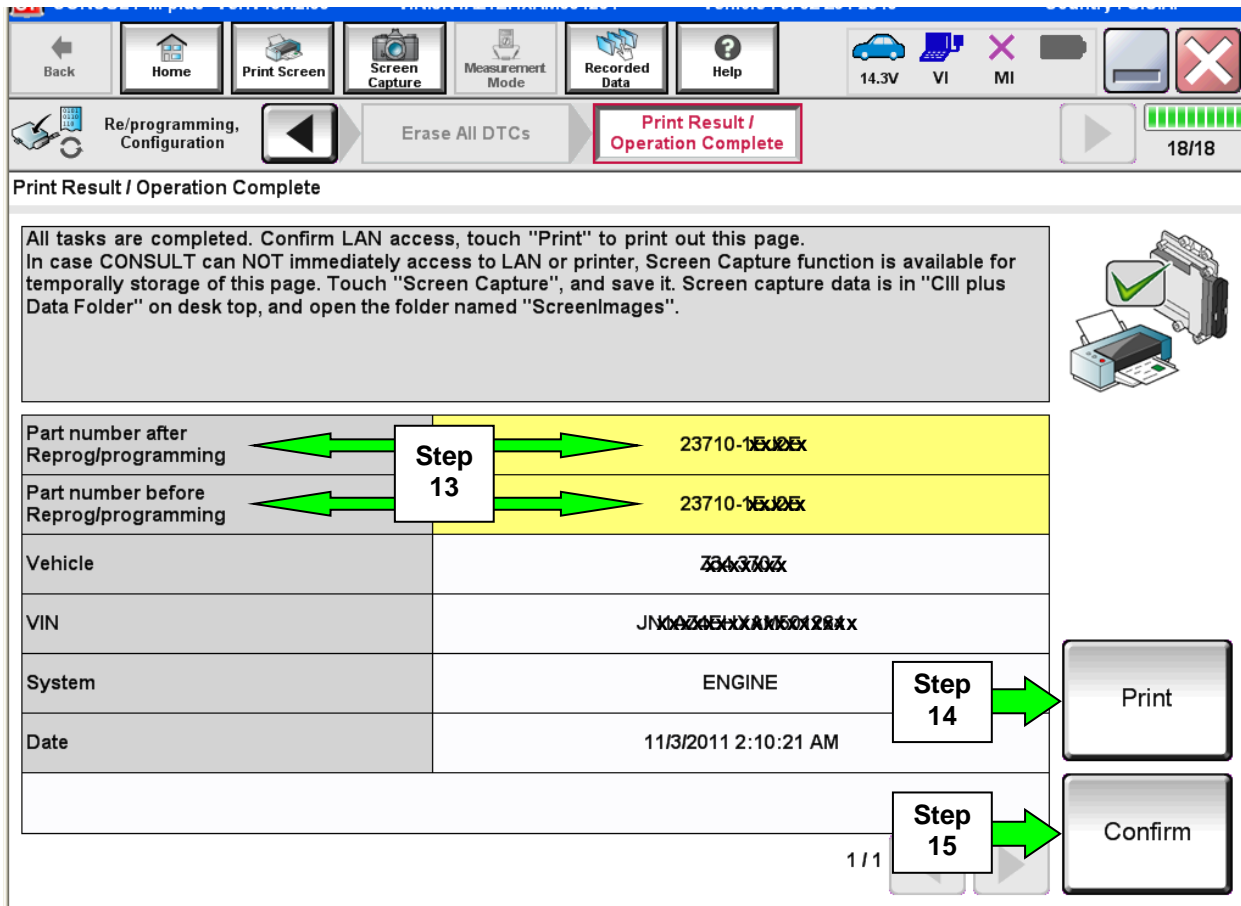


Figure 8

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 back to ASIST for further diagnostic information.
- Diagnosis and repairs beyond ECM reprogramming are not covered by this bulletin.

CLAIMS INFORMATION

Submit a Campaign (CM) line claim using the following claims coding:

CAMPAIGN ("CM") ID	DESCRIPTION	OP CODE	FRT
PC514	Reprogram ECM	PC5140	0.5 hrs.
	Does Not Require Reprogram	PC5141	0.3 hrs.