



RECALL CAMPAIGN BULLETIN

Reference:

NTB16-073

Date:

July 28, 2016

VOLUNTARY EMISSIONS RECALL CAMPAIGN ECM REPROGRAMMING

CAMPAIGN ID #: R1620

APPLIED VEHICLES: 2015-2016 Altima (L33) – VQ35DE engine only
2015-2016 Juke (F15) – Does not include NISMO RS
2016 Maxima (A36)
2015-2016 Murano (Z52) – Does not include Murano Hybrid
2015-2016 Pathfinder (R52) – Does not include Pathfinder Hybrid
2015-2016 Quest (E52)

Check Service COMM to confirm campaign eligibility.

INTRODUCTION

Nissan is conducting a Voluntary Emission Recall Campaign on certain Model Year 2015-2016 Altima, 2015-2016 Juke, 2016 Maxima, 2015-2016 Murano, 2015-2016 Quest, and 2015-2016 Pathfinder vehicles. Nissan has discovered that these vehicles are equipped with an On-Board Diagnostics (OBD) calibration that, if not repaired, may not detect a rear oxygen (O2) sensor short-to-ground or short-to-battery condition. The ECM (Engine Control Module) will be reprogrammed. This service will be performed at no charge for parts or labor.

IDENTIFICATION NUMBER

Nissan has assigned identification number R1620 to this campaign. This number must appear on all communications 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 emissions 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.

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.

IMPORTANT

Attention California Dealers:

California law prohibits owners from renewing their California registration if emissions related recall work has not been performed. California dealers are now required to issue a proof of correction certificate to vehicle owners upon completion of emission related recall work. Please fill out one of the campaign completion forms for each owner that has this campaign performed. Instruct owners to keep this certificate unless they are requested to mail it to the DMV. A sample of the form is shown below.

Vehicle Emission Recall - Proof of Correction				
License Number	Make	Year Model	Body Type	Vehicle Identification Number <div style="display: flex; justify-content: space-between;"> □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ </div>
Manufacturer _____		Recall Number _____		
The above described vehicle has been repaired, modified and/or equipped with new emission control devices to meet applicable California Emission Control Laws				
Dealer's _____	Address, City, State _____			
_____ Dealership's Authorized				
_____ X				
Return this certificate to DMV <u>only</u> when required - otherwise retain for your records.				

CAEMRC 5-13

Figure A

In addition, an Emission Recall Campaign Completion Label must be filled out and attached to the underside of the vehicle hood. A sample of the label is shown below.

NISSAN MOTOR CORPORATION	
AUTHORIZED MODIFICATIONS	
THE FOLLOWING MODIFICATIONS HAVE BEEN MADE:	
THESE MODIFICATIONS HAVE BEEN APPROVED AS APPROPRIATE BY EPA AND CARB	
DEALER CODE:	DATE:
CHANGE AUTHORITY:	NIS-UHL-16

Figure B

NOTE:

- These forms (item number **CAEMRC-5-13**) and labels (item number **NIS-UHL-16**) are available from Nissan Publications (1-800-247-5321) at no charge.
- When either item (form or label) is ordered, you will automatically receive the other item as well.

SERVICE PROCEDURE

Reprogram the ECM

NOTE:

- Most instructions for reprogramming with CONSULT-III plus (C-III plus) are displayed on the CONSULT PC screen.
- 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 Idle Air Volume Learn. The above condition are required for Idle Air Volume Learn to complete.



Figure 1

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**.

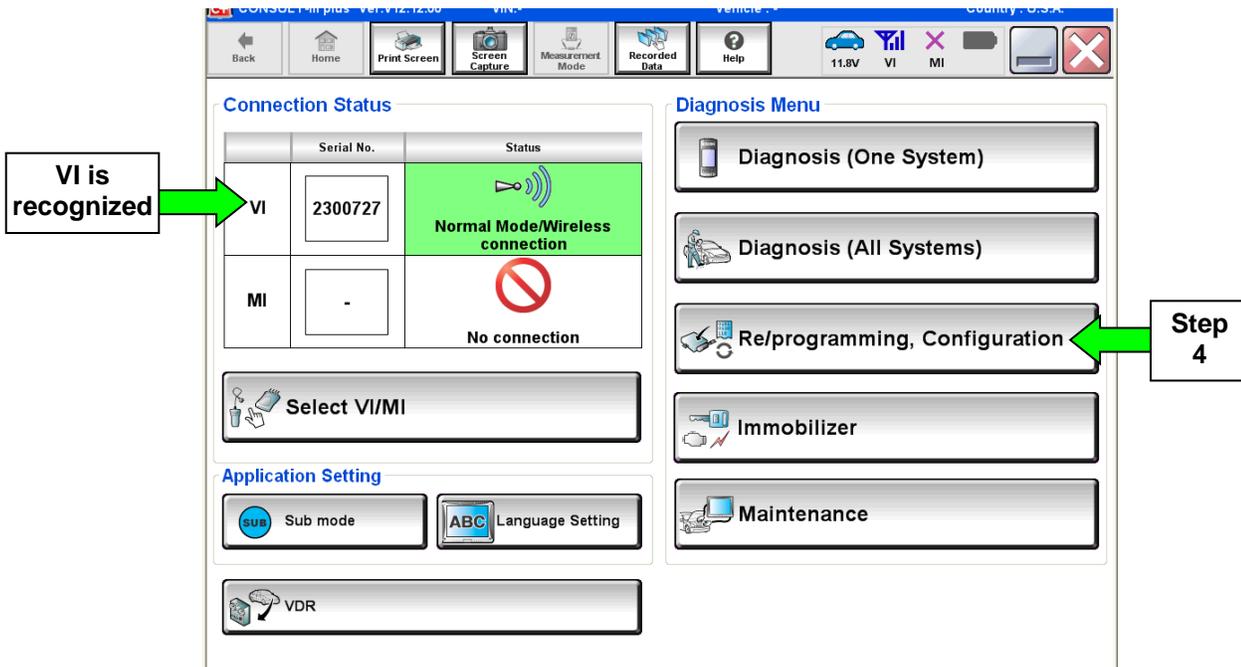


Figure 2

5. Use arrows (if needed) to view and read all precautions.
6. Check the box confirming the precautions have been read.
7. Select **Next**.

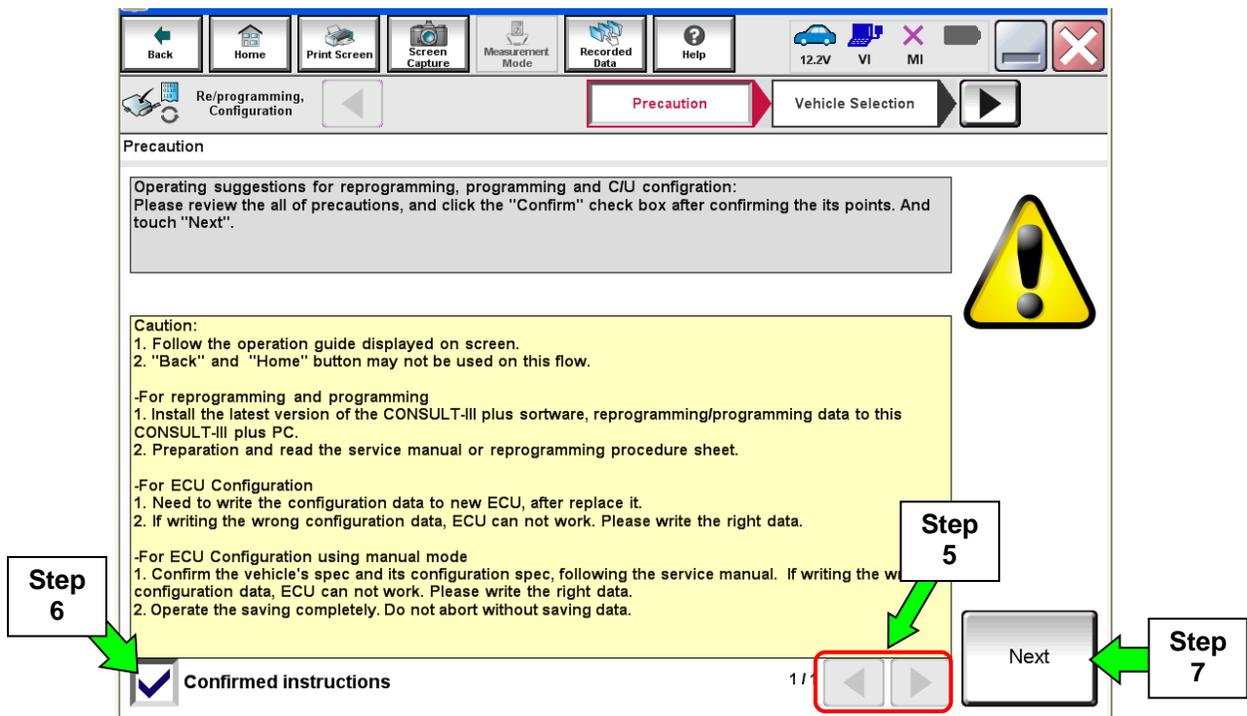


Figure 3

8. Select **Nissan, Vehicle Name**, and then the correct **Model Year**.
 - If the screen in Figure 4 does not display, skip to step 9.

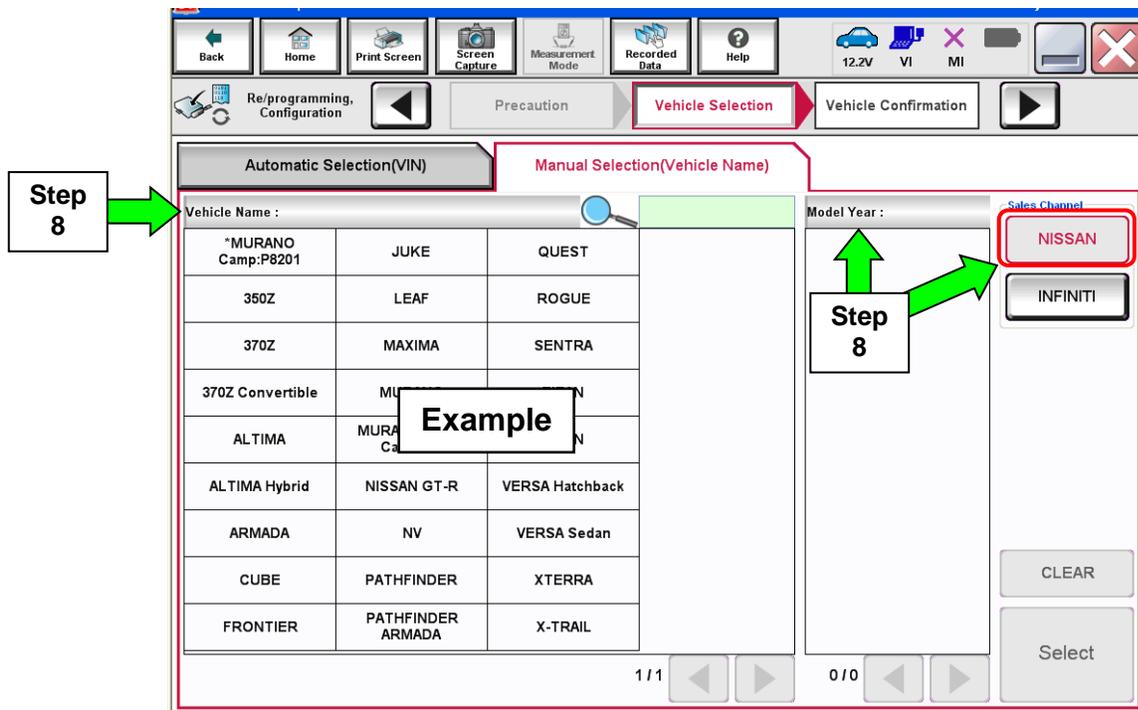


Figure 4

12. Select ENGINE.

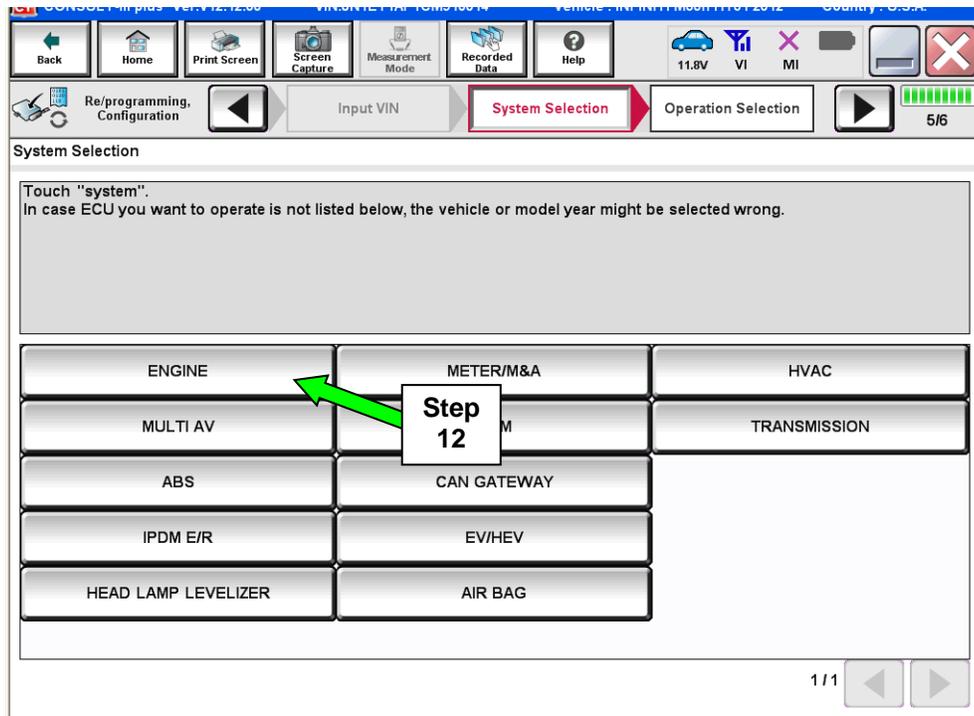


Figure 7

13. Select Reprogramming.

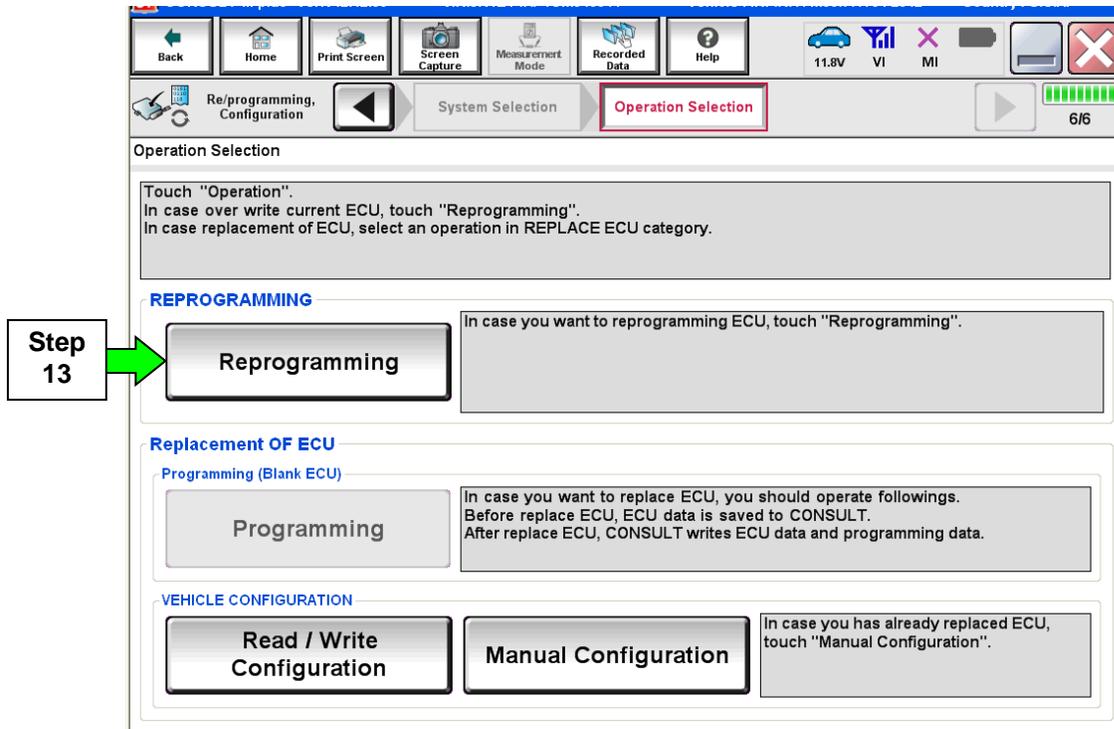


Figure 8

14. When you get to the screen shown in Figure 9, 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).

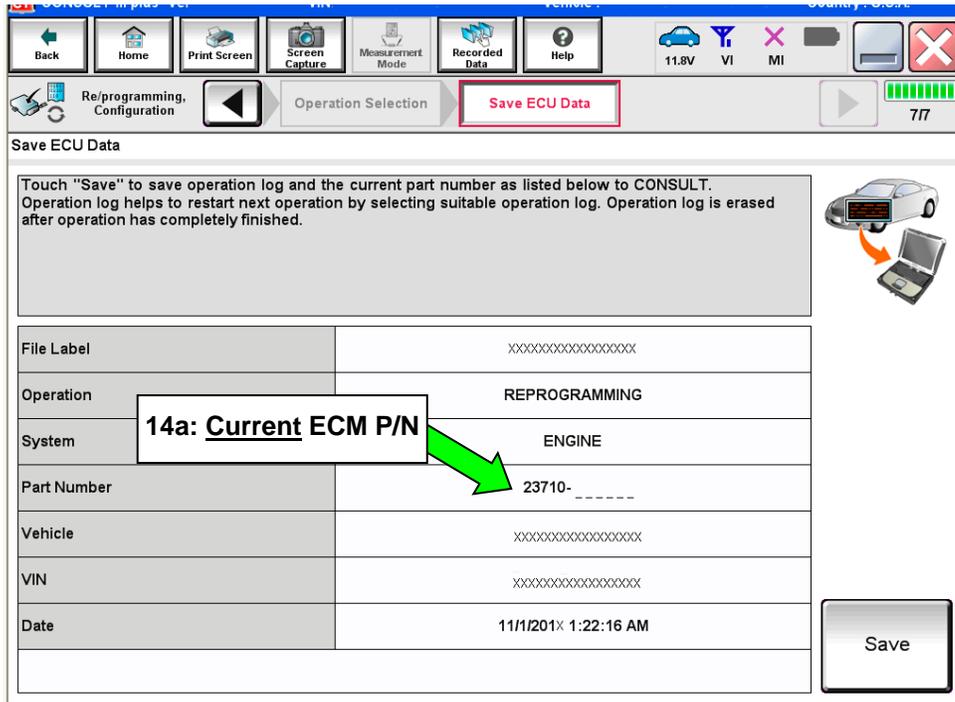


Figure 9

- 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 15.
- 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-
2015-2016 Altima	9HP6A, 9HP6B, 9HP6C 9HP7A, 9HP7B, 9HP7C
2015-2016 Juke	3PT1A, 3PT1B, 3PT1C 3PT2A, 3PT2B, 3PT2C 3PT3A, 3PT3B, 3PT3C 3PT4A, 3PT4B, 3PT4C 3PT5A, 3PT5B, 3PT5C 3PT6A, 3PT6B, 3PT6C 4DT2A, 4DT2B, 4DT2C 4DT3A, 4DT3B, 4DT3C 4DT4A, 4DT4B, 4DT4C 4DT5A, 4DT5B, 4DT5C 4DT0A, 4DT0B, 4DT0C, 4DT0D 4DT1A, 4DT1B, 4DT1C, 4DT1D 3YM4A, 3YM4B, 3YM4C, 3YM4D, 3YM4E 3YM5A, 3YM5B, 3YM5C, 3YM5D, 3YM5E 3YM6A, 3YM6B, 3YM6C, 3YM6D, 3YM6E 3YM7A, 3YM7B, 3YM7C, 3YM7D, 3YM7E 3YM2A, 3YM2B, 3YM2C, 3YM2D, 3YM2E 3YM3A, 3YM3B, 3YM3C, 3YM3D, 3YM3E
2016 Maxima	4RA0A, 4RA1A, 4RA2A 4RA1B, 4RA2B, 4RA0E
2015-2016 Murano	5AA0A, 5AA0B, 5AA0C 5AA3A, 5AA3B, 5AA3C 5AA4A, 5AA4B, 5AA4C 5AA5A, 5AA5B, 5AA5C
2015-2016 Pathfinder	9PB0A, 9PB0B, 9PB0C 9PB1A, 9PB1B, 9PB1C
2015-2016 Quest	4AY0A, 6AX0A

15. Select **Save**.

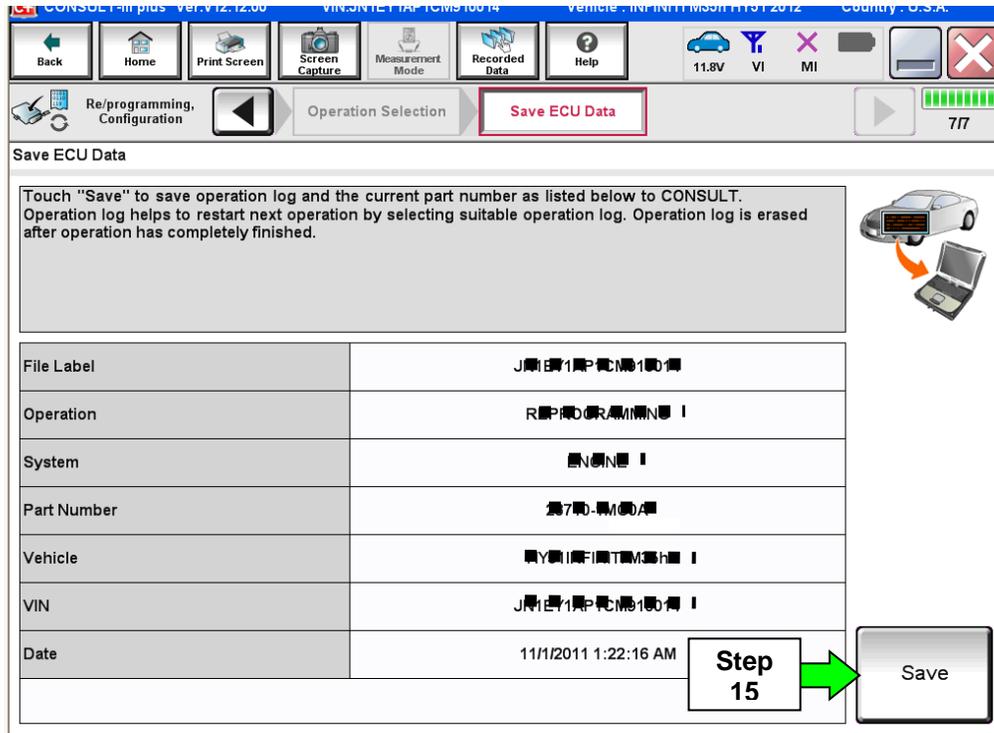


Figure 10

16. Select **Next**.

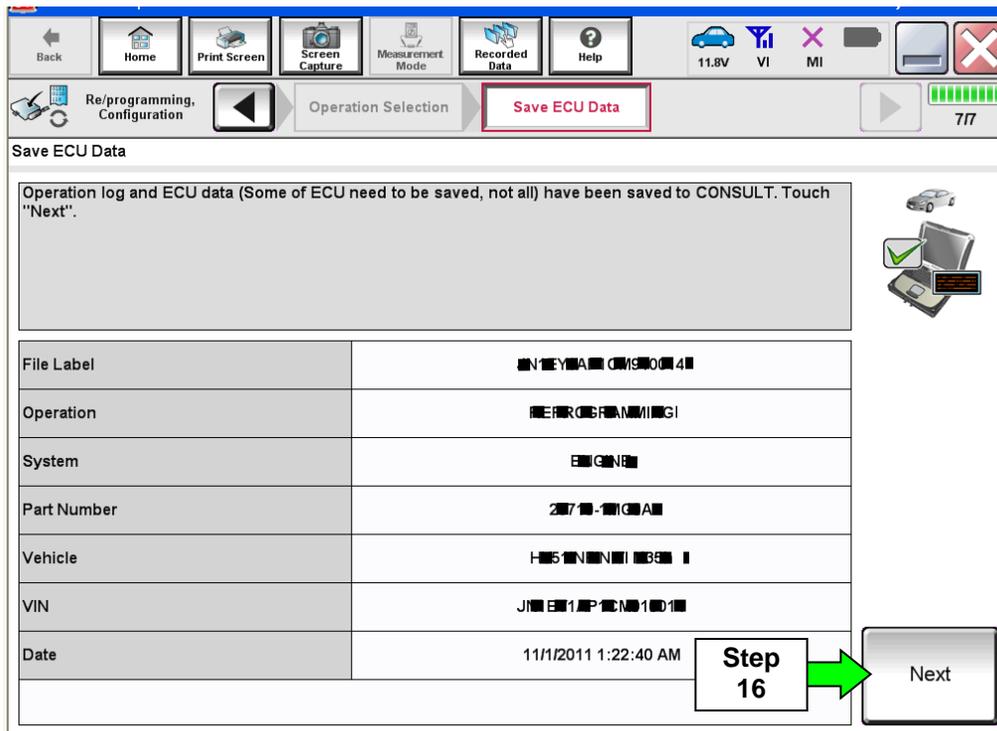


Figure 11

17. Use arrows (if needed) to view and read all precautions.
18. Check the box confirming the precautions have been read.
19. Select **Next**.

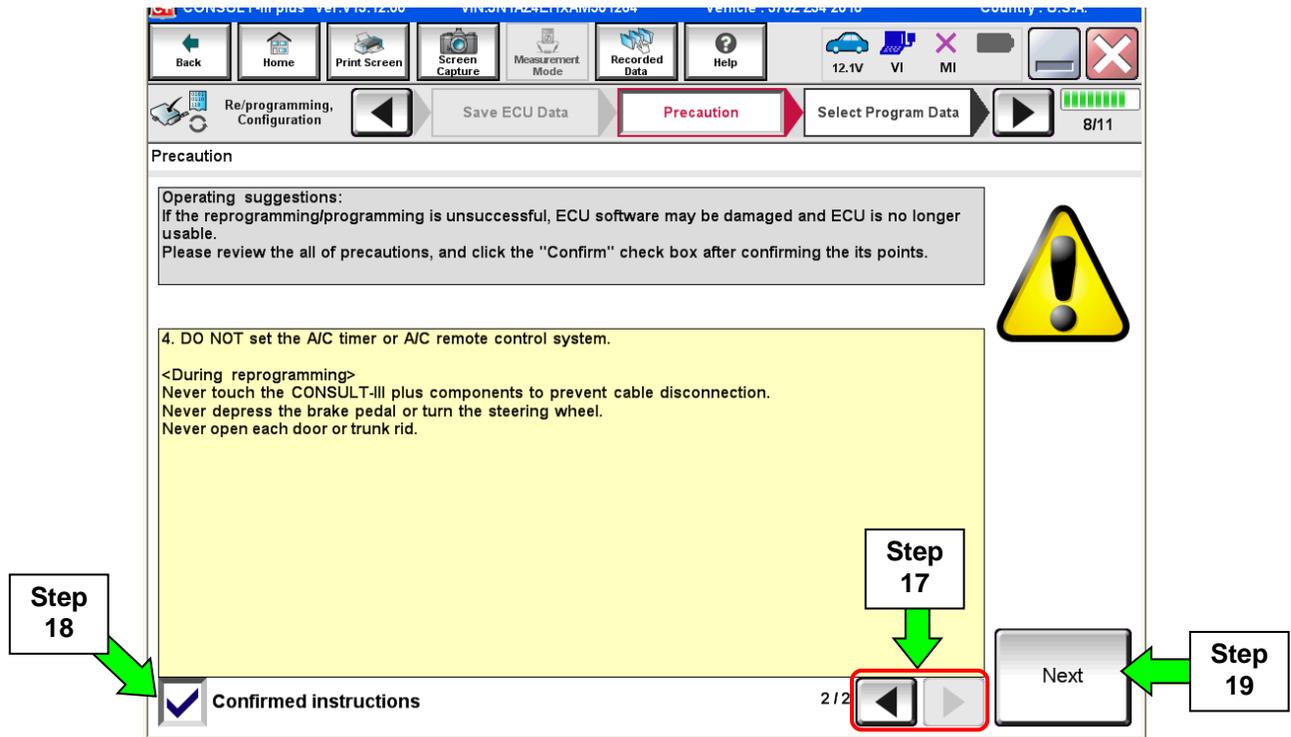


Figure 12

20. Read the **Current Part Number** and **Part Number After Reprogramming**. They should be different.
21. Select **Next**.

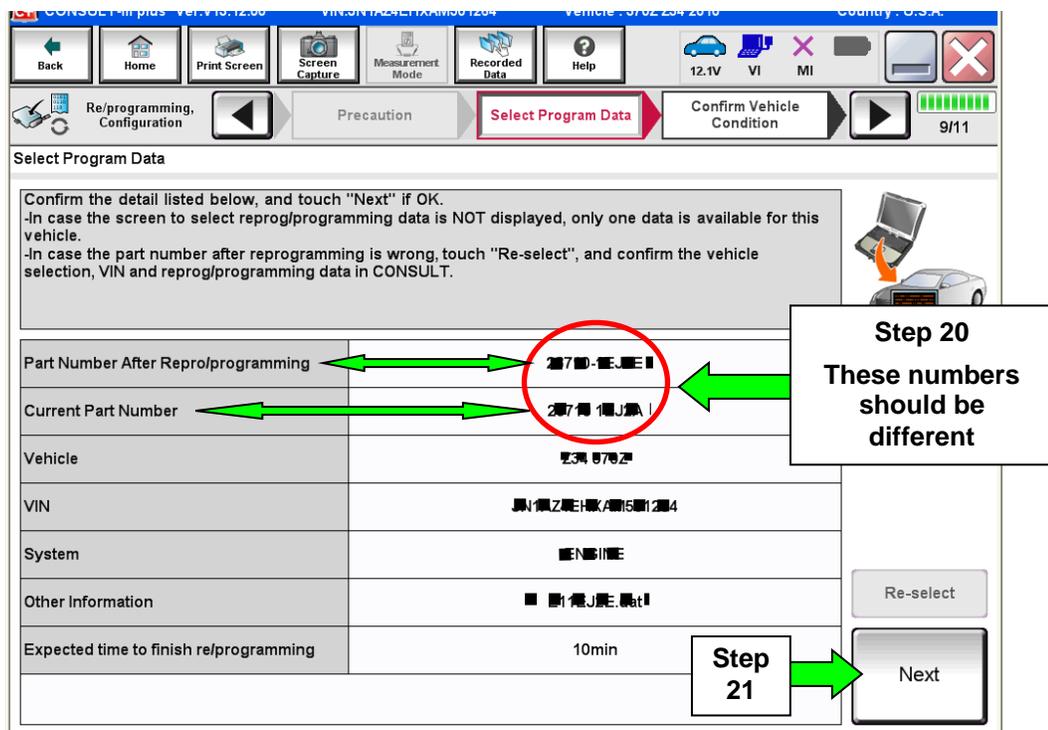


Figure 13

NOTE:

- In some cases, more than one new P/N for reprogramming is available.
 - In this case, the screen in Figure 14 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.

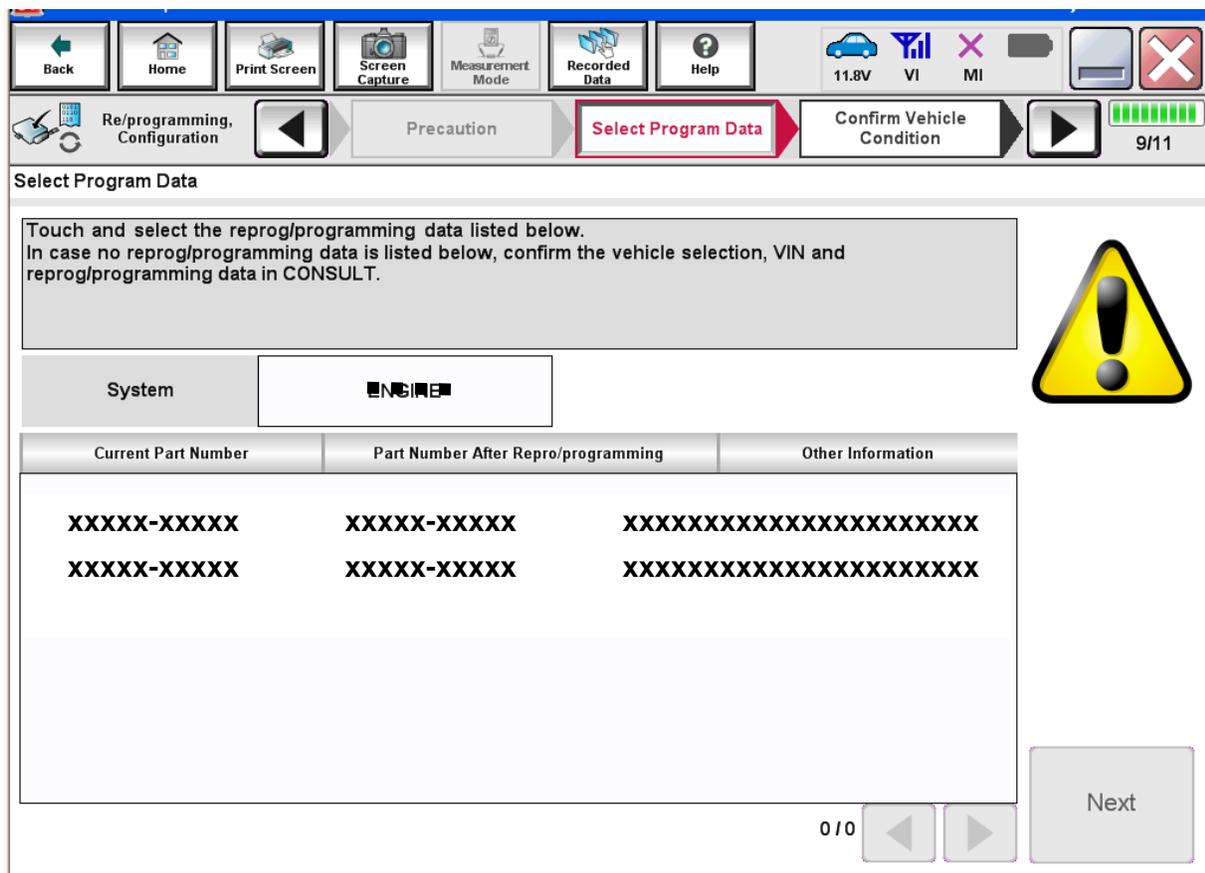


Figure 14

22. Make sure **OK** is highlighted **green** (battery voltage must be between **12.0 and 15.5 Volts**).

23. Select **Next**.

IMPORTANT: Battery voltage must stay between **12.0 and 15.5 Volts** during reprogramming or ECM reprogramming may be interrupted and ECM may be damaged.

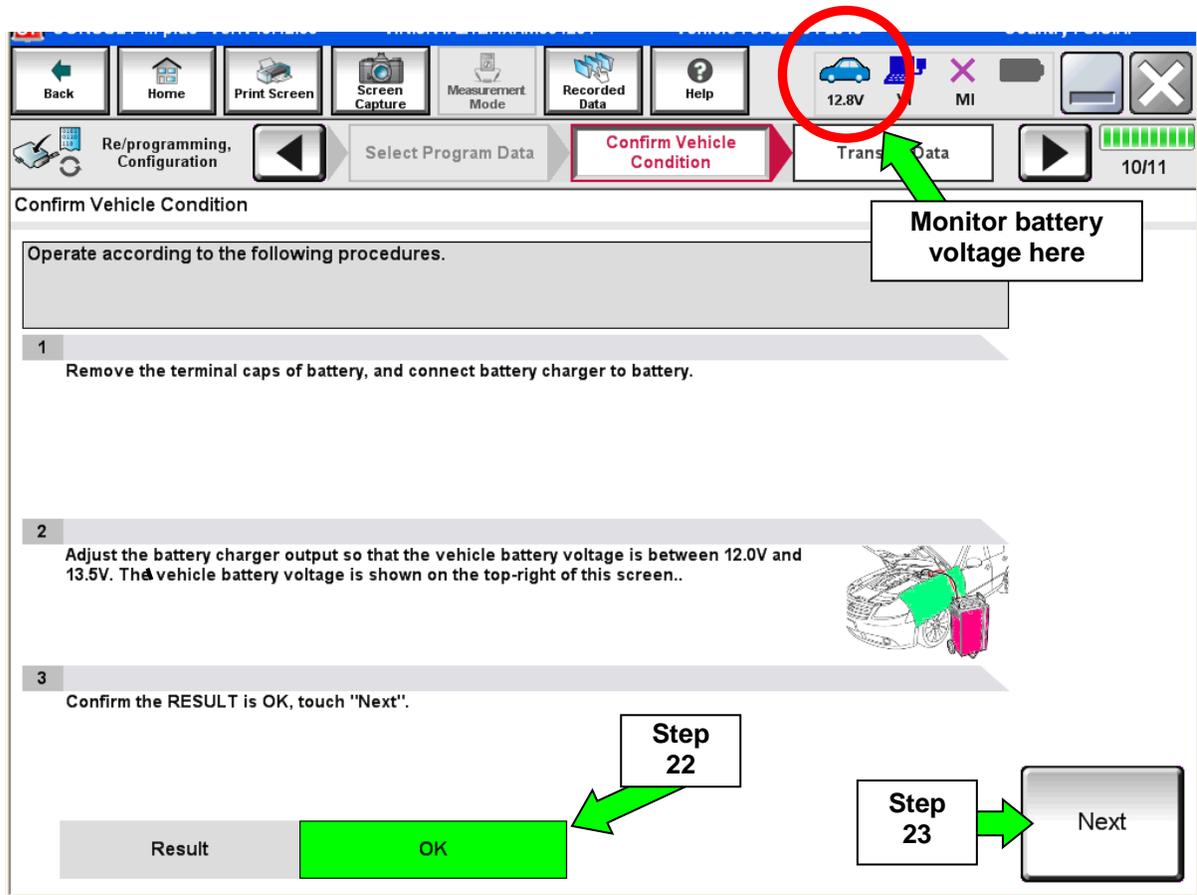


Figure 15

NOTE: In the next step, the reprogramming process will begin when **Start** is selected.

24. Select **Start**.

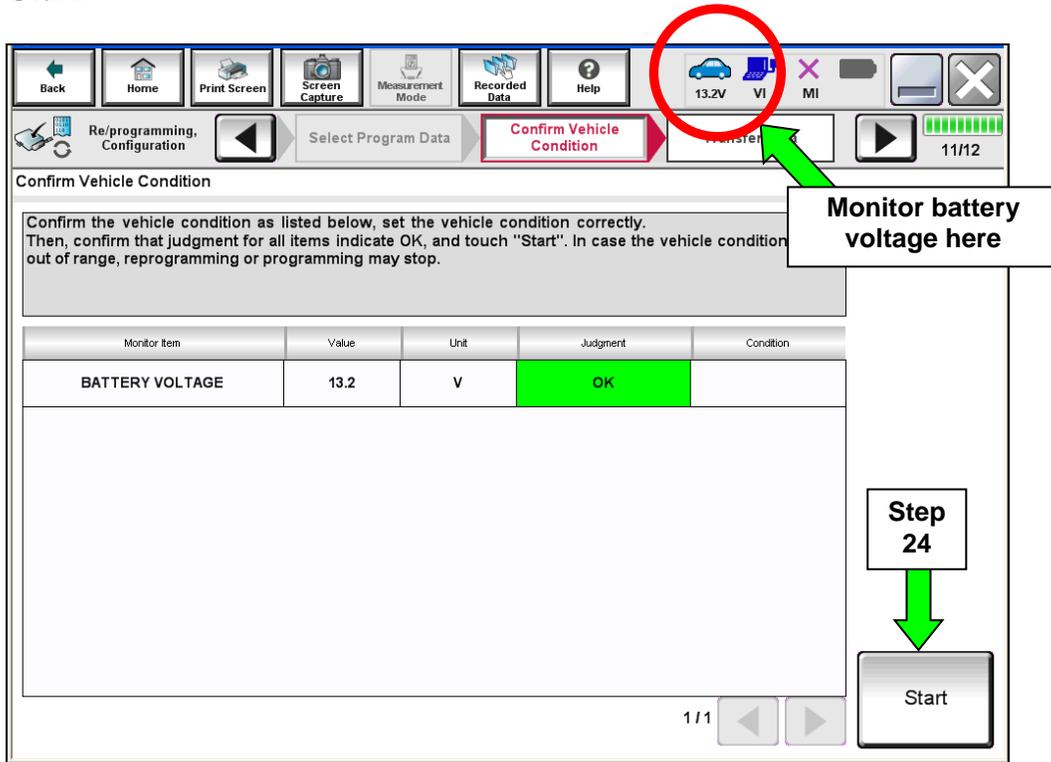


Figure 16

25. Wait for both progress bars to complete.

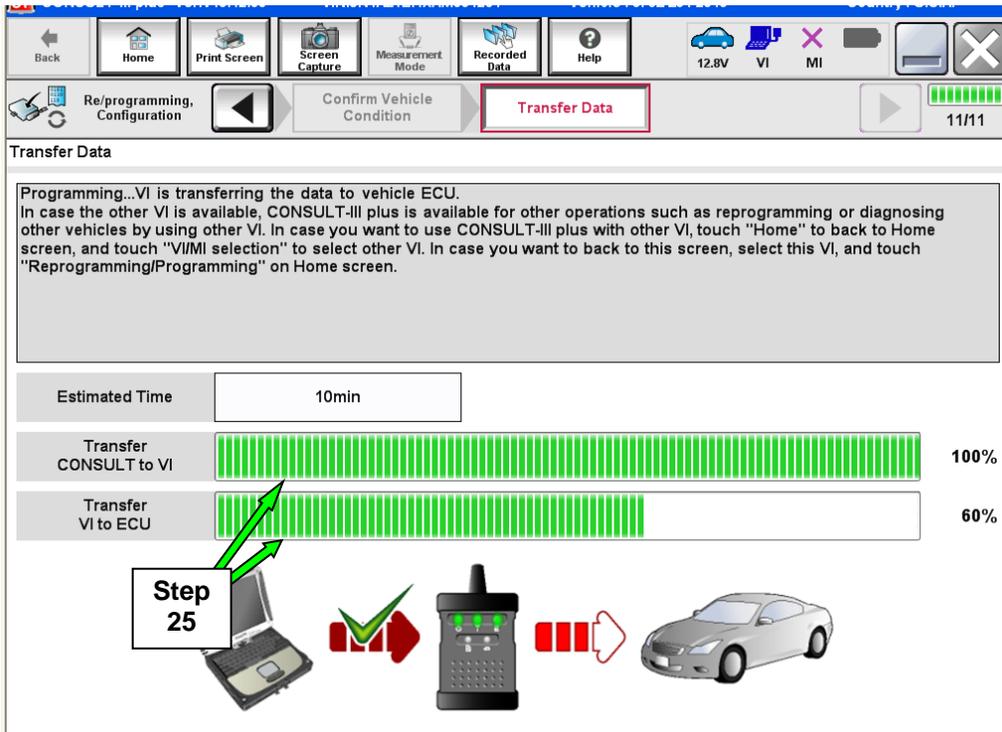


Figure 17

NOTE: If the message shown in Figure 18 appears, there is data stored in the plus VI. Select “Yes” to proceed with reprogramming.

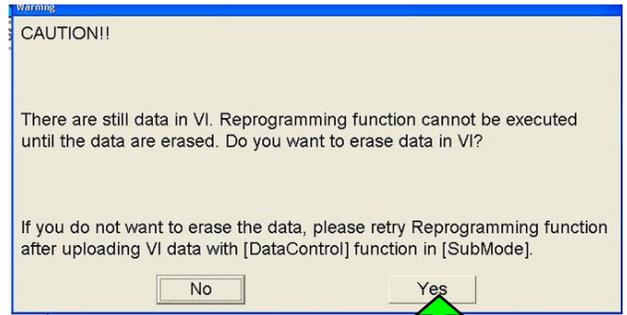


Figure 18

26. When the screen in Figure 19 displays, reprogramming is complete.

NOTE: If the screen in Figure 19 does not display (indicating that reprogramming did not complete), refer to the information on page 16.

27. Disconnect the battery charger from the vehicle.

28. Select **Next**.

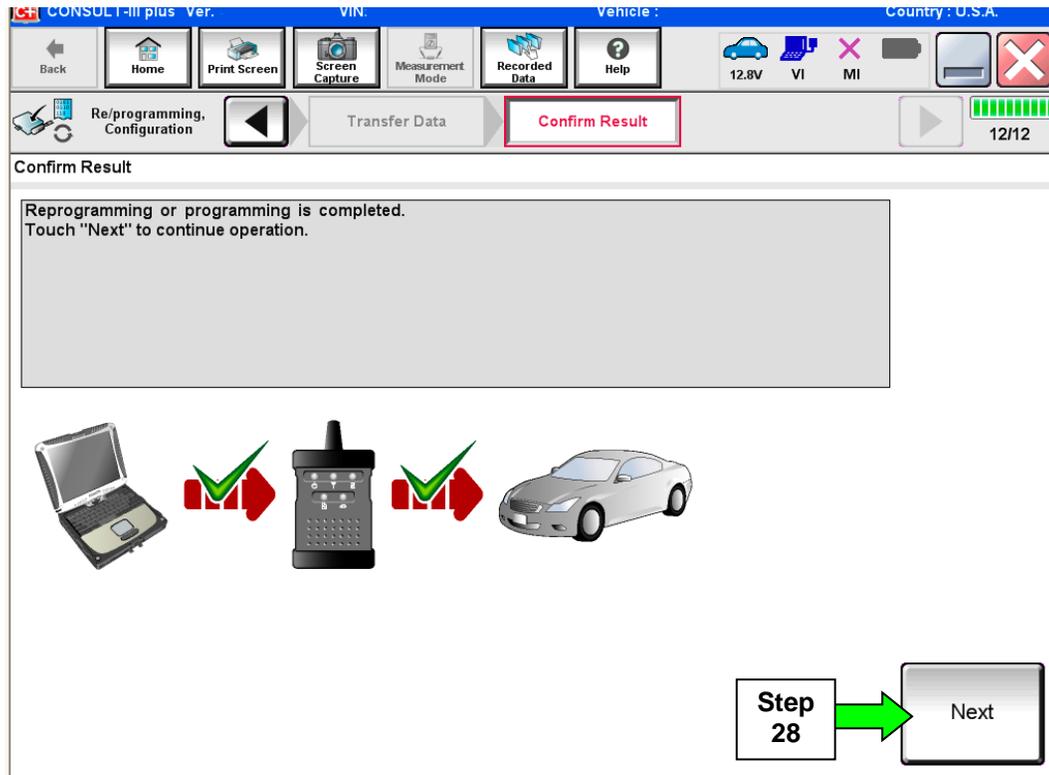


Figure 19

NOTE:

- In the next steps, starting on page 17, 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 20:

- 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.

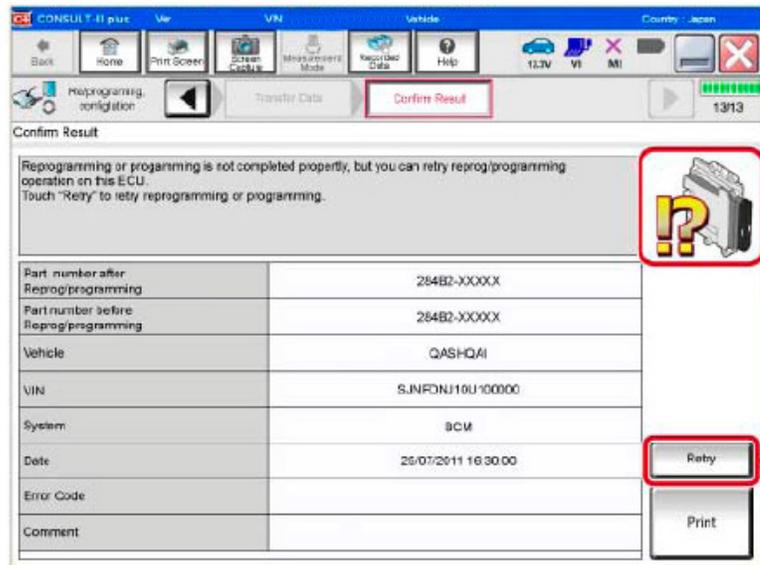


Figure 20

If reprogramming does not complete and the “X” icon displays as shown in Figure 21:

- 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.**

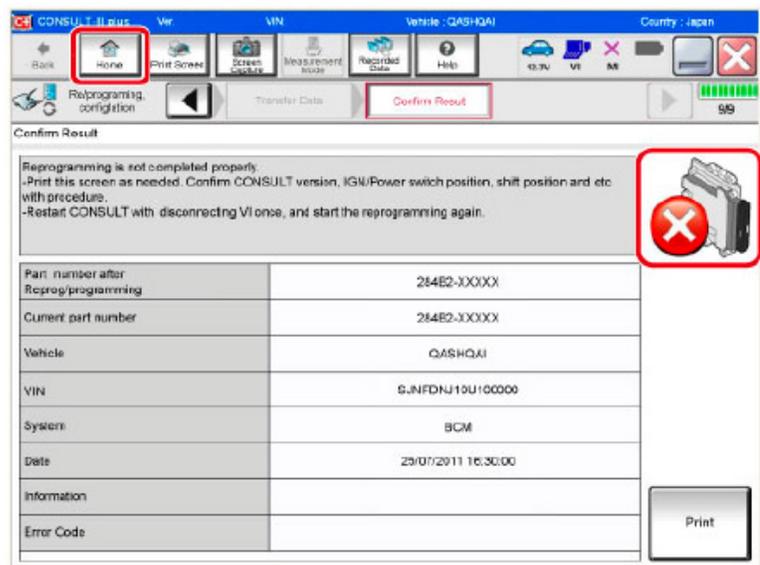


Figure 21

29. Perform **Throttle Valve Closed Position** procedure.

- Follow the on-screen instructions (**1, 2, and 3**) to complete the procedure.

The screenshot displays a diagnostic tool interface with a blue header bar containing various icons: Back, Home, Print Screen, Screen Capture, Measurement Mode, Recorded Data, Help, 12.8V, VI, MI, and a close button. Below the header is a navigation bar with buttons for 'Re/programming, Configuration', 'Confirm Result', 'Throttle Valve Closed Position' (highlighted with a red box), and 'Idle Air Volume Learning'. A battery level indicator shows 13/16.

The main content area is titled 'Throttle Valve Closed Position' and contains the following instructions:

Operate according to the following procedures.

- 1** Make sure that accelerator pedal is fully released, turn ignition ON, and turn ignition OFF. And then the count down of 10 seconds starts.

Current status of ignition switch	ON
Time	
- 2** Make sure that throttle valve moves during count down of 10 seconds by confirming the operating sound.
- 3** Touch "Next" to go to next operation.

A 'Next' button is located at the bottom right of the instruction area.

Figure 22

30. Perform Idle Air Volume Learn (IAVL).

- a. Turn the ignition ON and let the engine idle.
- b. Select **Next**.

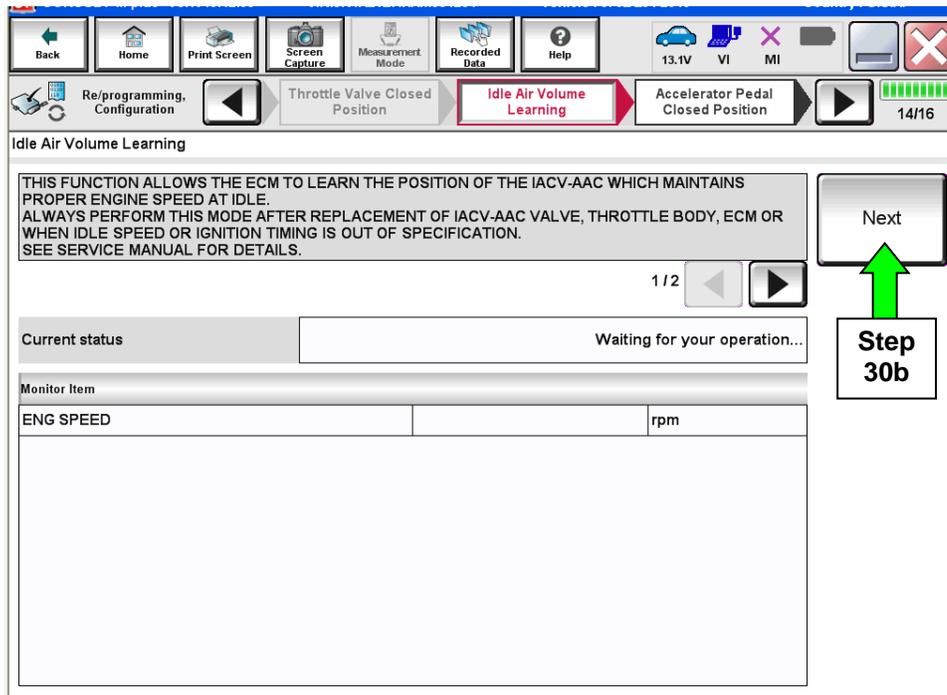


Figure 23

- c. Select **Start**.
- d. Wait for IAVL to complete.

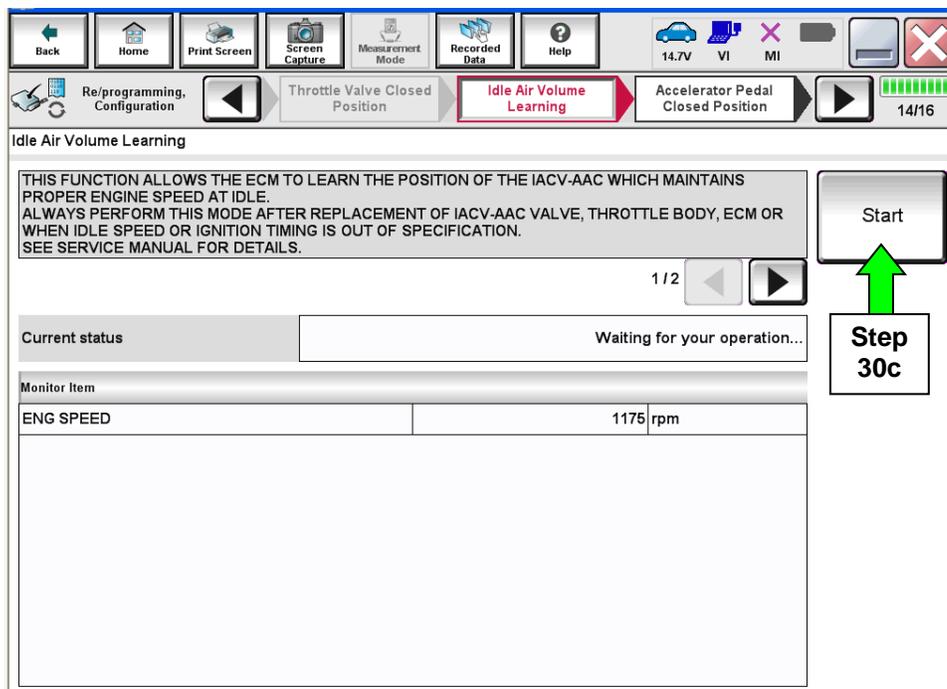


Figure 24

NOTE:

- Listed below are common required conditions 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

e. Select **Next**.

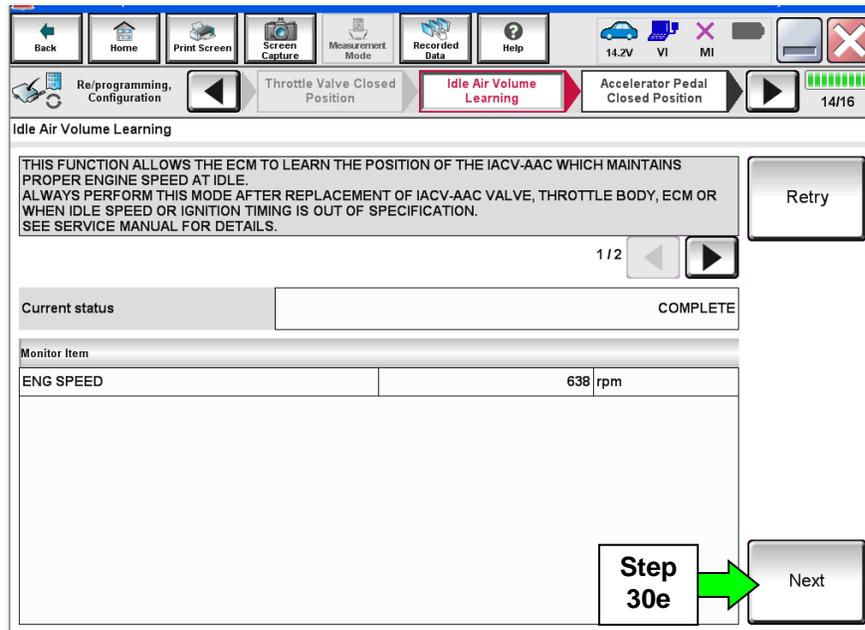


Figure 25

31. Follow the on screen instructions to complete **Accelerator Pedal Close Position Learning**.

Step 31

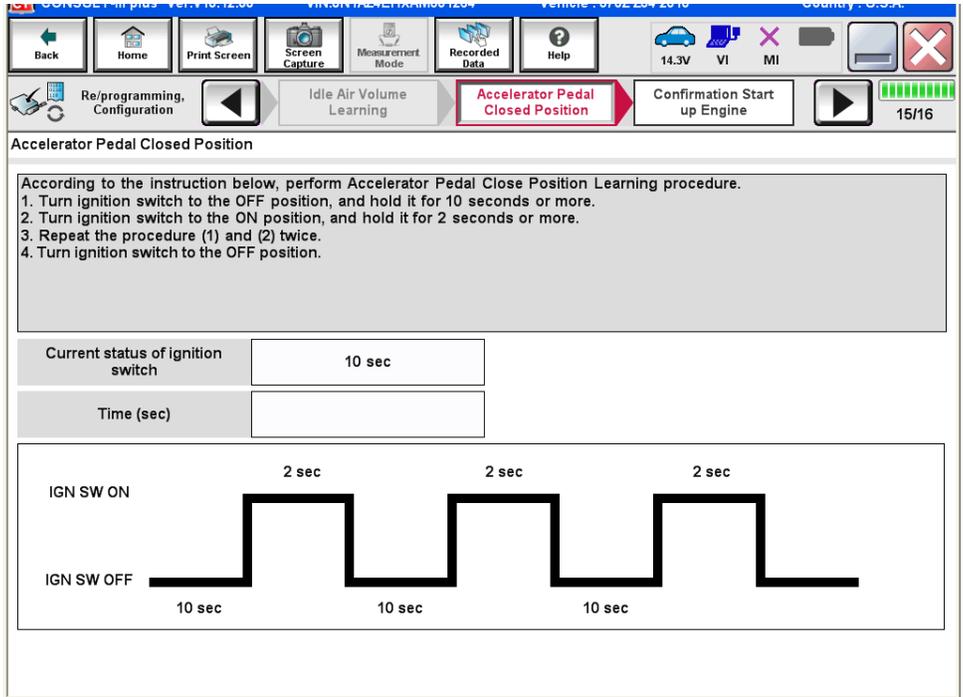


Figure 26

32. Erase all DTCs as follows:

- a. Turn the ignition OFF
- b. Turn the ignition ON.
- c. Wait for DTC erase to complete.

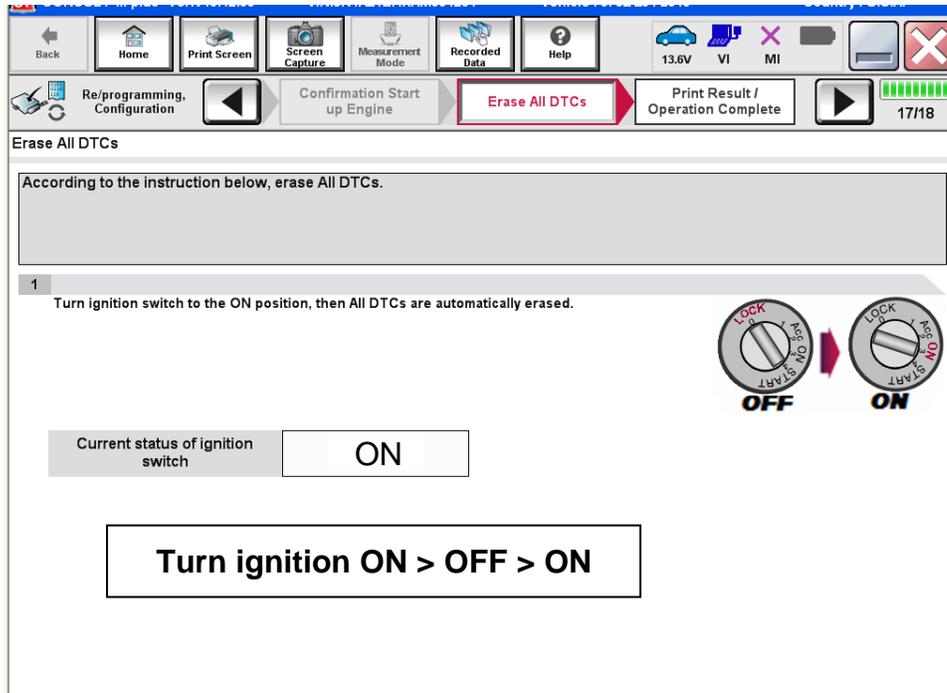


Figure 27

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

34. Print a copy of this screen (Figure 28) and attach it to the repair order for warranty documentation.

35. Select **Confirm**.

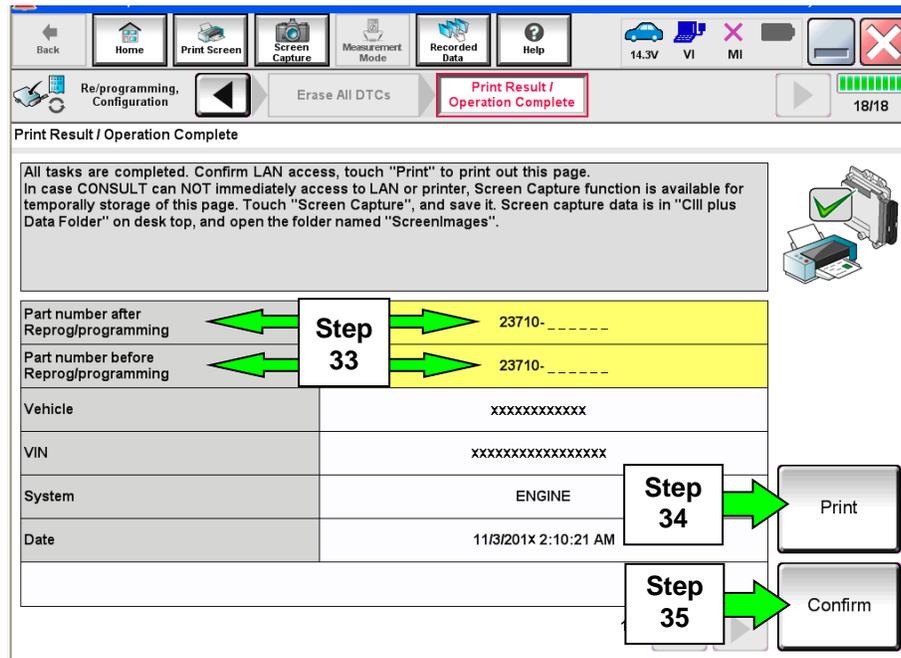


Figure 28

NOTE: If you cannot print the above screen:

- Select Screen Capture.
- Name the file.
- Save the file in My Documents.

A copy of the screen is now saved in the CONSULT PC. It can be retrieved and printed at a later time.

36. Close C-III plus.

37. Turn the ignition OFF.

38. Disconnect the plus VI from the vehicle.

CLAIMS INFORMATION

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

Campaign ("CM") ID	DESCRIPTION	OP CODE	FRT
R1620	Reprogram ECM	R16200	0.5
	Does Not Require Reprogram	R16201	0.3

