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# SERVICE BULLETIN

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Classification:

EC17-033c

Reference:

NTB17-113c

Date:

November 9, 2020

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## 2017-2020 ROGUE SPORT; WHEN COLD, LONG CRANK TIME / ENGINE TURNS OFF / HESITATION / ROUGH IDLE / MISFIRE

This bulletin has been amended. See **AMENDMENT HISTORY** on the last page.  
Please discard previous versions of this bulletin.

**APPLIED VEHICLES:** 2017-2020 Rogue Sport (J11)

### IF YOU CONFIRM

After the engine has been OFF for more than two (2) hours, any of the following occur during engine start and warm up:

- Long engine crank time (with mechanical key only)
- Engine turns OFF, requiring a restart
- Hesitation on acceleration
- Rough Idle
- Engine misfire

### 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

**IMPORTANT:** Before starting, make sure:

- ASIST on the CONSULT PC has been synchronized (updated) to the current date.
- All CONSULT-III plus (C-III plus) plus software updates (if any) have been installed.
- The CONSULT PC is connected to the Internet (Wi-Fi or cable).

### NOTE:

- Most instructions for reprogramming with 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.
- 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 Idle Air Volume Learn. The above conditions are required for Idle Air Volume Learn to complete.

### CAUTION:

- Connect a battery maintainer or smart charger set to reflash mode or a similar setting. If the vehicle battery voltage drops below 12.0V or rises 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 plus VI. If Bluetooth® signal waves are within range of the CONSULT PC and plus VI 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**.

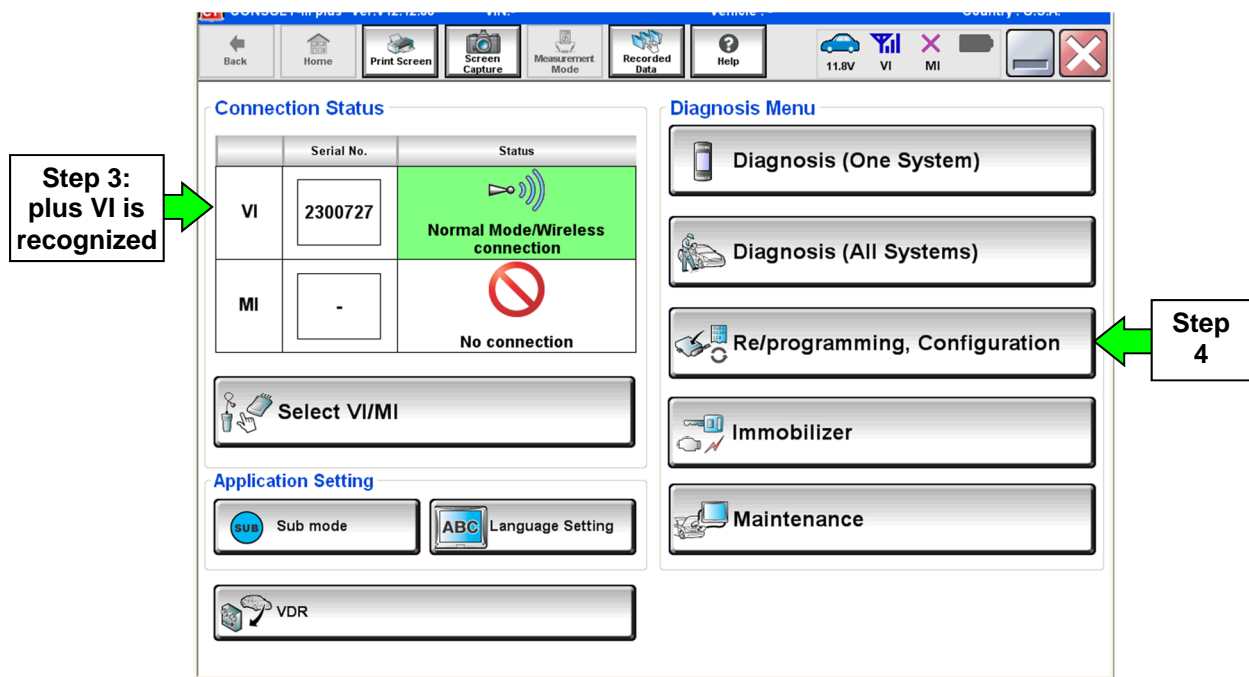


Figure 1

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).

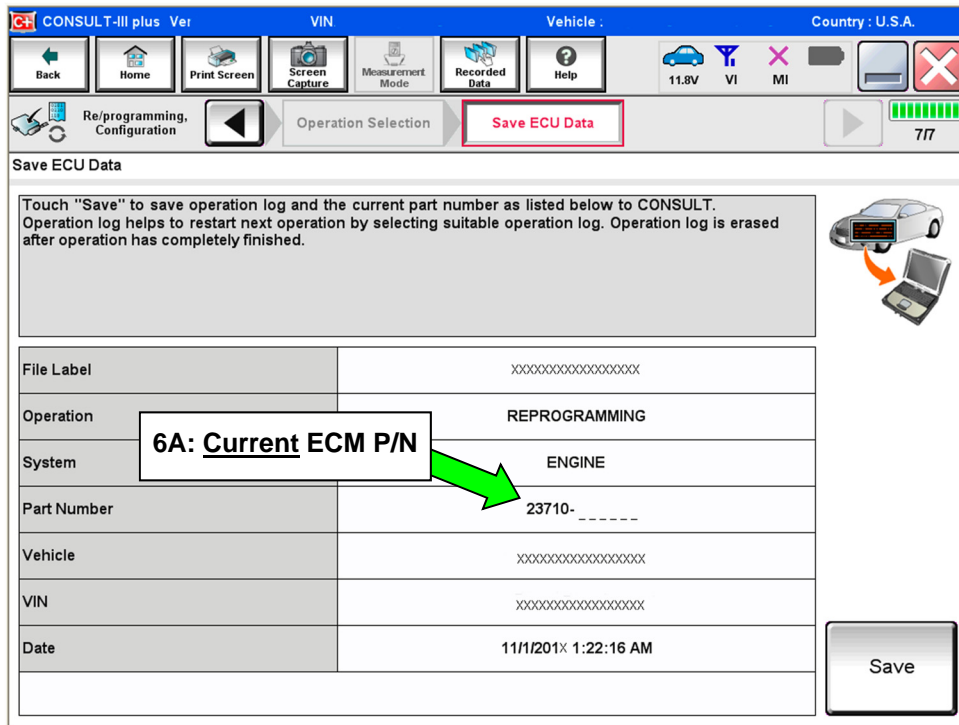


Figure 2

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

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

**Table A**

MODEL	CURRENT ECM PART NUMBER: 23710-
<p><b>2017 Rogue Sport</b></p>	<p>6MA0A, 6MA0B, 6MA0D, 6MA0E            6MA1A, 6MA1B, 6MA1D, 6MA1E            6MA2A, 6MA2B, 6MA2D, 6MA2E            6MA3A, 6MA3B, 6MA3D, 6MA3E            6MA4A, 6MA4B, 6MA4D, 6MA4E            6MA5A, 6MA5B, 6MA5D, 6MA5E            6MA6A, 6MA6B, 6MA6C, 6MA6D, 6MA6E            6MA7A, 6MA7B, 6MA7C, 6MA7D, 6MA7E            6MA8A, 6MA8B, 6MA8C, 6MA8D, 6MA8E            6MA9A, 6MA9B, 6MA9C, 6MA9D, 6MA9E            6MB0A, 6MB0B, 6MB0D, 6MB0E            6MB1A, 6MB1B, 6MB1D, 6MB1E            6MB2A, 6MB2B, 6MB2D, 6MB2E            6MB3A, 6MB3B, 6MB3D, 6MB3E            6MB6A, 6MB6B, 6MB6C, 6MB6D, 6MB6E            6MB7A, 6MB7B, 6MB7C, 6MB7D, 6MB7E            6MB8A, 6MB8B, 6MB8C, 6MB8D, 6MB8E            6MB9A, 6MB9B, 6MB9C, 6MB9D, 6MB9E            6ME2A, 6ME2B, 6ME2C            6ME3A, 6ME3B, 6ME3C            6ME4A, 6ME4B, 6ME5A, 6ME5B            6ME6A, 6ME6B, 6ME7A, 6ME7B, 6ME8A, 6ME8B            6MF0A, 6MF0B, 6MF1A, 6MF1B            6MF2A, 6MF2B, 6MF3A, 6MF3B, 6MF4A, 6MF4B</p>
<p><b>2018 Rogue Sport</b></p>	<p>6MC0A, 6MC1A, 6MC2A, 6MC3A, 6MC4A            6MC5A, 6MC6A, 6MC7A            6ME0A, 6ME0B, 6ME0C, 6ME0D, 6ME0E            6ME1A, 6ME1B, 6ME1C, 6ME1D, 6ME1E            6MG0A, 6MG0B, 6MG0C, 6MG0D, 6MG0E            6MG1A, 6MG1B, 6MG1C, 6MG1D, 6MG1E            6MG2A, 6MG2B, 6MG2C, 6MG2D, 6MG2E            6MG3A, 6MG3B, 6MG3C, 6MG3D, 6MG3E            6MG4A, 6MG4B, 6MG4C, 6MG4D, 6MG4E            6MG5A, 6MG5B, 6MG5C, 6MG5D, 6MG5E            6MG6A, 6MG6B, 6MG6C, 6MG6D, 6MG6E            6MG7A, 6MG7B, 6MG7C, 6MG7D, 6MG7E            6MG8A, 6MG8B, 6MG8C, 6MG8D, 6MG8E            6MG9A, 6MG9B, 6MG9C, 6MG9D, 6MG9E            6MH0A, 6MH0B, 6MH0C, 6MH0D, 6MH0E            6MH1A, 6MH1B, 6MH1C, 6MH1D, 6MH1E            6MH2A, 6MH2B, 6MH2C, 6MH2D, 6MH2E            6MH3A, 6MH3B, 6MH3C, 6MH3D, 6MH3E            6MH4A, 6MH4B, 6MH4C, 6MH4D, 6MH4E            6MH5A, 6MH5B, 6MH5C, 6MH5D, 6MH5E            6MH6A, 6MH6B, 6MH6C, 6MH6D, 6MH6E            6MH7A, 6MH7B, 6MH7C, 6MH7D, 6MH7E            6MH8A, 6MH8B, 6MH8C, 6MH8D, 6MH8E            6MH9A, 6MH9B, 6MH9C, 6MH9D, 6MH9E</p>

**Table A (continued)**

<b>MODEL</b>	<b>CURRENT ECM PART NUMBER: 23710-</b>
<b>2019 Rogue Sport</b>	6MM0A, 6MM0B, 6MM0C 6MM1A, 6MM1B, 6MM1C 6MM2A, 6MM2B, 6MM2C, 6MM2D 6MM3A, 6MM3B, 6MM3C, 6MM3D 6MM4A, 6MM4B, 6MM4C, 6MM4D 6MM5A, 6MM5B, 6MM5C, 6MM5D 6MM6A, 6MM6B, 6MM6C, 6MM6D 6MM7A, 6MM7B, 6MM7C, 6MM7D 6MM8A, 6MM8B, 6MM8C, 6MM8D 6MM9A, 6MM9B, 6MM9C, 6MM9D
<b>2020 Rogue Sport</b>	6MR0C, 6MR0D, 6MR0E 6MR1C, 6MR1D, 6MR1E 6MR2C, 6MR2D, 6MR2E 6MR3C, 6MR3D, 6MR3E 6MR4C, 6MR4D, 6MR4E 6MR5C, 6MR5D, 6MR5E 6MR6C, 6MR6D, 6MR6E 6MR7C, 6MR7D, 6MR7E

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 there is more than one new P/N, 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.

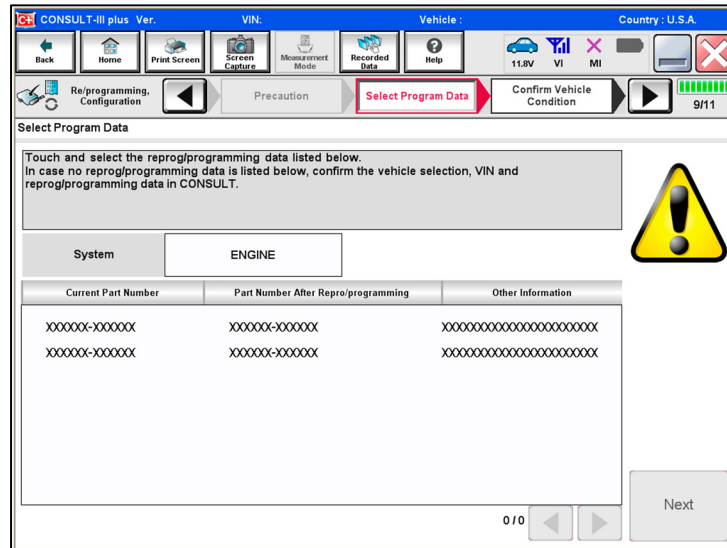


Figure 3

- Before reprogramming will start, you will be required to enter your **Username** and **Password**.
  - The CONSULT PC must be connected to the Internet (Wi-Fi or cable).
  - If you do not know your **Username** and **Password**, contact your service manager.

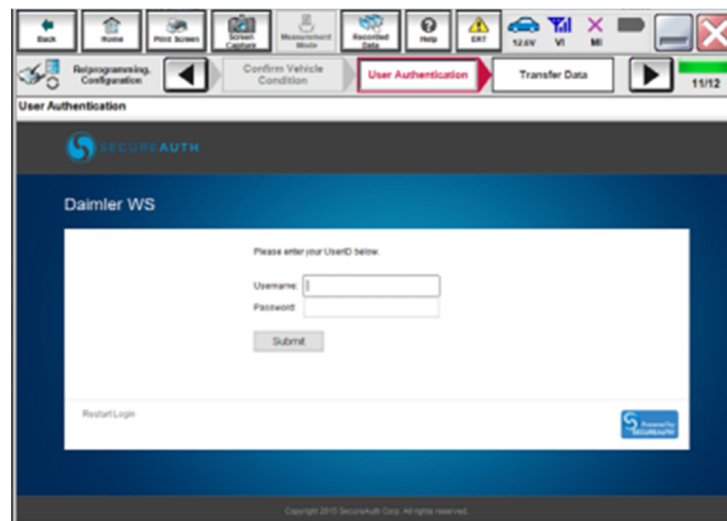


Figure 4

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 page 9.

9. Disconnect the battery maintainer/smart charger from the vehicle.

10. Select **Next**.

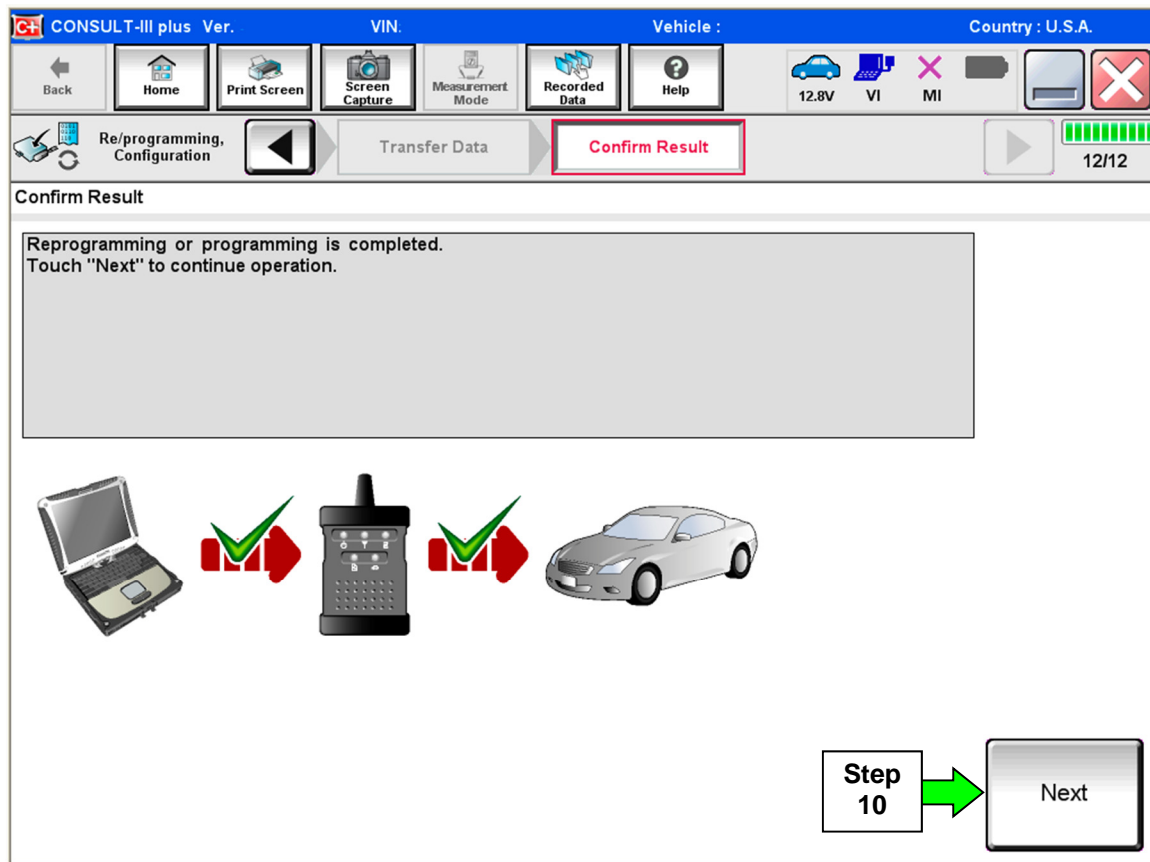


Figure 5

**NOTE:**

- In the next steps, starting on page 10, 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 the plus VI or shut down C-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.

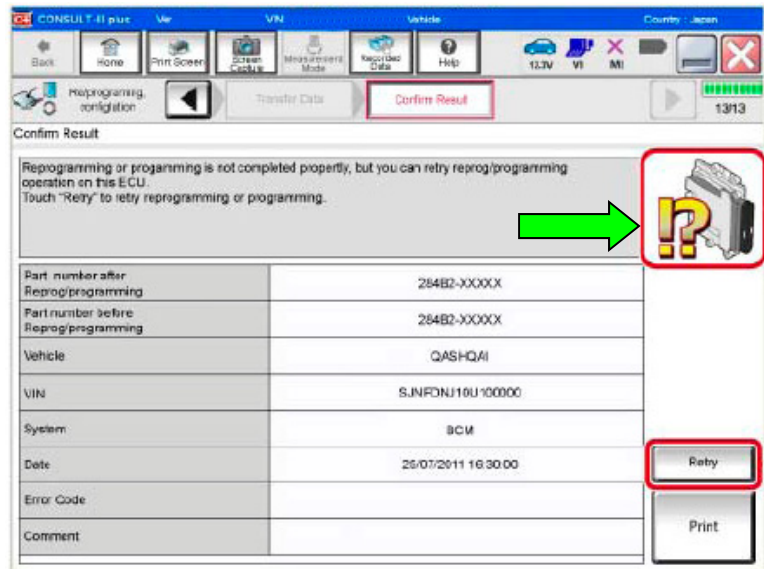


Figure 6

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.**

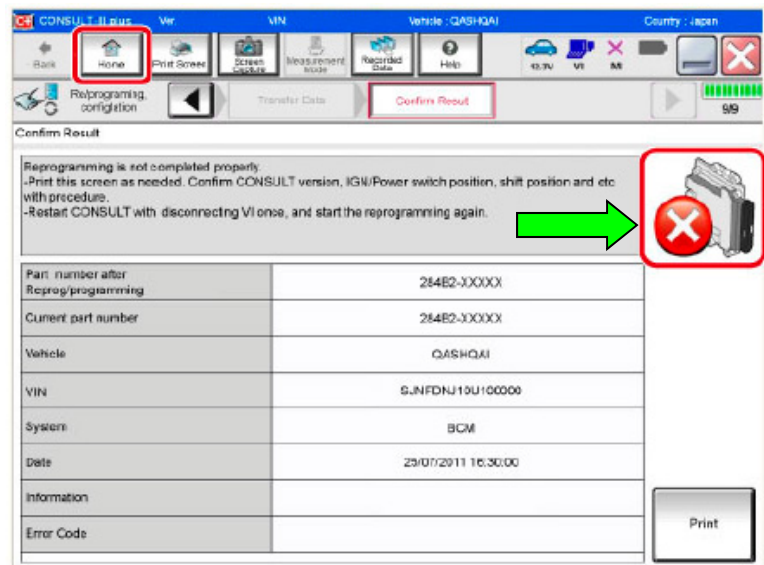


Figure 7

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 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 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**.

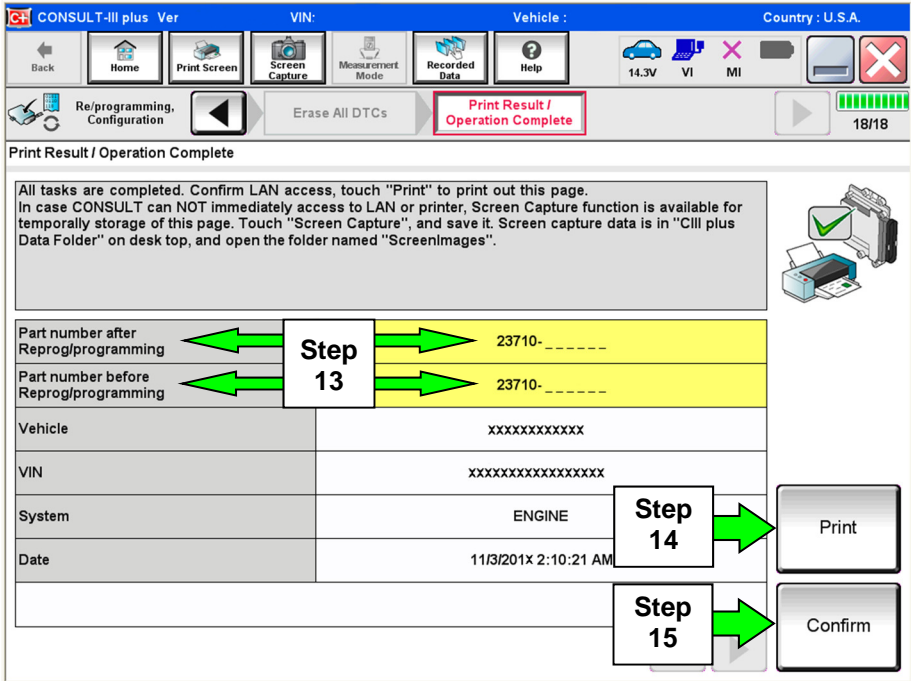


Figure 8

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

## CLAIMS INFORMATION

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

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
Reprogram ECM	(1)	DE97AA	ZE	32	(2) (3)

- (1) Reference the EPC and use the ECM part number (23703-\*\*\*\*\*) as the 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.

## AMENDMENT HISTORY

PUBLISHED DATE	REFERENCE	DESCRIPTION
November 6, 2017	NTB17-113	Original bulletin published
September 28, 2018	NTB17-113a	Title, APPLIED VEHICLES section, and Table A revised
August 28, 2019	NTB17-113b	CLAIMS INFORMATION section revised
November 9, 2020	NTB17-113c	APPLIED VEHICLES section and Table A revised

