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# SERVICE BULLETIN

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Classification:	Reference:	Date:
EC16-026	NTB16-086	August 25, 2016

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## 2013-2015 SENTRA; ENGINE TURNS OFF OR HESITATES WHEN ACCELERATING FROM A STOP DURING HOT AMBIENT TEMPERATURES (+100° F)

**APPLIED VEHICLE:** 2013-2015 Sentra (B17)

### IF YOU CONFIRM

The engine turns OFF or hesitates when accelerating from a stop during hot ambient temperatures (+100° F),

### AND

The engine is able to be restarted.

### ACTION

1. For 2013 and 2014 Sentra only:
  - Inspect the color of the PCV valve, and replace if the color is orange (see Figure A on page 2).
2. For all Applied Vehicles, if needed, reprogram the ECM.
  - Refer to step 6 in the ECM Reprogram section of the SERVICE PROCEDURE to confirm if reprogramming is needed.

**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

### Inspect / Replace PCV Valve (2013 and 2014 Sentra Only)

1. Open the engine hood and locate the PCV valve.
2. Inspect the color of the PCV valve.

**If PCV valve is orange, as shown in Figure A:**

- Replace the PCV valve.
- If needed, refer to the Electronic Service Manual ESM, section EM-Engine Mechanical, for replacement information.
- Use the new PCV valve listed in the Parts Information.
- The new PCV valve is “black” color.

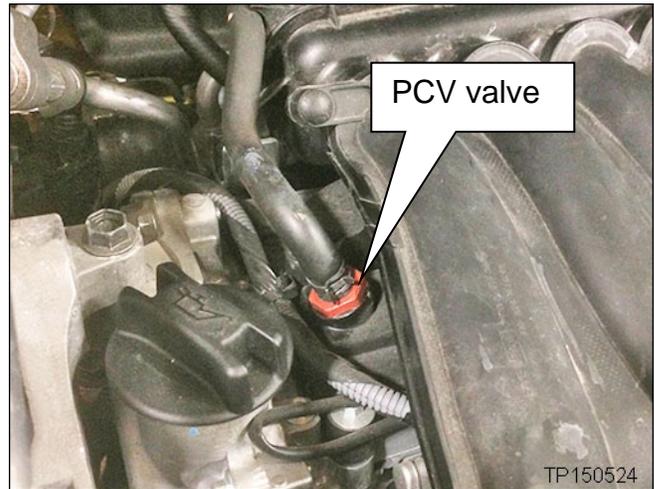


Figure A

**If PCV valve is black:**

- DO NOT replace – continue with the 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 Idle Air Volume Learn. The above condition are required for Idle Air Volume Learn to complete.



Figure B

**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**.

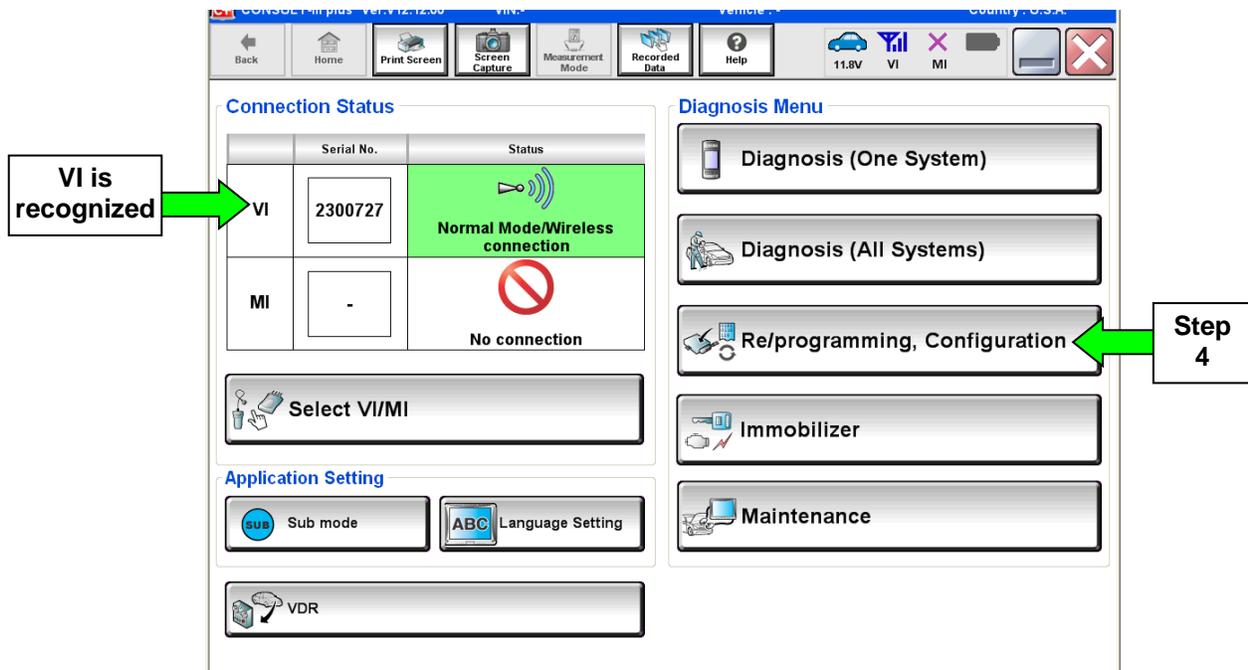


Figure 1

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).

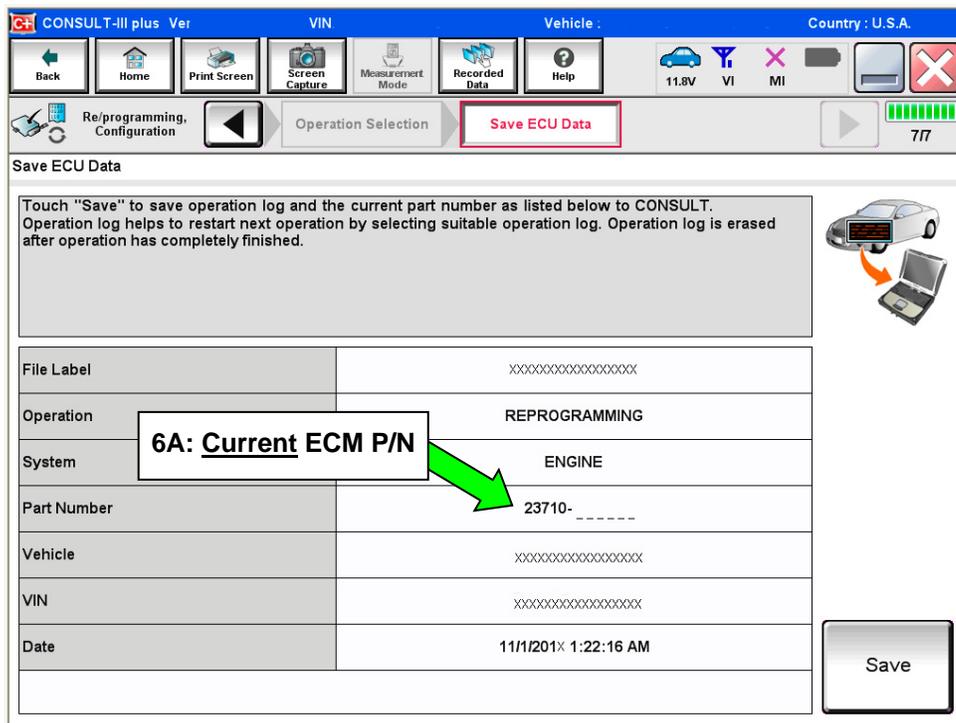


Figure 2

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, continue with the reprogramming procedure.
- If there is not a match, reprogramming is not needed.

**Table A**

<b>MODEL</b>	<b>CURRENT ECM PART NUMBER: 23710-</b>
<p>2013 Sentra</p>	<p>3SA0A, 3SA0B, 3SA0C, 3SA0D, 3SA0E            3SA2A, 3SA2D, 3SA2E            3SA3A            3SA4A, 3SA4D, 3SA4E            3SA5A, 3SA5D, 3SA5E            3SA6A, 3SA6B, 3SA6C, 3SA6D, 3SA6E            3SB0A, 3SB0B, 3SB0C, 3SB0D, 3SB0E            3SG2A, 3SG2B, 3SG2C, 3SG2D, 3SG2E            3SG3A, 3SG3D, 3SG3E            3SG6A, 3SG6B, 3SG6C, 3SG6D, 3SG6E            3SG7A, 3SG7B, 3SG7C, 3SG7D, 3SG7E            3SG8A, 3SG8B, 3SG8C, 3SG8D            3SG9A, 3SG9B, 3SG9C            3RH0A, 3RH0B, 3RH0C            3RH1A, 3RH1B, 3RH1C            3RH2A, 3RH2B, 3RH2C            3RH3A, 3RH3B, 3RH3C            3SR2A, 3SR2B, 3SR2C, 3SR2D, 3SR2E            3SR3A, 3SR3B, 3SR3C, 3SR3D, 3SR3E            3SZ0A, 3SZ0B, 3SZ0C, 3SZ0D, 3SZ0E            3SZ1A, 3SZ1B, 3SZ1C, 3SZ1D 3SZ1E</p>
<p>2014 Sentra</p>	<p>9AM0A, 9AM0B, 9AM0C, 9AM0D, 9AM0E            9AM1A, 9AM1B, 9AM1C, 9AM1D, 9AM1E            9AM2A, 9AM2B, 9AM2C, 9AM2D, 9AM2E            9AM3A, 9AM3B, 9AM3C, 9AM3D, 9AM3E            9AM4A, 9AM4B, 9AM4C, 9AM4D, 9AM4E            9AM5A, 9AM5B, 9AM5C, 9AM5D, 9AM5E            3RU6A, 3RU6B, 3RU6C            3RU7A, 3RU7B, 3RU7C            3RU8A, 3RU8B, 3RU8C            3RU9A, 3RU9B, 3RU9C</p>
<p>2015 Sentra</p>	<p>4AT2A, 4AT2B            4AT4A, 4AT4B, 4AT4C            4AT6A, 4AT6B, 4AT6C            4AT8A, 4AT8B, 4AT8C</p>

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.

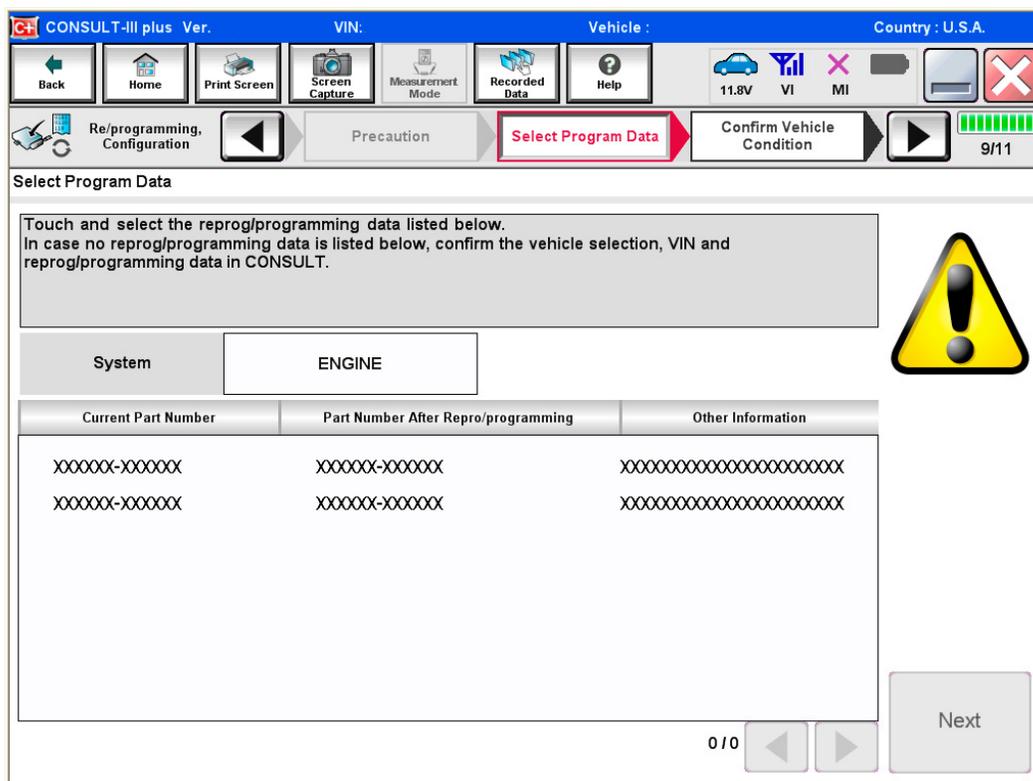


Figure 3

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**.

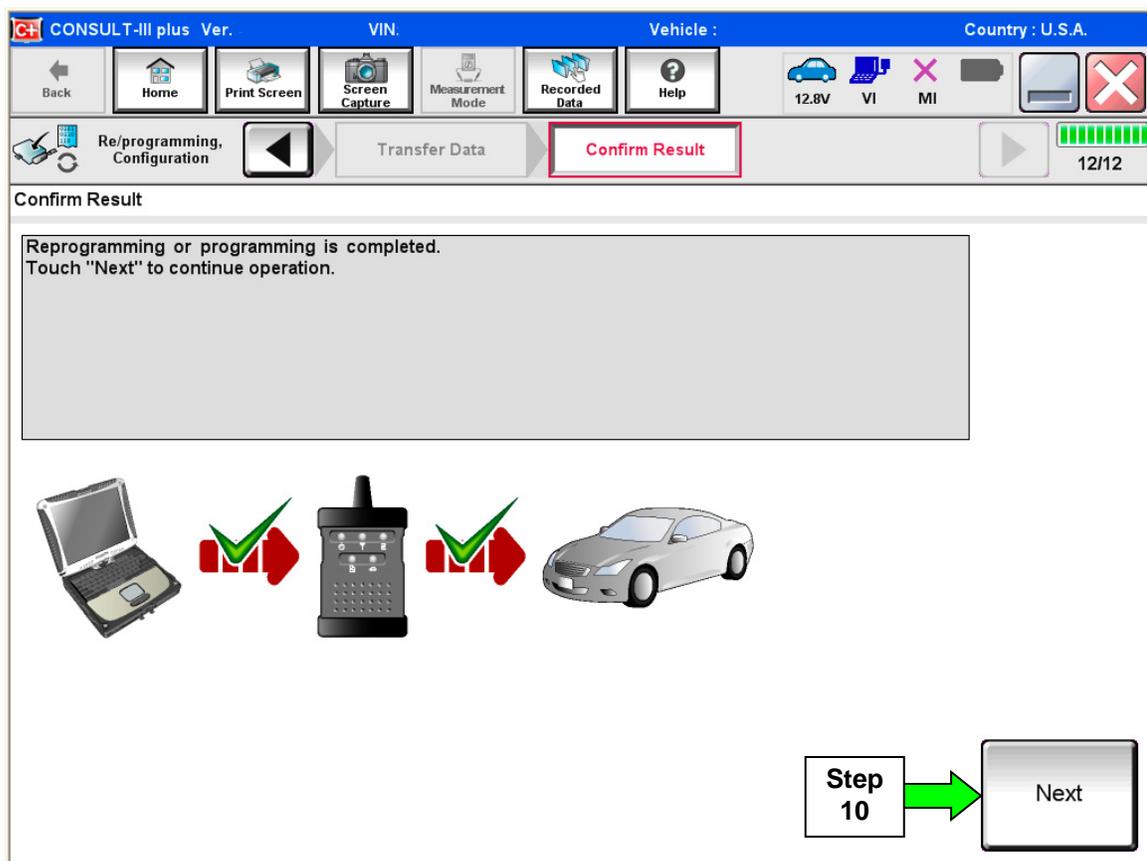


Figure 4

**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.

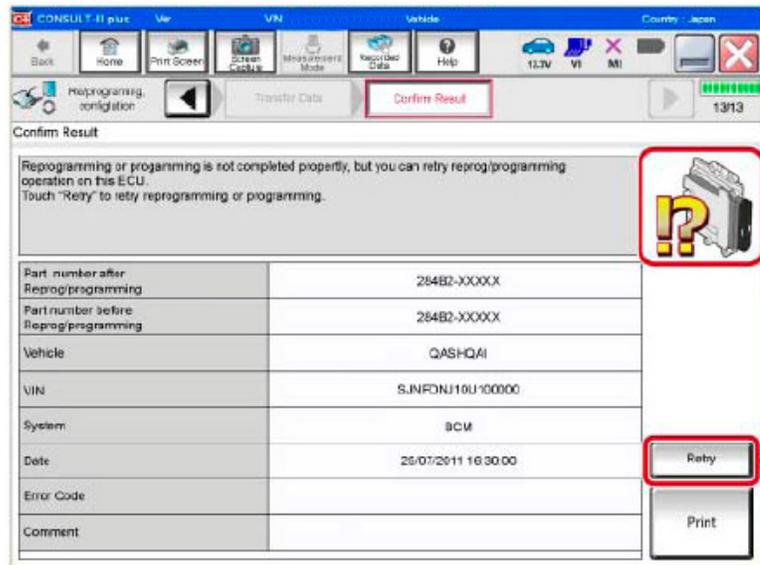


Figure 5

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.**

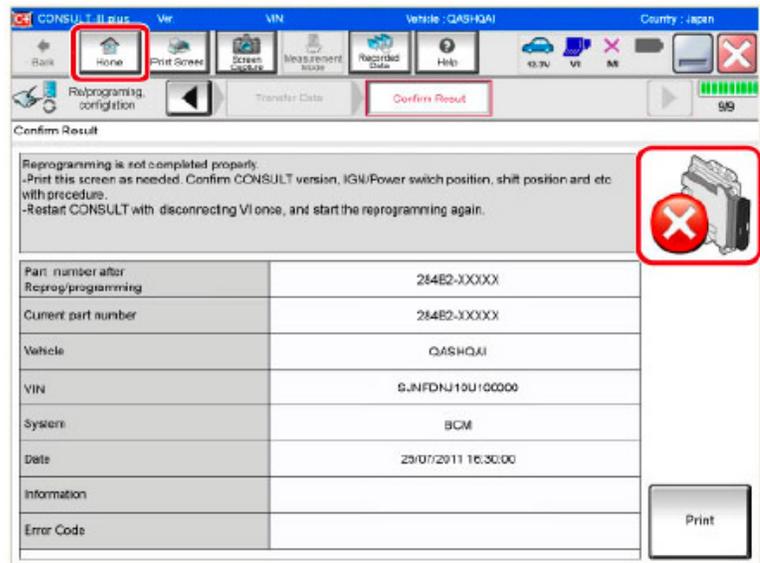


Figure 6

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 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**.

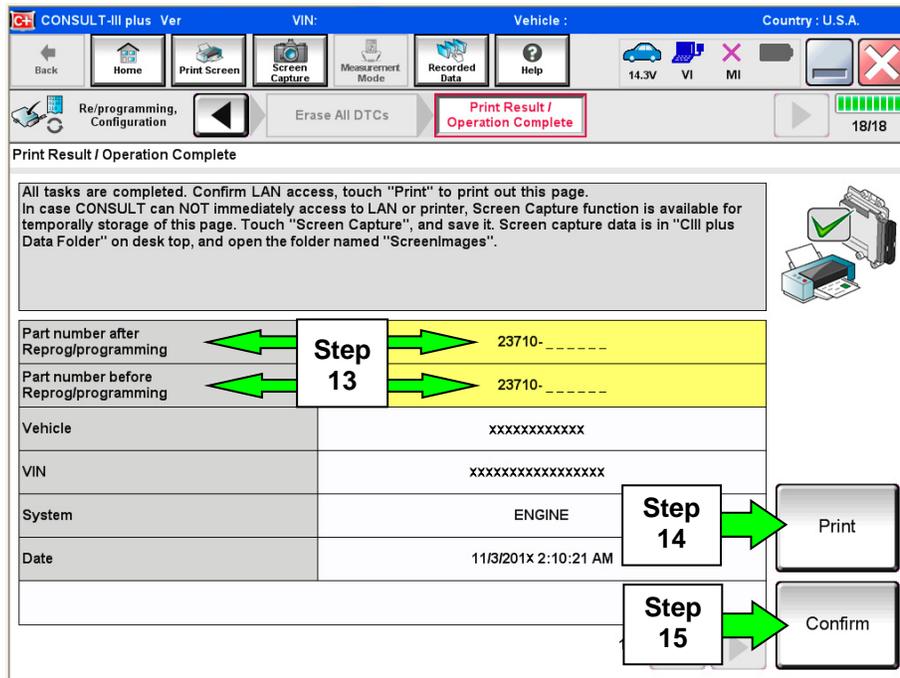


Figure 7

16. Close C-III plus.

17. Turn the ignition OFF.

18. Disconnect the plus VI from the vehicle.

## PARTS INFORMATION

DESCRIPTION	PART NUMBER	QUANTITY
PCV Valve (Black Color)	11810-6N202	1

## CLAIMS INFORMATION

### For 2013 and 2014 models only IF PCV Valve was Orange

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

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
RPL PCV Valve	11810-6N202	AR32AA	HD	32	(1)

(1) Reference the current Nissan Warranty Flat Rate Manual and use the indicated FRT.

### Only if needed for 2013 and 2014 models

On the same repair line if the ECM is reprogrammed:

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

(1) Reference the current Nissan Warranty Flat Rate Manual and use the indicated FRT.

(2) 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.

## OR

### For 2013 and 2014 models only IF PCV Valve is Black and reprogramming is needed

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 FAST and use the ECM part number (23710-\*\*\*\*\*) 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.

## OR

### For 2015 Models if reprogramming is needed

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 FAST and use the ECM part number (23710-\*\*\*\*\*) 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.