



TECHNICAL SERVICE BULLETIN

Classification:	Reference:	Date:
EL22-013	NTB22-094	October 26, 2022

DTC P161D STORED IN BCM

APPLIED VEHICLES: 2020-2021 Sentra (B18)

IF YOU CONFIRM

DTC P161D (Immobilizer) is stored in the BCM,.

- If a DTC other than P161D is present, diagnose and resolve first before applying this bulletin.

AND

The current ECU PART NUMBER in the BCM is either 284B3-3613R or 284B3-6580R.

ACTION

Reprogram the BCM with the **SERVICE PROCEDURE** in this bulletin.

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.

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. **HINT:** 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

Document the BCM Configuration Settings

IMPORTANT: Before starting, make sure:

- ASIST on the CONSULT PC has been synchronized (updated) to the current date.
- All C-III plus software updates (if any) have been installed.
- During the reprogramming process, you will receive some errors. These errors are expected. Please follow all of the steps in this procedure to successfully complete the reprogramming process.

NOTICE

- 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 BCM may be damaged.
- Be sure to turn OFF all vehicle electrical loads.
If a vehicle electrical load remains ON, the BCM 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 BCM 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 or VI during reprogramming, reprogramming may be interrupted and the BCM may be damaged.

1. Confirm that the CONSULT PC is connected to Wi-Fi.

2. Connect the VI to the vehicle.

3. Start C-III plus.

IMPORTANT: While the VI is being recognized by C-III plus, C-III plus will require a user credential sign in (Figure 1 and Figure 2 on page 3).

- If a sign in is not displayed, the CONSULT PC is not connected to Wi-Fi.
 - a. Close C-III plus,
 - b. Connect the CONSULT PC to Wi-Fi,
 - c. And then reopen C-III plus.

4. Select **USA/CANADA Dealers** from the drop down menu, and then select **OK**.

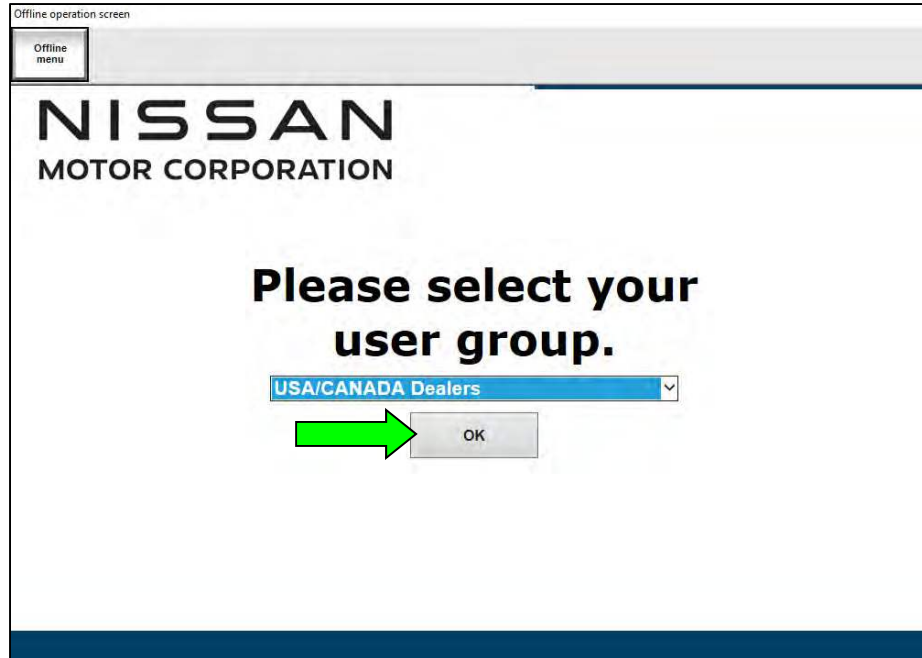


Figure 1

5. Login using your NNAnet credentials.

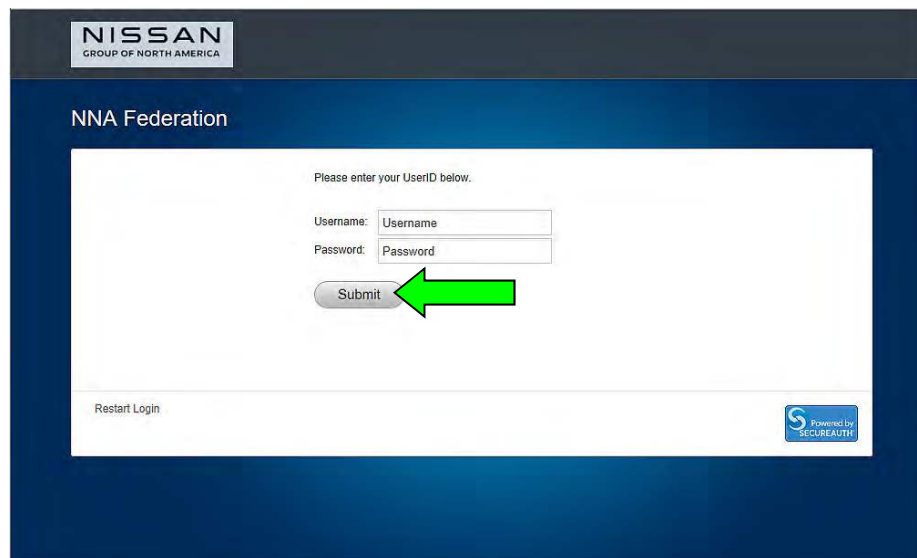


Figure 2

6. Wait for the VI to be recognized.
 - The serial number will display when the VI is recognized.
7. Select **Diagnosis (All Systems)**.

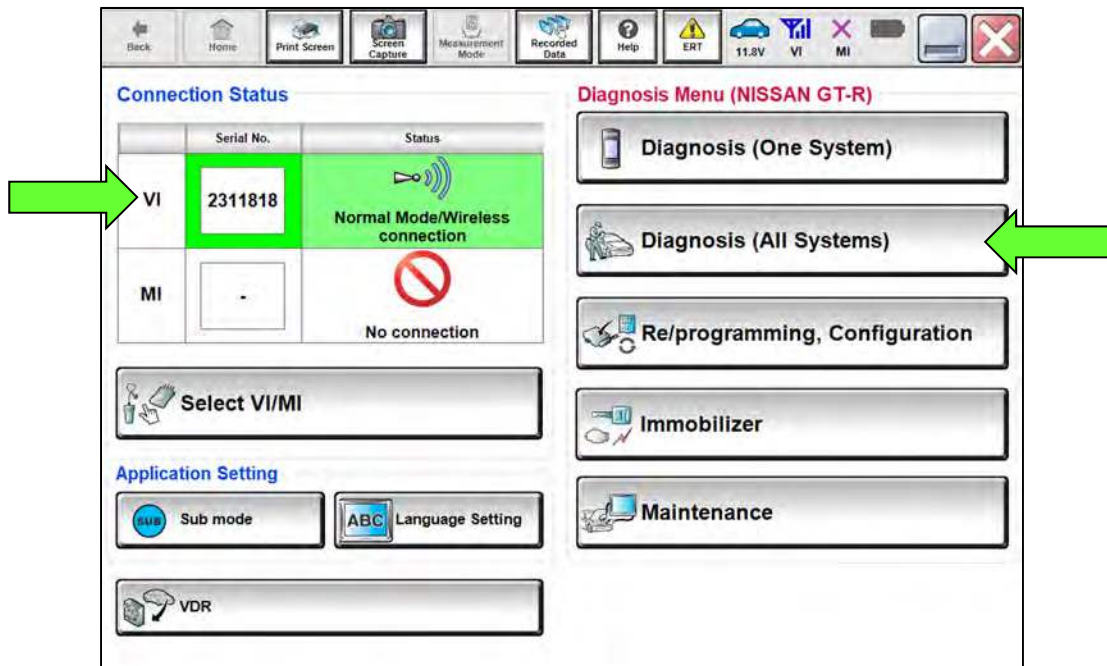


Figure 3

8. Confirm the **VIN or Chassis #** is correct, and then select **Confirm**.

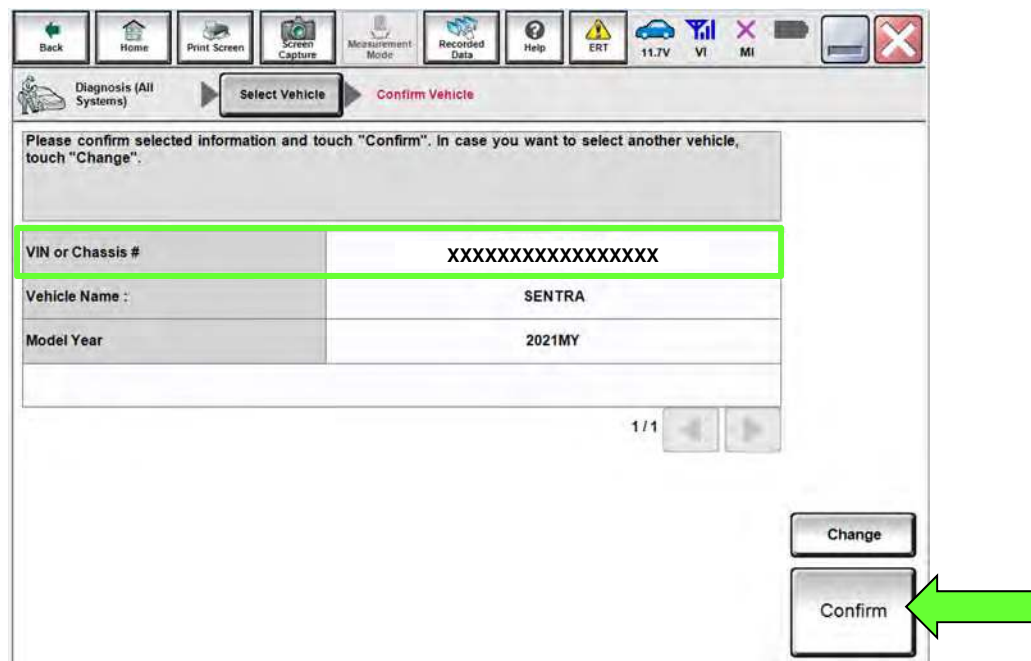


Figure 4

9. Confirm that only DTC P161D is stored.
 - If there are DTCs other than P161D, troubleshoot and resolve those DTCs first.
 - DTCs other than P161D are not covered under this bulletin. Refer to the ESM for further diagnostic information.
10. Select **ERASE** to erase all DTCs.
11. Select **BCM**.

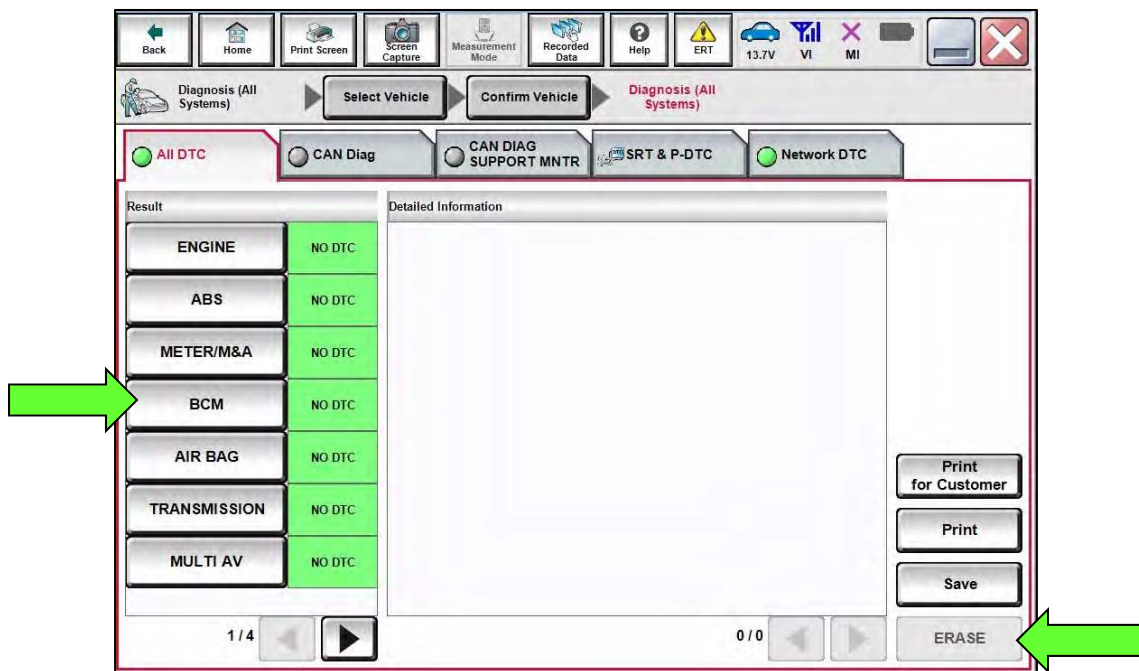


Figure 5

12. Select **BCM** again.

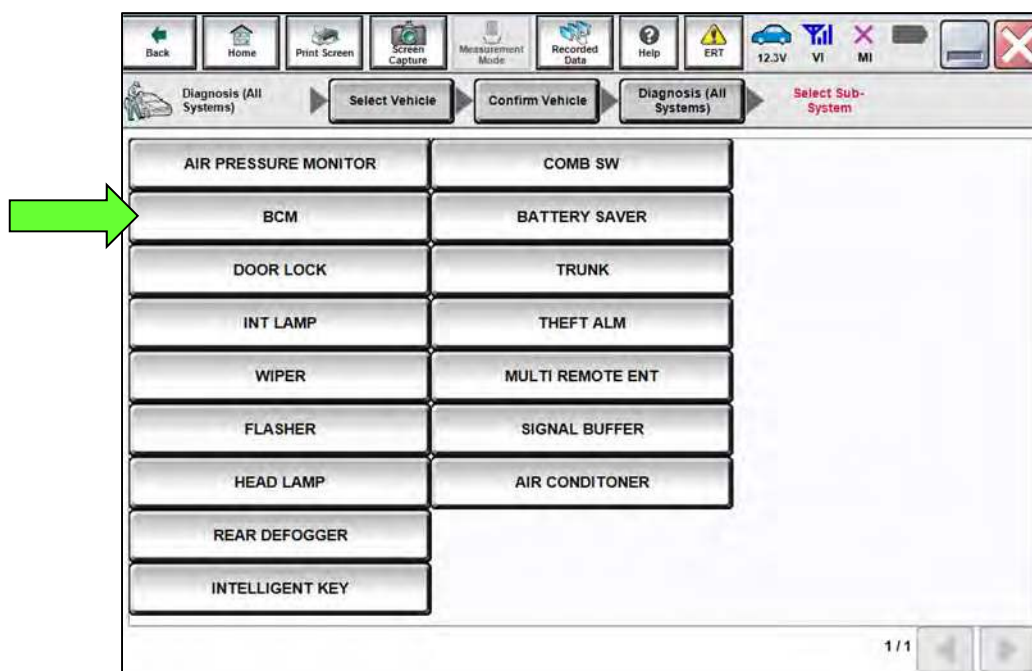


Figure 6

13. Confirm the **CGW Information** icon is "green" (Figure 7).
 - If not "green", start the **SERVICE PROCEDURE** over from step 1 on page 2.
14. Use the arrows to scroll tabs until **ECU Identification** is found, and then select it.

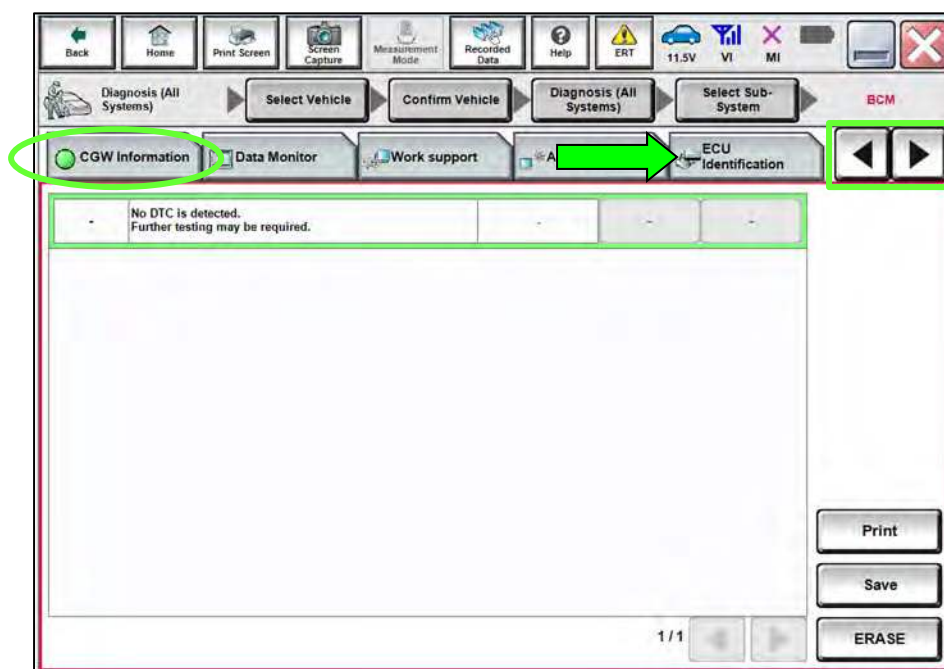


Figure 7

15. Confirm that **ECU PART NUMBER** is "284B33613R" (20MY) or "284B36580R" (21MY).
 - If **ECU PART NUMBER** is "284B33370R", this bulletin does not apply.

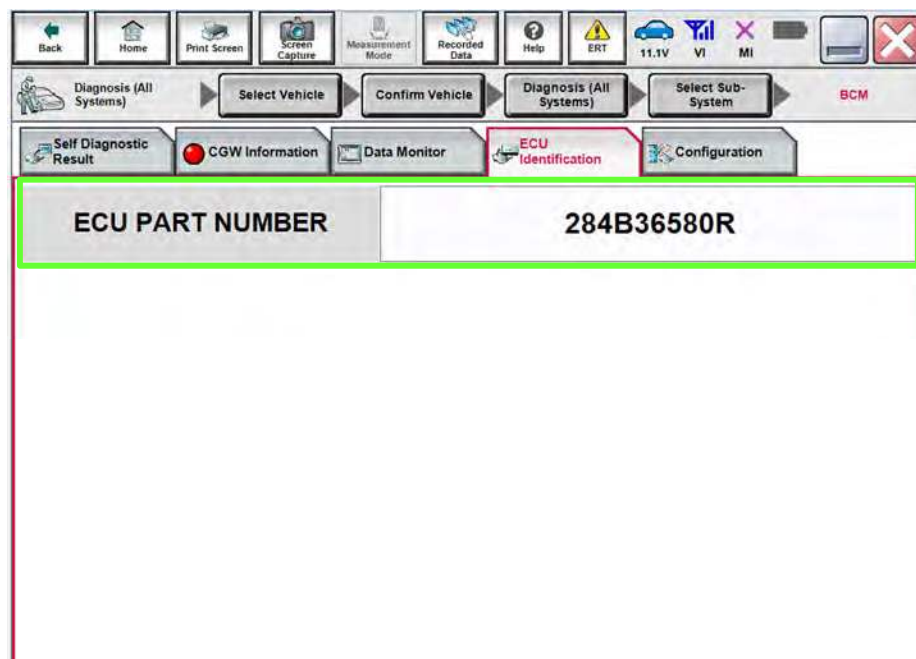


Figure 8

16. Select **Home**.
17. Select **Re/programming, Configuration**.

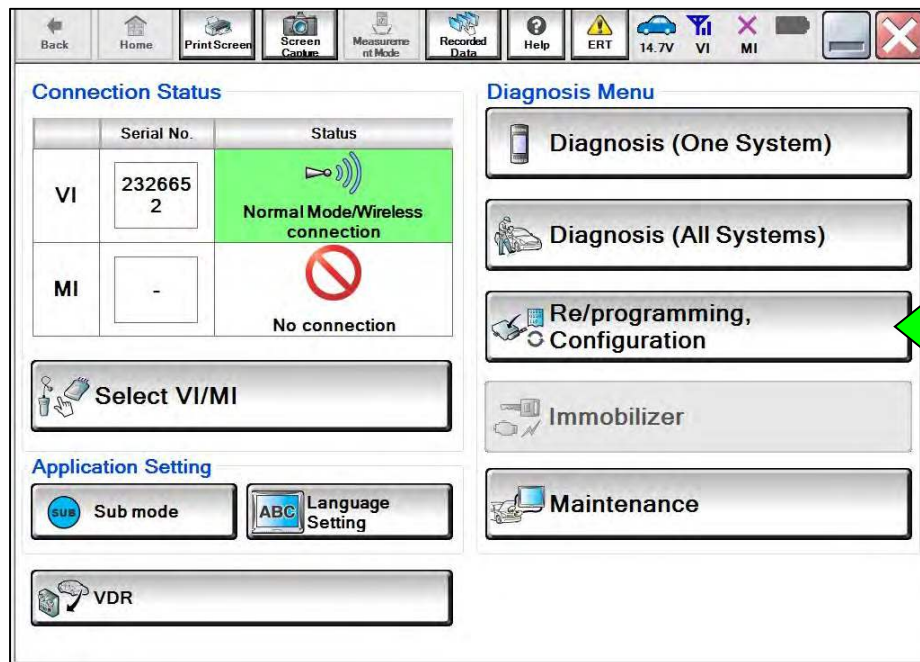


Figure 9

18. Check the box to confirm the precaution instructions have been read, and then select **Next**.

HINT: Use the arrows (if needed) to view and read all the precautions.

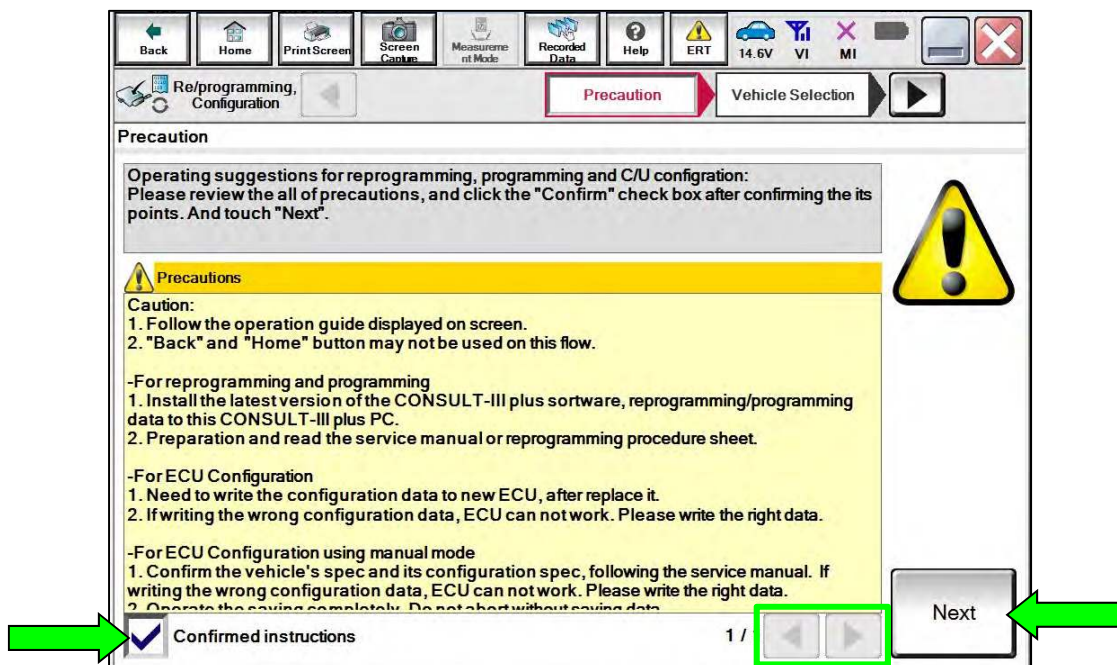


Figure 10

19. Select **Automatic Selection(VIN)**.

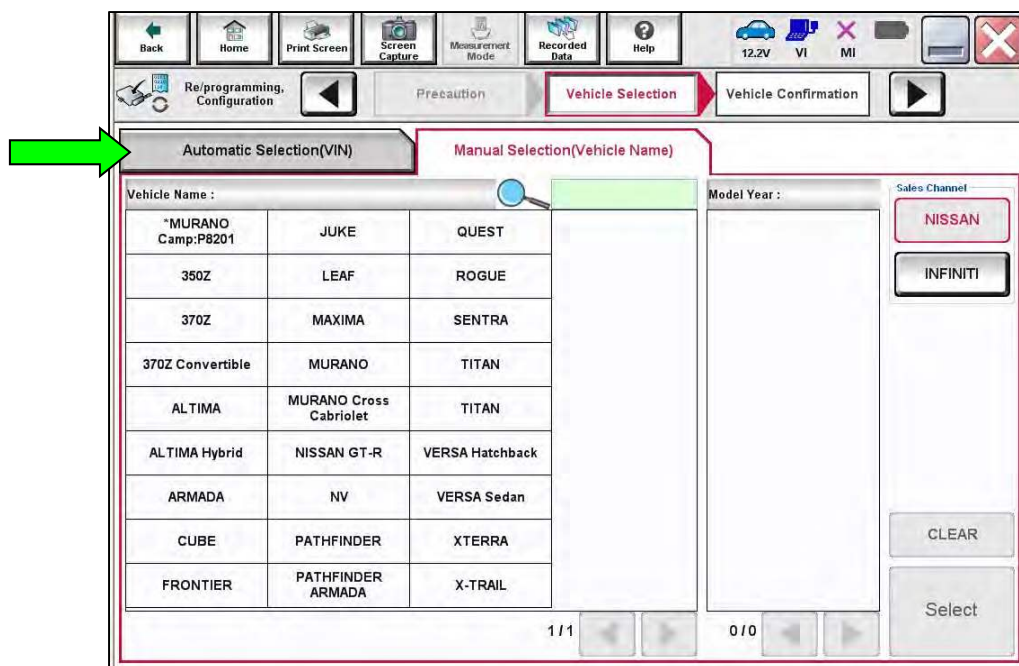


Figure 11

20. Allow the CONSULT to perform automatic VIN selection.

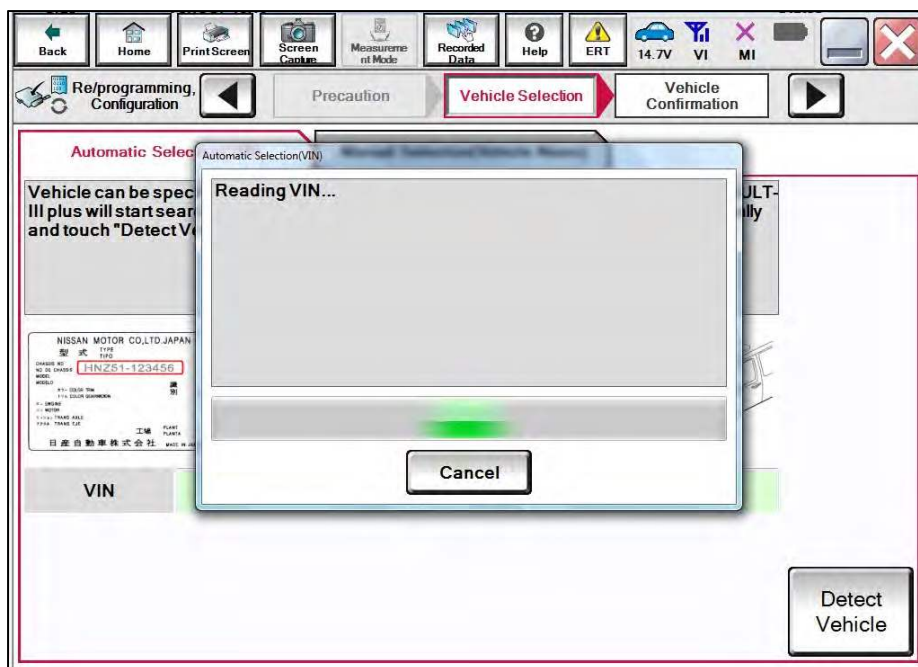


Figure 12

21. Confirm the **VIN or Chassis #** is correct, and then select **Confirm**.

The screenshot shows a software interface with a top toolbar containing icons for Back, Home, Print Screen, Screen Capture, Measurement Mode, Recorded Data, Help, ERT, 14.7V, VI, MI, and a close button. Below the toolbar is a navigation bar with 'Re/programming, Configuration', 'Vehicle Selection', and 'Vehicle Confirmation' (highlighted with a red box). The main area contains a text box with instructions: 'Please confirm selected information and touch "Confirm". In case you want to select another vehicle, touch "Change".' Below this is a table with three rows: 'VIN or Chassis #' with the value 'XXXXXXXXXXXXXXXX', 'Vehicle Name :' with the value 'SENTRA', and 'Model Year' with the value '2020MY'. At the bottom right of the table is a '1 / 1' indicator with left and right arrow buttons. At the bottom right of the screen are two buttons: 'Change' and 'Confirm'. A green arrow points to the 'Confirm' button.

VIN or Chassis #	XXXXXXXXXXXXXXXX
Vehicle Name :	SENTRA
Model Year	2020MY

Figure 13

22. Allow the System call to be performed.

The screenshot shows the same software interface as Figure 13, but with a 'System Call' dialog box overlaid in the center. The dialog box has a title bar that says 'System Call' and contains the text 'System call performing... Please wait...'. Below the text is a green progress bar that is approximately 75% full, with the number '73%' displayed to its right. At the bottom of the dialog box is a 'Cancel' button. The background screen is dimmed, but the 'Vehicle Confirmation' screen is still visible, showing the same table and buttons as in Figure 13.

Figure 14

23. Confirm the VIN is correct for the vehicle, and then select **Confirm**.

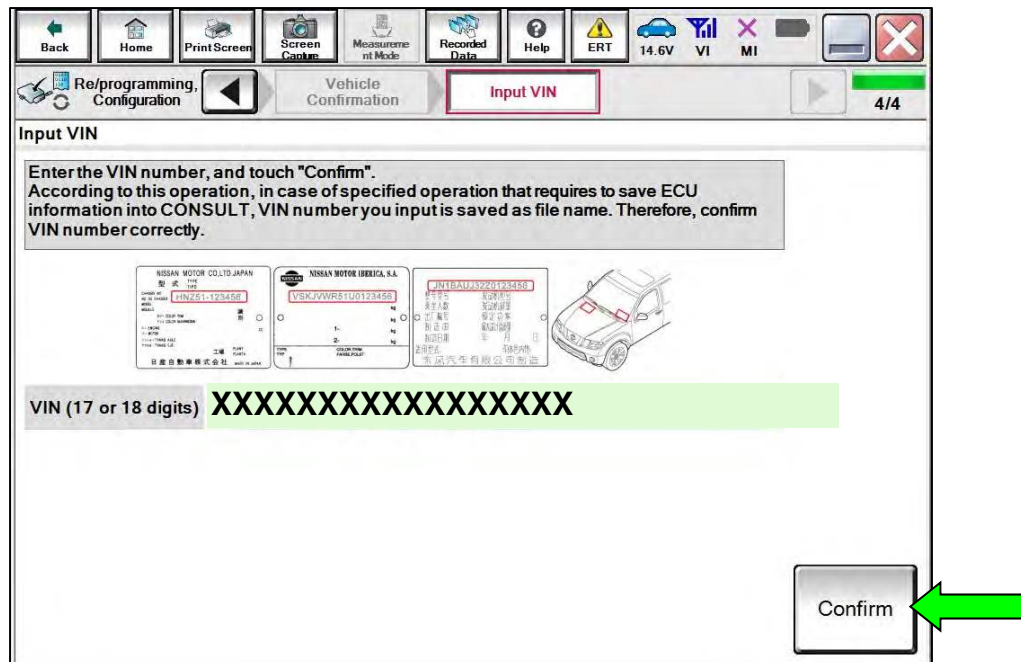


Figure 15

24. Select **BCM**.

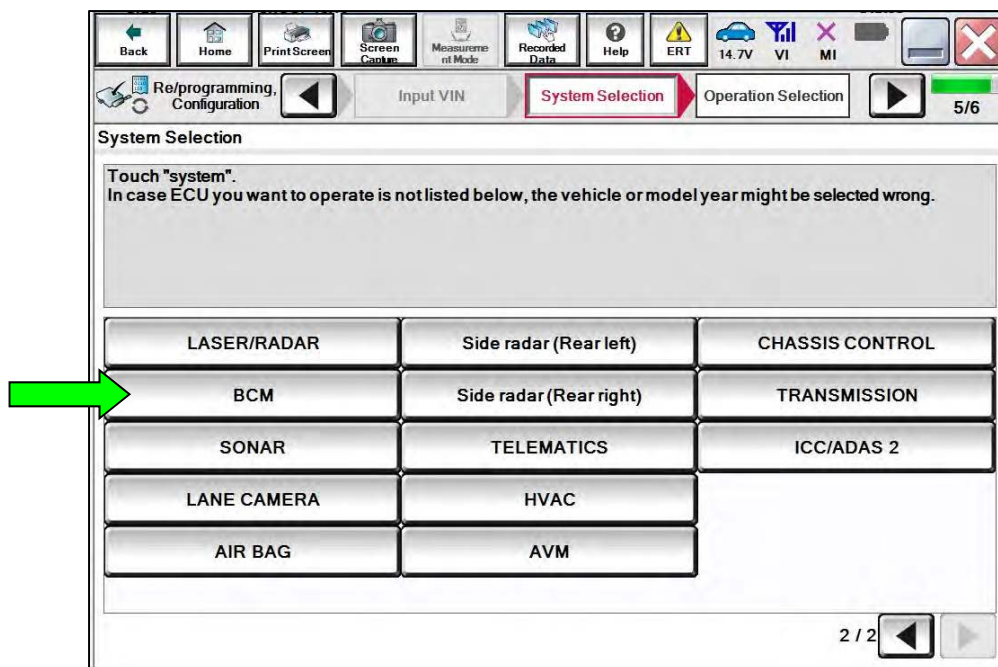


Figure 16

25. Select **Before ECU Replacement** under **VEHICLE CONFIGURATION**.

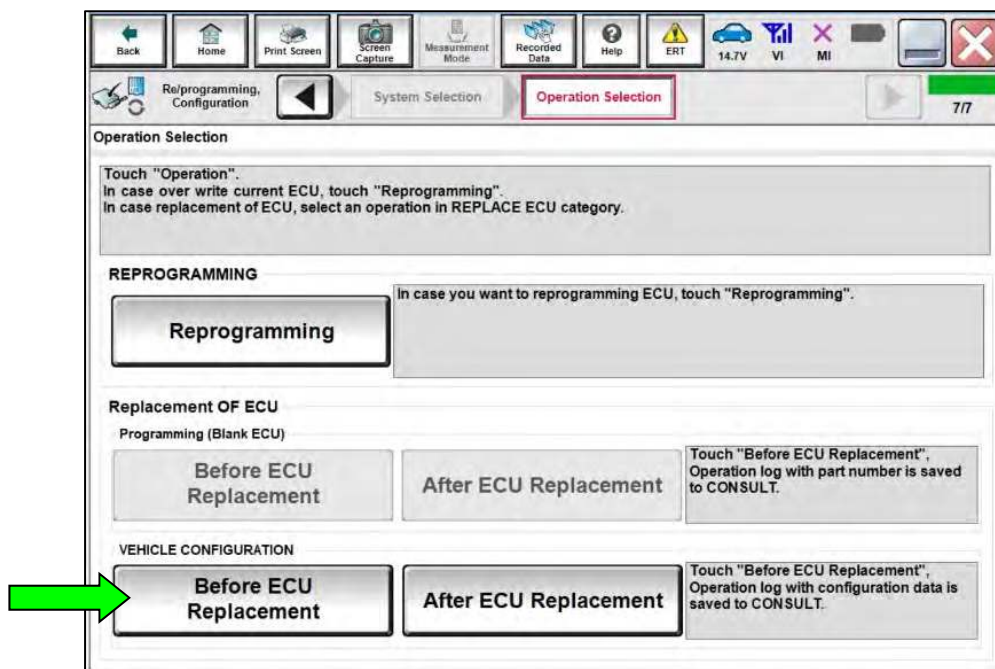


Figure 17

26. Scroll through each of the four pages of configuration items and write down each of the **Items** and their **Setting Value**.

- If a printer is connected to the CONSULT PC, you may select **Print**.

IMPORTANT: Document or print all configuration settings as these settings will be used in step 46 on page 22, and the SAVE function for this reprogram will **NOT** work.

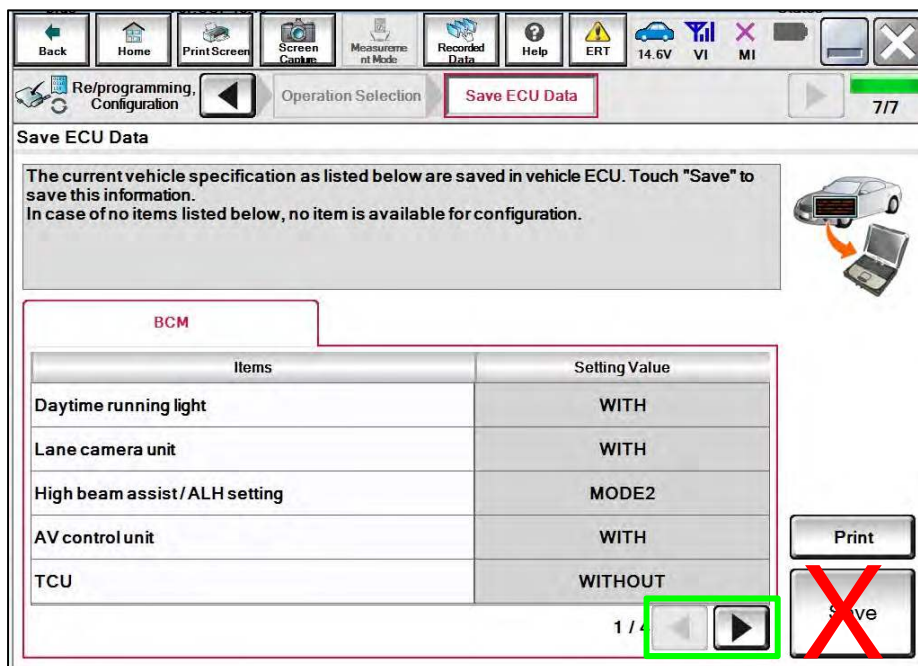


Figure 18

27. Once all the setting values have been documented, select **Back** in the upper left hand portion of the screen.

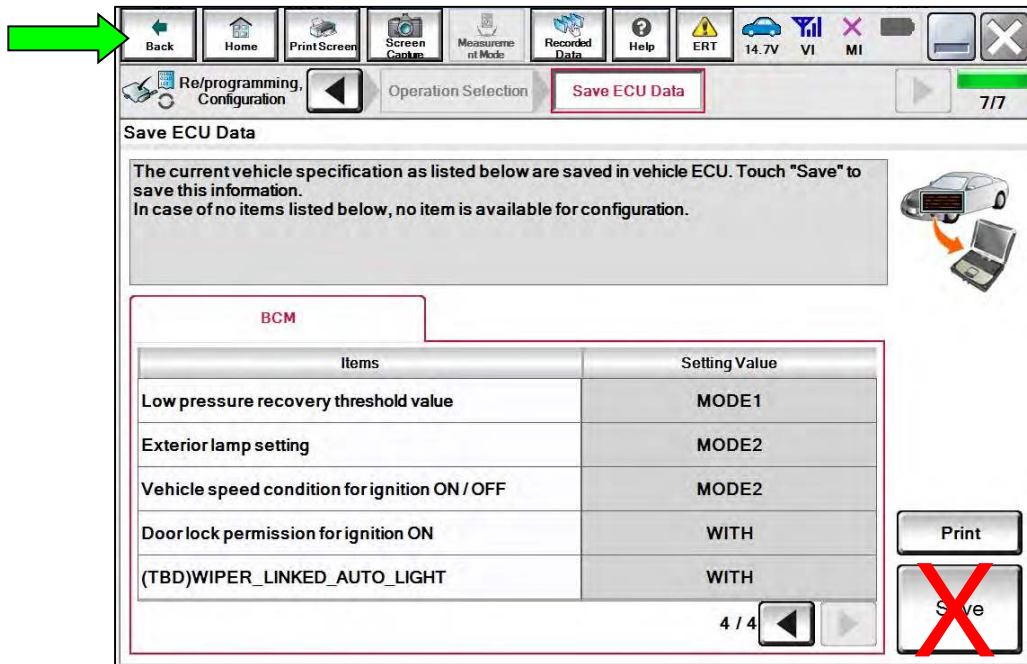


Figure 19

Reprogram the BCM

IMPORTANT: During the reprogramming process some errors are expected. Please follow all of the steps in this procedure to successfully complete the reprogramming process.

28. Select **Reprogramming**.

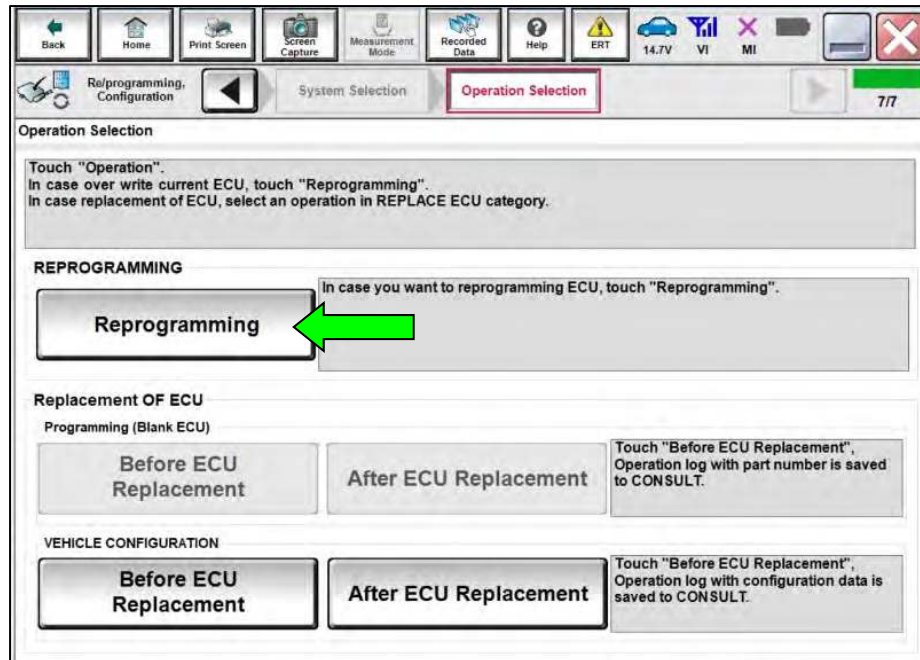


Figure 20

29. Select **Save**.

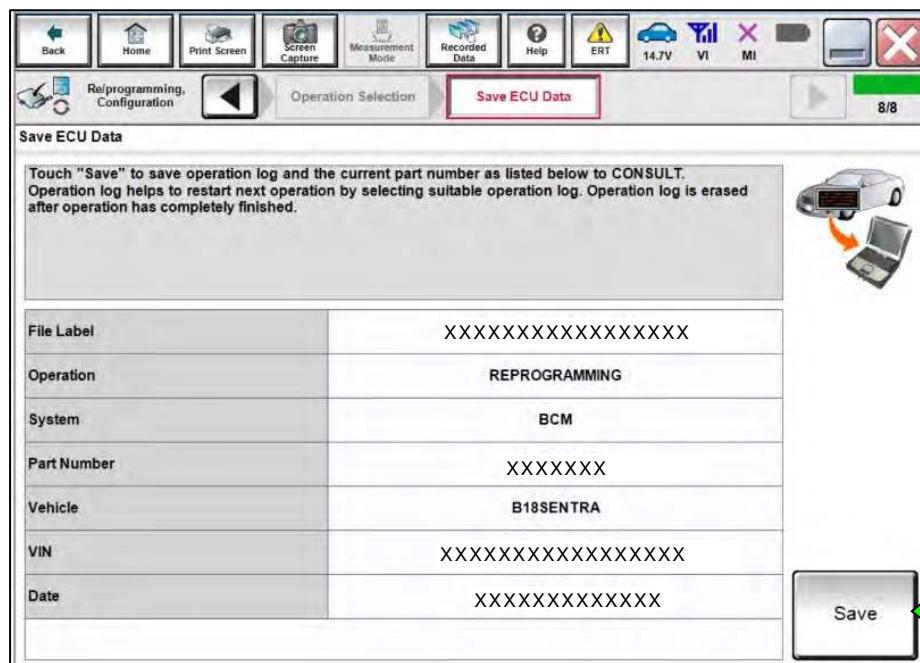


Figure 21

30. Check the box to confirm the precaution instructions have been read, and then select **Next**.

HINT: Use the arrows (if needed) to view and read all the precautions.

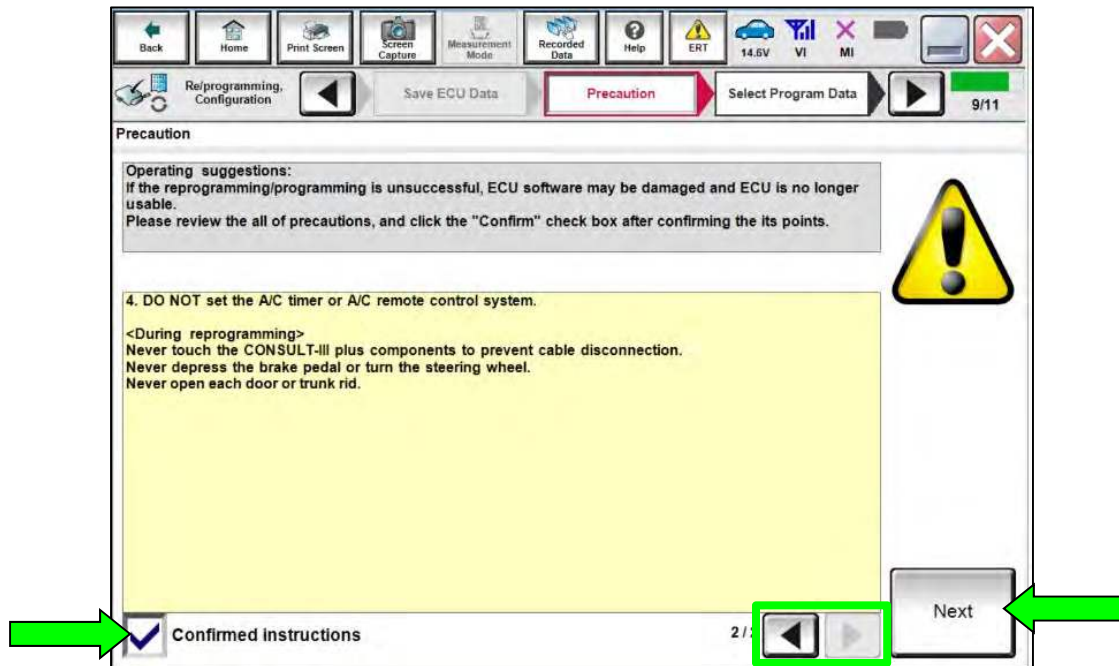


Figure 22

31. Confirm that a reprogram is available.

- If "DTC_P161D_CM" under **Other Information** is listed, select it and then select **Next**.
- If "DTC_P161D_CM" is not listed, this bulletin does not apply. Skip to step 58 on page 28.

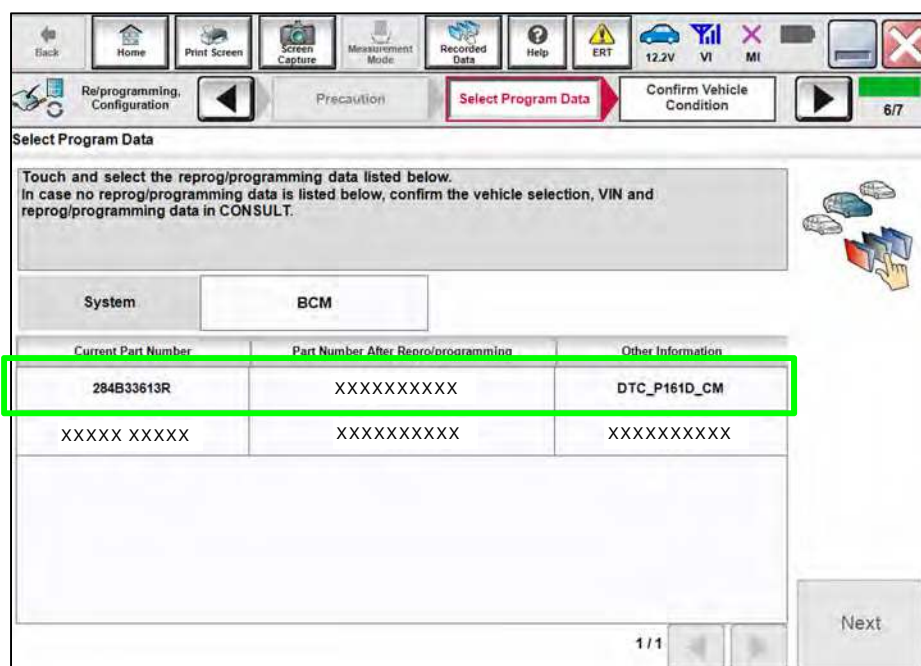


Figure 23

32. Select **Next**.

Confirm the detail listed below, and touch "Next" if OK.
-In case the screen to select reprog/programming data is NOT displayed, only one data is available for this vehicle.
-In case the part number after reprogramming is wrong, touch "Re-select", and confirm the vehicle selection, VIN and reprog/programming data in CONSULT.

Part Number After Repro/programming	XXXXXXXXXX
Current Part Number	XXXXXXXXXX
Vehicle	SENTRA B18
VIN	XXXXXXXXXXXXXXXXXXXX
System	BCM
Other Information	B18 BCM
Expected time to finish re/programming	10min

Re-select

Next

Figure 24

33. Confirm the battery charger is ON and the battery voltage is between 12.0V-15.5V, and then select **Next**.

Operate according to the following procedures.

- 1 Remove the terminal caps of battery, and connect battery charger to battery.
- 2 Adjust the battery charger output so that the vehicle battery voltage is between 12.0V and 13.5V. The vehicle battery voltage is shown on the top-right of this screen..
- 3 Confirm the RESULT is OK, touch "Next".

Result OK

Next

Figure 25

34. Confirm the **BATTERY VOLTAGE** Judgment is "OK", and then select **Start**.

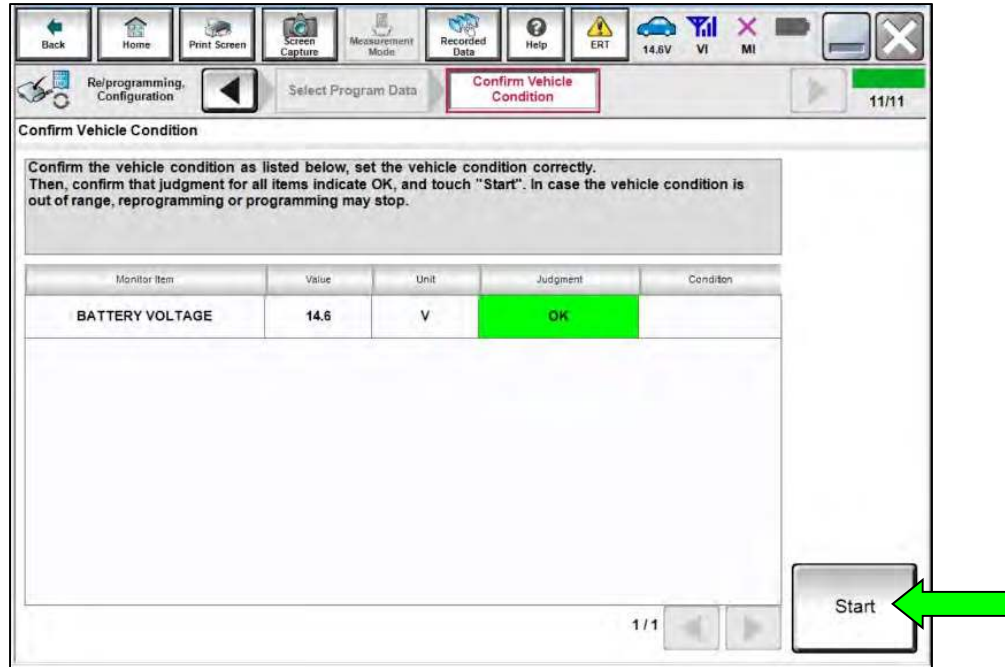


Figure 26

35. Allow CONSULT to reprogram the BCM.

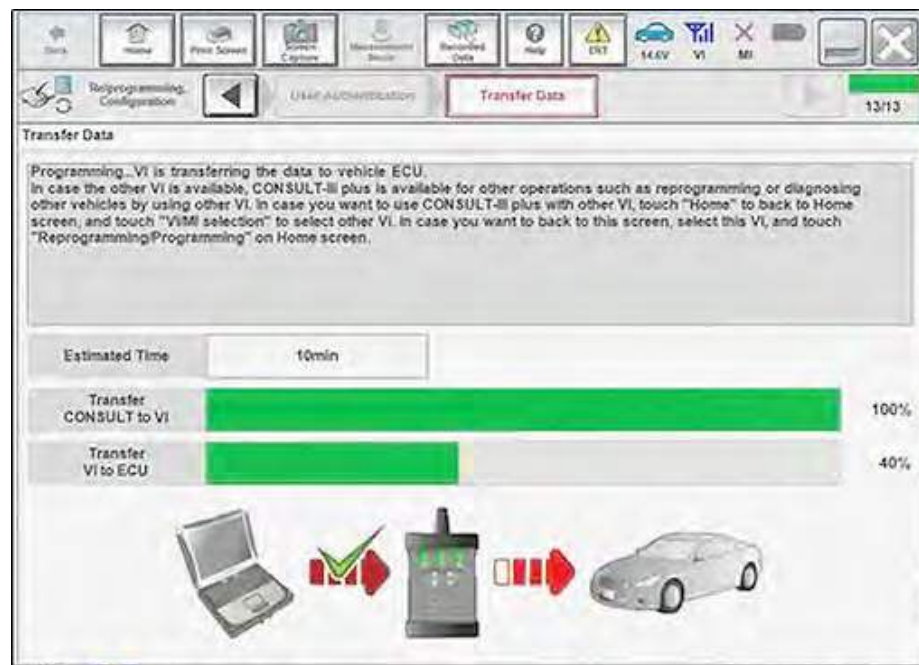


Figure 27

36. Toward the end of the reprogram, the CONSULT will show **Error Code** "Reprogramming Ignition off Error" and the vehicle ignition will turn OFF.
 - a. Turn the ignition ON, engine OFF.
 - b. Select **Retry**.

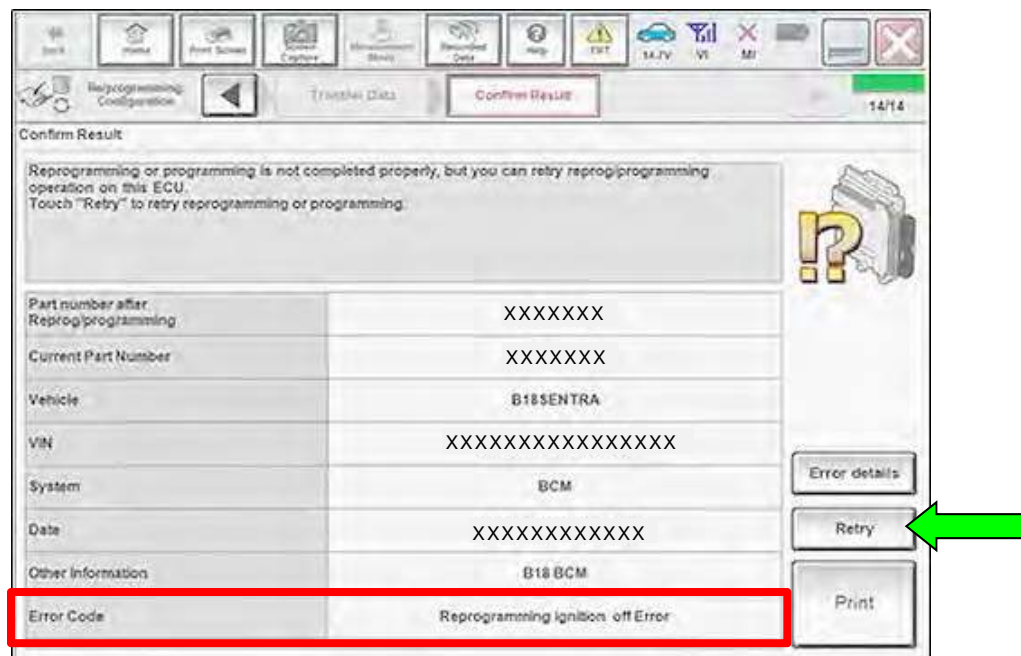


Figure 28

37. Confirm the battery voltage **Judgement** is "OK", and then select **Start**.

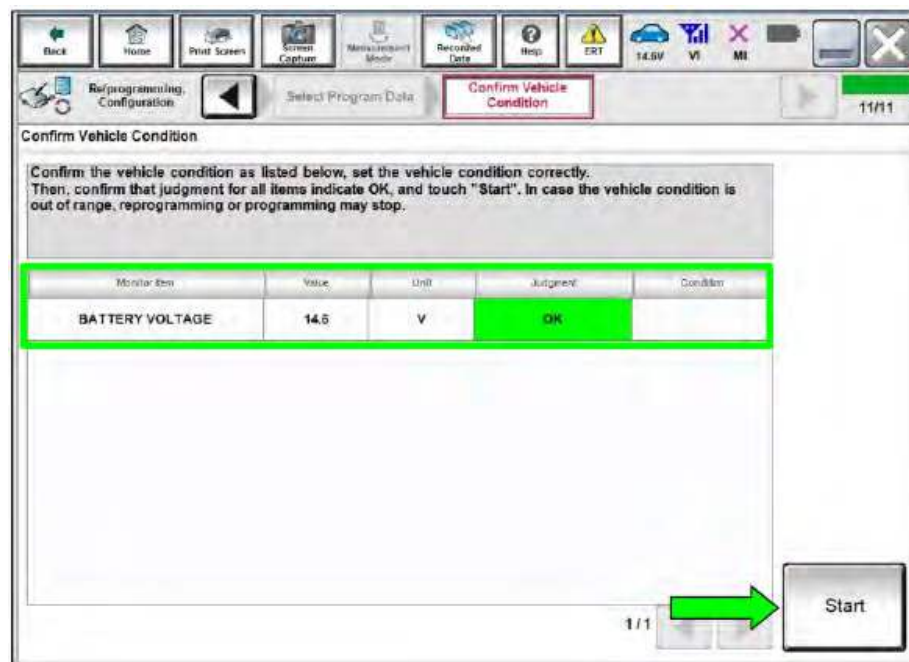


Figure 29

38. If **Error Code** description “Reprogramming Not Needed” is displayed after **Start** is selected, the reprogramming has successfully completed. Proceed to step 39 on page 20.

HINT: If the screen in Figure 30 does not display (indicating that reprogramming did not complete), refer to the information on the next page.

Part number after Reprogramming	XXXXXXX
Current Part Number	XXXXXXX
Vehicle	XXXXXXX
VIN	XXXXXXXXXXXXXXXXXX
System	BCM
Date	XXXXXXXXXX
Other Information	B18 BCM
Error Code	Reprogramming Not Needed

Figure 30

BCM Unit Recovery

Do not disconnect the VI or shut down CONSULT if reprogramming does not complete.

If reprogramming does not complete and the “!” icon displays, as shown in Figure 31:

- Check battery voltage (12.0 - 15.5 V).
- Ignition is ON, engine OFF. Or if EV in Ready Mode.
- 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.

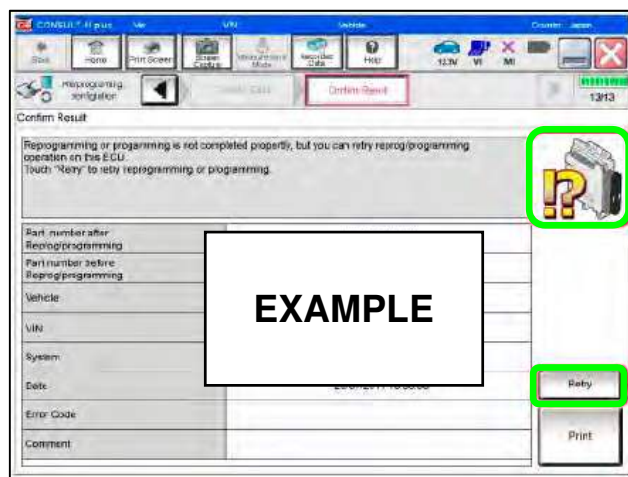


Figure 31

If reprogramming does not complete and the “X” icon displays, as shown in Figure 32:

- Check battery voltage (12.0 - 15.5 V).
- CONSULT A/C adapter is plugged in.
- Ignition is ON, engine OFF. Or if EV in Ready Mode.
- Transmission is in Park.
- All CONSULT VI cables are securely connected.
- All C-III plus updates are installed.
- Select **Home**, and restart the reprogram procedure from the beginning.

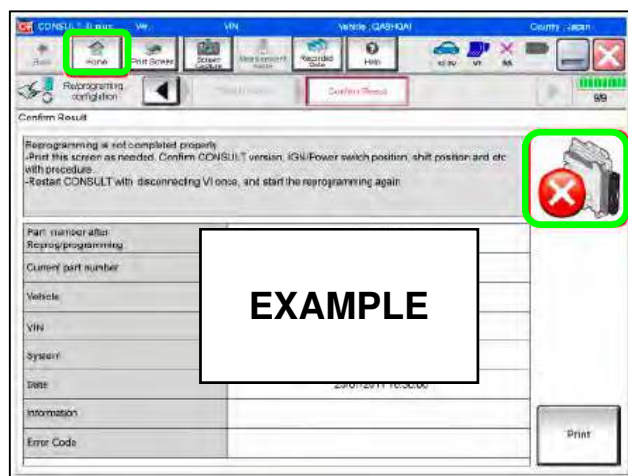


Figure 32

Configure the BCM

IMPORTANT: Approximately 90 seconds after the reprogram has completed, the BCM will enter battery saver mode and will turn the ignition OFF.

- Periodically check the vehicle to verify the ignition is still ON and turn the ignition to the ON position as needed.
- This condition will no longer be present after the BCM has been configured.

39. Select **Home**, and then select **Re/programming, Configuration**. Figure not shown.
40. Check the box to confirm the precaution instructions have been read, and then select **Next**. Figure Not shown.
41. Confirm the **VIN or Chassis #** is correct, and then select **Confirm**. Figure Not shown.
42. Select **Other Operation** (Figure 33).

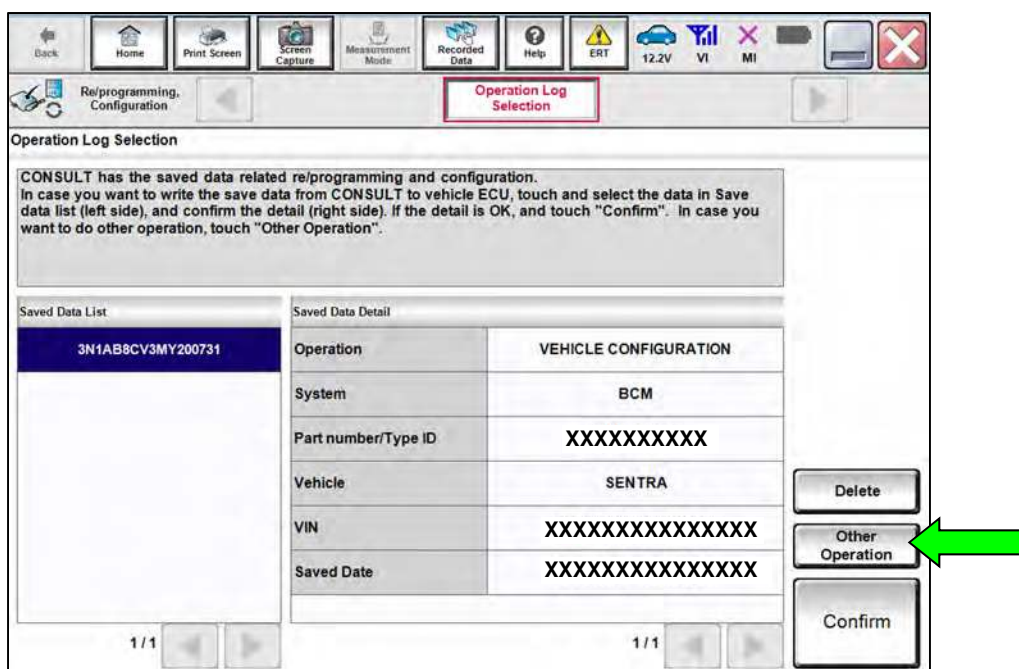


Figure 33

43. Select **BCM**.

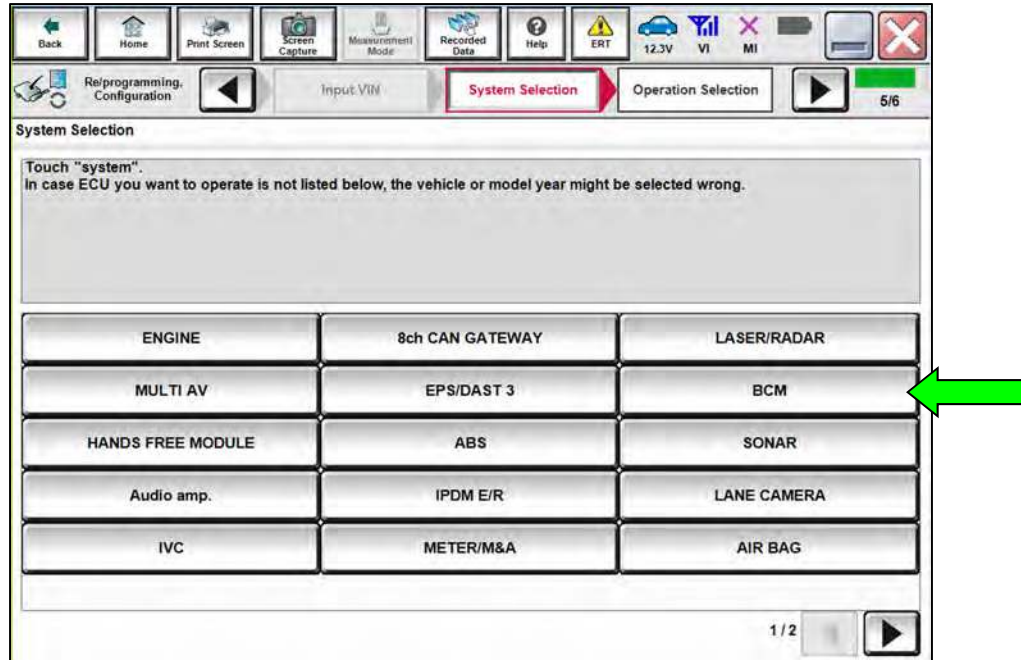


Figure 34

44. Select **After ECU Replacement** under **VEHICLE CONFIGURATION**.

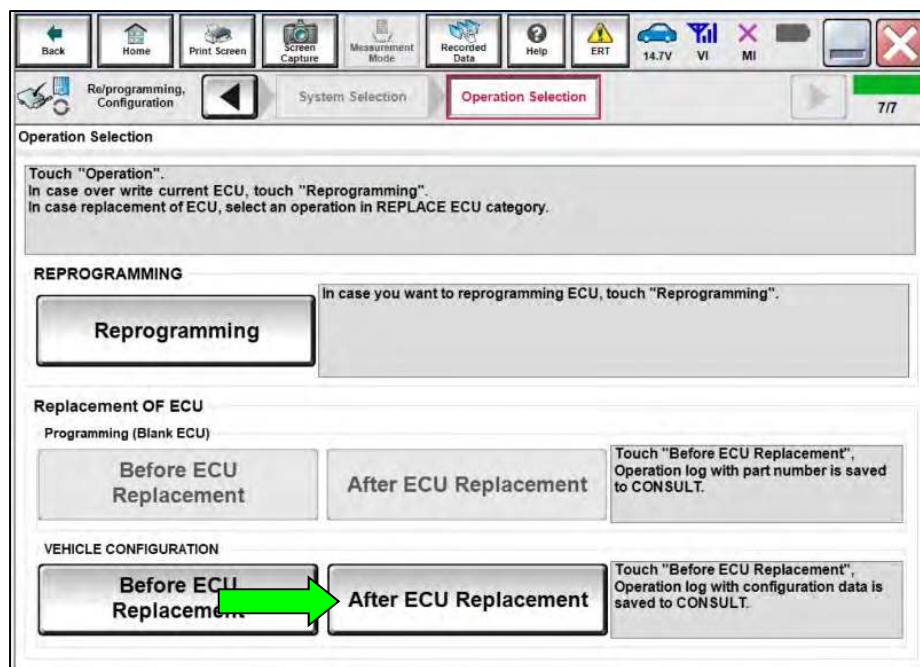


Figure 35

45. Select **Manual selection**.

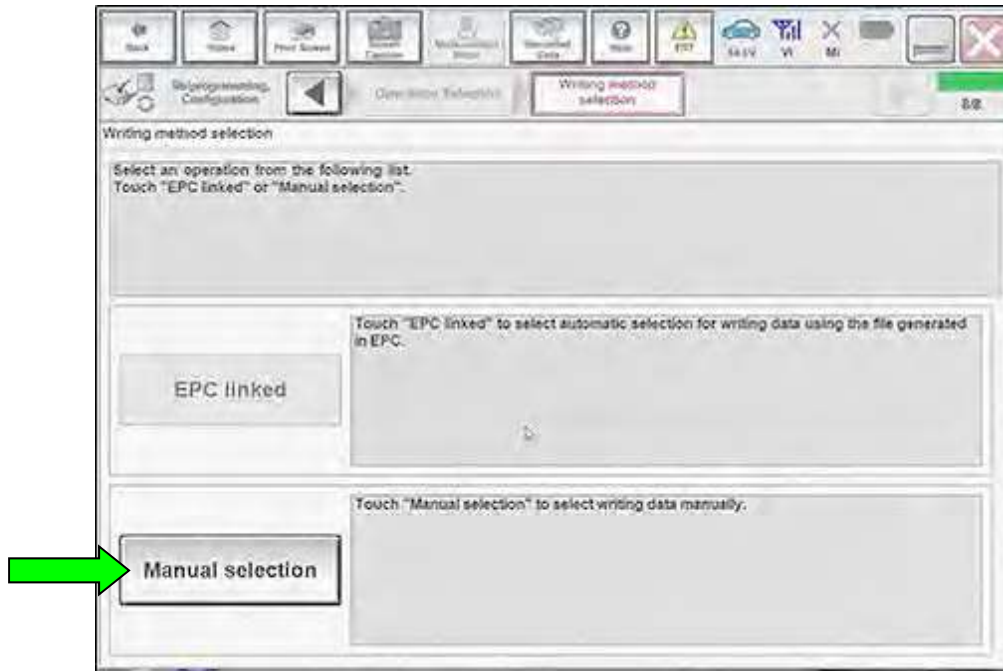


Figure 36

46. Select the **Setting Value** for each of the **Items** that was documented in step 26 on page 11, and then select **Next**.

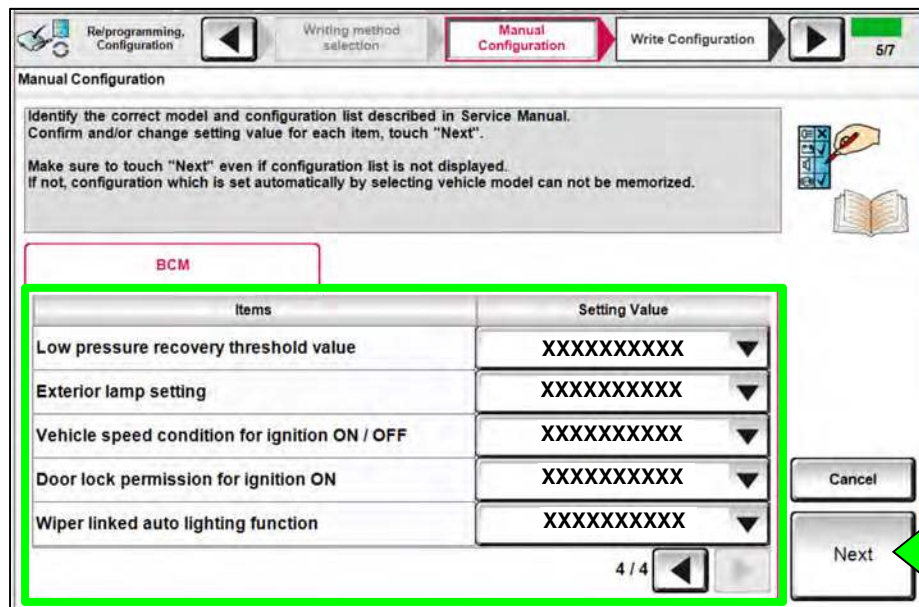


Figure 37

47. Select **OK** to write the configuration.

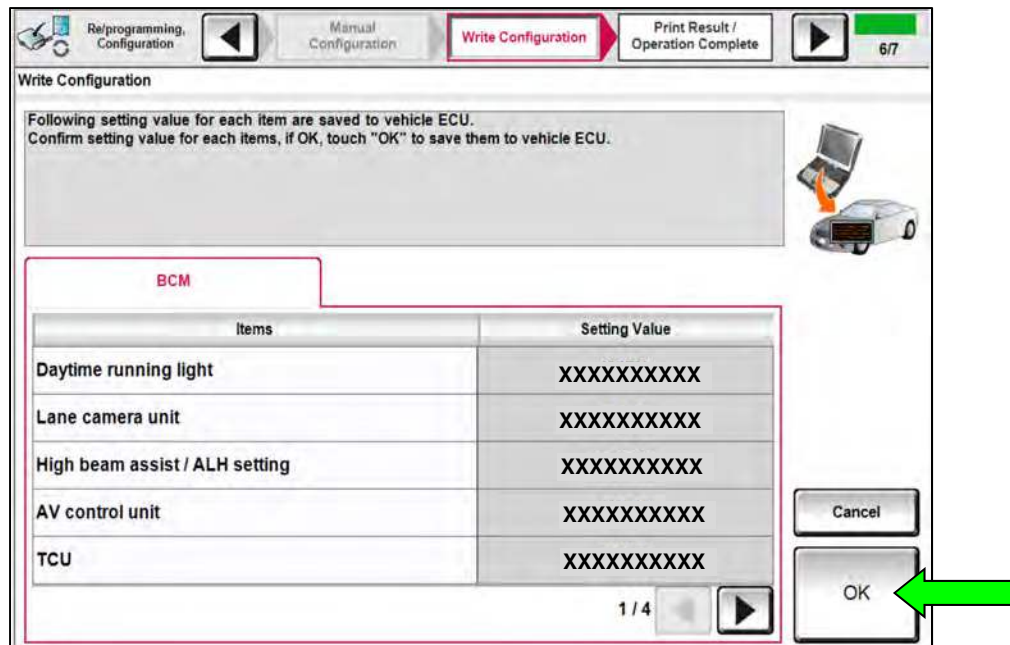


Figure 38

48. Allow the configuration to write to the BCM.

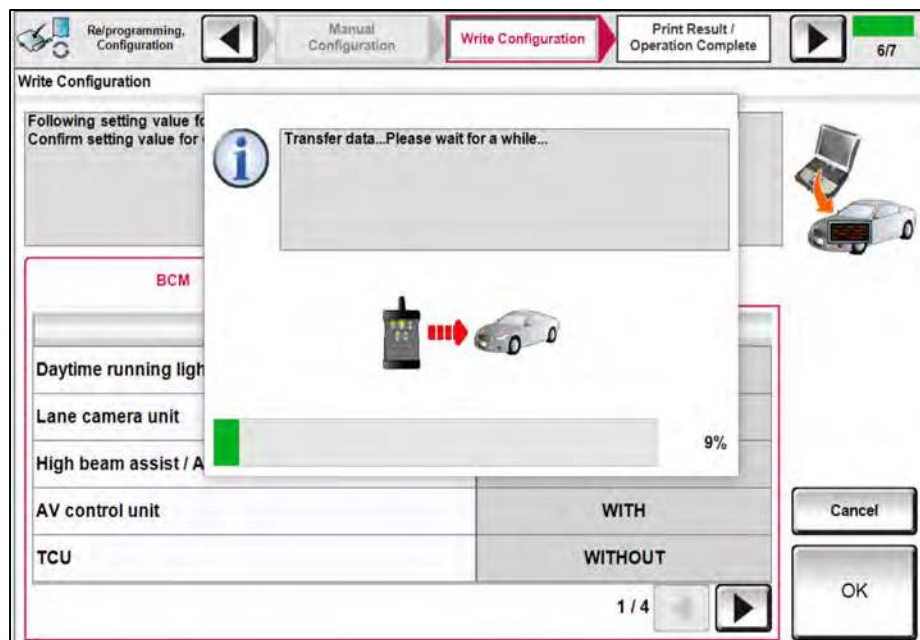


Figure 39

49. Select **End**.

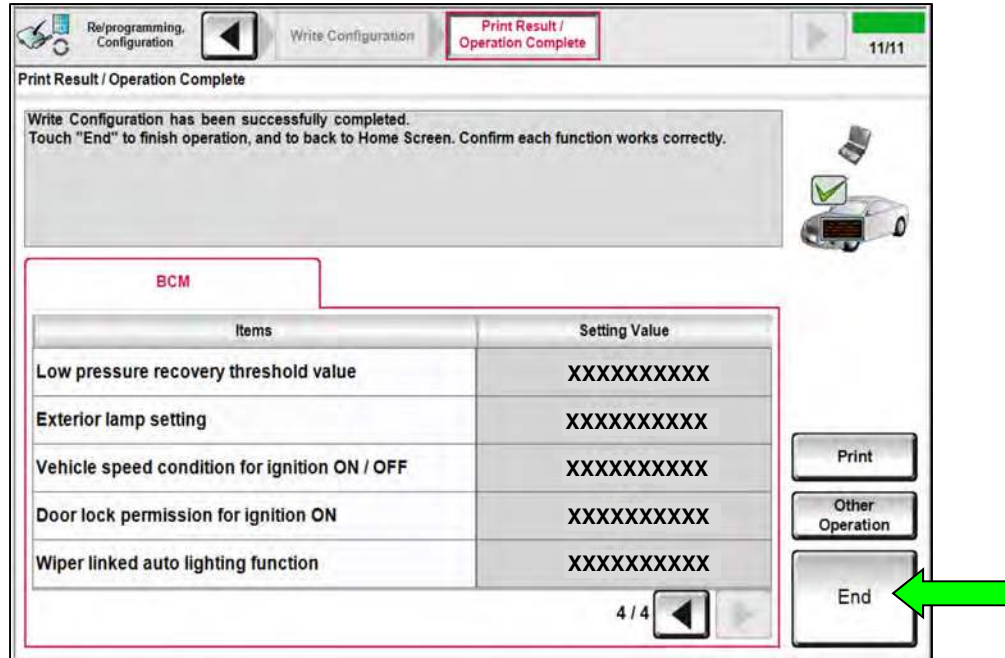


Figure 40

Register TPMS Sensors

50. Register the TPMS sensors.

- Refer to the ESM: **SUSPENSION > ROAD WHEELS & TIRES > BASIC INSPECTION > ID REGISTRATION PROCEDURE.**

Erase DTCs

51. Select **Diagnosis (All Systems)**.

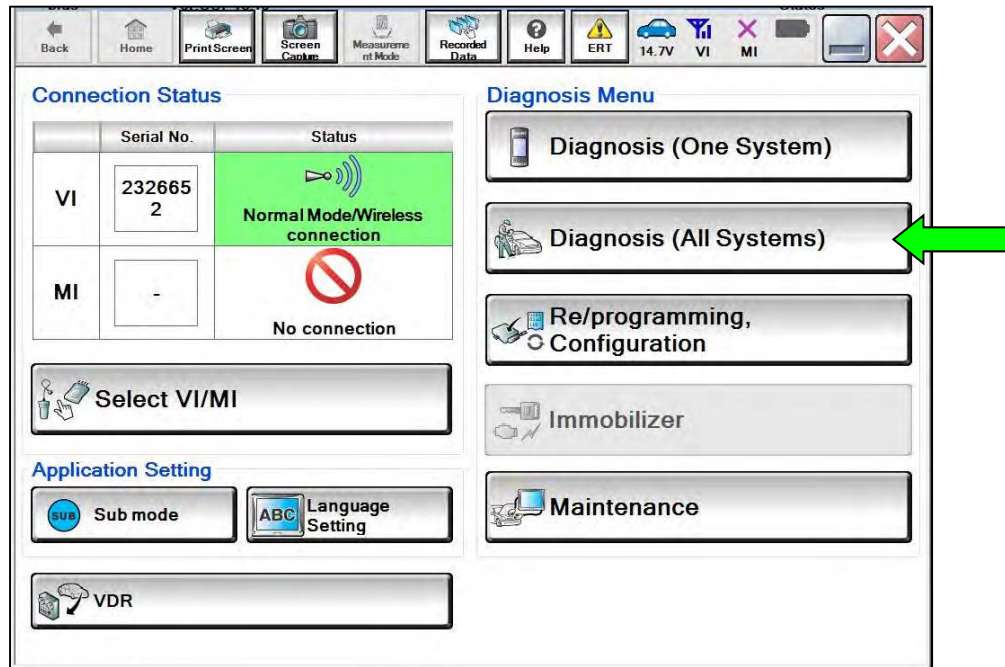


Figure 41

52. Select **Automatic Selection(VIN)**.

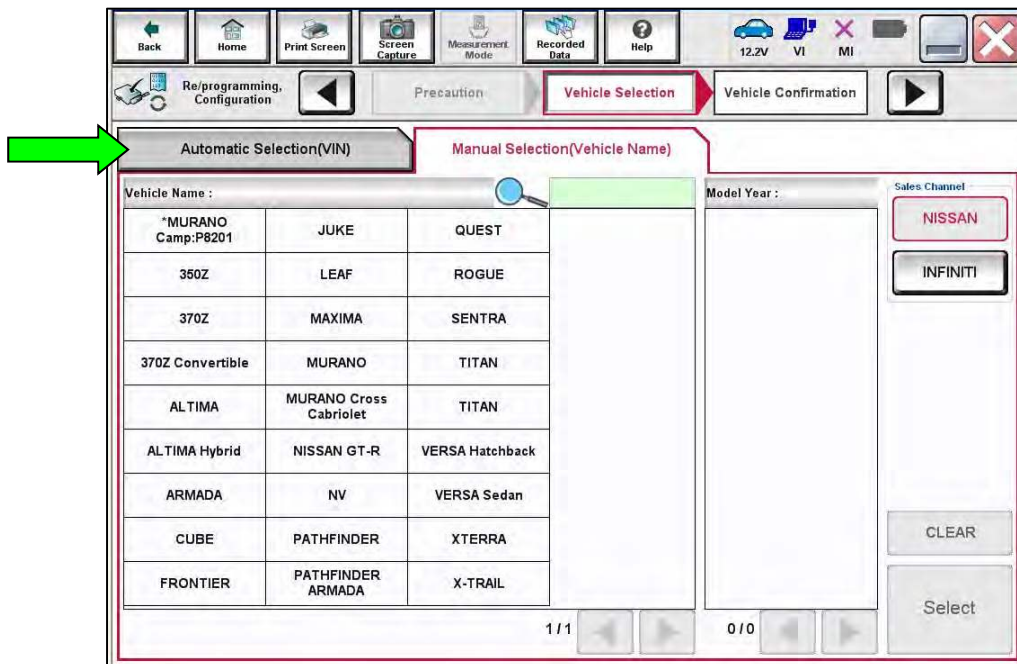


Figure 42

53. Allow the CONSULT to perform automatic VIN selection.

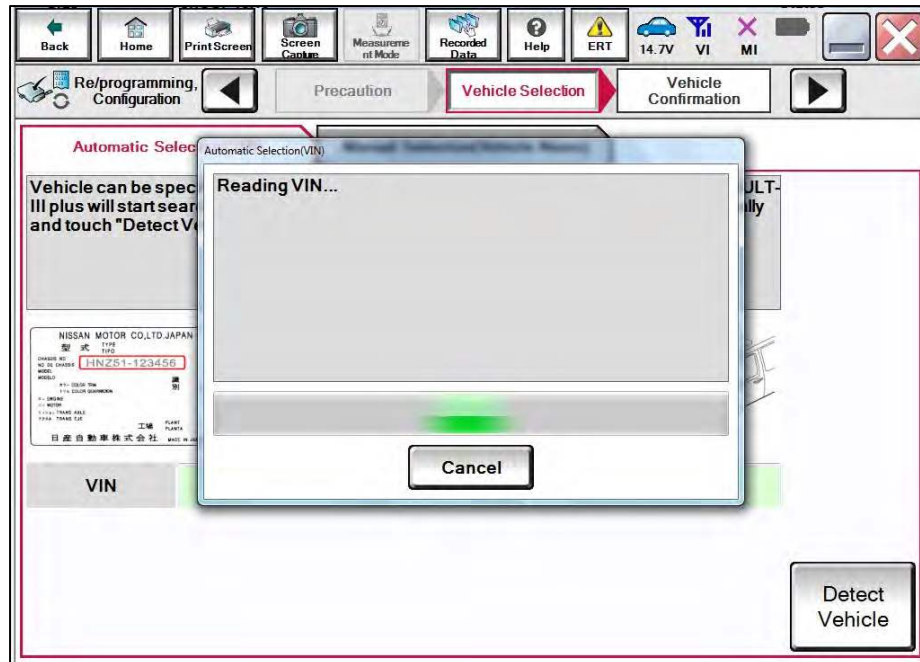


Figure 43

54. Confirm the **VIN or Chassis #** is correct, and then select **Confirm**.

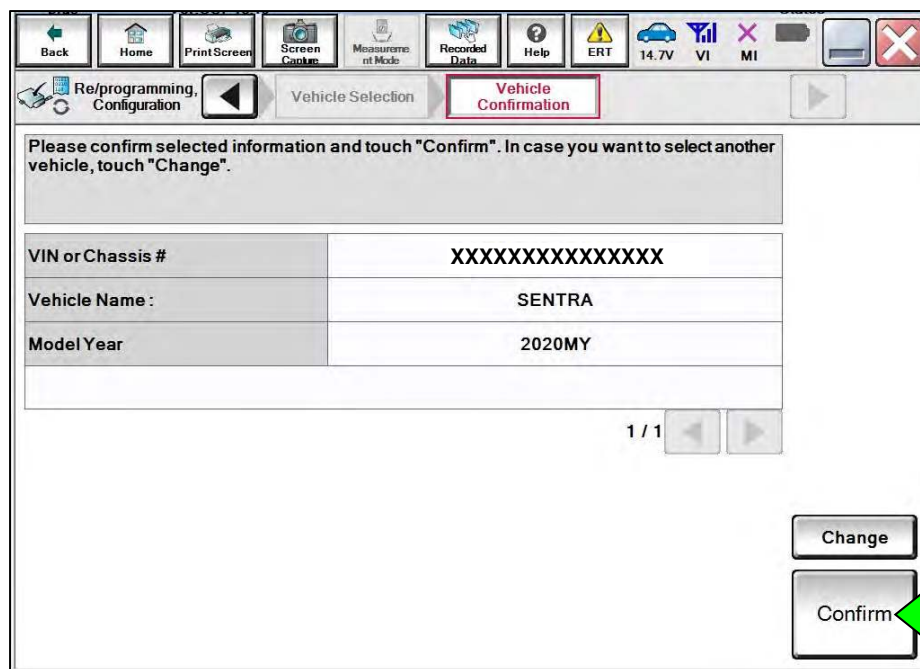


Figure 44

55. Select **ERASE**.



Figure 45

56. Select **Execute**.

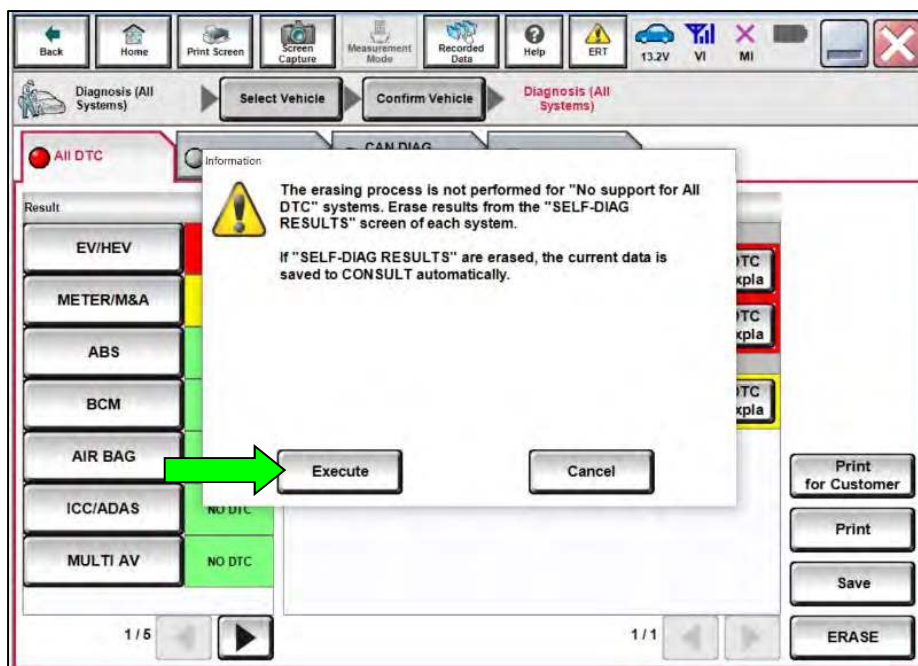


Figure 46

57. Select **Close**.

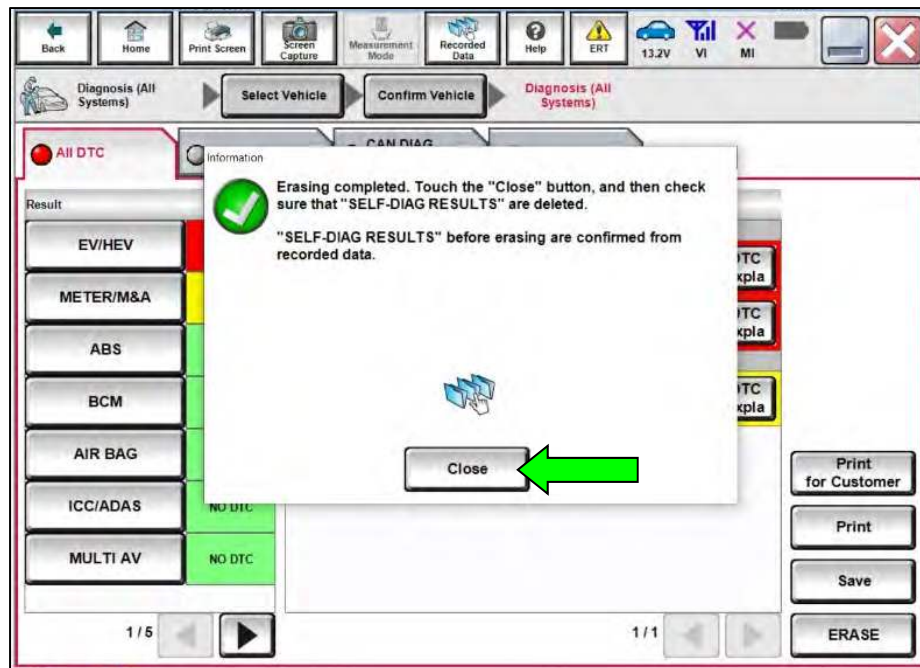


Figure 47

58. Close the C-III plus application.

59. Remove the VI from the vehicle.

CLAIMS INFORMATION

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

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
Reprogram and Configure the BCM	(1)	RXC4AA	ZE	32	0.9

- (1) Reference the electronic parts catalog and use the Body Control Module (284B1-*****) as the Primary Failed Part (**PFP**).

AMENDMENT HISTORY

PUBLISHED DATE	REFERENCE	DESCRIPTION
October 26, 2022	NTB22-094	Original bulletin published

