



QUALITY ACTION

CAMPAIGN

Radar and/or Advanced Drive Assist System (ADAS) Reprogram

Reference: PC637
Date: August 17, 2018

Attention: Dealer Principal, Sales, Service & Parts Managers

Affected Models/Years:	Affected Population:	Dealer Inventory:	SERVICE COMM Activation date:	Stop Sale In Effect
2018 Rogue (T32)	NA	~16,968	August 17, 2018	NO

******* Quality Action Summary *******

Nissan is conducting a quality action to reprogram the Laser Radar and Advanced Drive Assist System (ADAS) software the on specific MY2018 Rogue (T32) vehicles built in the Smyrna, TN manufacturing plant. These vehicles are either currently in dealer inventory or assigned and in transit to the dealer.

The software update is designed to help improve the performance of Automatic Emergency Braking (AEB), Forward Emergency Braking (FEB), and Forward Collision Warning (FCW) systems in the affected vehicles.

******* What Dealers Should Do *******

1. Verify if vehicles are affected by this quality action using Service Comm or National Service History – Open Campaign I.D. **PC637**.
 - New vehicles in dealer inventory can also be identified using DBS (Sales-> Vehicle Inventory, and filter by Open Campaign).
 - Refer to NPSB 15-460 for additional information
 - **Please continue to check newly arriving inventory for campaign applicability.**
2. Use the attached procedure to reprogram the Laser Radar and/or Advanced Drive Assist System (ADAS) control unit software.
3. Dealers are requested to remedy any affected vehicle in dealer new inventory prior to sale to ensure customer satisfaction.

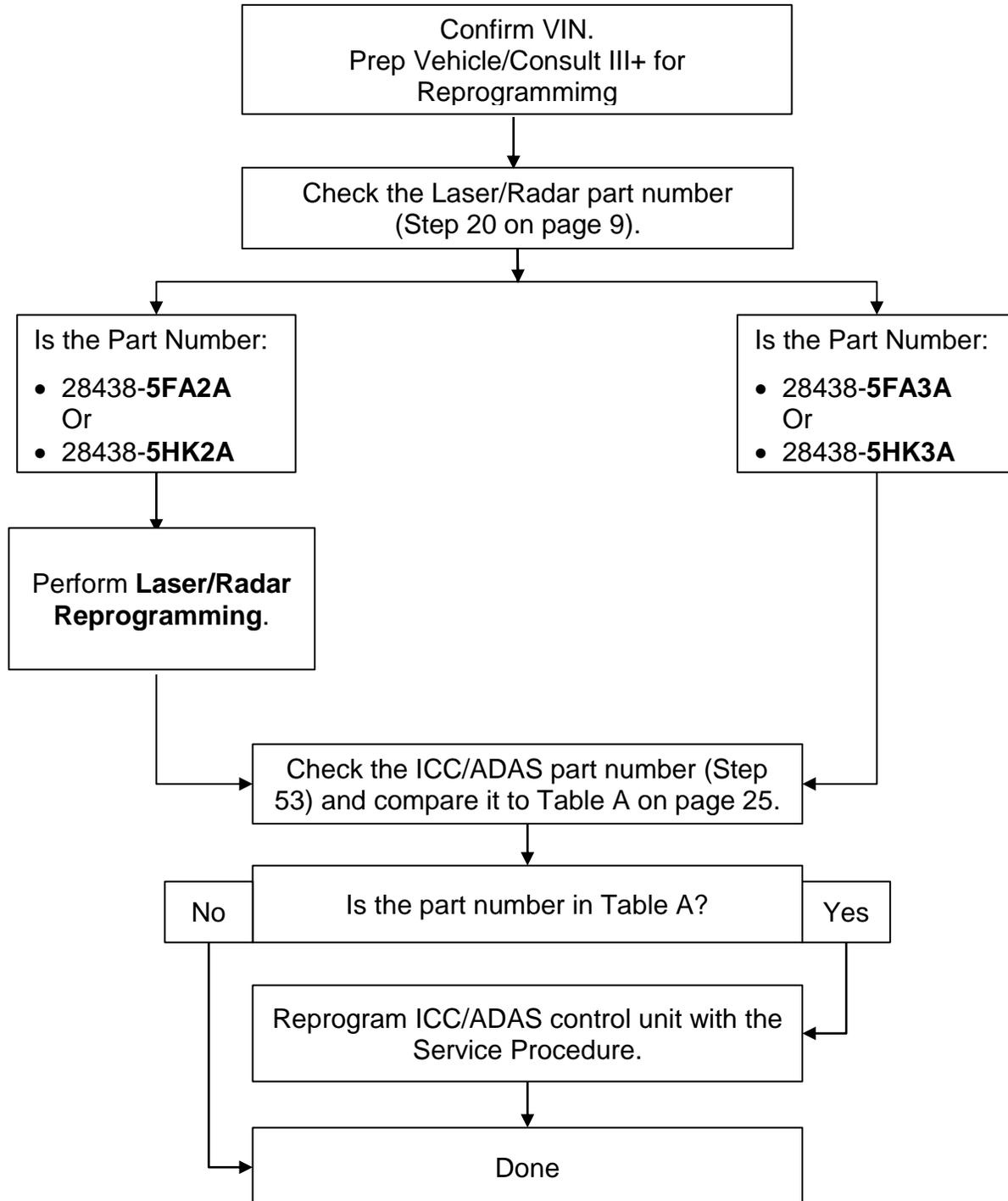
Thank you for your prompt attention to this matter.

NISSAN NORTH AMERICA, INC.
Aftersales DIVISION



PC637 – ROGUE/ROGUE HYBRID RADAR & ADAS REPROGRAM

Repair Overview



NOTE: If neither reprogramming, nor the replacement of the Laser/Radar control unit were performed, refer to the Electronic Service Manual (ESM) for further diagnostic information.

SERVICE PROCEDURE

Radar & ADAS Reprogramming

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) software updates (if any) have been installed.**

NOTE: The CONSULT PC automatically gets applicable reprogramming data during ASIST synchronization.

- A screen print for Warranty documentation can be done from the CONSULT PC during this process while still connected to the vehicle.
- **The CONSULT PC is connected to the internet via a cable or Wi-Fi.**
 - Later in the procedure you will be required to enter a User Name and Password.
 - The CONSULT PC must be connected to the Internet.
 - If you do not know your User Name and Password, contact your Service Manager.
- **No DTCs stored.**
 - Use C-III plus to perform Self Diagnosis for all systems.
 - If there are any DTCs; erase DTCs **before** continuing.

1. Connect the plus Vehicle Interface (plus VI) to the vehicle.

- Make sure to use the correct VI for C-III plus (plus VI).

CAUTION: Make sure the plus VI is securely connected. If the plus VI connection is loose during reprogramming, the process will be interrupted and the control unit may be damaged.

2. Connect the AC Adapter to the CONSULT PC.

CAUTION: Be sure to connect the AC Adapter. If the CONSULT PC battery voltage drops during reprogramming, the process will be interrupted and the control unit may be damaged.

3. Connect the GR-8 to the vehicle 12V battery:

- Set the GR-8 to “Power Supply” mode.

3a. Hybrid Vehicle GR-8 set-up:

- Locate the fusible link box behind the engine cleaner.
- Push the tab in and lift up to remove the lid and expose the remote positive battery terminal.
- Connect GR-8 Positive cable to remote positive 12V battery terminal.
- Connect GR-8 Negative cable to engine or body ground.

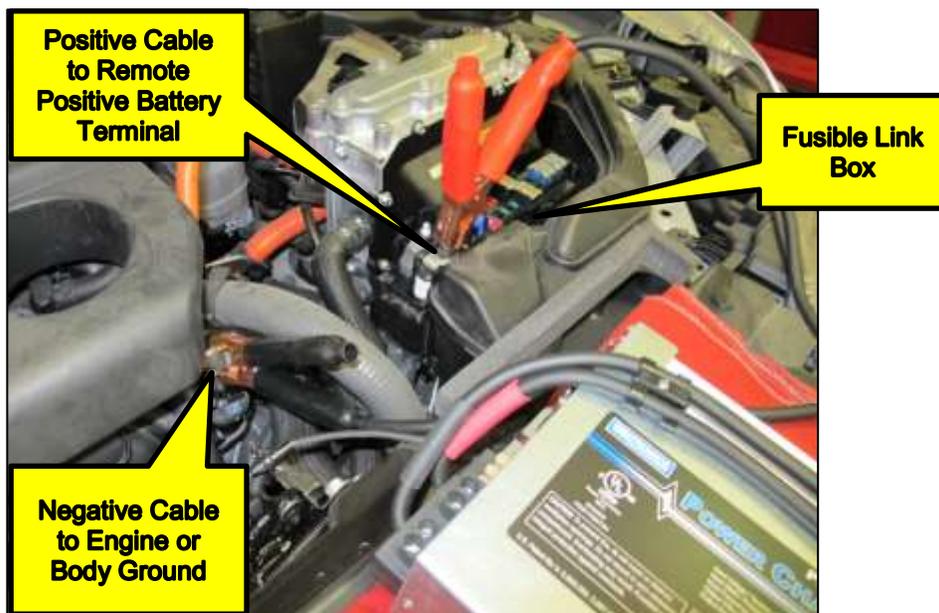


Figure 1

CAUTION : DO NOT use a standard battery charger for Hybrid vehicles. Make sure to connect the GR-8 securely to the 12V battery. Make sure the battery voltage stays between 12.0V and 15.5V during reprogramming. If the battery voltage goes out of this range during reprogramming, the **control unit may be damaged**.

4. Turn OFF all external Bluetooth® devices (e.g., cell phones, printers, etc.) within range of the CONSULT PC and the VI.

CAUTION: Make sure to turn OFF all external Bluetooth® devices. If Bluetooth® signal waves are within range of the CONSULT PC and the VI during reprogramming, reprogramming may be interrupted and the **control unit may be damaged**.

5. Turn the ignition ON with the engine OFF.
 - The engine must not start or run during the reprogramming procedure.

6. Turn OFF all vehicle electrical loads such as exterior lights, interior lights, HVAC, blower, rear defogger, audio, NAVI, seat heater, steering wheel heater, etc.

7. Turn ON the CONSULT PC.

8. Select CONSULT-III plus (open C-III plus).

9. Wait for the plus VI to be recognized.
 - Serial number will display when the plus VI is recognized.

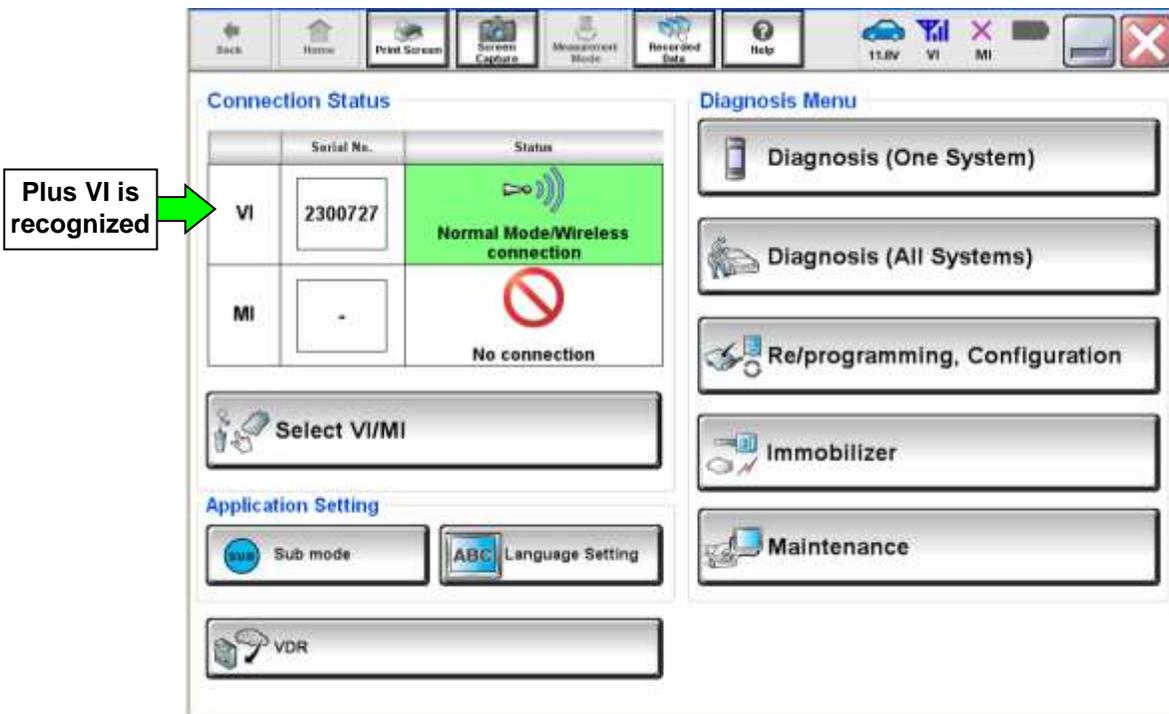


Figure 2

10. Select **Re/programming, Configuration**.

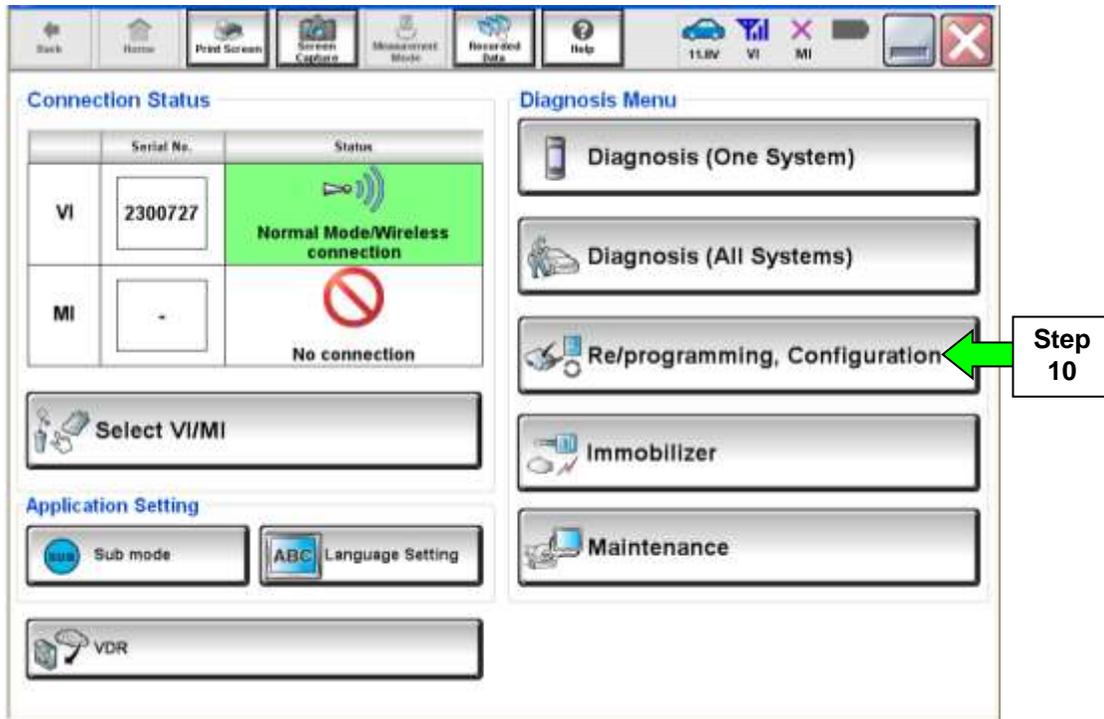


Figure 3

11. Use arrows (if needed) to view and read all precautions.

12. Check the box confirming the precautions have been read.

13. Select **Next**.

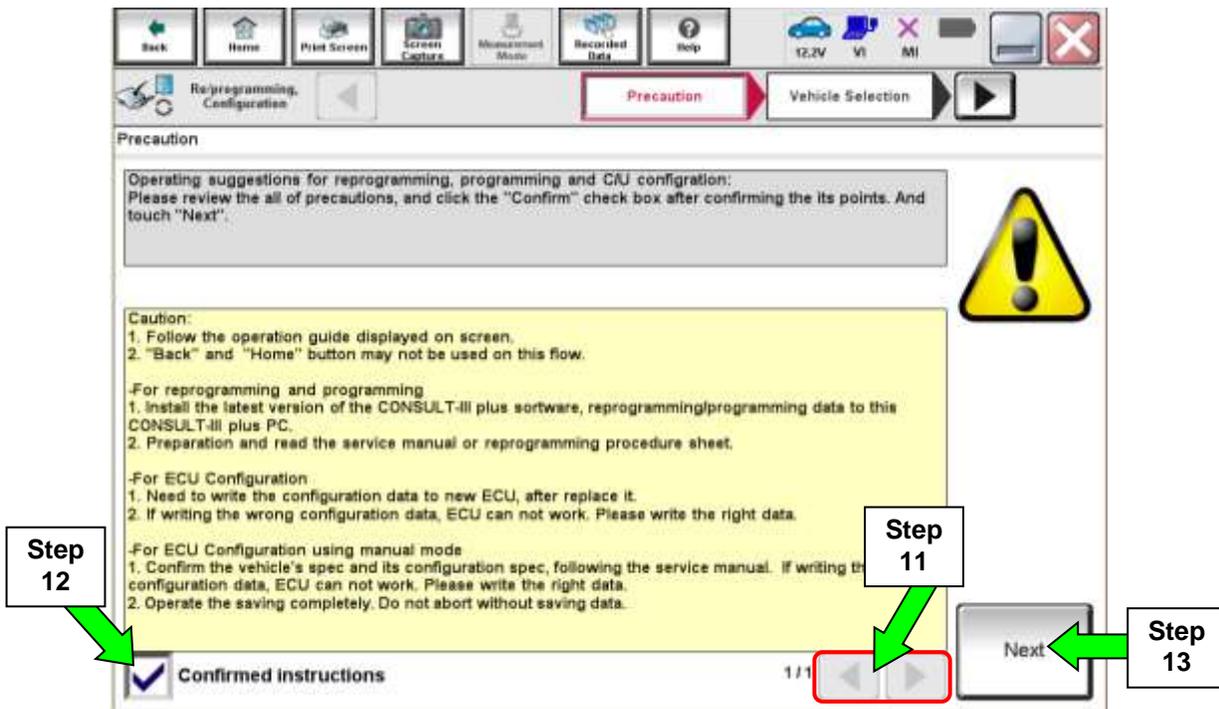


Figure 4

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

- If the screen in Figure 5 does not display, skip to step 15.
- Use **Manual Selection** if Automatic Selection does not pull VIN. Click Select.

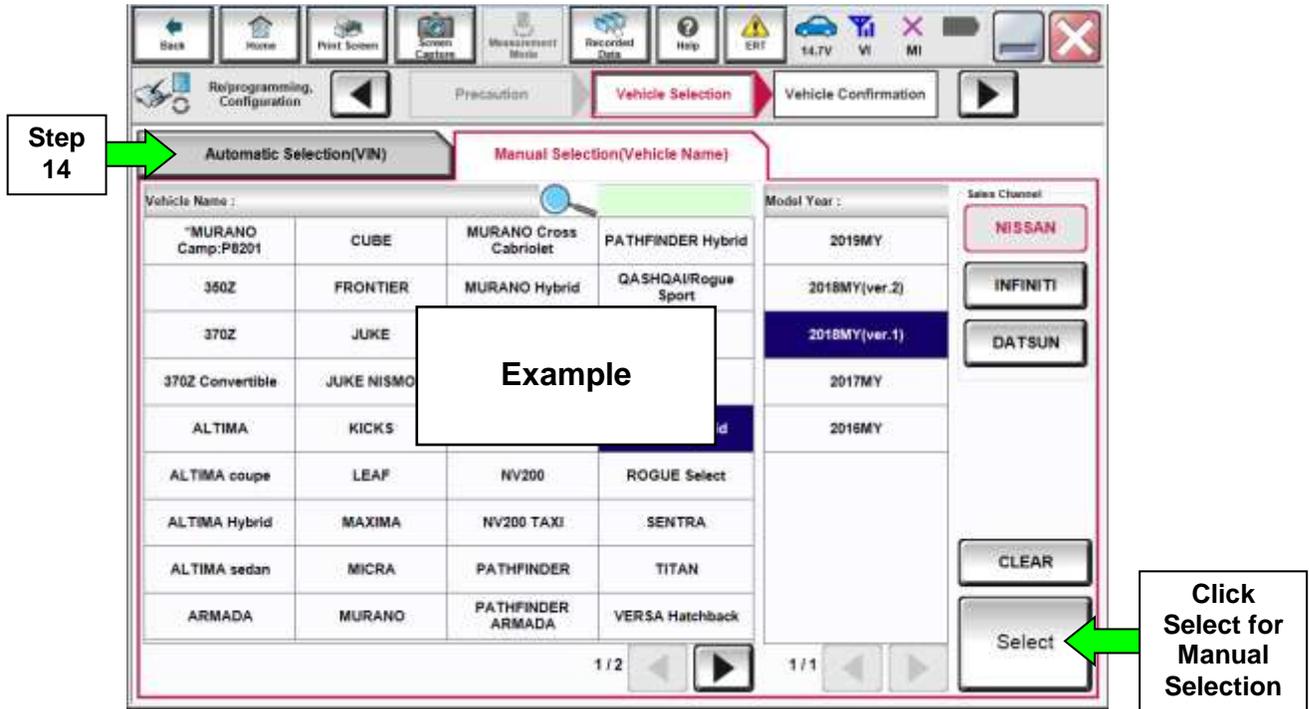


Figure 5

15. Make sure **VIN or Chassis #** matches the vehicle's VIN.

16. If the correct VIN is displayed, select **Confirm**.

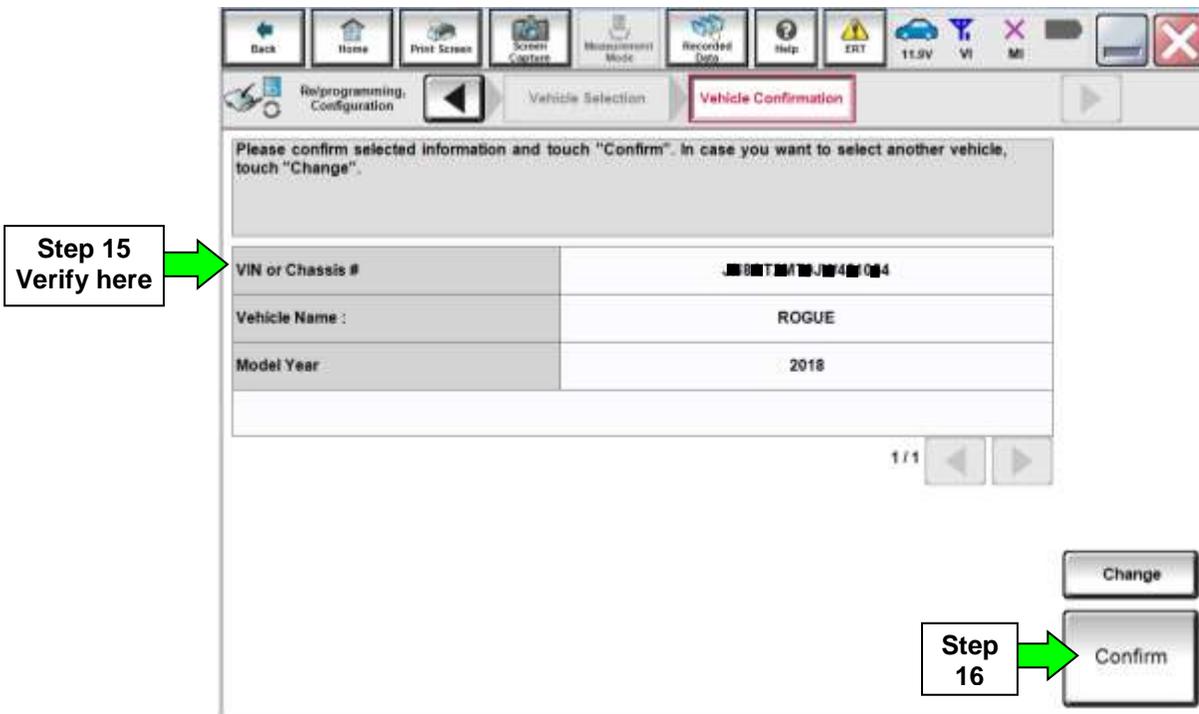


Figure 6

19. Select Reprogramming.

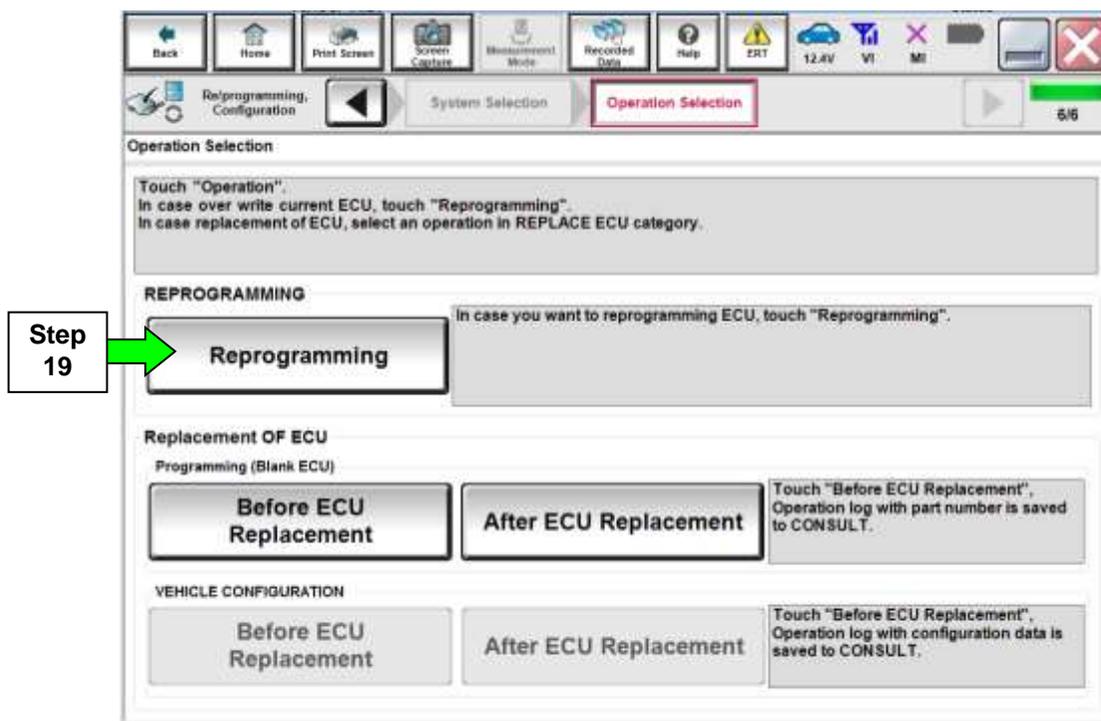


Figure 9

20. When you get to the screen shown in Figure 10, confirm that a reprogram or new control unit is available with the flow chart below.

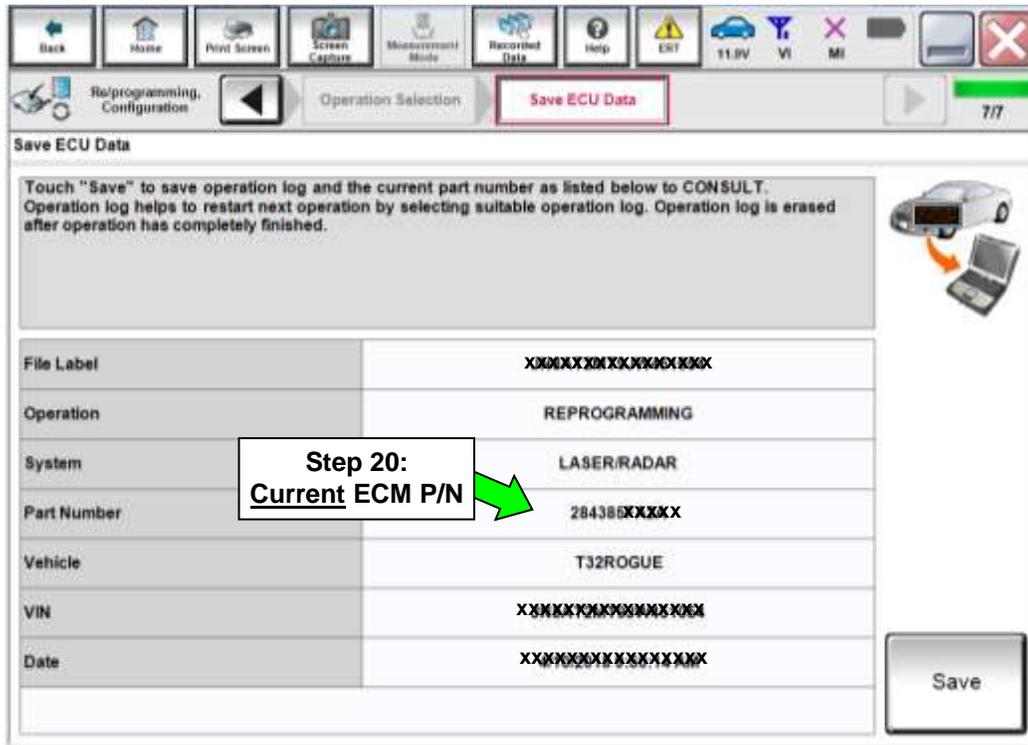
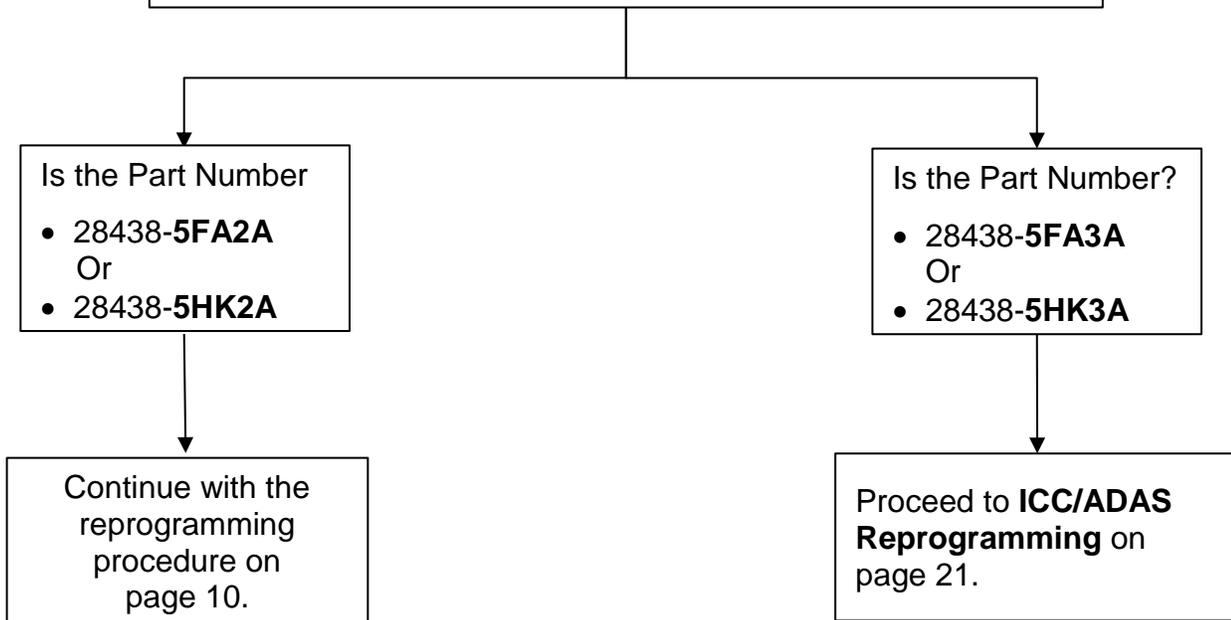


Figure 10

Find the LASER/RADAR **Part Number** and write it on the repair order.

NOTE: This is the current LASER/RADAR Part Number (P/N).



21. Select **Save**.

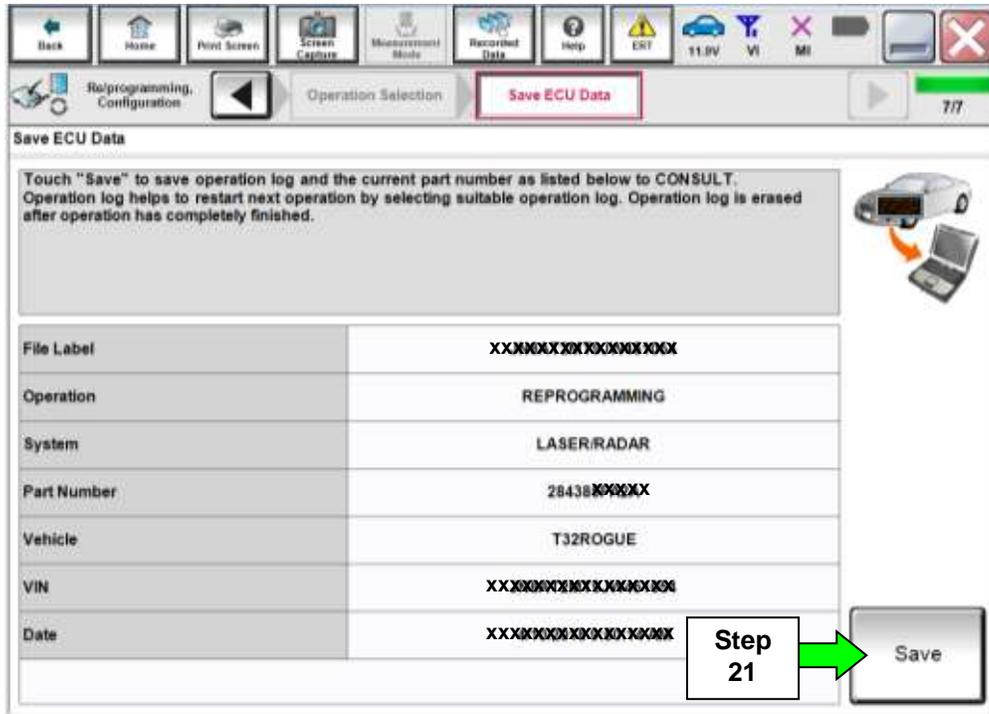


Figure 11

22. Use arrows (if needed) to view and read all precautions.

23. Check the box confirming the precautions have been read.

24. Select **Next**.

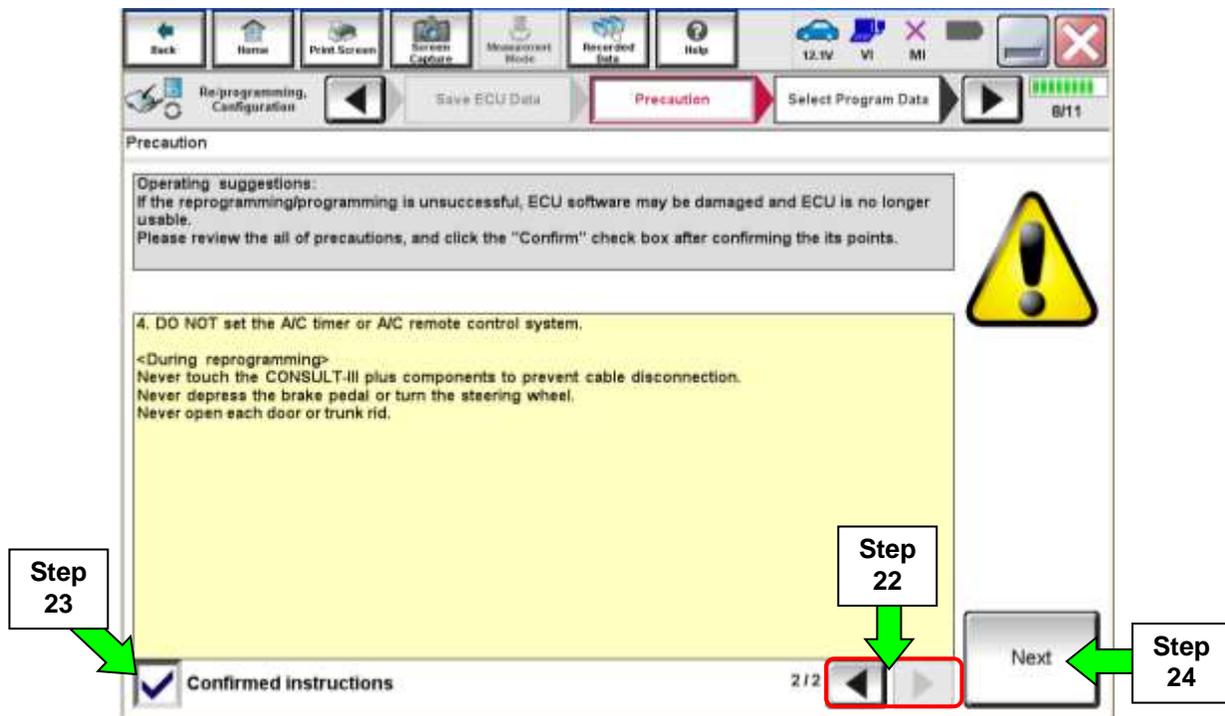


Figure 12

25. Read the **Current Part Number** and **Part Number After Reprogramming**. They should be different.

26. Select **Next**.

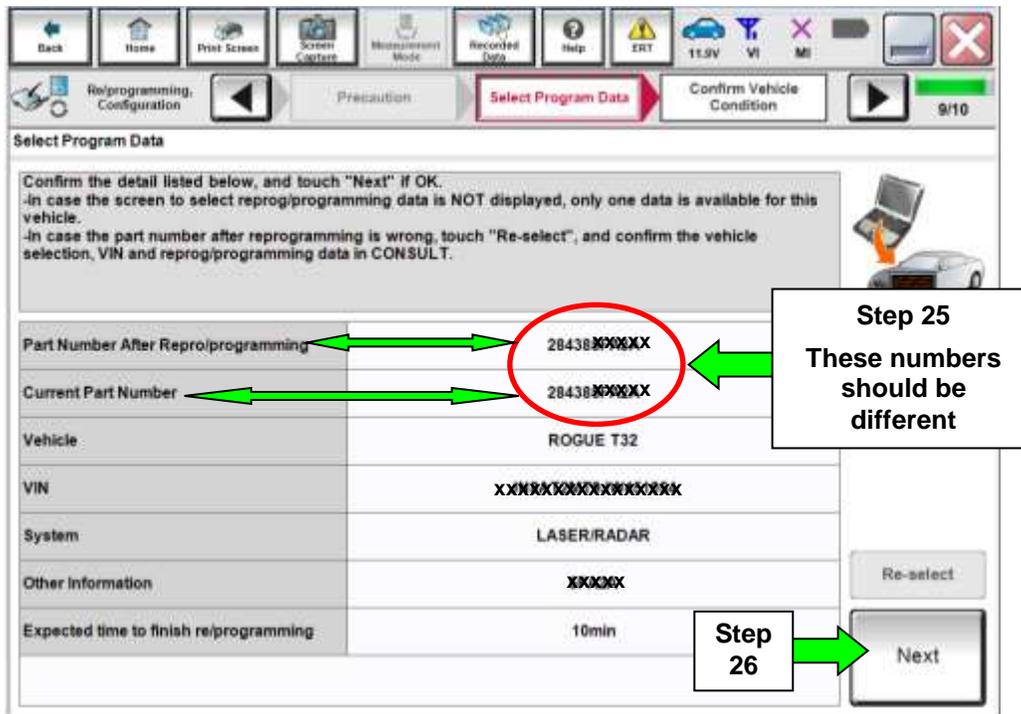


Figure 13

NOTE:

- In some cases, more than one new P/N for reprogramming is available.
 - If more than one new P/N is available, 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 in Figure 14 and it is blank (no reprogramming listed), it means there is no reprogramming available for the Laser/Radar control unit in this vehicle. Proceed to **ICC/ADAS Reprogramming** on page 21.

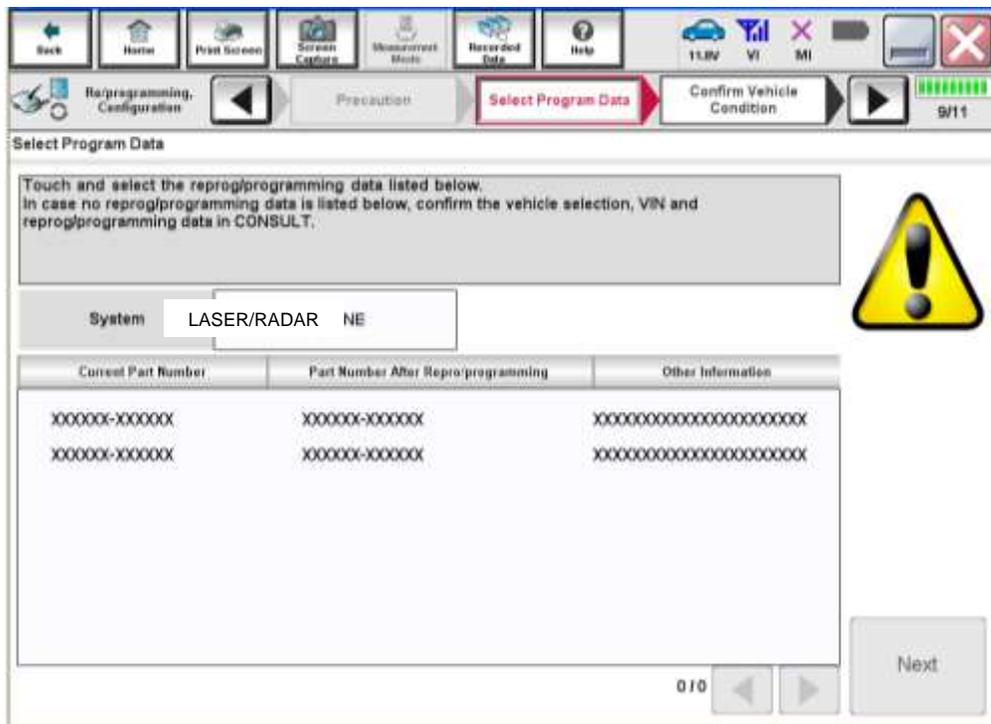


Figure 14

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

28. Select **Next**.

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

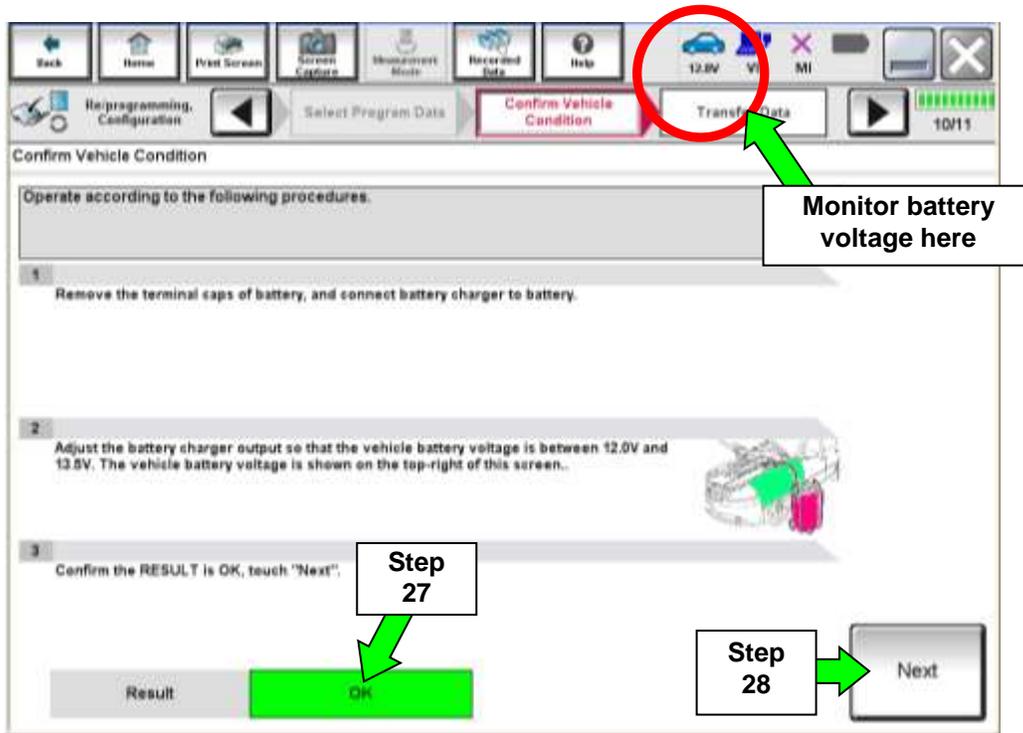


Figure 15

29. Confirm all Judgment items are OK, then select **Start**.

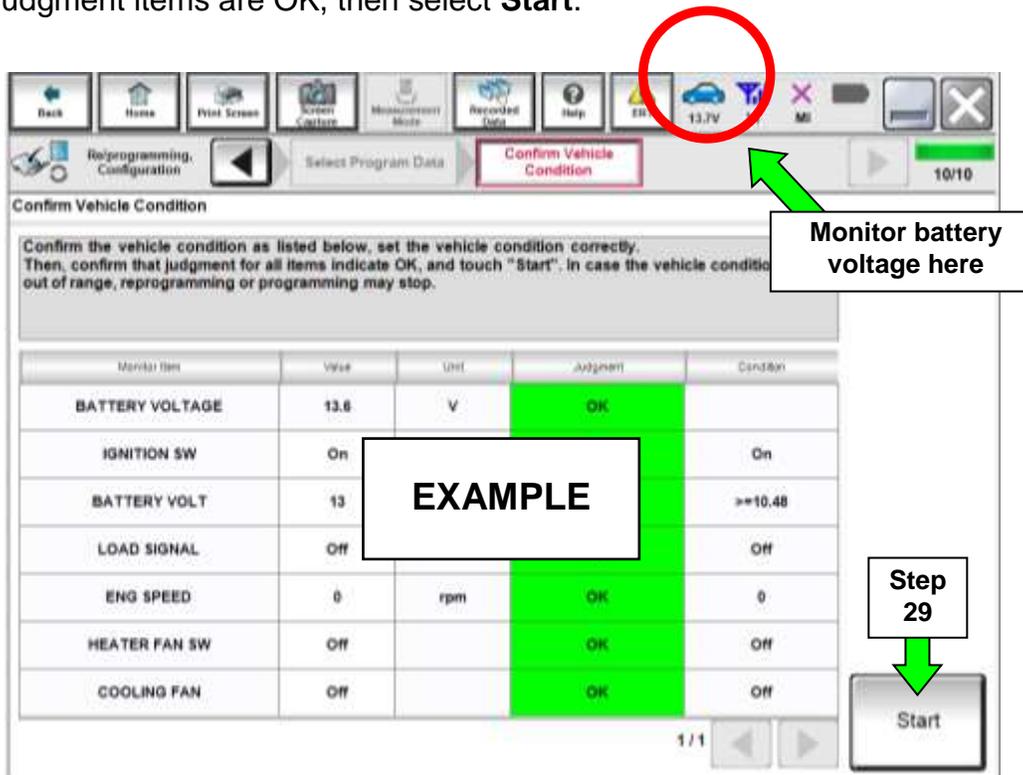


Figure 16

30. Select **USA/CANADA Dealers**.

31. Select **OK**.

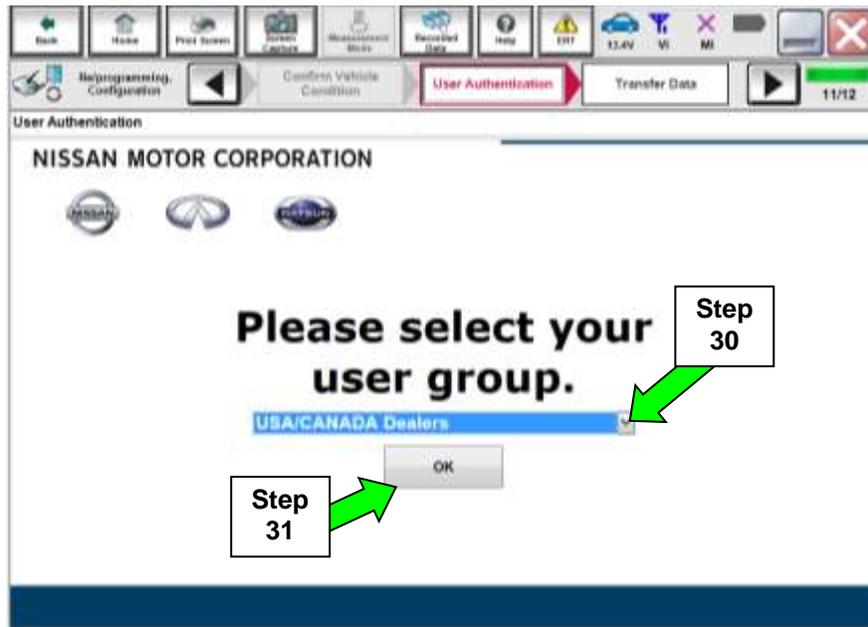


Figure 17

NOTE:

- The above screen may not display if the CONSULT PC has remained ON since the last reprogramming.
- If the CONSULT PC is not connected to the Internet, the screen in Figure 18 will display.

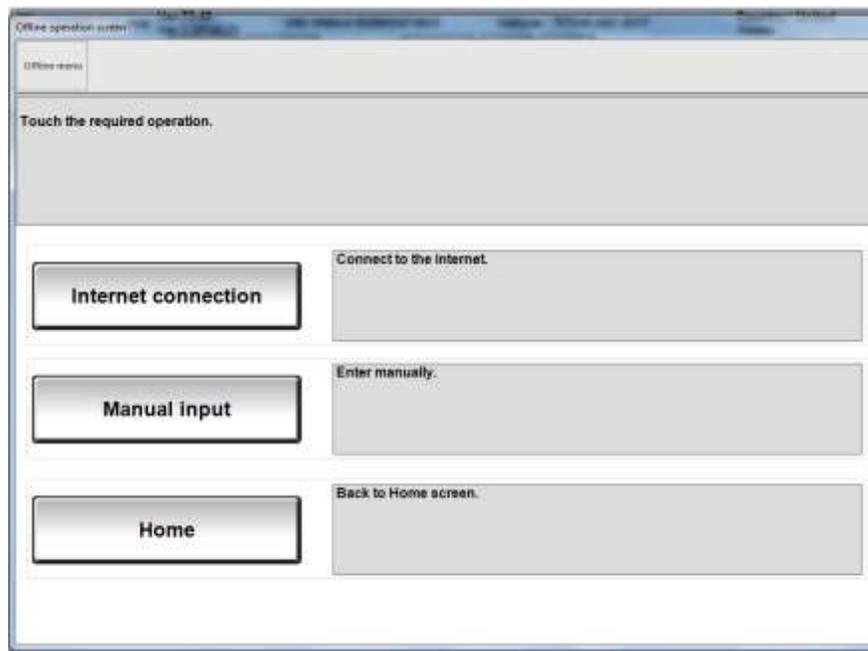


Figure 18

NOTE: In the next steps, the reprogramming process will begin when **Submit** is selected.

32. Enter your **Username** and **Password**.

- The CONSULT PC must be connected to the Internet via cable or Wi-Fi.
- If you do not know your User Name and Password, contact your Service Manager.

33. Select **Submit**.

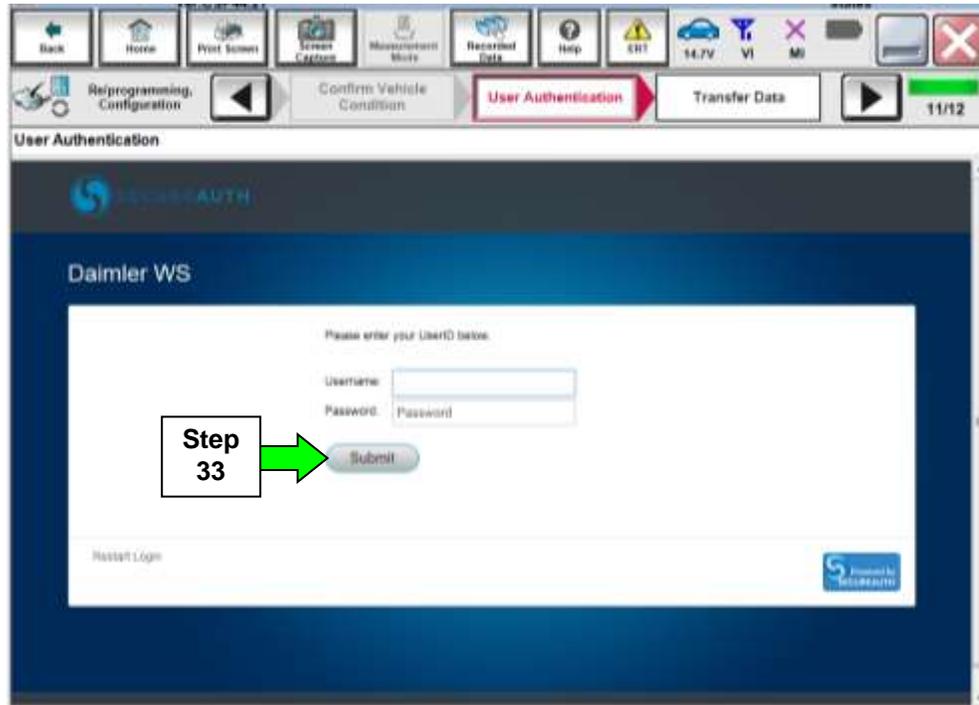


Figure 19

34. Wait for both progress bars to complete.

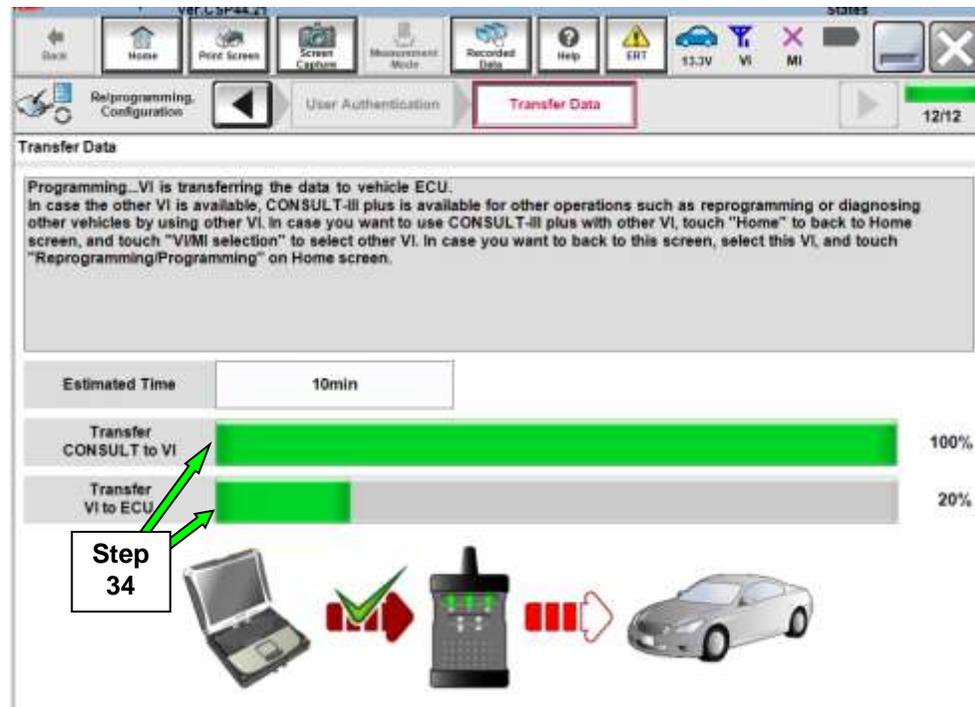


Figure 20

35. When the screen in Figure 21 displays, the reprogramming is complete.

NOTE: If the screen in Figure 21 does not display (indicating that reprogramming did not complete), refer to the information on the next page.

36. Select **Next**.

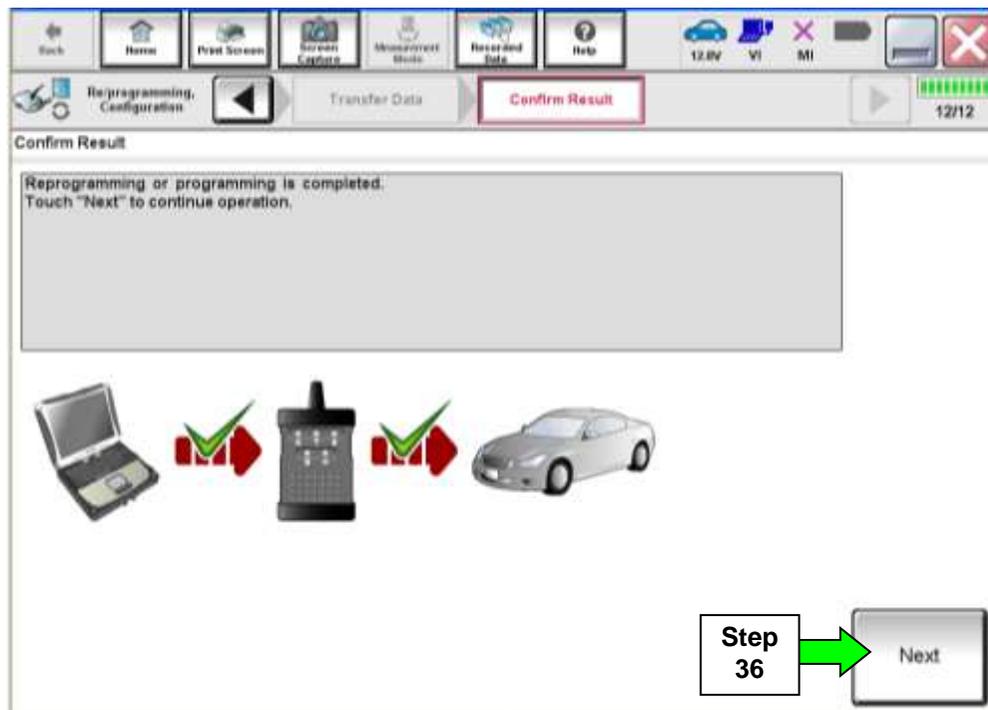


Figure 21

NOTE: Additional steps/operations are required before C-III plus will provide the final reprogramming confirmation report. Continue with the reprogramming procedure on page 18.

Laser/Radar 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 22:

- 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.

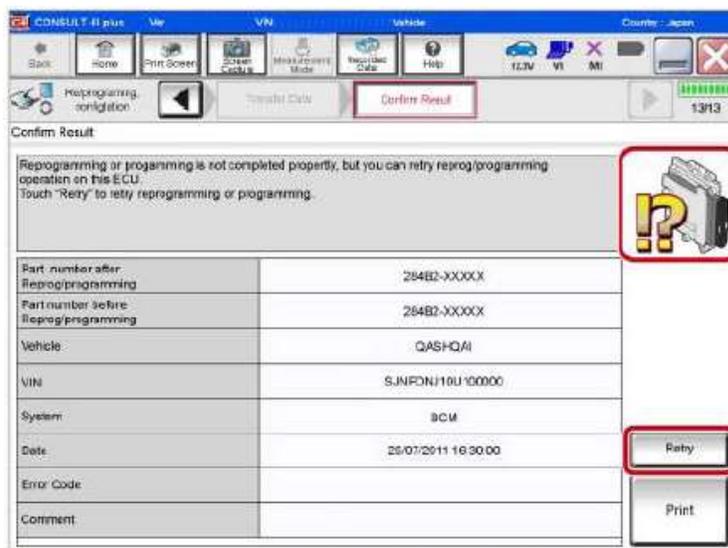


Figure 22

If reprogramming does not complete and the “X” icon displays as shown in Figure 23:

- 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.**

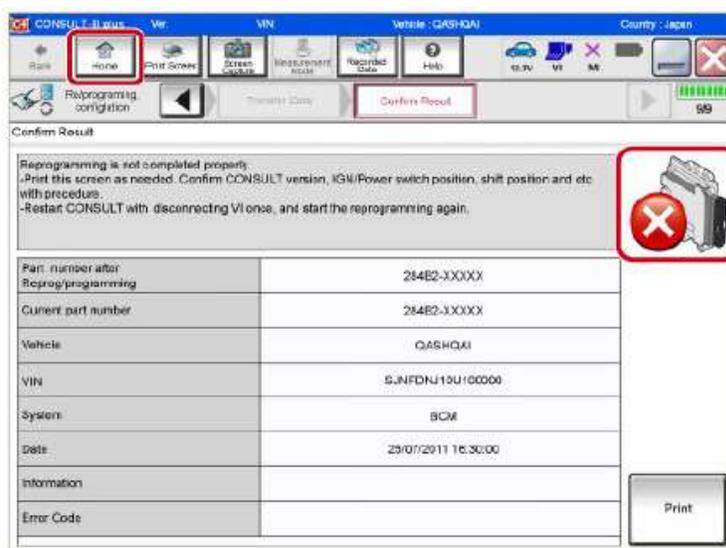


Figure 23

37. **Erase all DTCs** as follows:

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

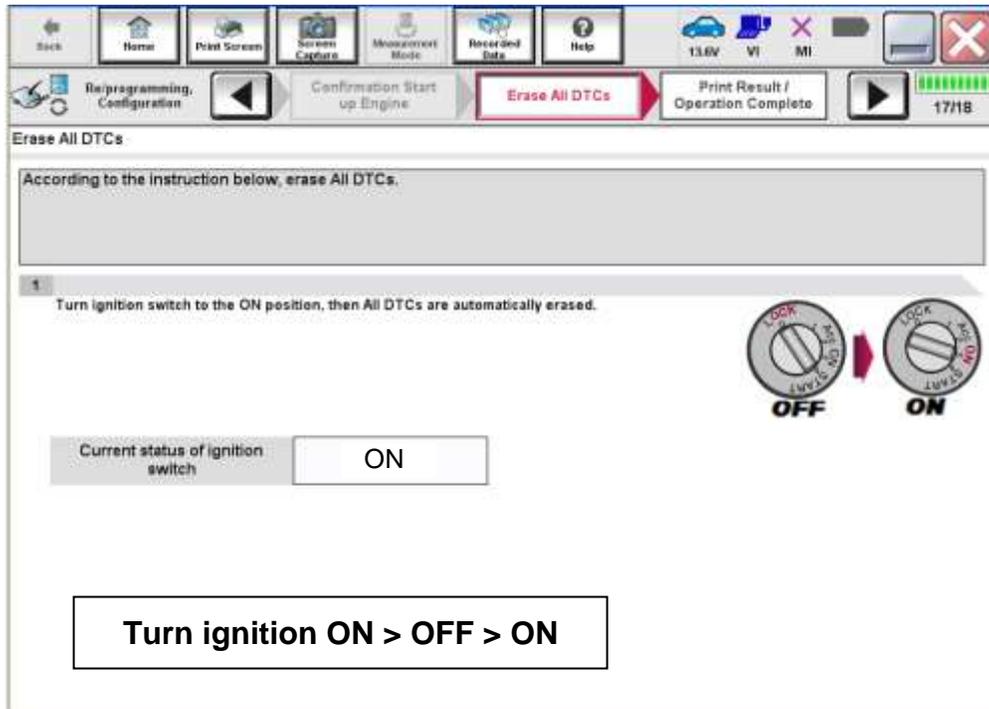


Figure 24

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

39. Print a copy of this screen (Figure 25) and attach it to the repair order.

NOTE: If you cannot print the 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.

40. Select **Confirm**.

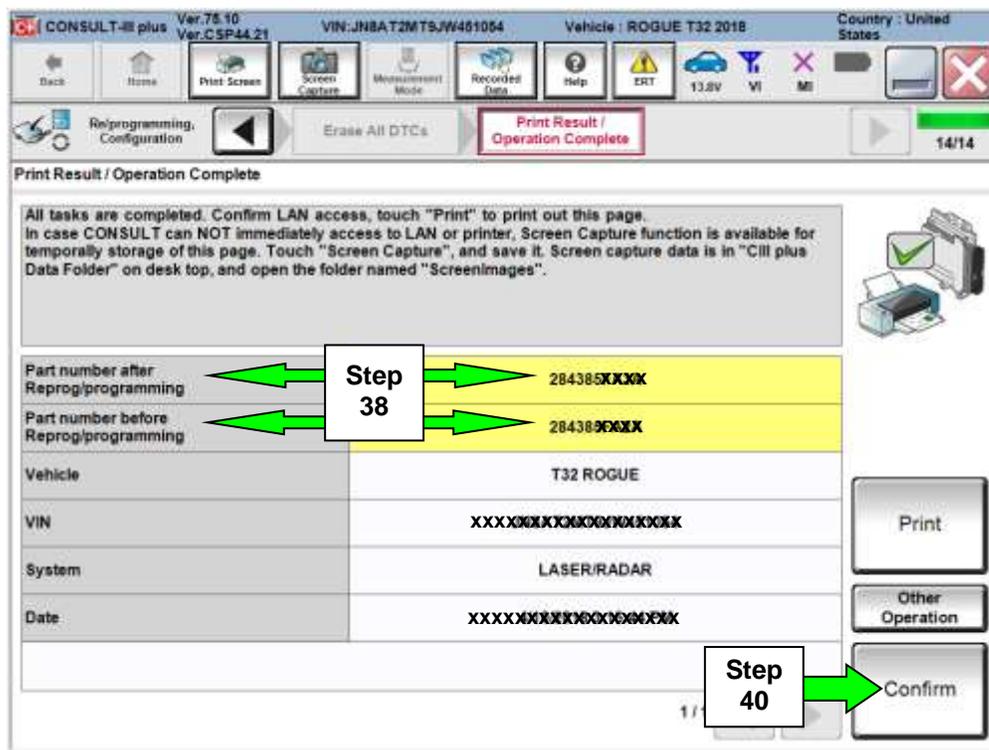


Figure 25

41. Select **Home**.

- This will take you back to the Home Screen.

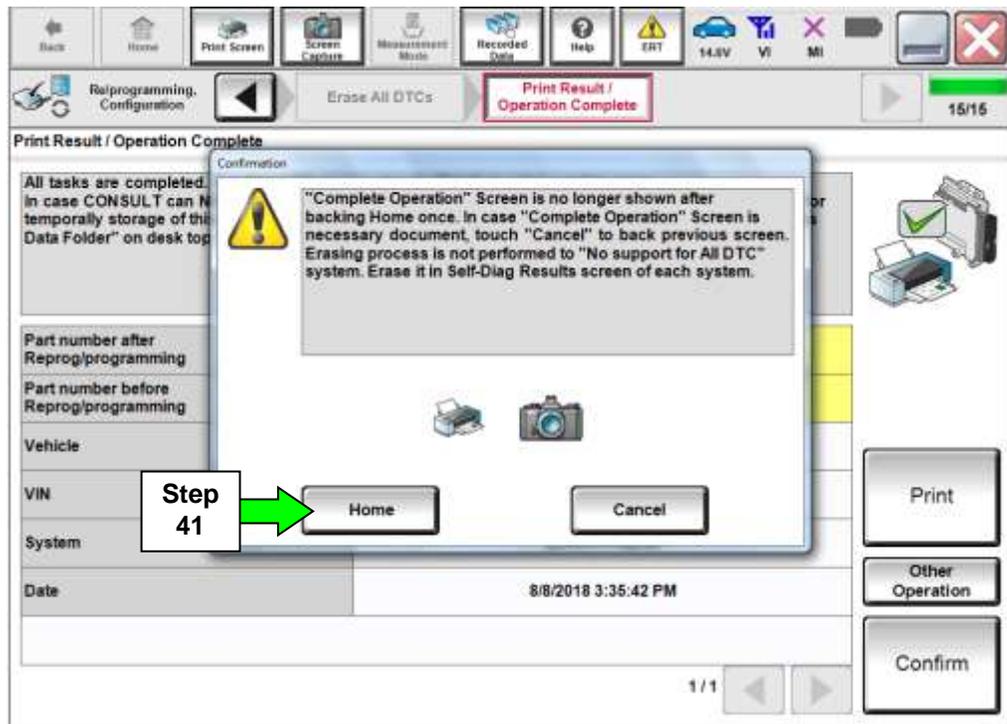


Figure 26

Proceed to **ICC/ADAS Reprogramming** on next page.

IMPORTANT: LASER/RADAR control unit reprogramming must be performed first (if indicated by the flow chart on page 9) before proceeding.

ICC/ADAS Reprogramming

IMPORTANT: LASER/RADAR control unit reprogramming must be performed first (if indicated by the flow chart on page 9) before proceeding.

42. Wait for the plus VI to be recognized.

- Serial number will display when the plus VI is recognized.

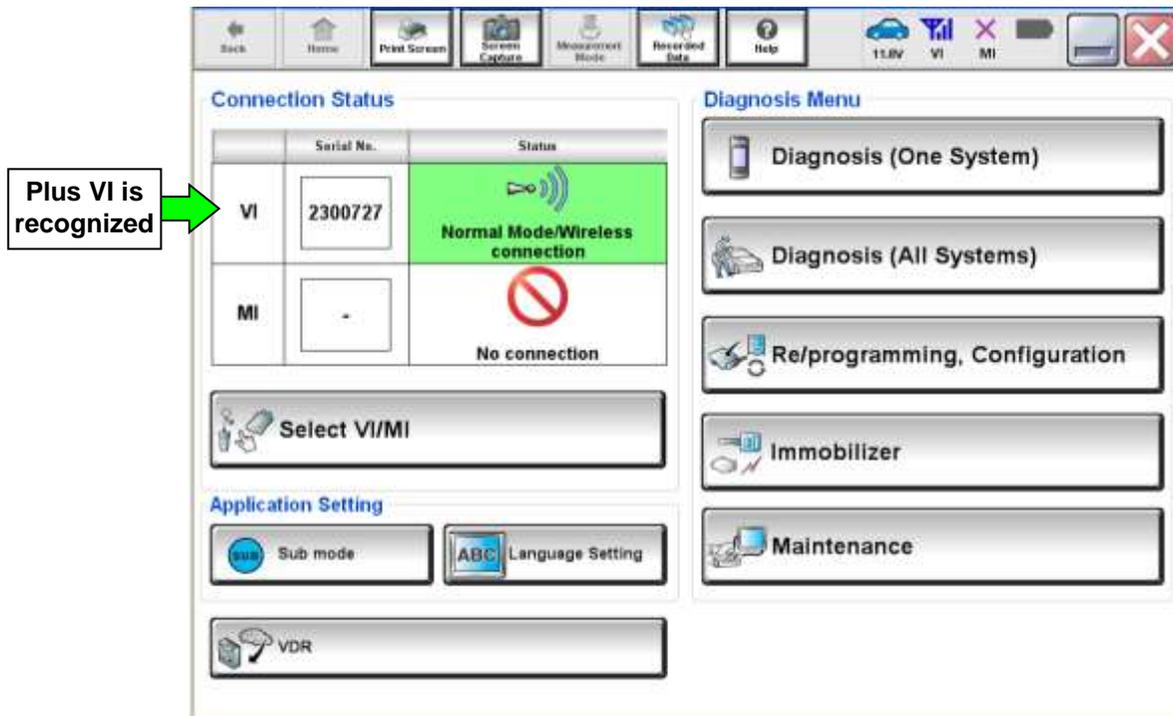


Figure 27

43. Select **Re/programming, Configuration**.

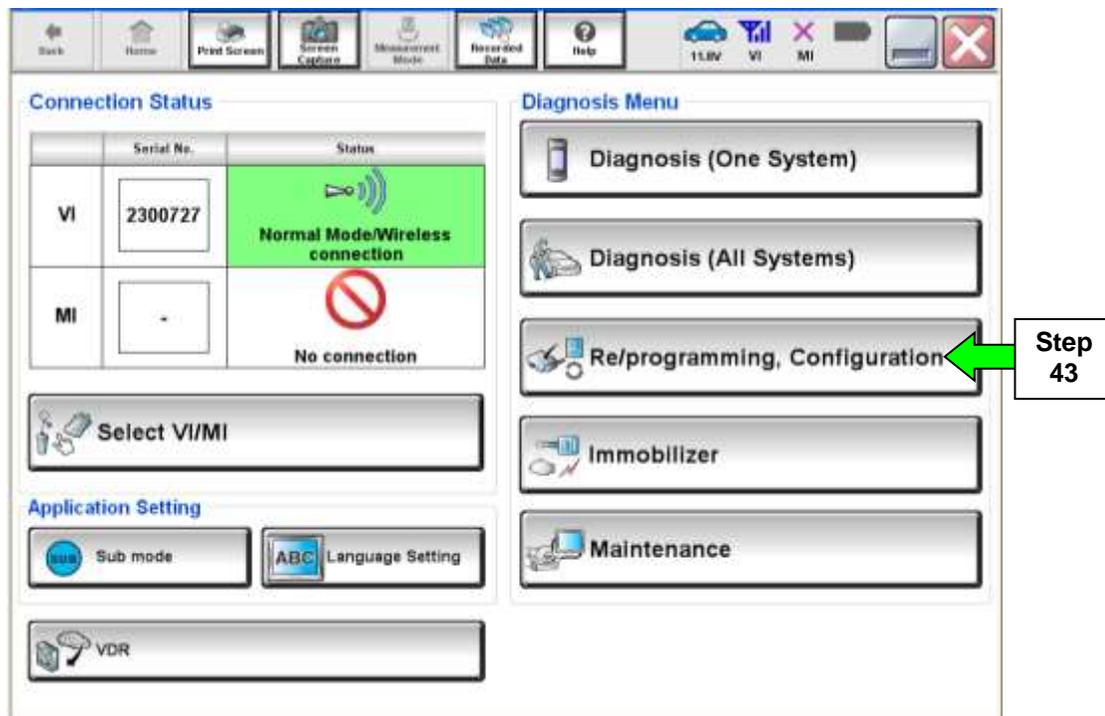


Figure 28

- 44. Use arrows (if needed) to view and read all precautions.
- 45. Check the box confirming the precautions have been read.
- 46. Select **Next**.

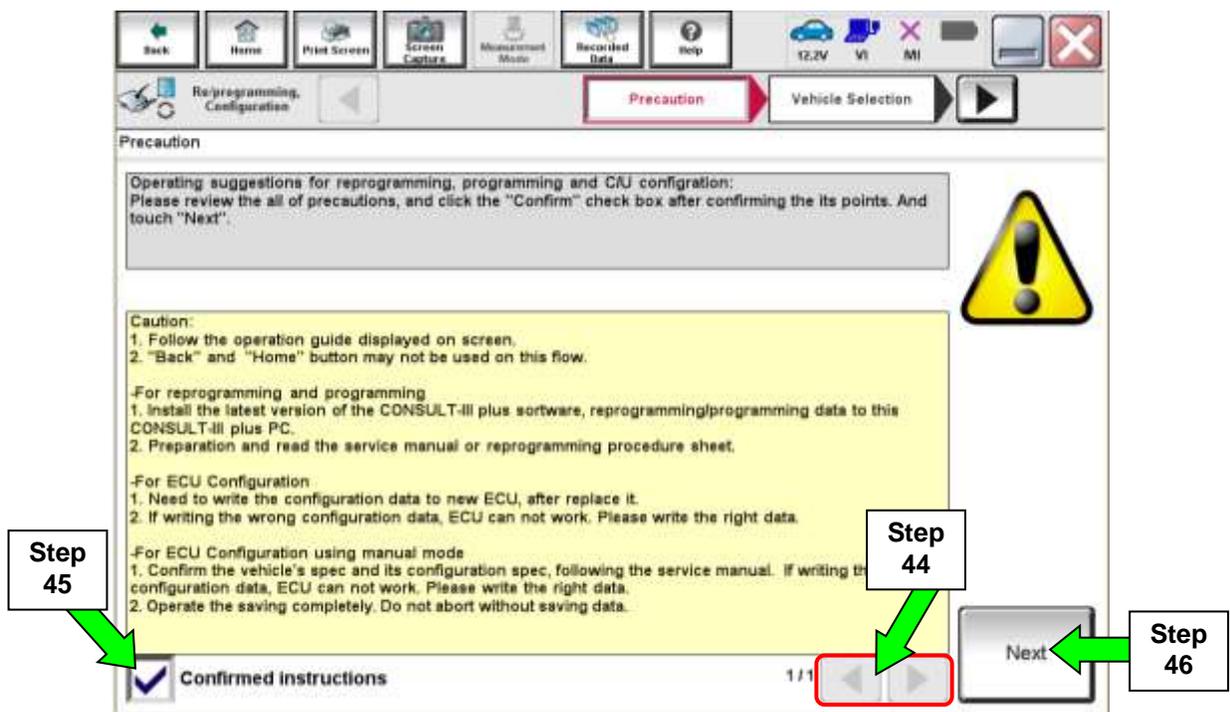


Figure 29

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

- If the screen in Figure 30 does not display, skip to step 48.
- Use **Manual Selection** if Automatic Selection does not pull VIN. Click Select.

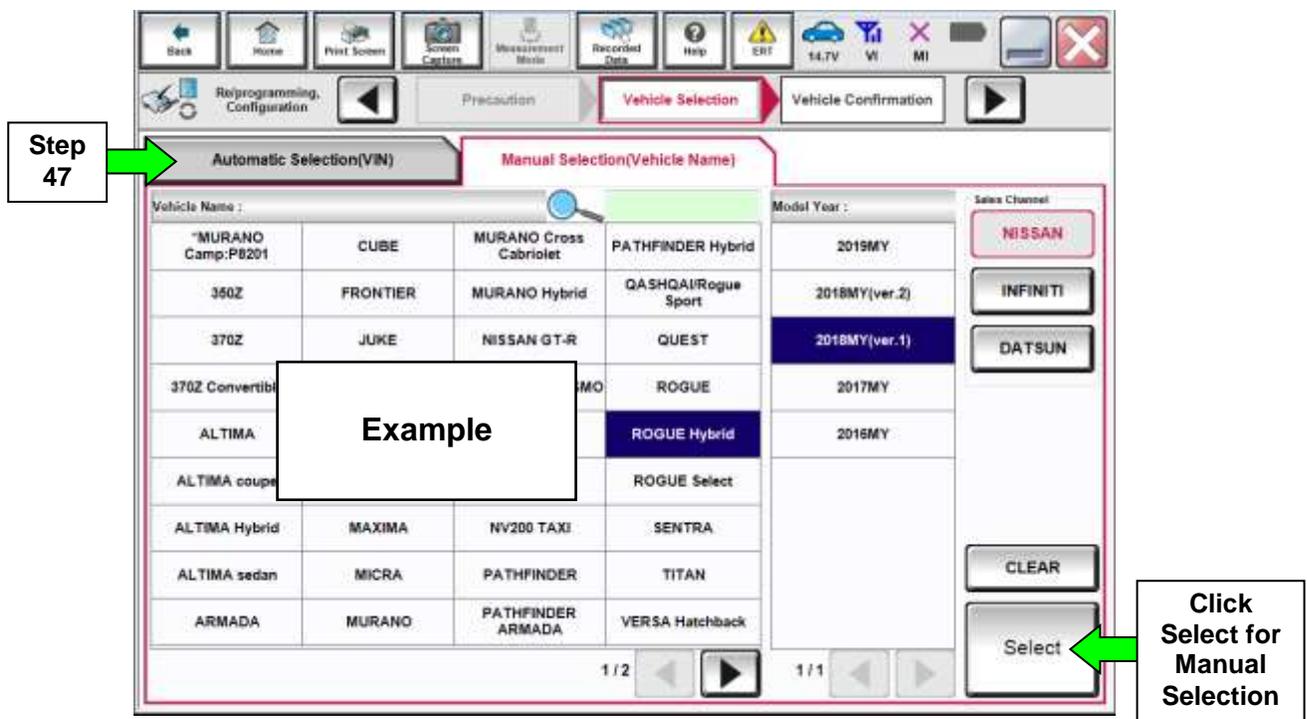


Figure 30

48. Make sure **VIN or Chassis #** matches the vehicle's VIN.

49. If the correct VIN is displayed, select **Confirm**.

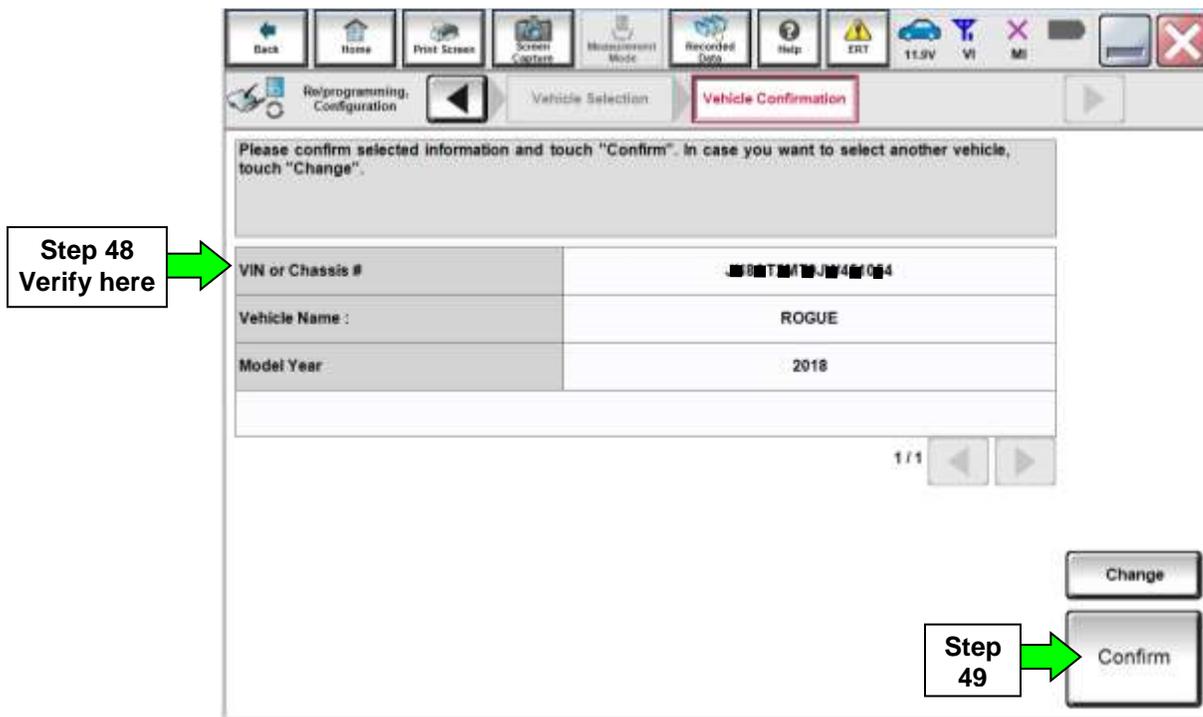


Figure 31

50. Select **Confirm**.

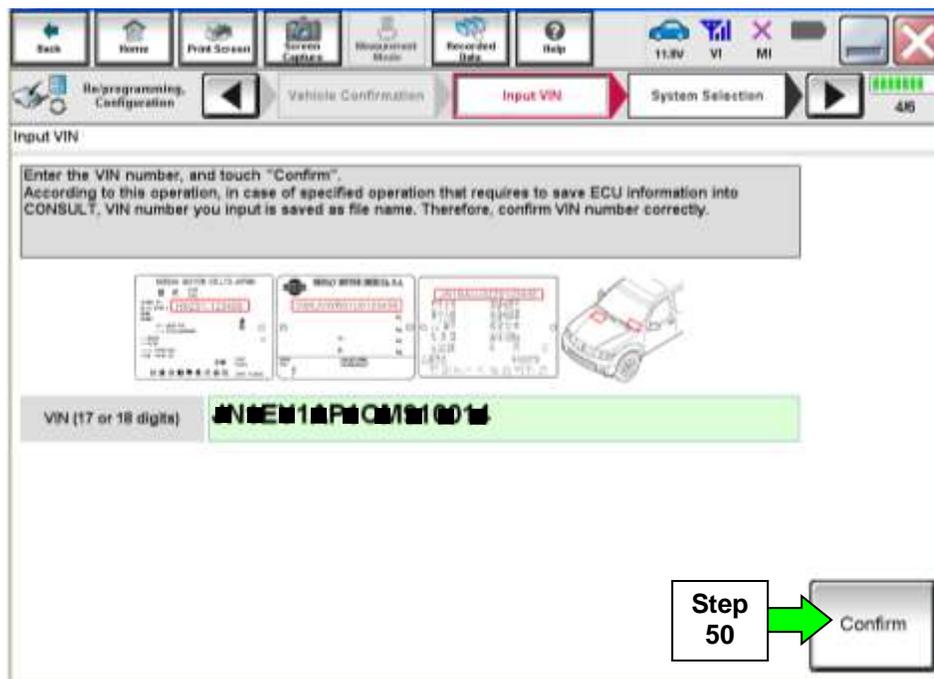


Figure 32

51. Select ICC/ADAS.

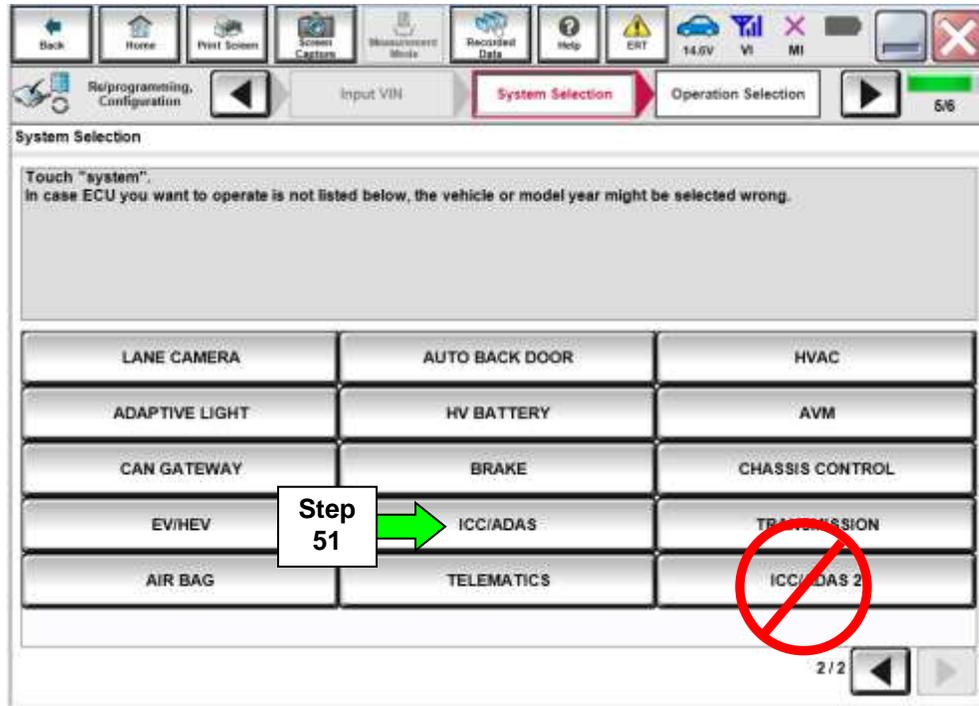


Figure 33

52. Select Reprogramming.

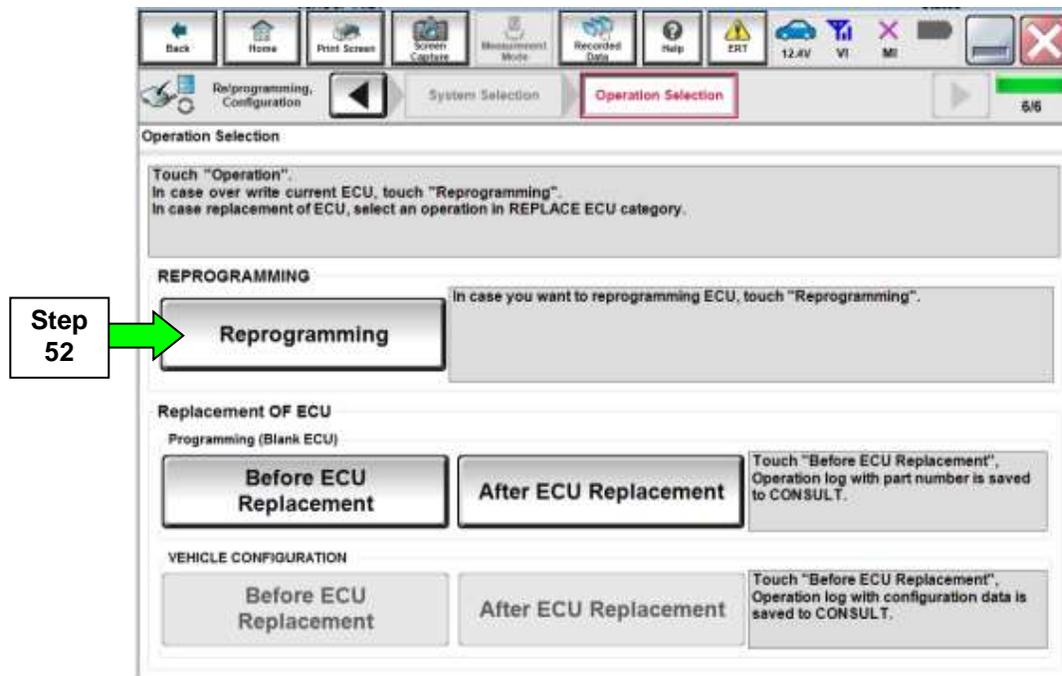


Figure 34

53. When you get to the screen shown in Figure 35, confirm that a reprogram is available as follows.

A. Find the ICC/ADAS **Part Number** and write it on the repair order.

NOTE: This is the current ICC/ADAS Part Number (P/N).

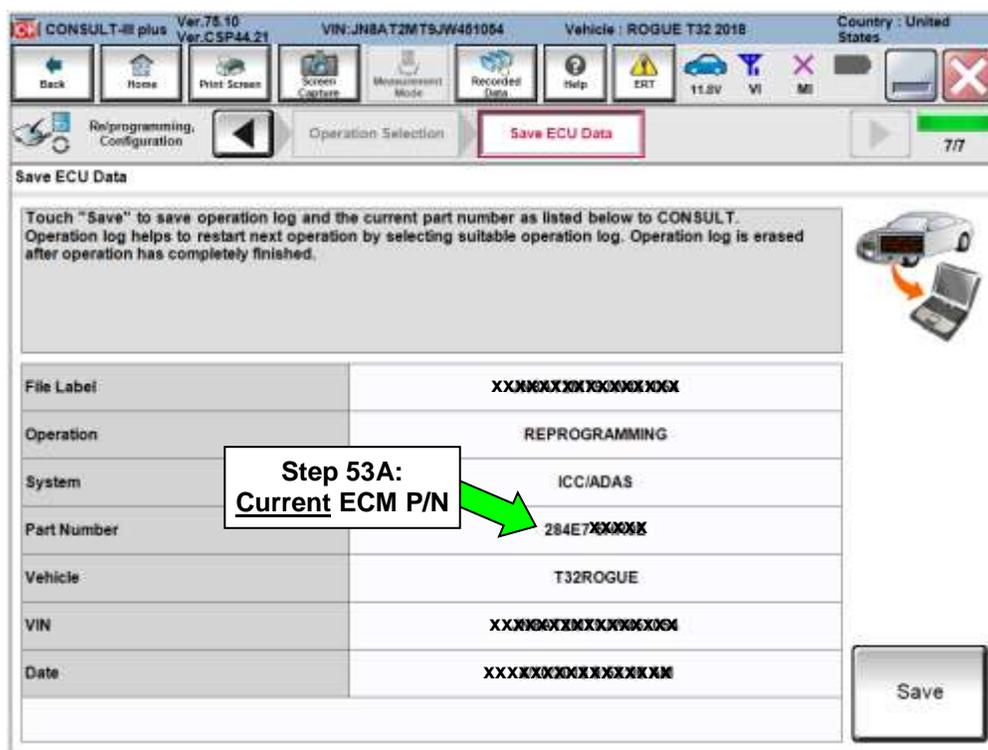


Figure 35

B. Compare the P/N you wrote down to the numbers in the **Current ICC/ADAS Part Number** column in **Table A**.

- If there is a **match**, continue with the reprogramming procedure.
- If there is **not a match** in Table A, proceed to step 72.

Table A

MODEL	YEAR	CURRENT ICC/ADAS PART NUMBER: 284E7-
Rogue and Rogue Hybrid	2018	5HR0A, 5HR0C
		5HR9A, 5HR9B
		5HR0E, 5HR1E, 5HR3E, 5HR5E, 5HR6E

54. Use arrows (if needed) to view and read all precautions.

55. Check the box confirming the precautions have been read.

56. Select **Next**.

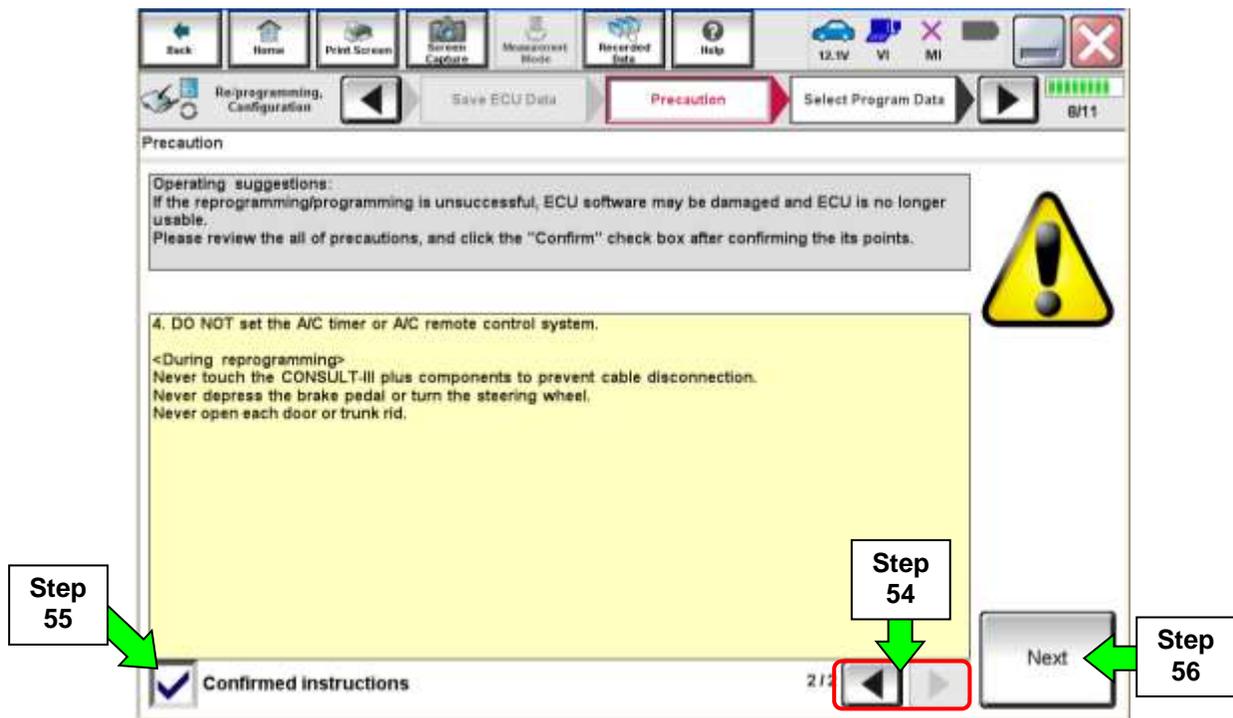


Figure 36

57. Read the **Current Part Number** and **Part Number After Reprogramming**. They should be different.

58. Select **Next**.

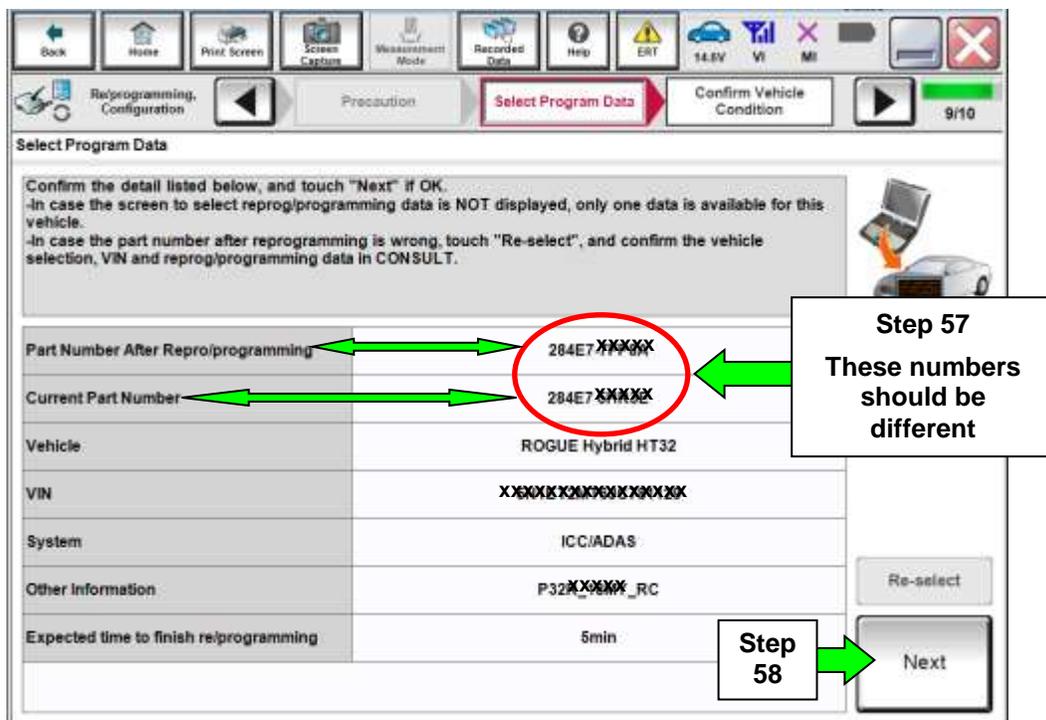


Figure 37

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

60. Select **Next**.

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

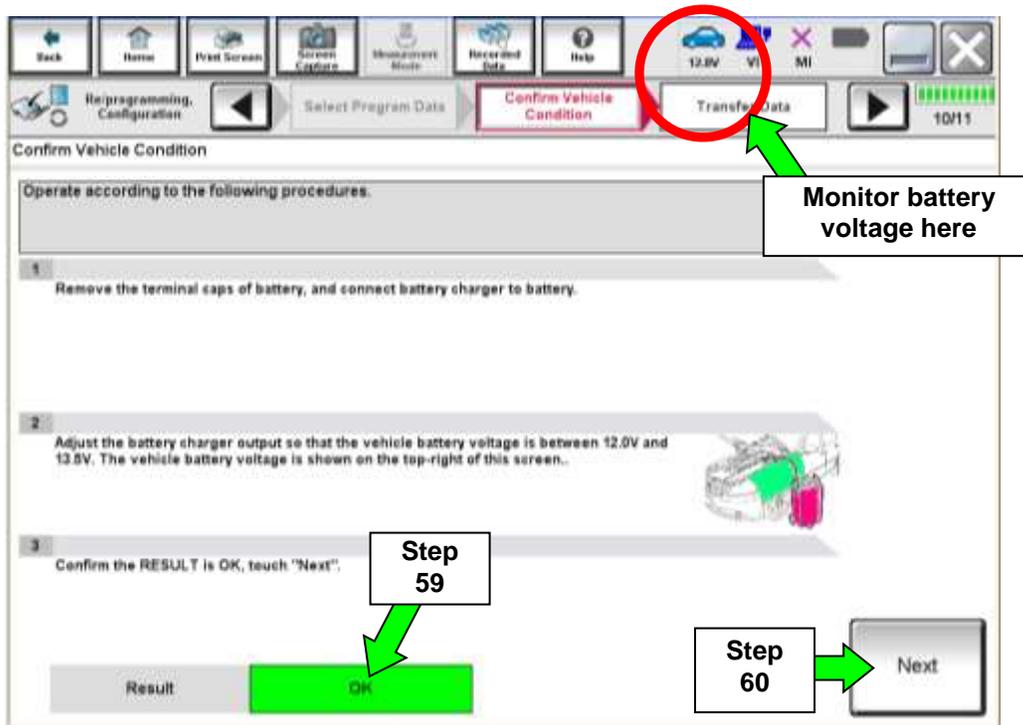


Figure 39

61. Confirm all Judgment items are OK, then select **Start**.

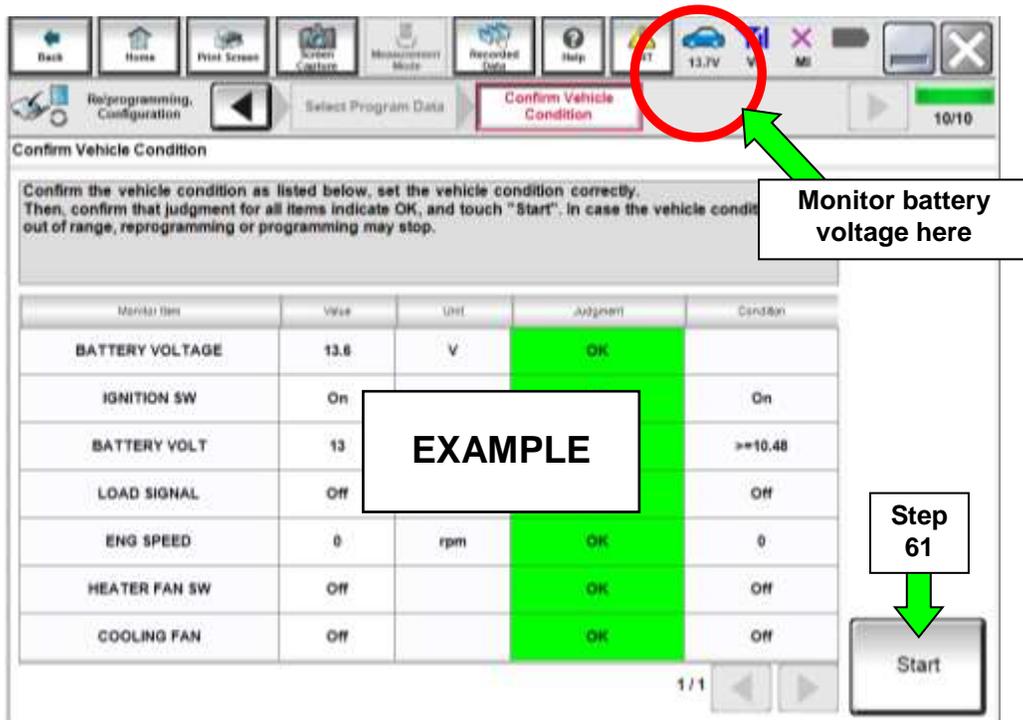


Figure 40

62. Wait for both progress bars to complete.

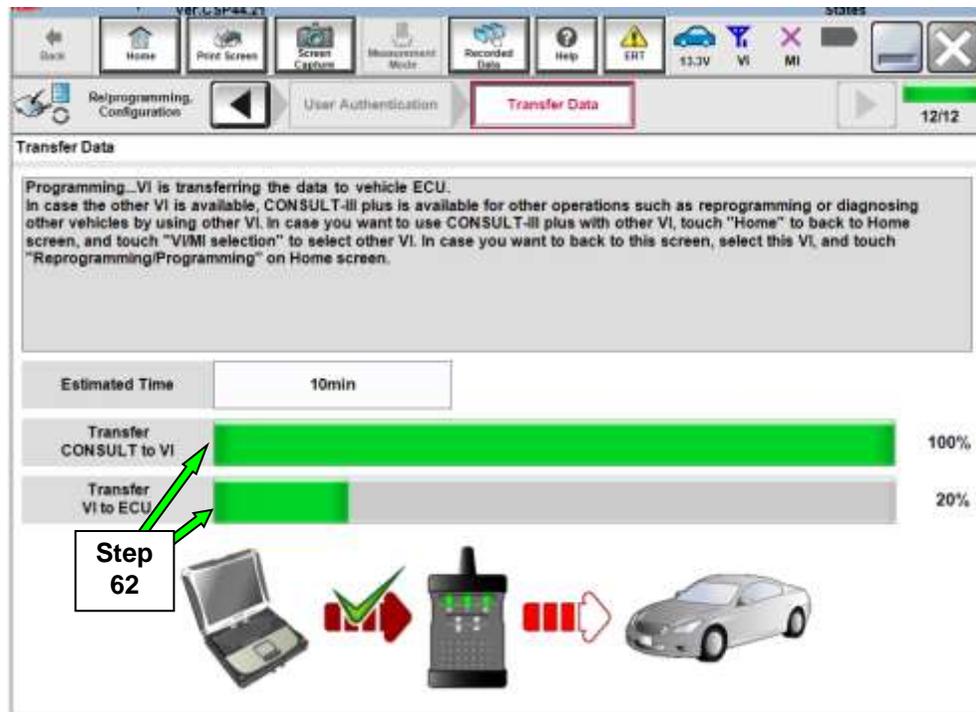


Figure 41

63. When the screen in Figure 42 displays, reprogramming is complete.

NOTE: If the screen in Figure 42 does not display (indicating that reprogramming did not complete), refer to ICC/ADAS recovery on the next page.

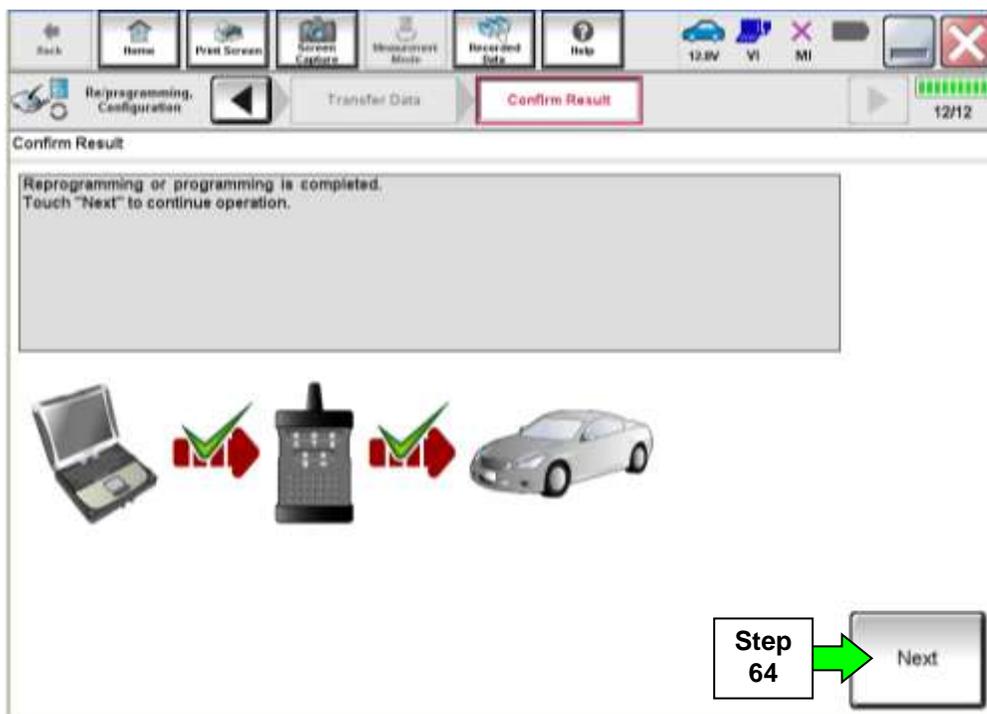


Figure 42

64. Select **Next**.

ICC/ADAS 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 43:

- 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.**

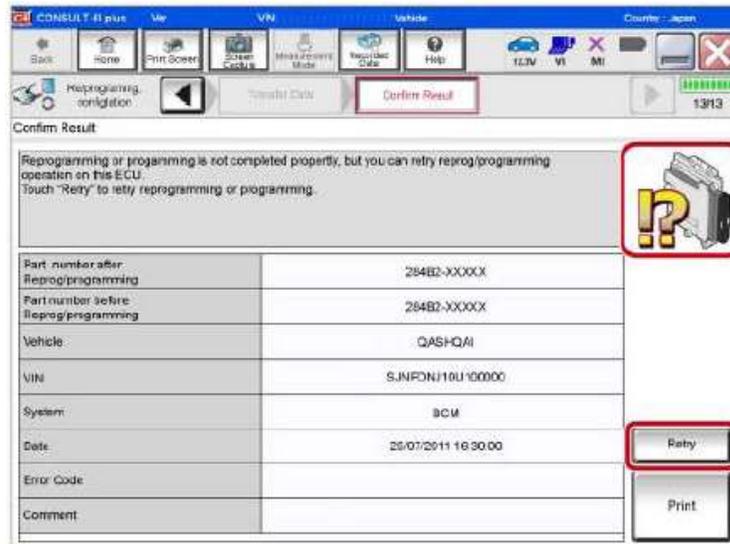


Figure 43

If reprogramming does not complete and the “X” icon displays as shown in Figure 44:

- 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.**

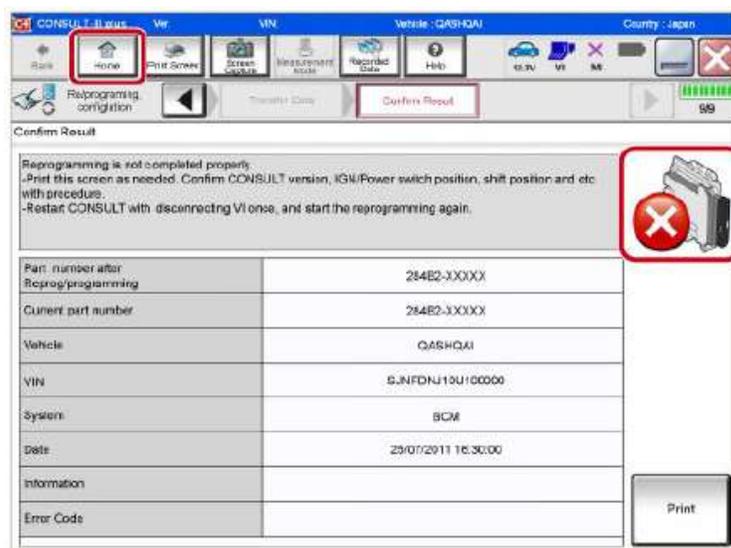


Figure 44

65. Disconnect the GR8 (battery charger) from the vehicle.

NOTE:

- In the next steps, you will perform DTC erase.
- This operation is required before C-III plus will provide the final reprogramming confirmation report.

66. **Erase all DTCs** as follows:

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

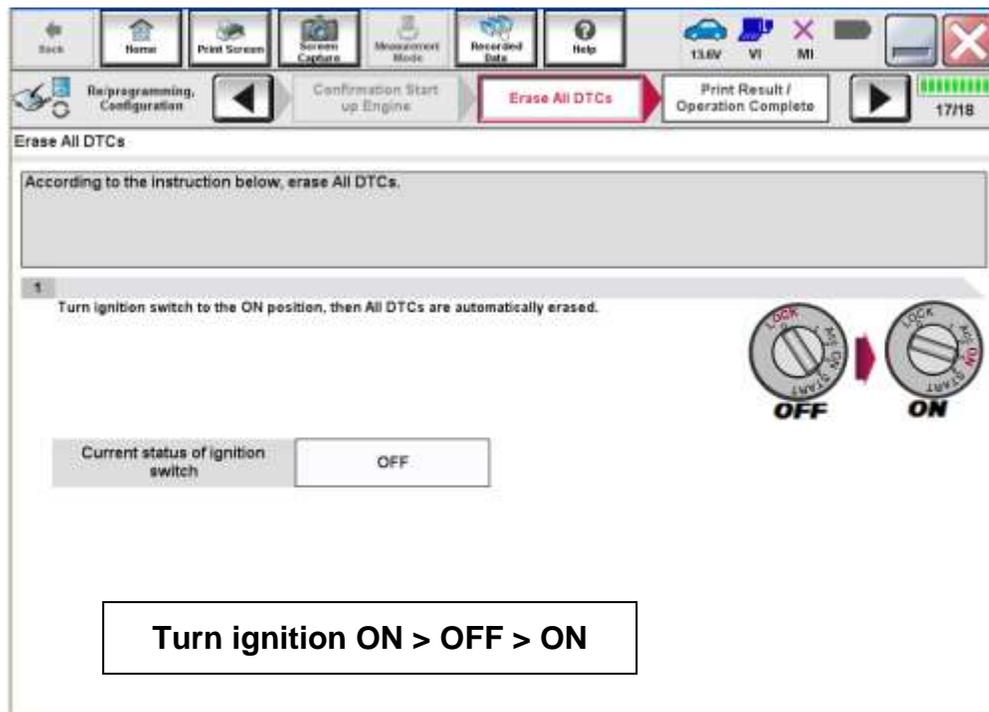


Figure 45

67. When the entire reprogramming process is complete, the screen in Figure 46 will display.

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

69. Print a copy of this screen (Figure 46) and attach it to the repair order for warranty documentation.

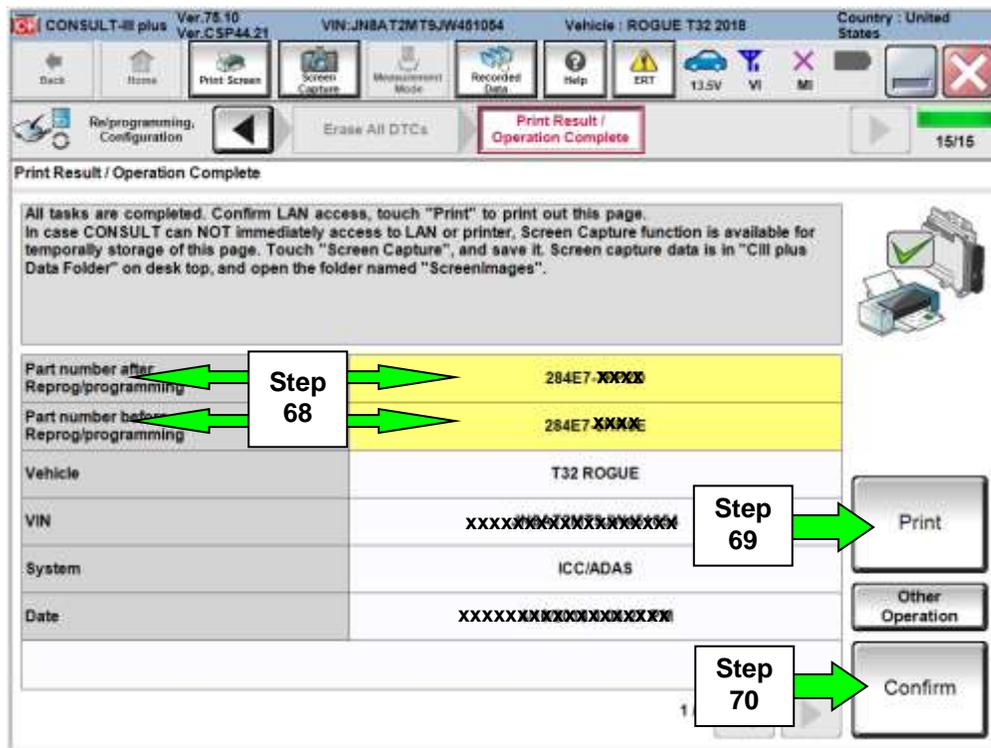


Figure 46

70. Select **Confirm**.

71. Select **Home**

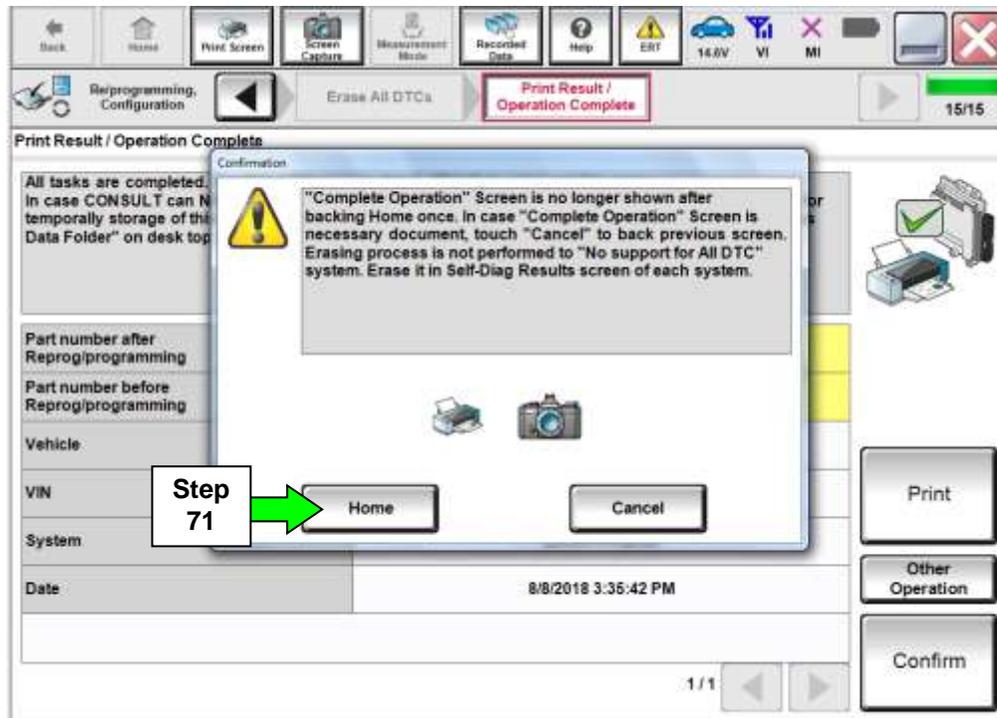


Figure 47

72. Close C-III plus.

73. Turn the ignition OFF.

74. Disconnect the plus VI from the vehicle.

75. Verify the MIL is OFF.

- If the MIL comes ON, go back to ASIST for further diagnostic information.
- Diagnosis and repairs beyond ICC/ADAS or LASER/RADAR reprogramming are not covered by this Action.

CLAIMS INFORMATION

Submit claim using the following claims coding:

Work Order Line Type: "CM" Campaign

Campaign: PC637

CLAIMS INFORMATION: PC637

Claim Type:	CM			
PNC:	PC637			
Symptom:	ZZ			
Diagnosis:	99			
Description:	Op Codes	Flat Rate Time	Parts Required on claim	Expense Code Required
Reprogram Radar & ADAS Control Unit	PC6371	0.8Hrs	No	N/A
Reprogram ADAS Control Unit Only (Radar not needed)	PC6372	0.5Hrs	No	N/A
No Reprogram Needed	PC6373	0.3Hrs	No	N/A