



# TECHNICAL SERVICE BULLETIN

Classification: DA24-001	Reference: ITB24-010	Date: July 19, 2024
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## FALSE ACTIVATION OF AEB OR FCW

**APPLIED VEHICLES:** 2021-2022 QX50 (J55)  
**APPLIED DATES:** Built on or before August 08, 2022  
**APPLIED SYSTEMS:** Only vehicles equipped with Electronic Power Steering

### IF YOU CONFIRM

The customer states they have experienced false activation and/or unexpected braking of the Automatic Emergency Braking (AEB) or Forward Collision Warning (FCW) system,

### AND

There are no related DTCs stored.

### ACTION

Refer to the **SERVICE PROCEDURE** in this bulletin to:

1. Confirm the current ICC/ADAS 2 part number.
2. Reprogram the ICC/ADAS 2, if applicable.

**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. **NOTE:** If you believe that a described condition may apply to a particular vehicle, **DO NOT** assume that it does. See your Infiniti retailer to determine if this applies to your vehicle.

## SERVICE PROCEDURE

### Reprogram the ICC/ADAS 2

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

- ASSIST on the CONSULT PC has been synchronized (updated) to the current date.
- All CONSULT-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 13.5V during reprogramming, the ICC/ADAS 2 control module may be damaged.
  - Be sure to turn OFF all vehicle electrical loads. If a vehicle electrical load remains ON, the ICC/ADAS 2 control module 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 ICC/ADAS 2 control module 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 ICC/ADAS 2 control module may be damaged.
1. Connect the Vehicle Interface (VI) to the vehicle.
    - Make sure to use the correct VI for the CONSULT PC.
  2. Turn the ignition ON with the engine OFF.
  3. Turn ON the hazard warning lamps.
  4. Start C-III plus.
  5. If prompted, select **USA/CANADA Dealers** from the drop down menu, and then select **OK**.
  6. Login using your NNAnet credentials.

**IMPORTANT:** If not prompted to enter your username and password, the CONSULT PC may not be connected to Wi-Fi. Close C-III plus, confirm the CONSULT PC is connected to Wi-Fi, and then reopen C-III plus.

7. Wait for the VI to be recognized.
  - The serial number will display when the VI is recognized (Figure 1).
8. Select **Re/programming, Configuration**.

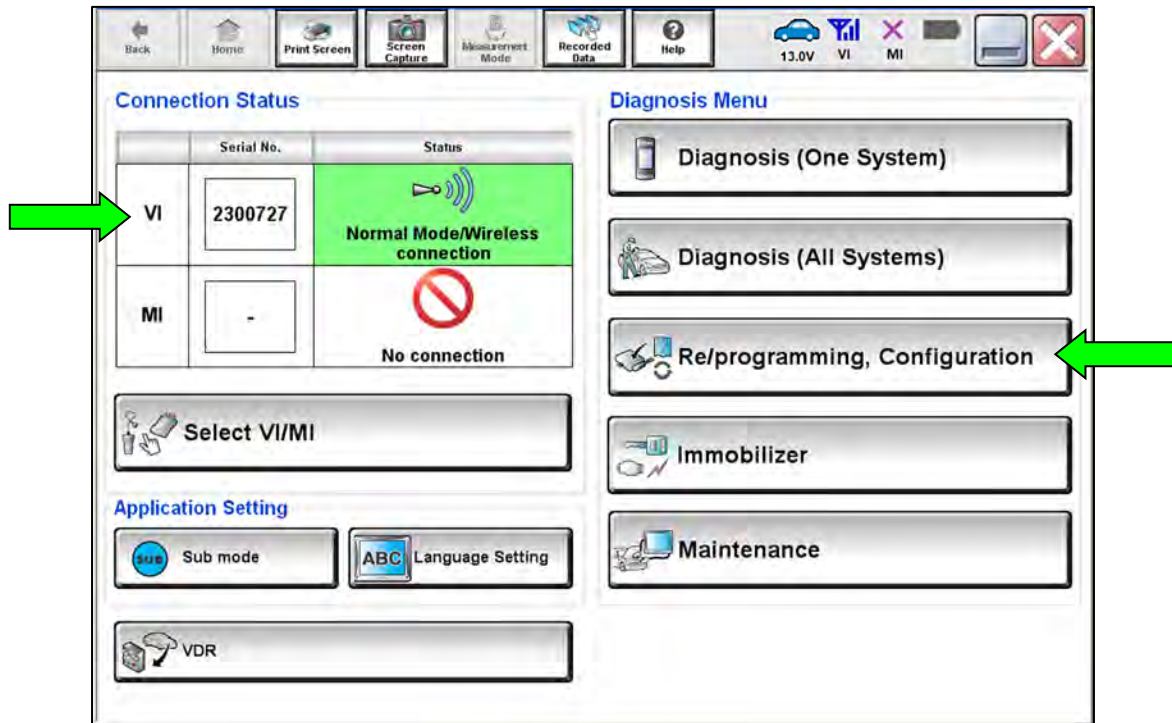


Figure 1

- 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 precautions.

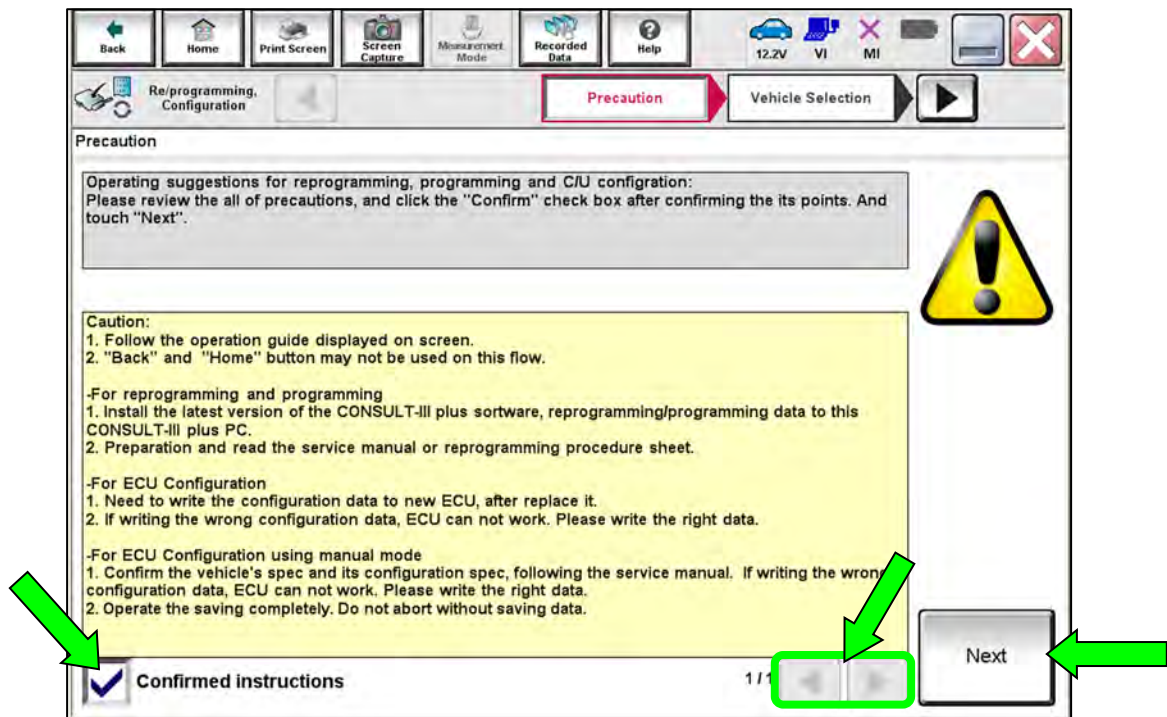


Figure 2

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

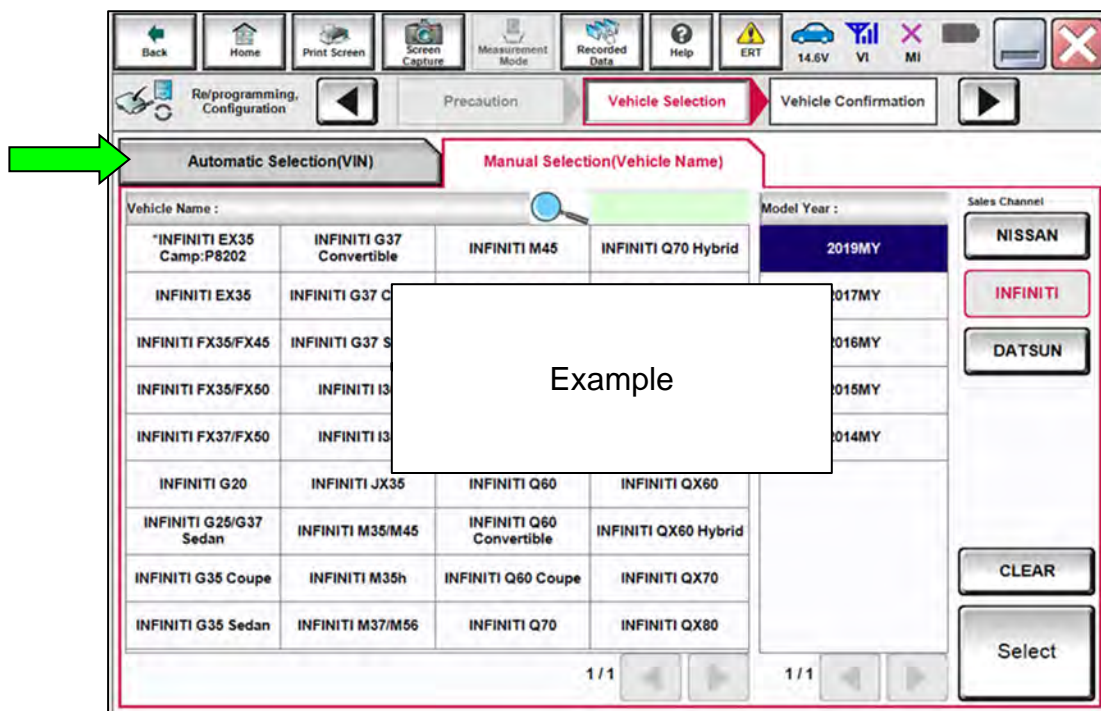


Figure 3

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

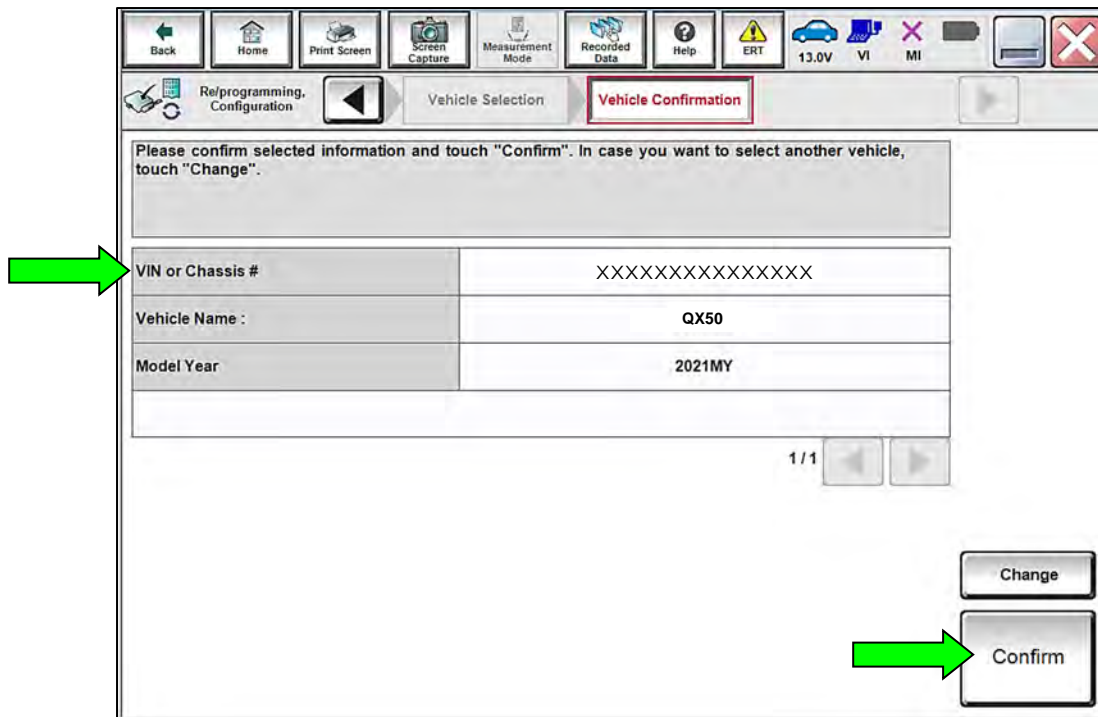


Figure 4

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

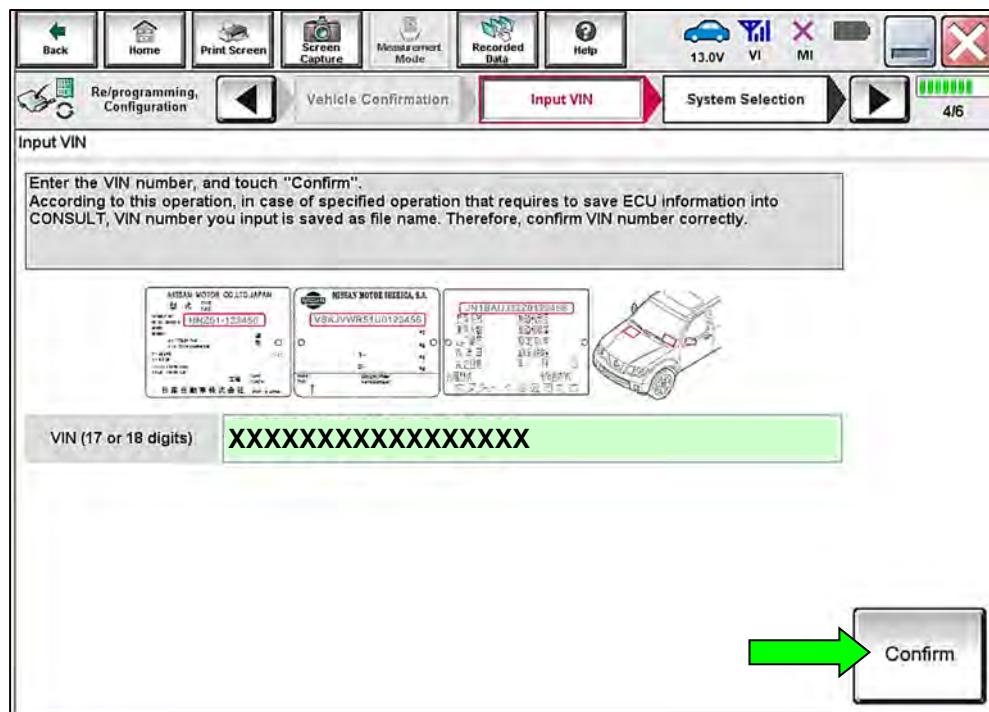


Figure 5

13. Select **ICC/ADAS 2**.

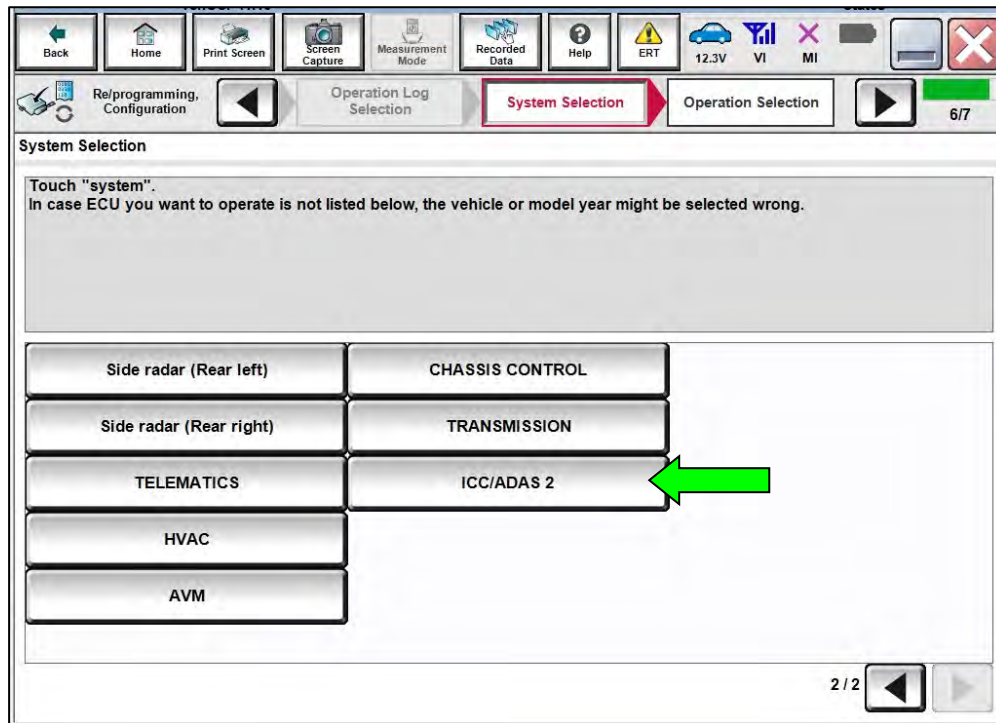


Figure 6

14. Select **Reprogramming**.

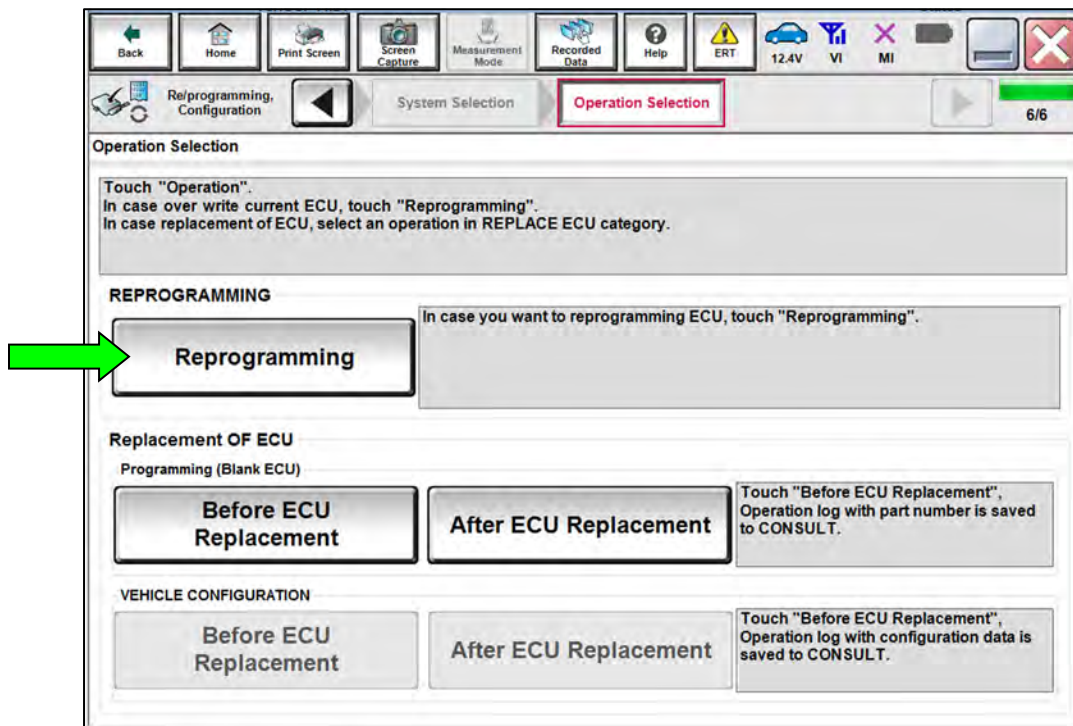


Figure 7

15. Find the **ICC/ADAS 2 Part Number** and write it on the repair order, and then select **Save**.

**HINT:** This is the current Part Number (P/N).

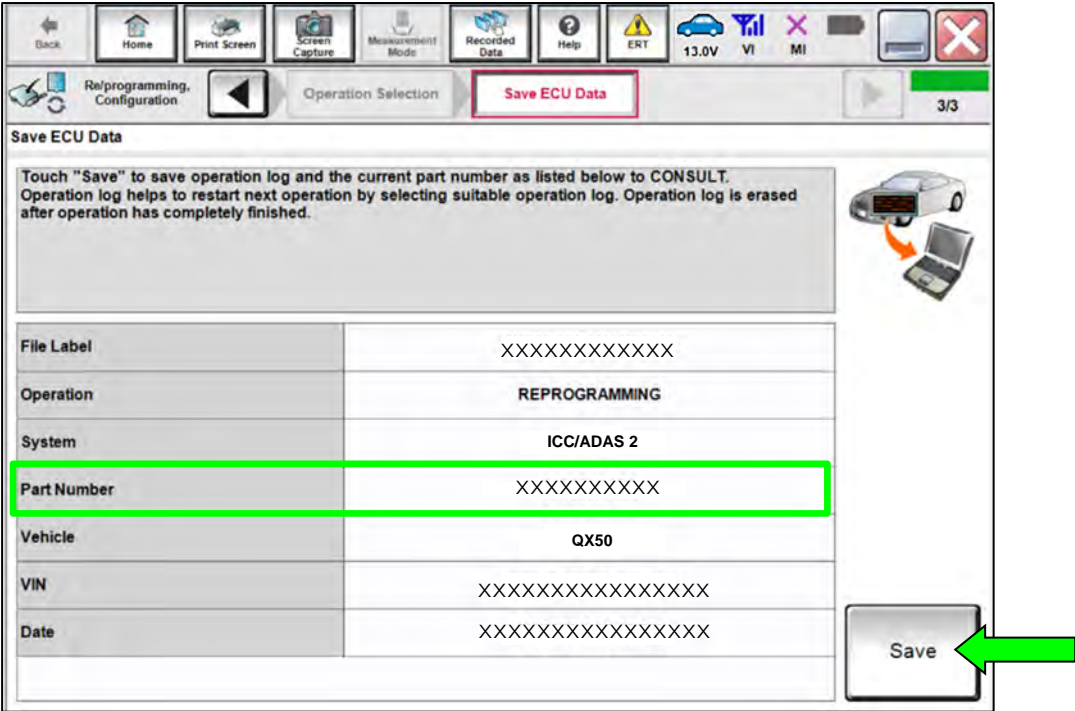


Figure 8

16. Compare the Part Number you wrote down in step 15 to the numbers in the **CURRENT ICC/ADAS 2 PART NUMBER** column in **Table A**.
- If there is a match in **Table A**, continue with the reprogramming procedure.
  - If there is not a match in **Table A**, this bulletin does not apply. See the ESM (Electronic Service Manual) for further diagnostic information.

Table A

<b>CURRENT ICC/ADAS 2 PART NUMBER: 284E7-</b>
5VS2D, 5VS2E, 5VS1E

- 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 precautions.

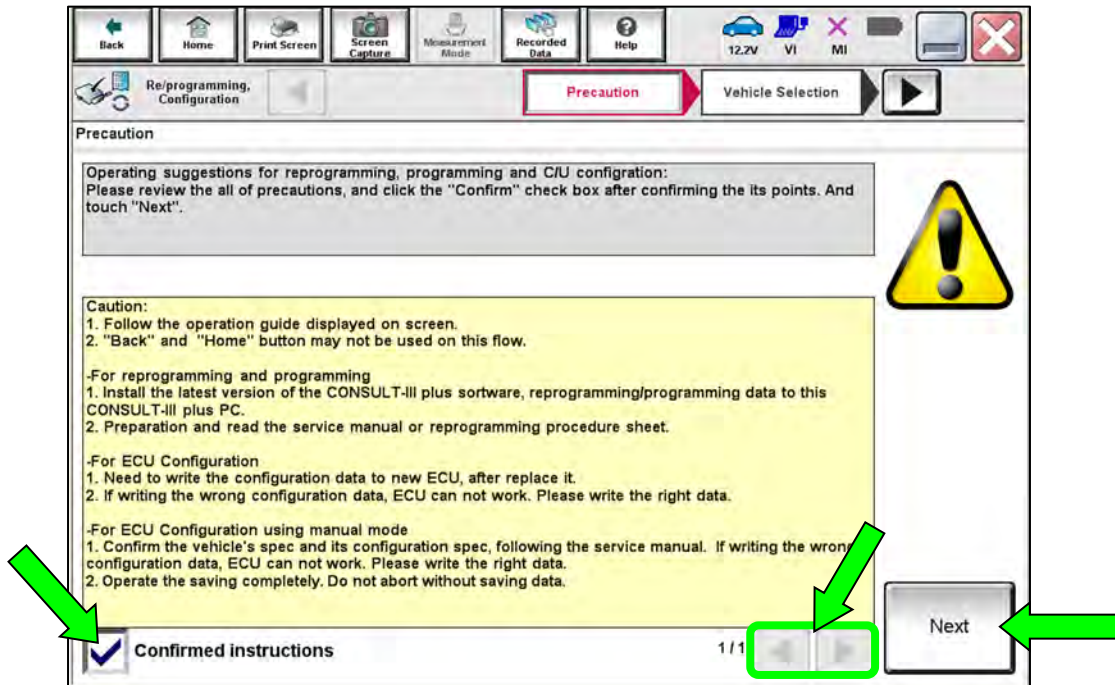


Figure 9

- Compare the **Current Part Number** and the **Part Number After Repr/programming**. They should be different.
- Select **Next**.

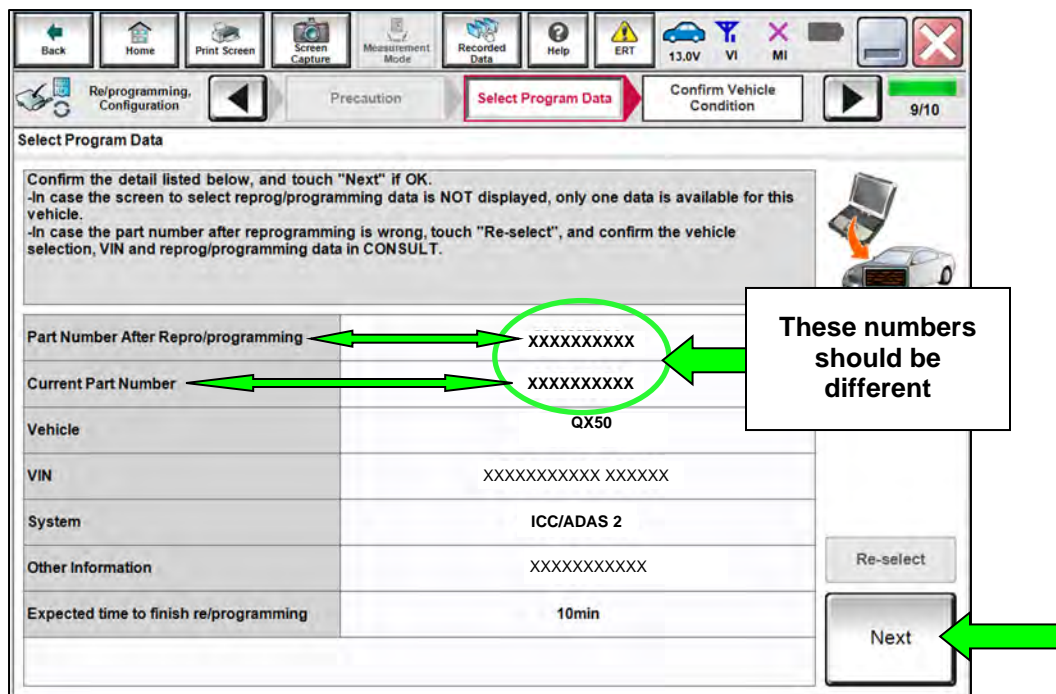


Figure 10

**HINT:**

- 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 11 displays.
  - Select and use the reprogramming option that does **not** have the message “Caution! Use ONLY with ITBXX-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.

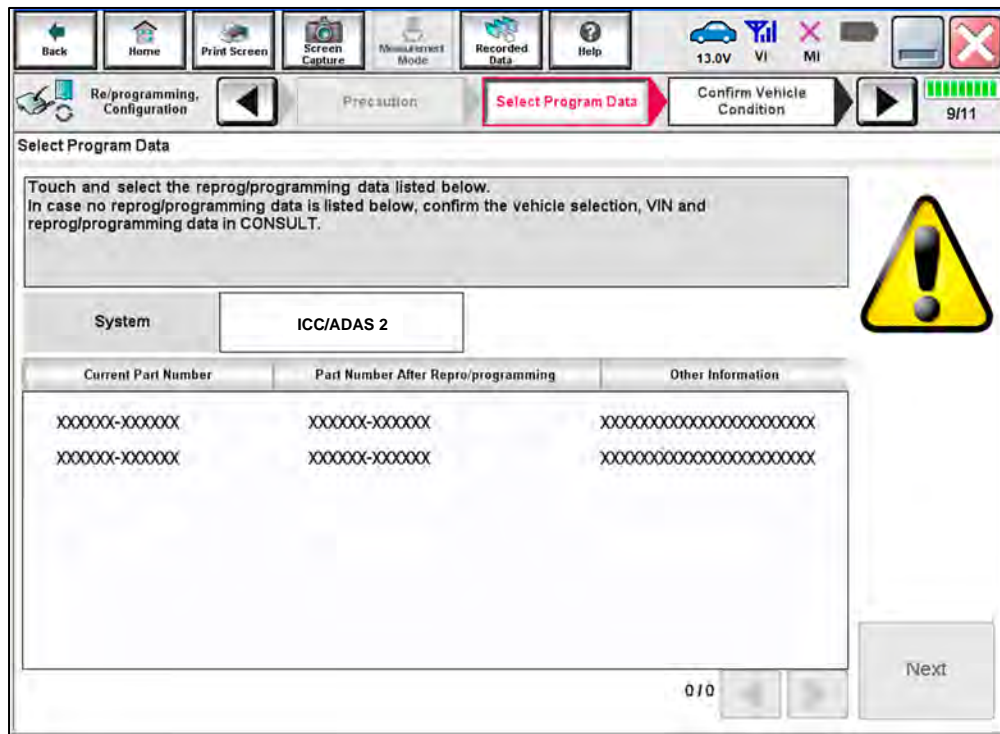


Figure 11

20. Make sure **OK** is highlighted **green** (battery voltage must be between **12.0** and **13.5** volts).

**NOTICE**

To avoid damage to the control unit, ensure a battery maintainer or smart charger is connected. The battery voltage must be between 12.0V and 13.5V during reprogramming.

21. Select **Next**.

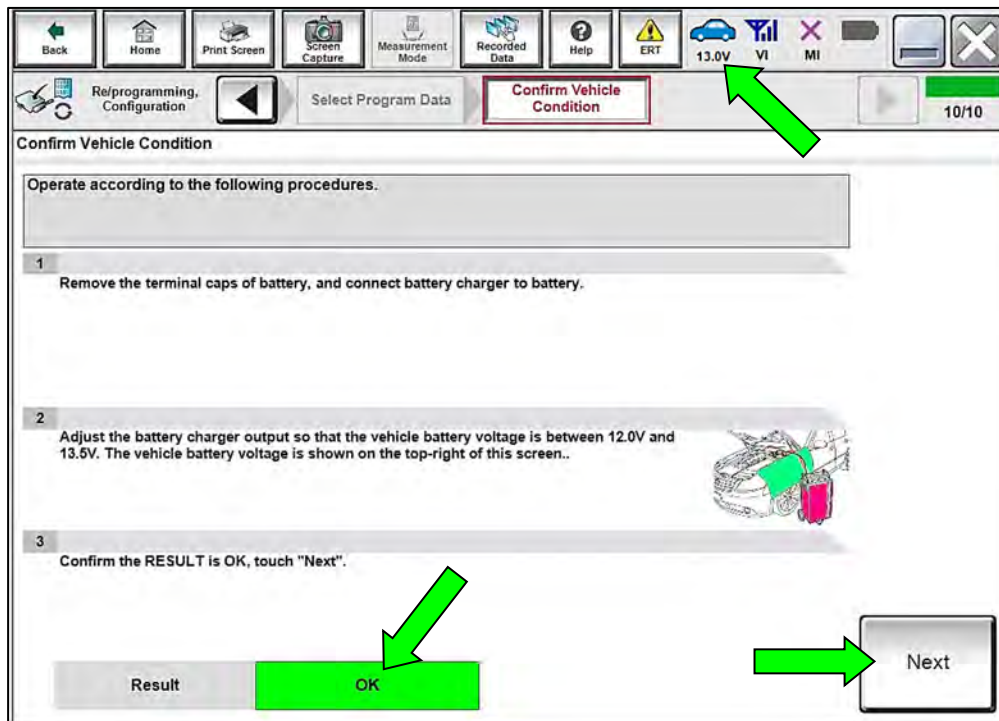


Figure 12

22. Confirm the **Judgement** for all the **Monitor Items** are “OK”, and then select **Start**.

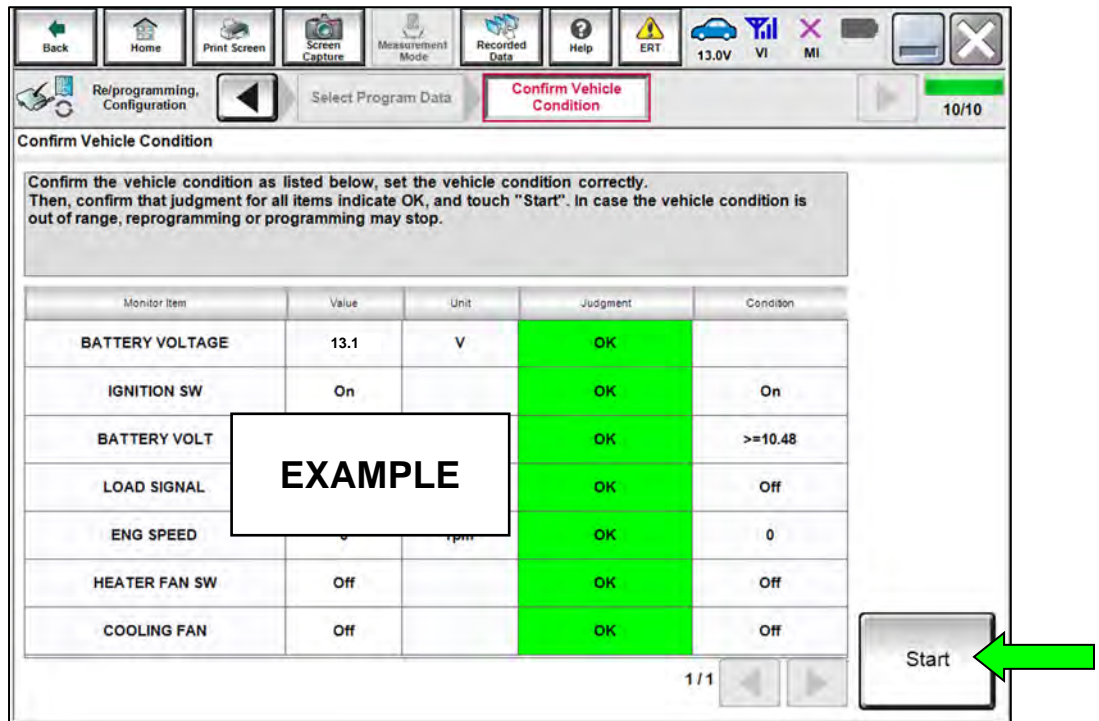


Figure 13

23. Allow **Transfer Data** to complete.

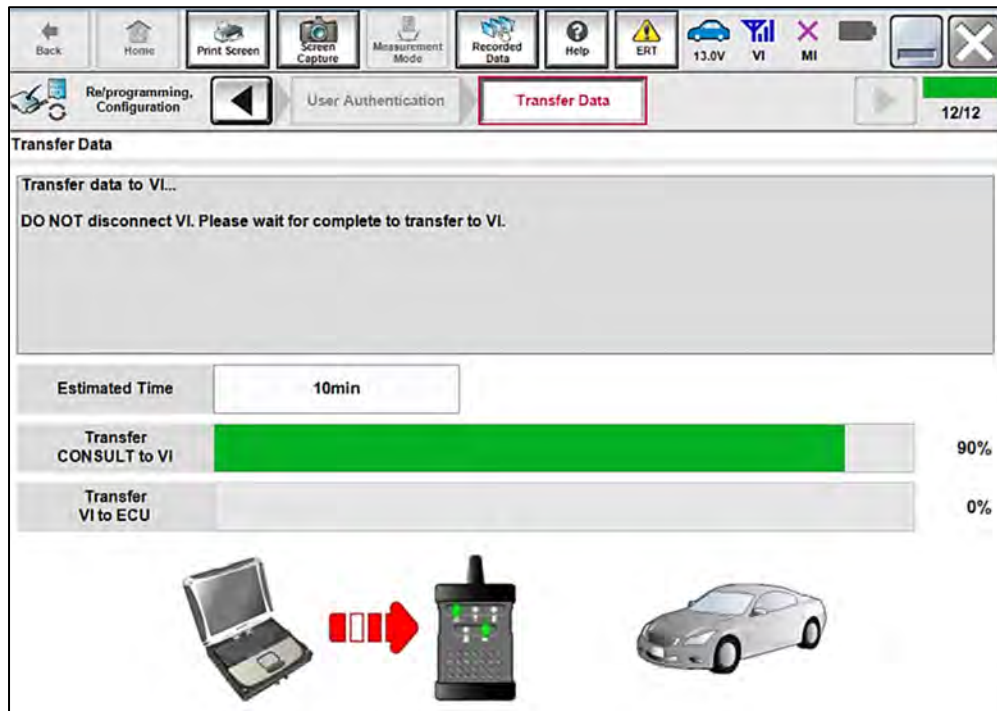


Figure 14

24. Once the reprogramming completes, select **Next**.

**HINT:**

- If the screen in Figure 15 does not display (indicating that reprogramming did not complete), refer to the information on the next page.
- Additional steps/operations are required before CONSULT will provide the final reprogramming confirmation report. Continue with the reprogramming procedure on page 14.

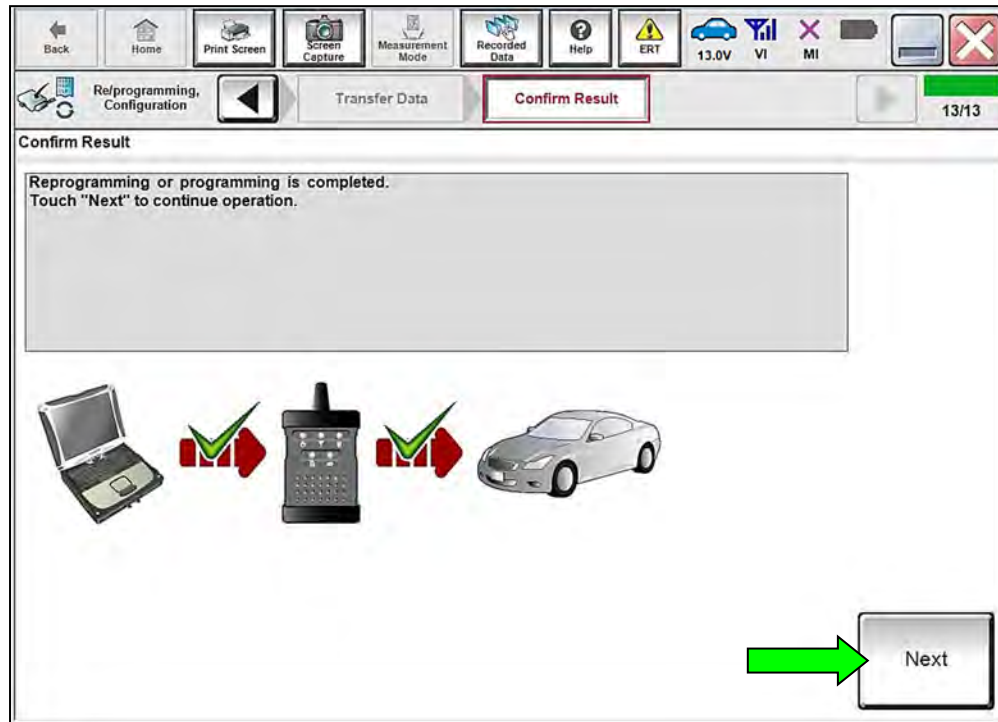


Figure 15

## ICC/ADAS 2 Control Module 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 16:

- Check battery voltage (12.0 - 13.5 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.

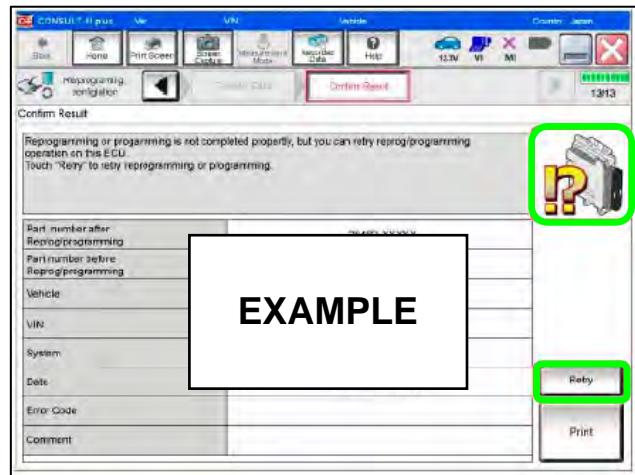


Figure 16

If reprogramming does not complete and the “X” icon displays, as shown in Figure 17:

- Check battery voltage (12.0 - 13.5 V).
- CONSULT A/C adapter is plugged in.
- Ignition is ON, engine OFF.
- 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.

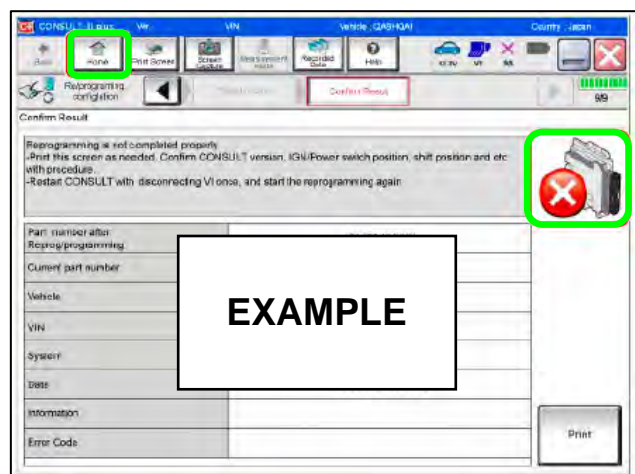


Figure 17

25. Perform **Erase All DTCs**.

- a. Follow the on-screen instructions as shown in Figure 18 and Figure 19.

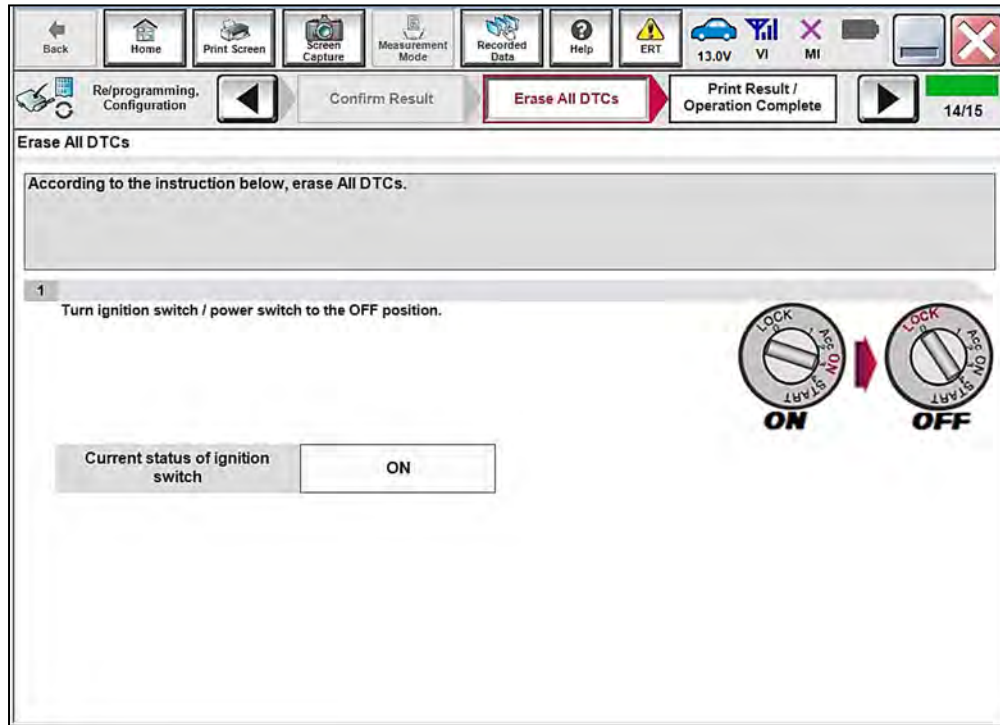


Figure 18

- b. Select **Next**.

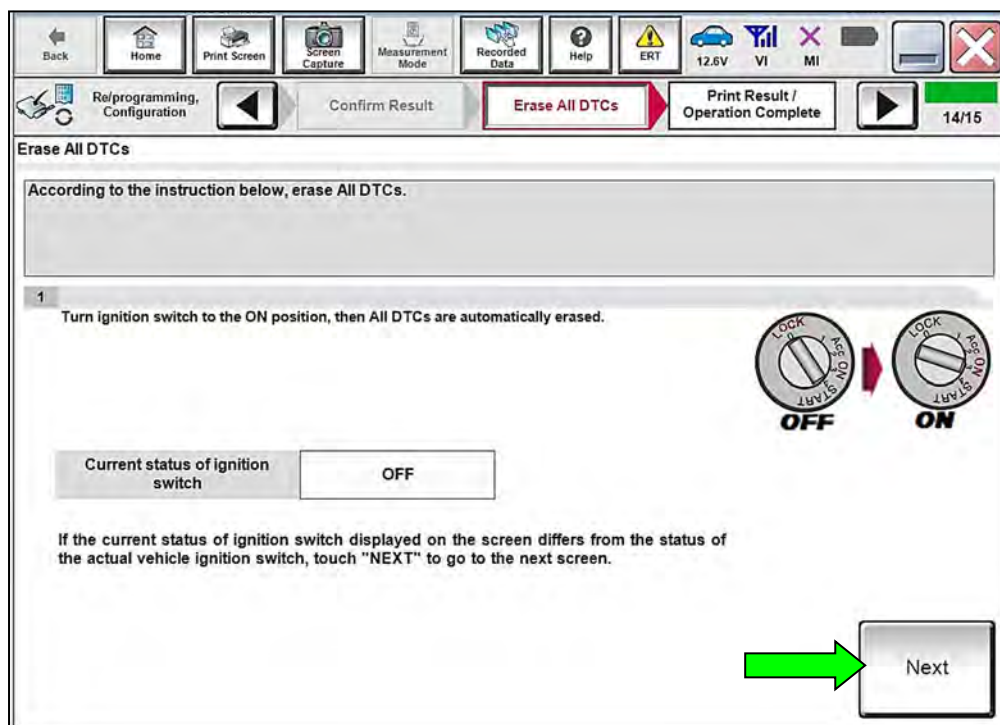


Figure 19

**HINT:** When the entire reprogramming process is complete, the screen in Figure 20 will display.

- 26. Verify the before and after part numbers are different.
- 27. Print a copy of the screen below (Figure 20) and attach it to the repair order for warranty documentation.

**HINT:** If you cannot print the screen:

- a. Select **Screen Capture**.
- b. Name the file.
- c. 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.

- 28. Select **Confirm**.

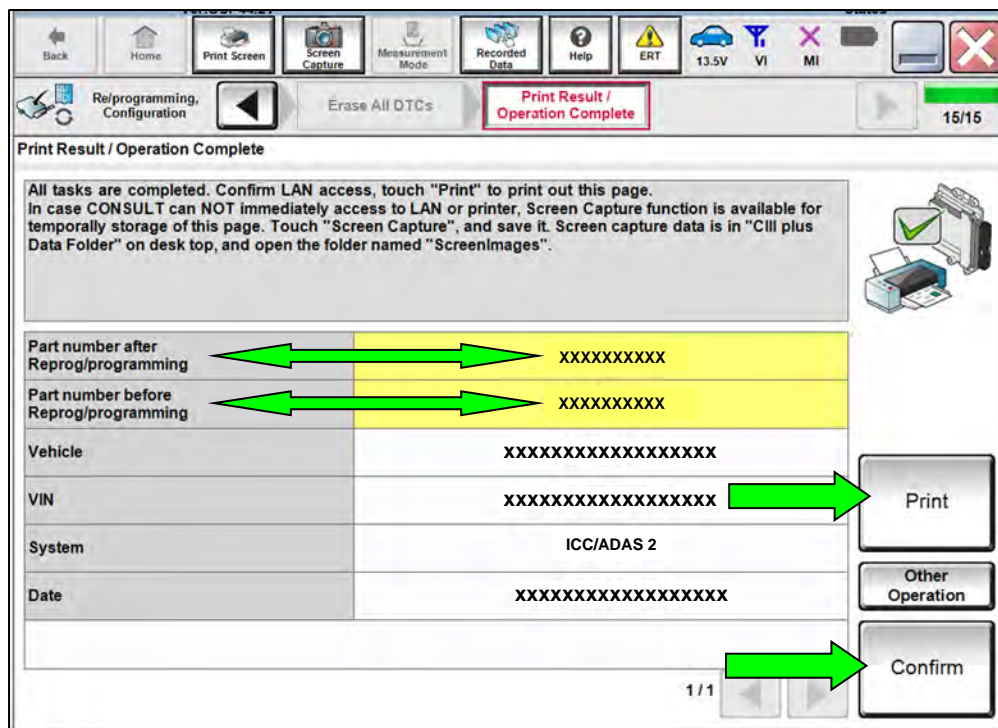


Figure 20

- 29. Select **Home** (screen not shown).

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

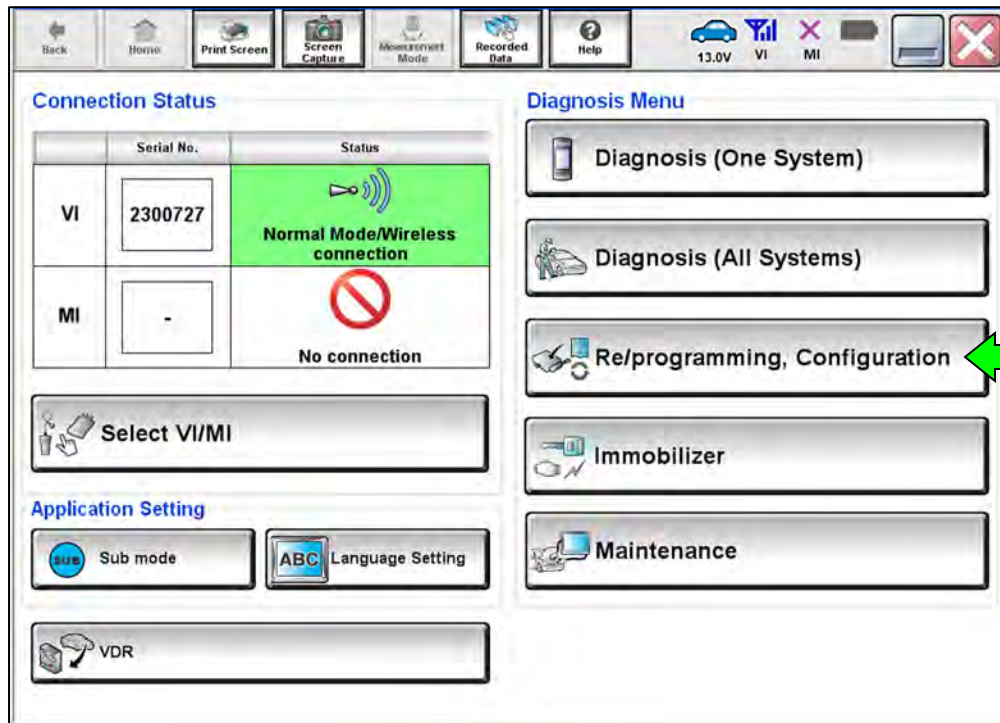


Figure 21

31. 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 precautions.

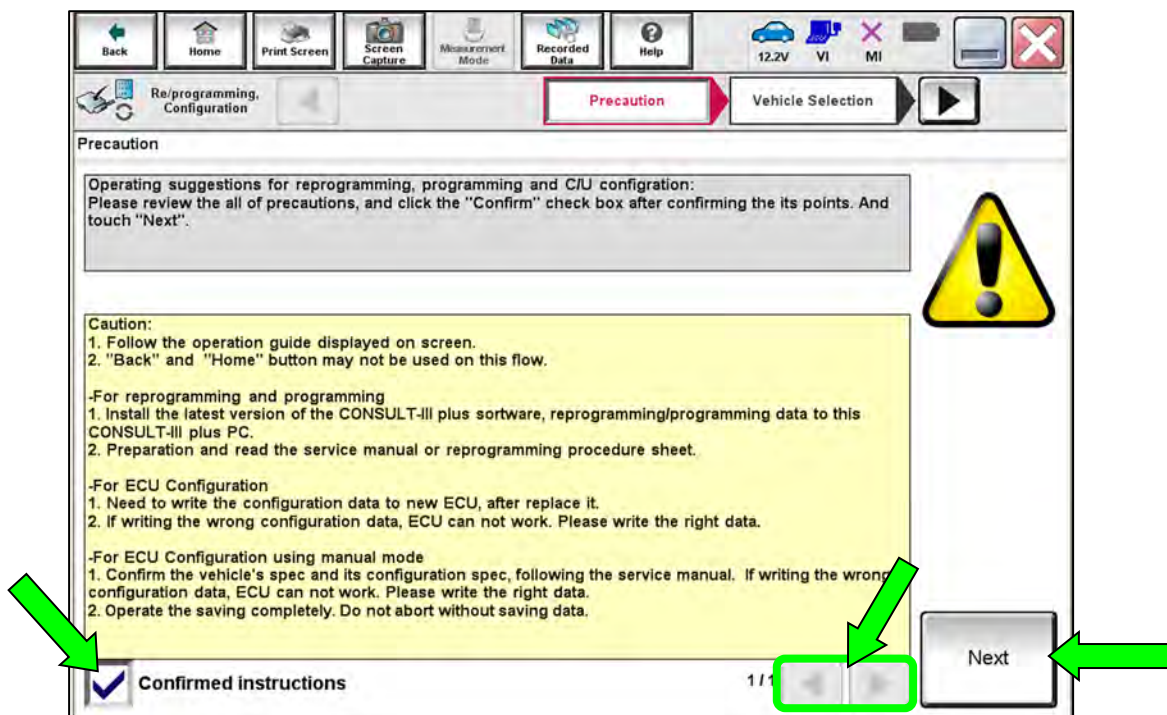


Figure 22

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

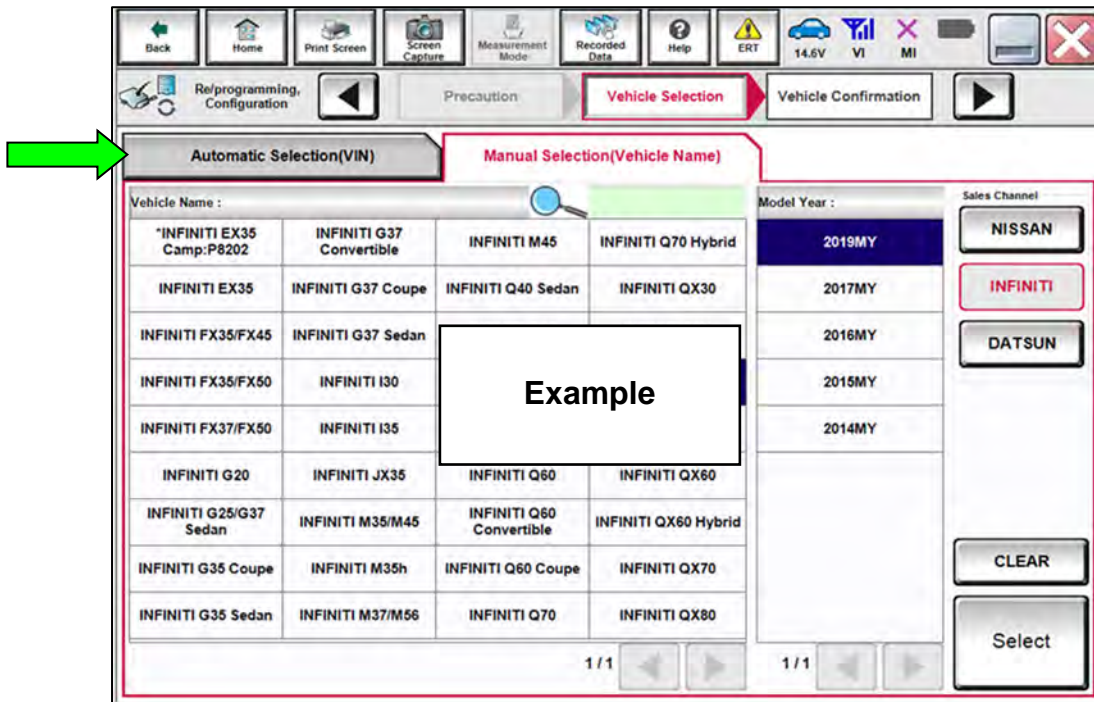


Figure 23

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

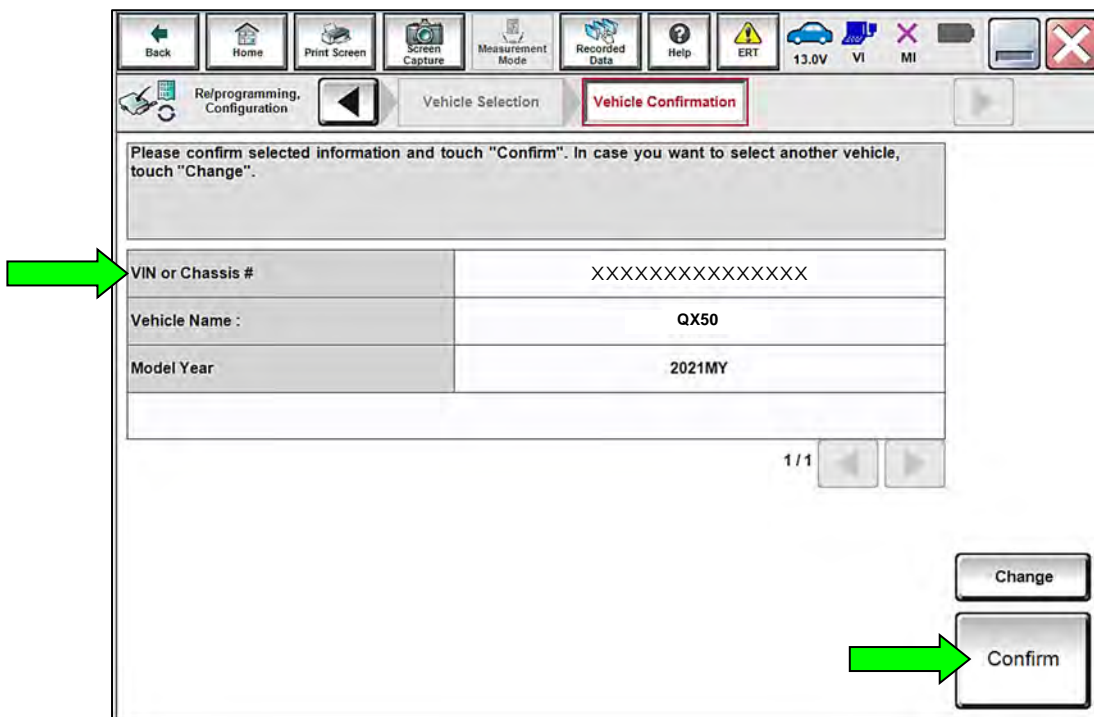


Figure 24

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

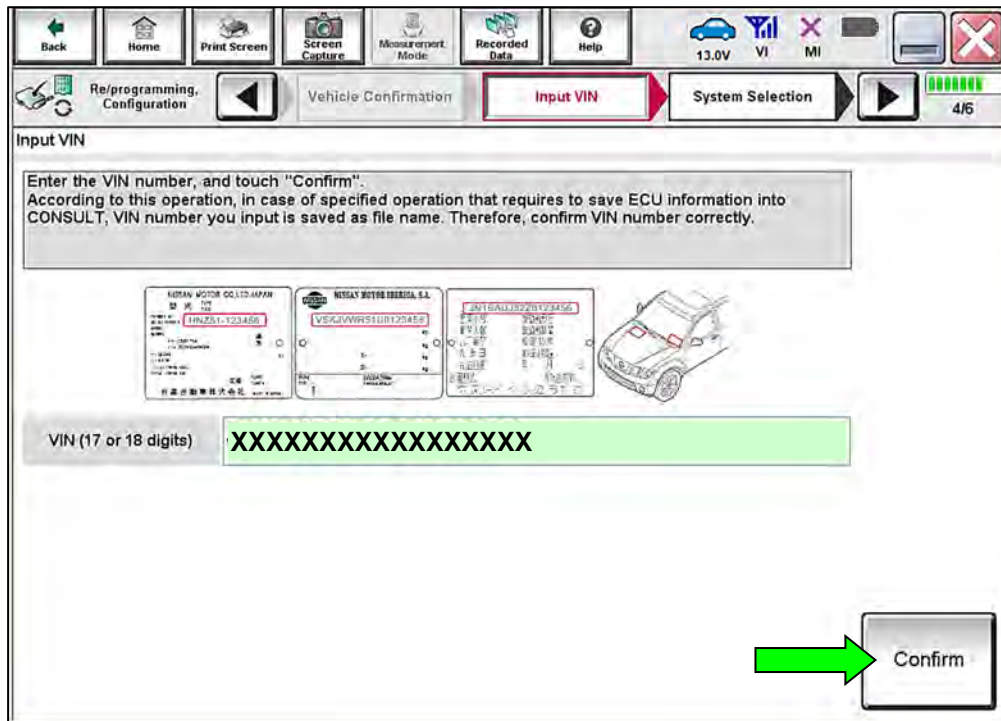


Figure 25

35. Select **ICC/ADAS 2**.

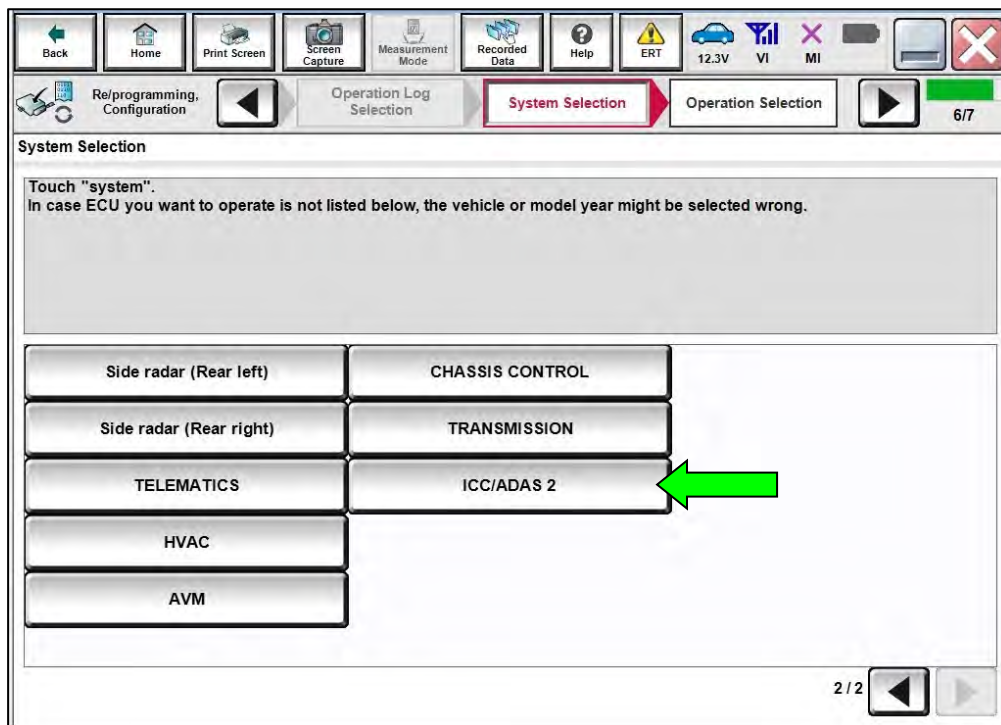


Figure 26

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

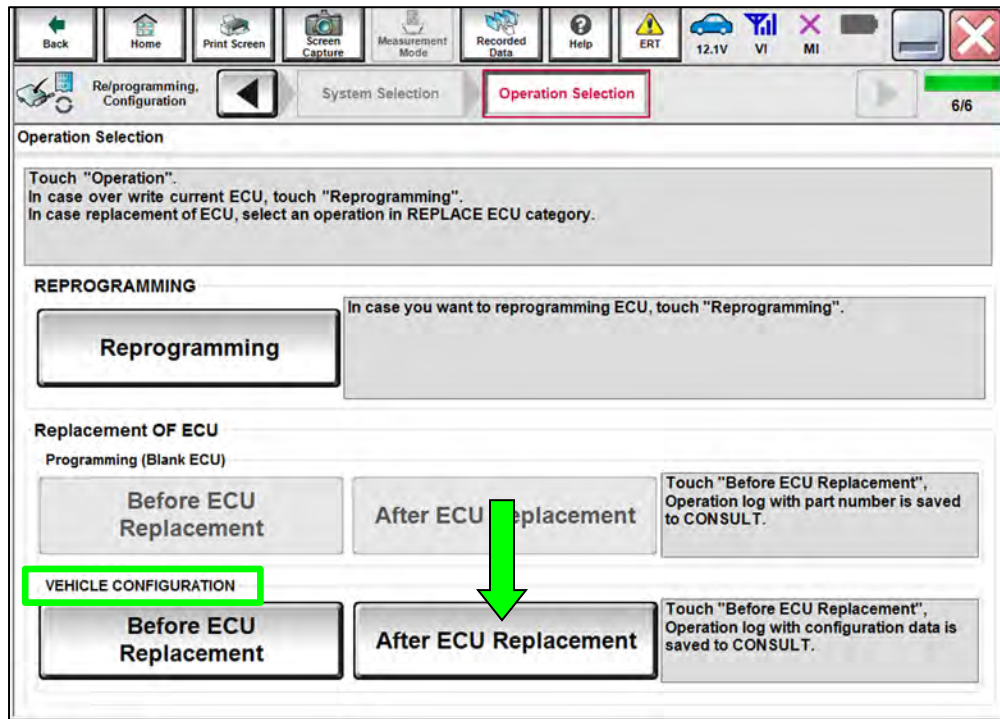


Figure 27

37. Select **Manual selection**.

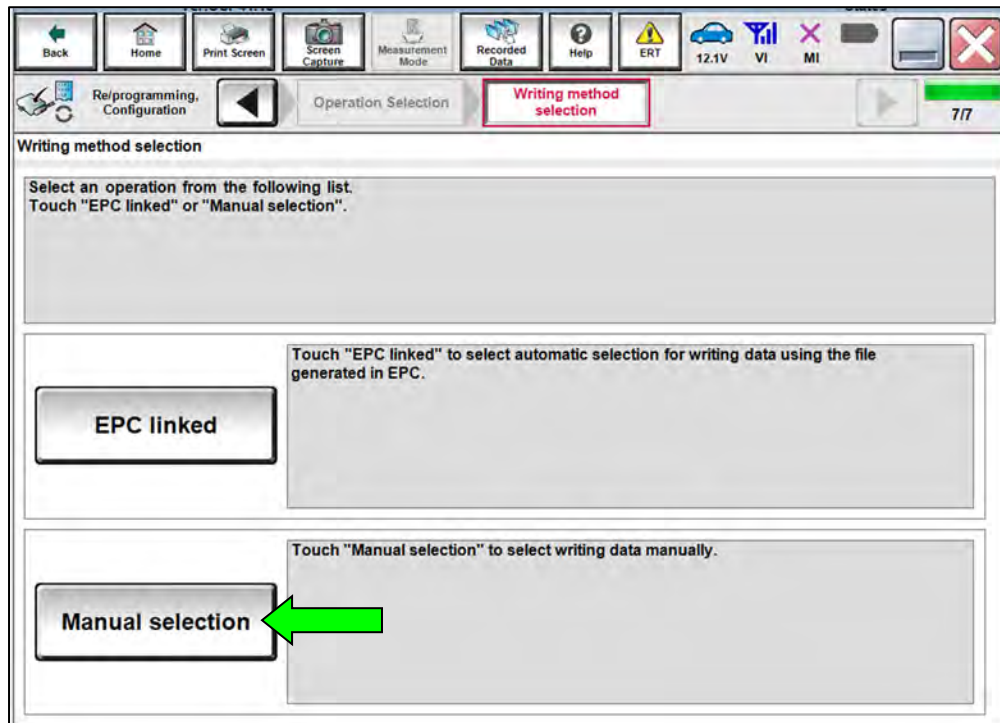


Figure 28

38. Select the applicable **Type ID**, and then select **Next**.
- Refer to the EPC to determine the current **Type ID** for your VIN.

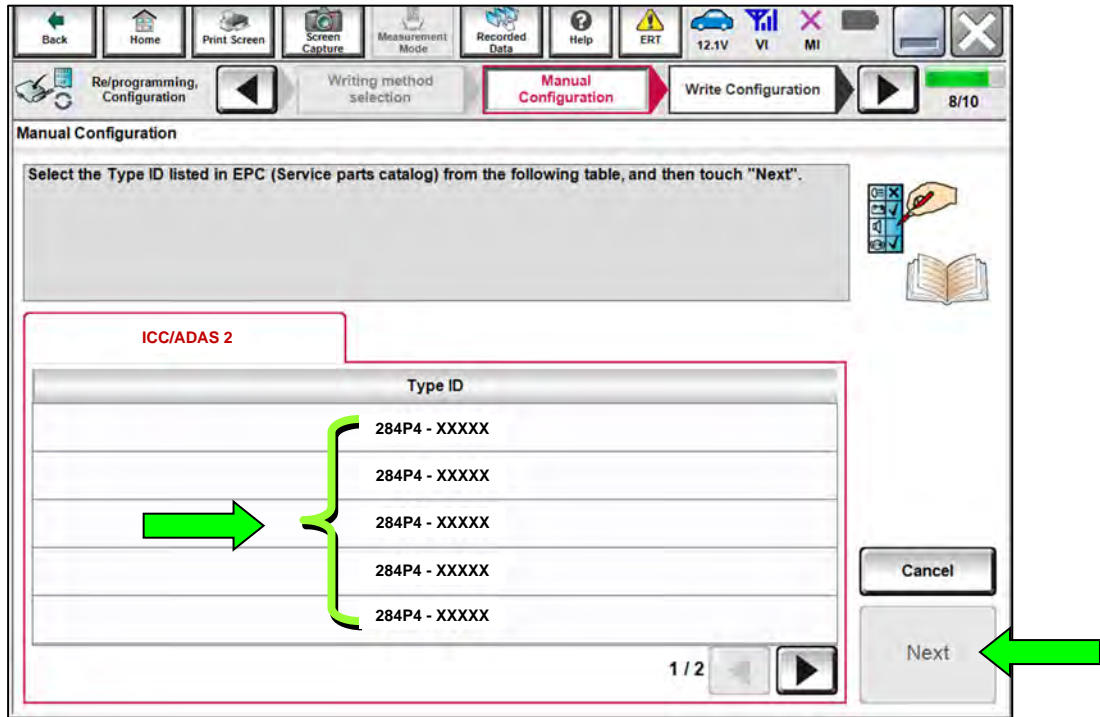


Figure 29

39. Select **OK**.

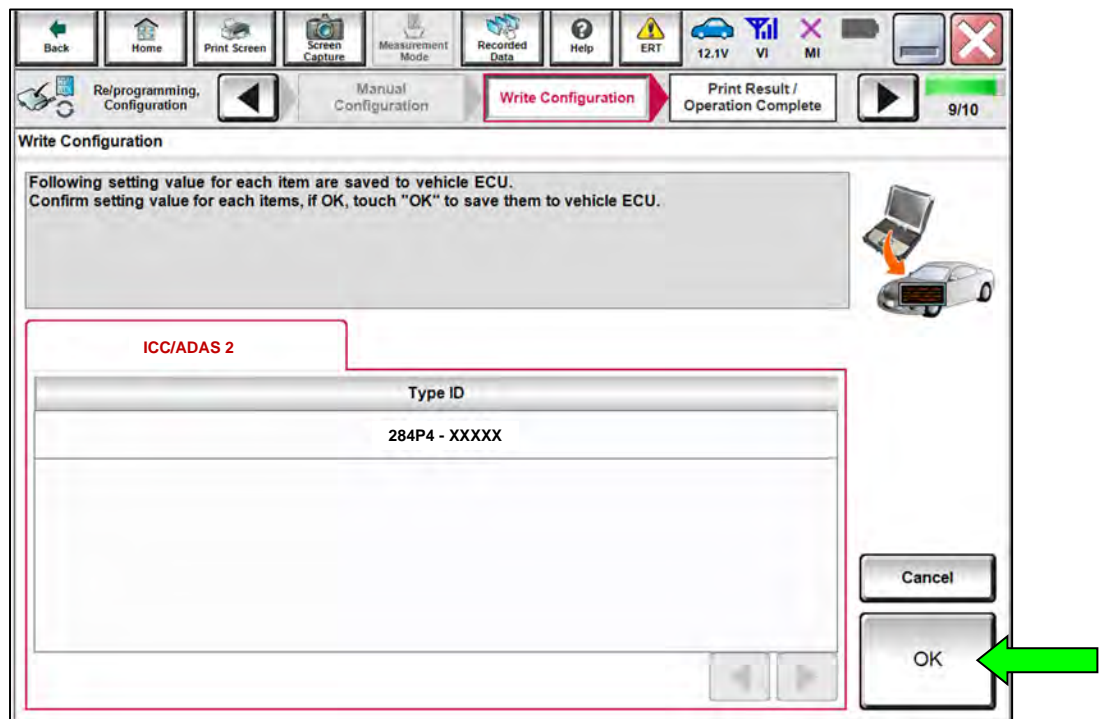


Figure 30

40. Select **End**.

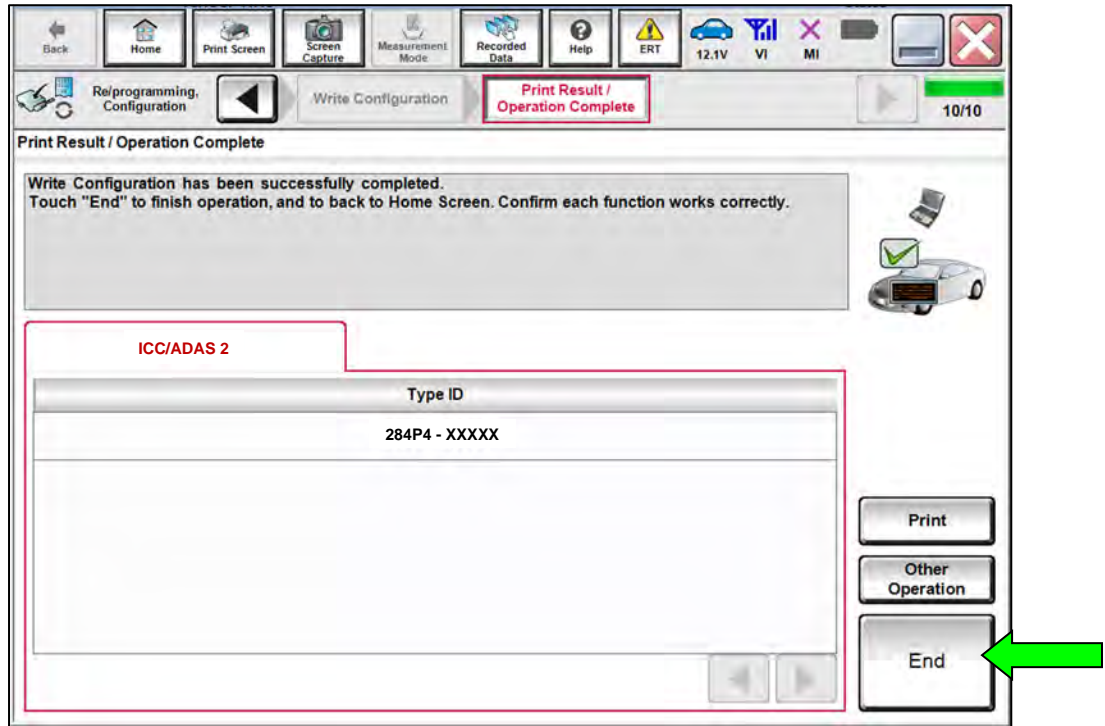


Figure 31

41. Select **Home** (screen not shown).

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

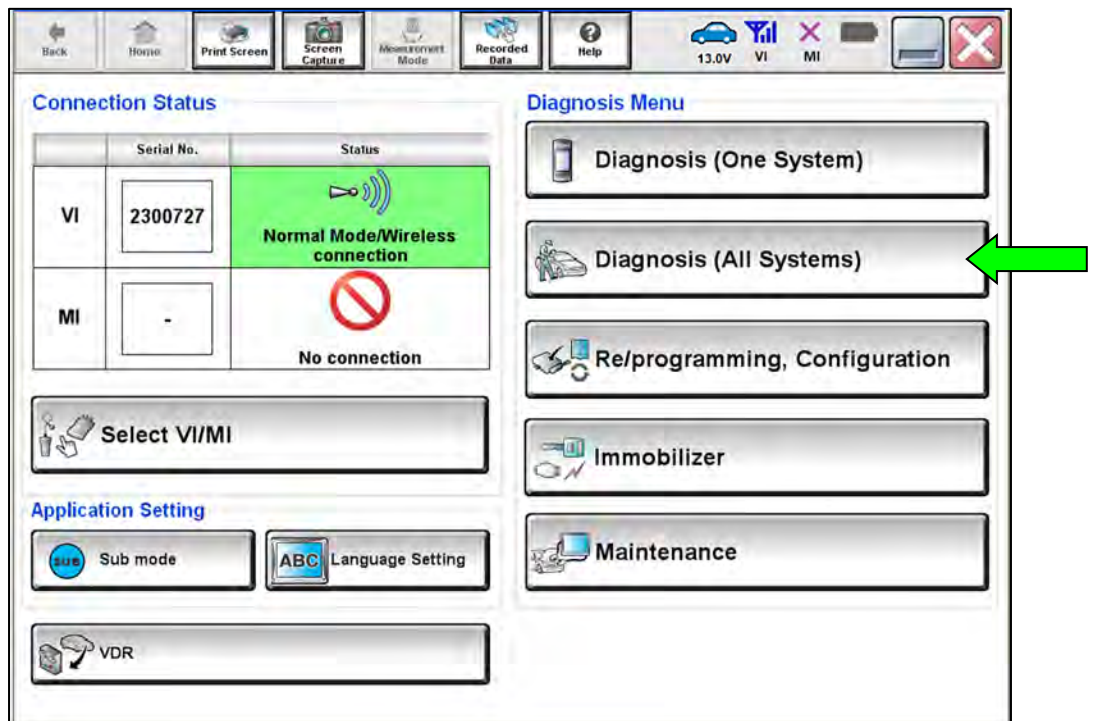


Figure 32

43. Select **ERASE**.

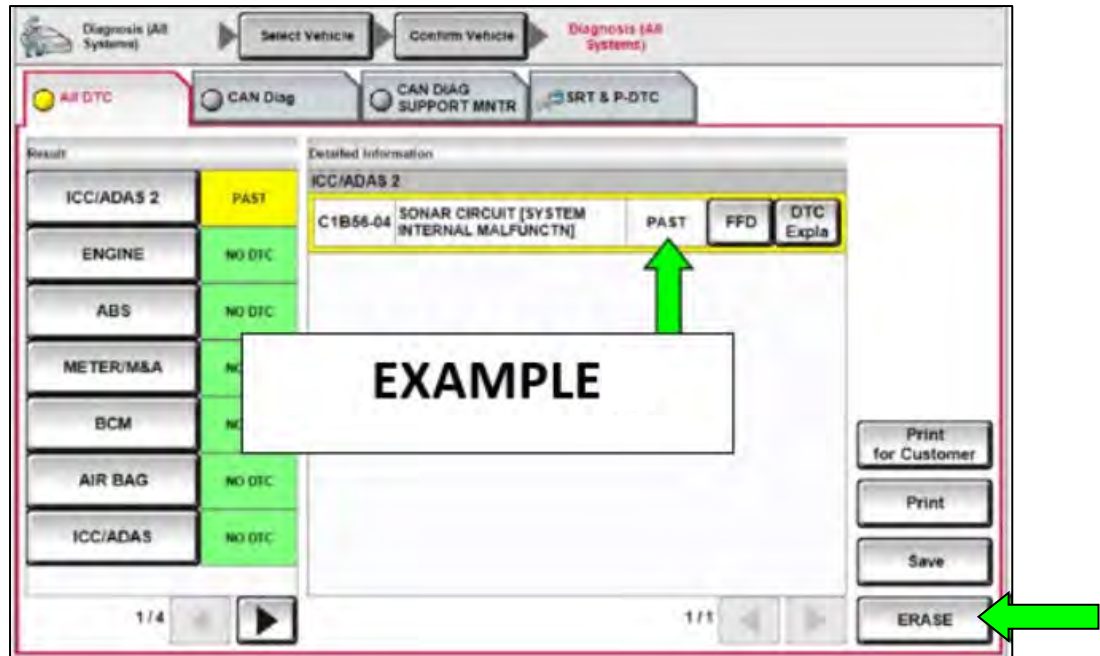


Figure 33

## CLAIMS INFORMATION

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

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
Perform Software Check ICC/ADAS 2	(1)	RXF2AA	ZE	32	0.3

- (1) Refer to the electronic parts catalog and use the Warning Speaker Controller ASSY (284P1-\*\*\*\*\*) part number as the Primary Failed Part (PFP).

**OR**

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
Perform Software Check & Update ICC/ASAD2	(1)	RXF3AA	ZE	32	1.0

- (1) Refer to the electronic parts catalog and use the Warning Speaker Controller ASSY (284P1-\*\*\*\*\*) part number as the Primary Failed Part (PFP).

**HINT:** FRT allows adequate time to access DTC codes. No other diagnostic procedures subsequently required. Do NOT claim any Diagnostic Op Codes with this claim.

## AMENDMENT HISTORY

PUBLISHED DATE	REFERENCE	DESCRIPTION
July 19, 2024	ITB24-010	Original bulletin published