



TECHNICAL SERVICE BULLETIN

Classification: DA21-005B	Reference: NTB21-115B	Date: July 11, 2024
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FALSE ACTIVATION OF AEB OR FCW

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

APPLIED VEHICLES:	2021-2022 Altima (L34) 2022-2023 Frontier (D41) 2020-2022 Sentra (B18)
APPLIED DATES:	Altima: All Frontier: All Sentra: Built on or before March 10, 2022
APPLIED SYSTEMS:	Automatic Emergency Braking/Forward Collision Warning

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

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.

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

Reprogram the ICC/ADAS 2

IMPORTANT: Before starting, make sure:

- ASIST 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 may 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**.

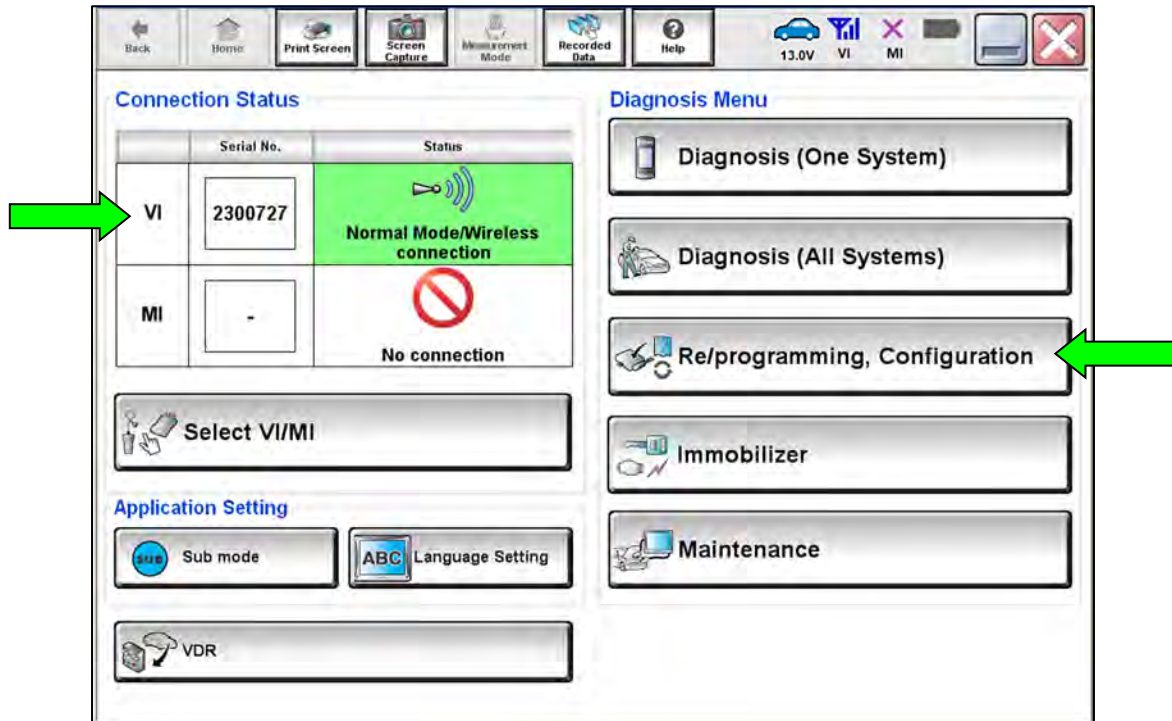


Figure 1

9. 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.

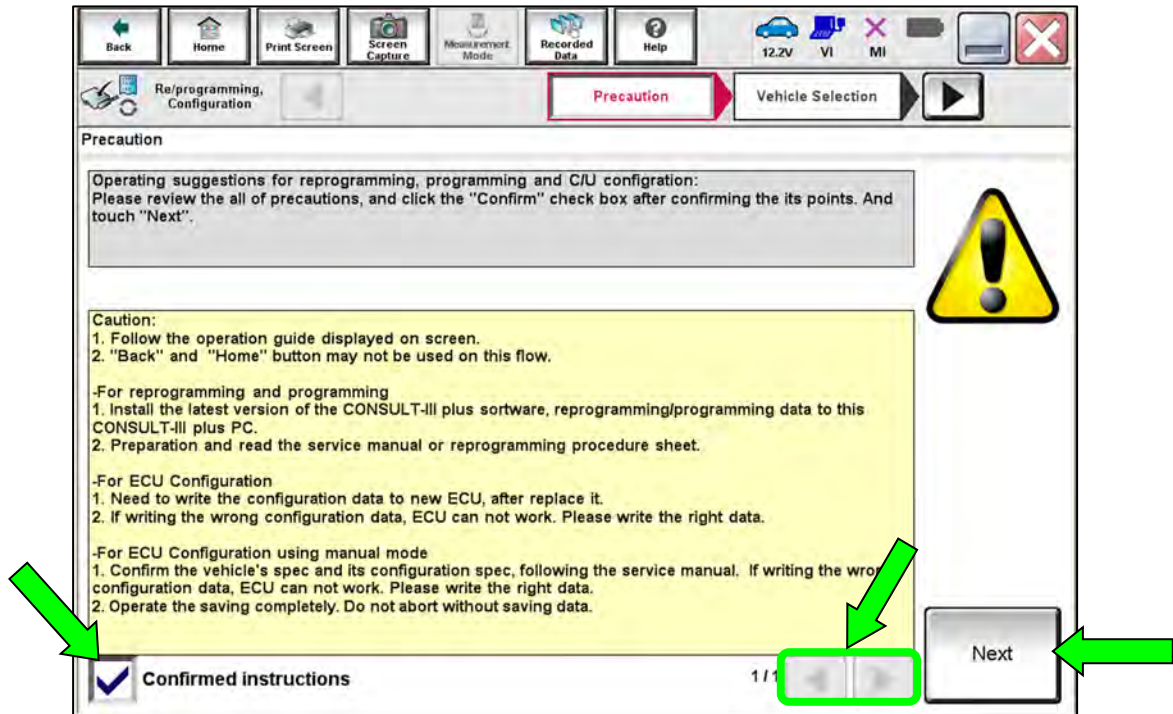


Figure 2

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

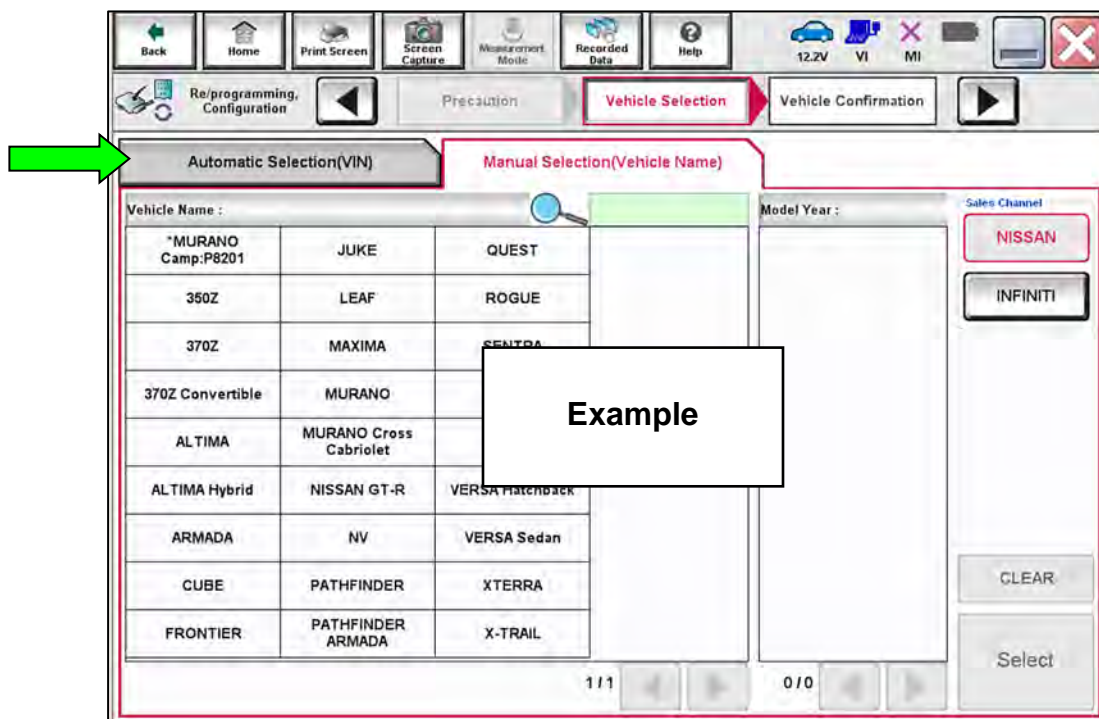


Figure 3

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

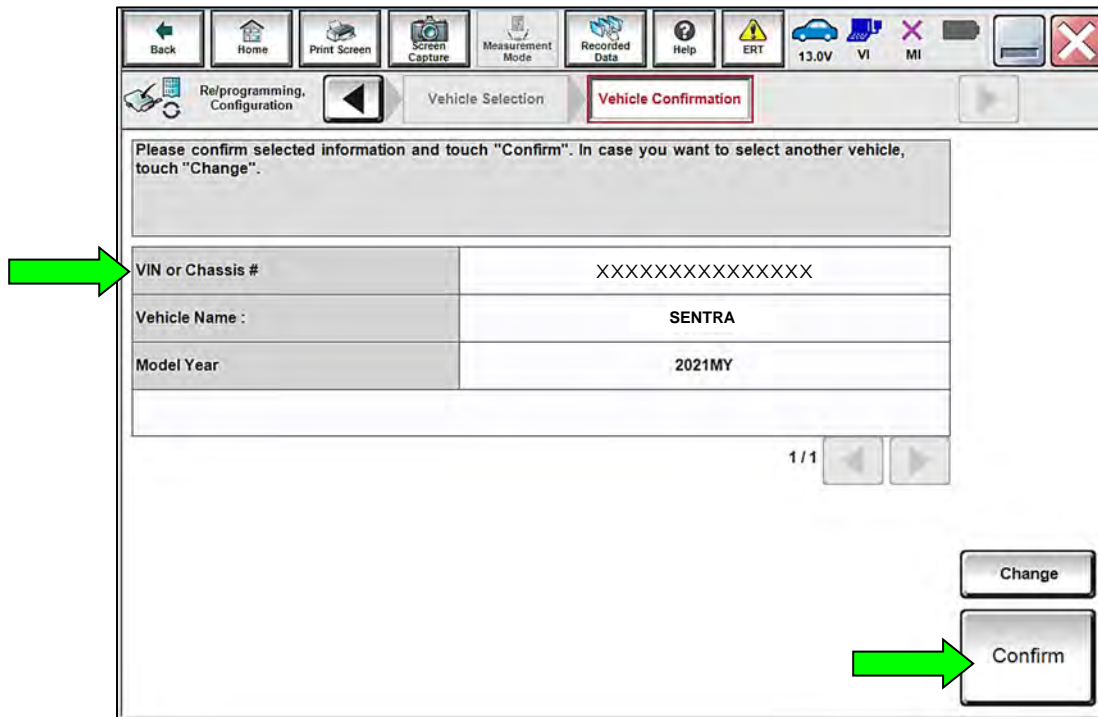


Figure 4

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

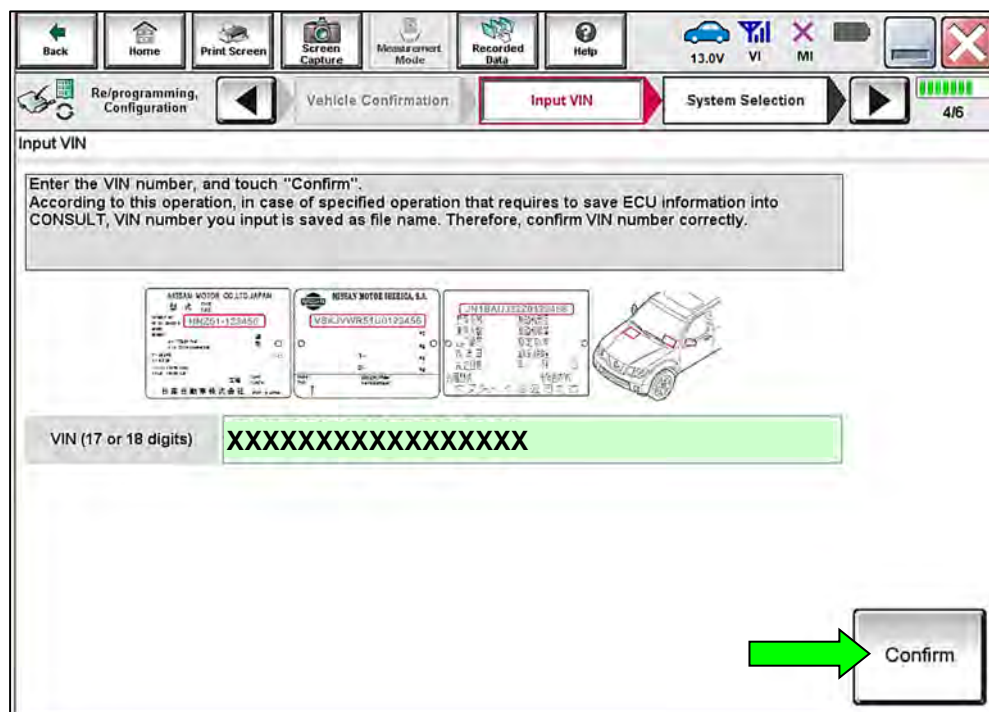


Figure 5

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

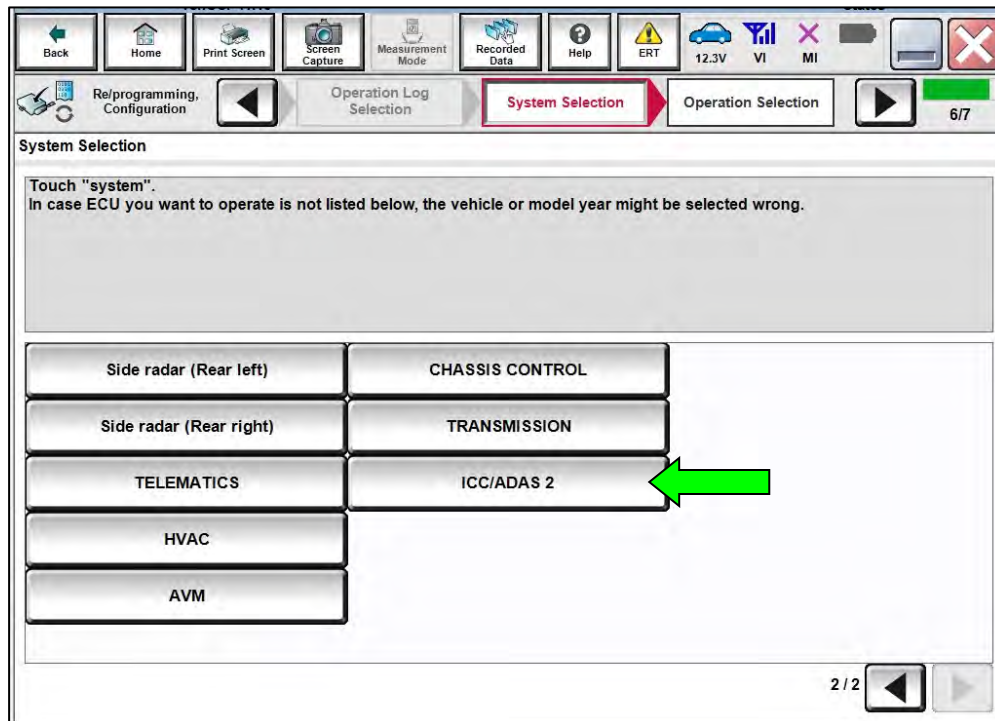


Figure 6

14. Select **Reprogramming**.

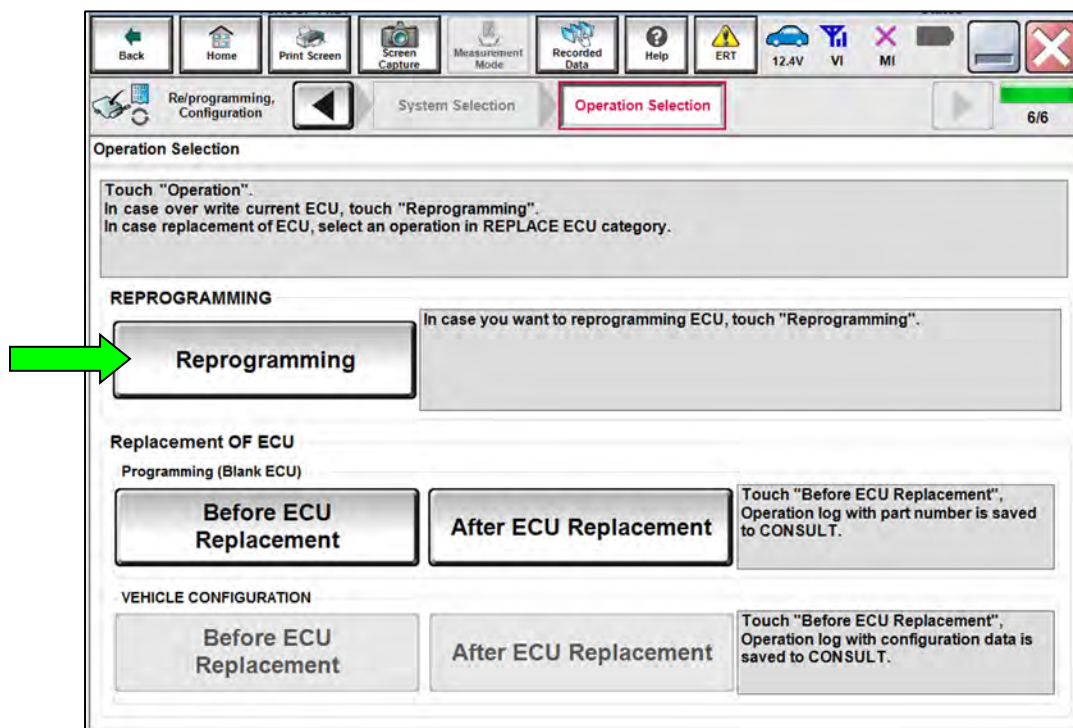


Figure 7

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).

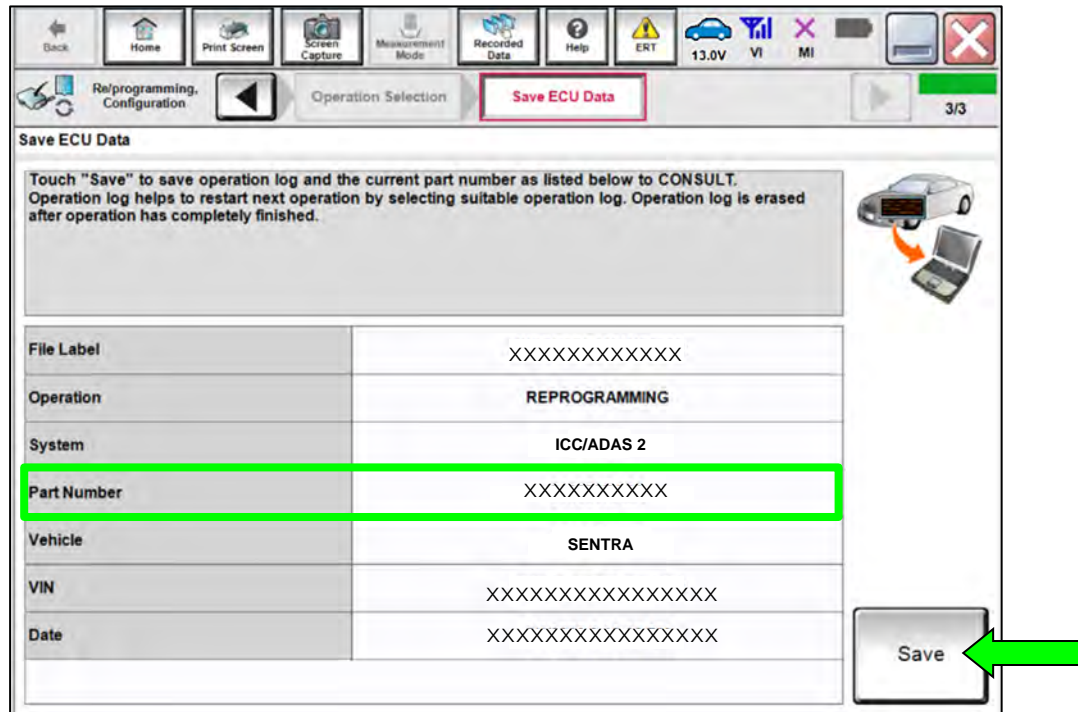


Figure 8

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

MODEL	CURRENT ICC/ADAS 2 PART NUMBER: 284E7-	CURRENT ICC/ADAS 2 PART NUMBER: 284P1-
Altima	9HB3E	9HB0B, 9HB0C
	CURRENT ICC/ADAS 2 PART NUMBER: 284P1-	
Sentra	6LA1E 6LA3A, 6LA4A, 6LA5A, 6LA6A, 6LA7A, 6LA7E 6LW0A, 6LW0B, 6LW0C, 6LW0D, 6LW0E 6LW1A, 6LW1B	
Frontier	9BU3A, 9BU3C 9BU4B, 9BU4D, 9BU4E	

17. 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.

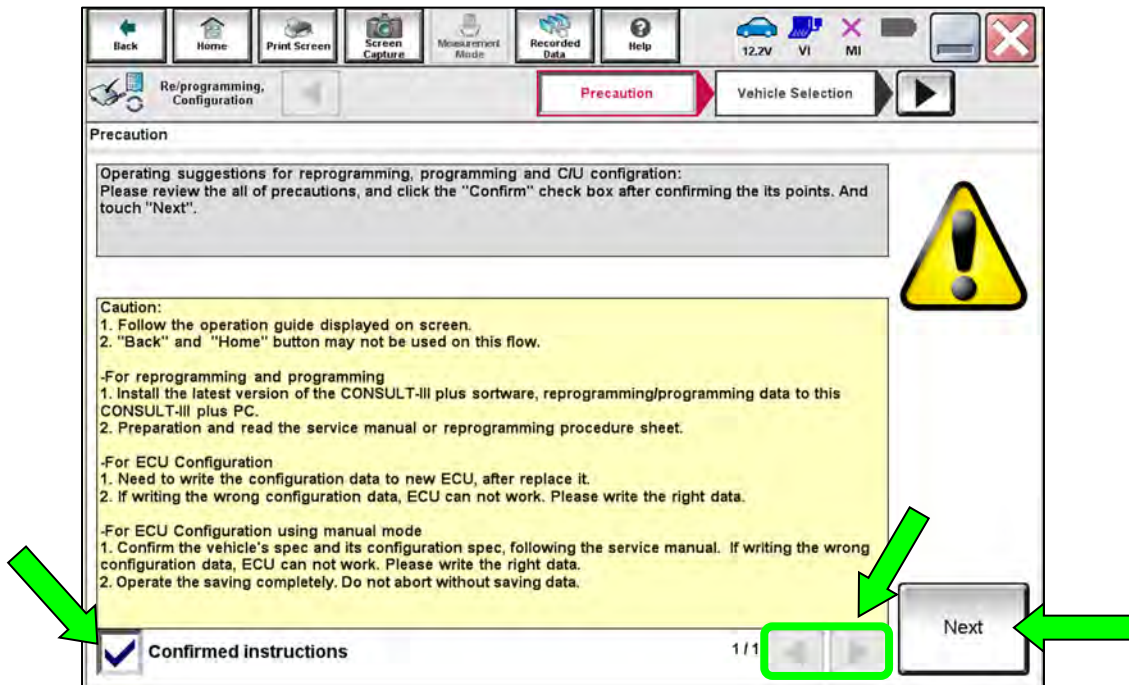


Figure 9

18. 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.

19. Select **Next**.

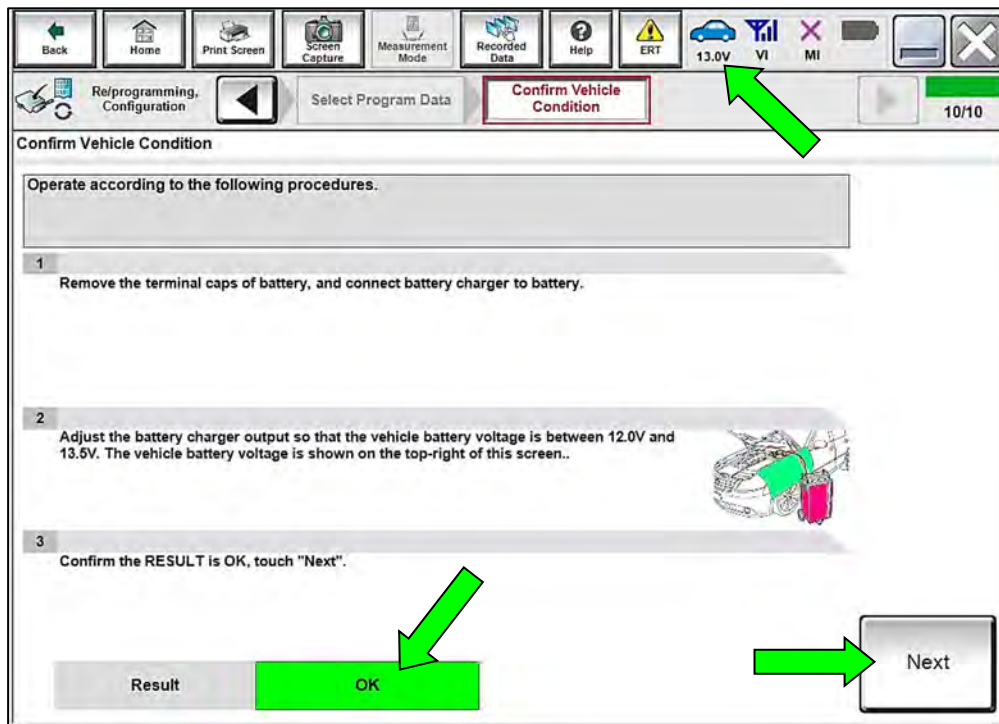


Figure 10

- Confirm the **Judgement** for all the **Monitor Items** are "OK", and then select **Start**.

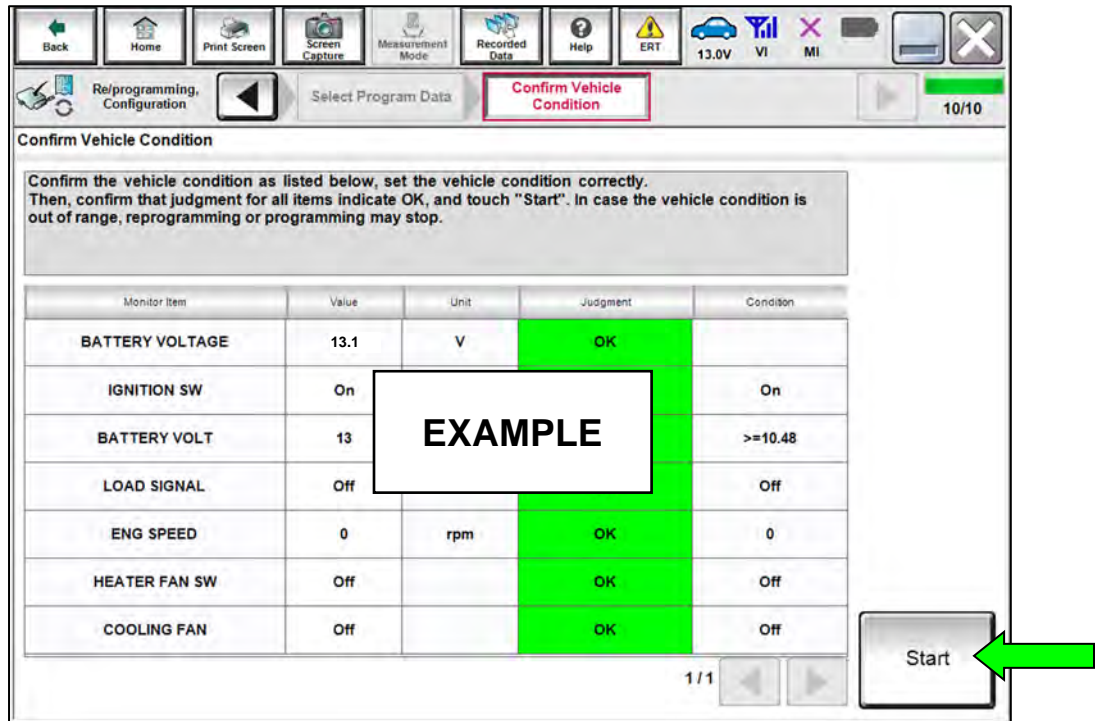


Figure 11

- Allow **Transfer Data** to complete.

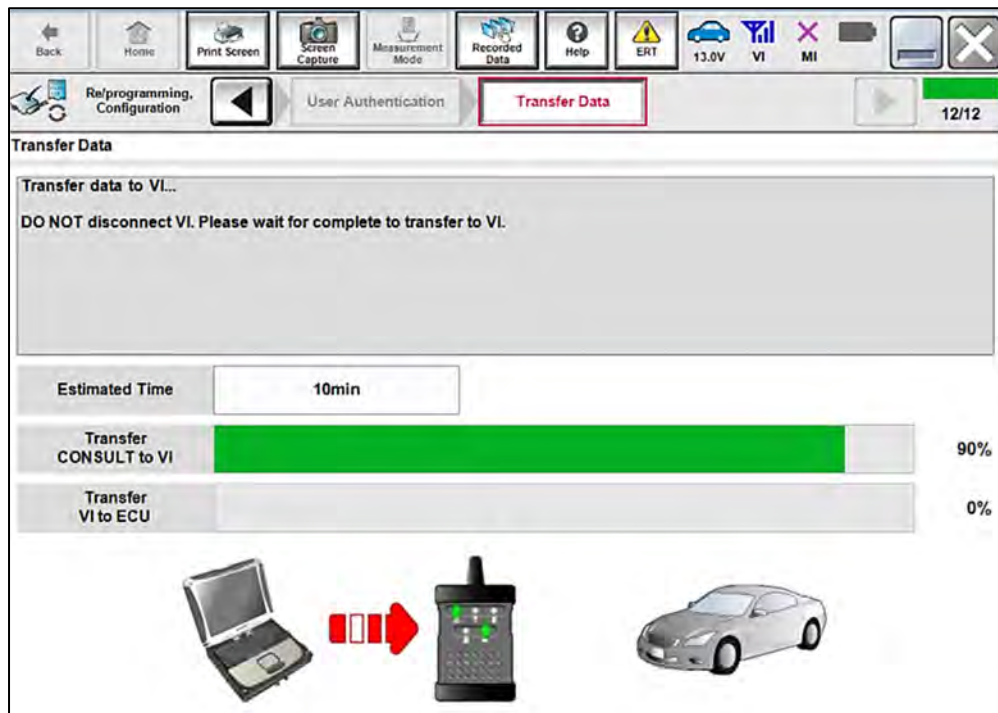


Figure 12

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

HINT:

- If the screen in Figure 13 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 13.

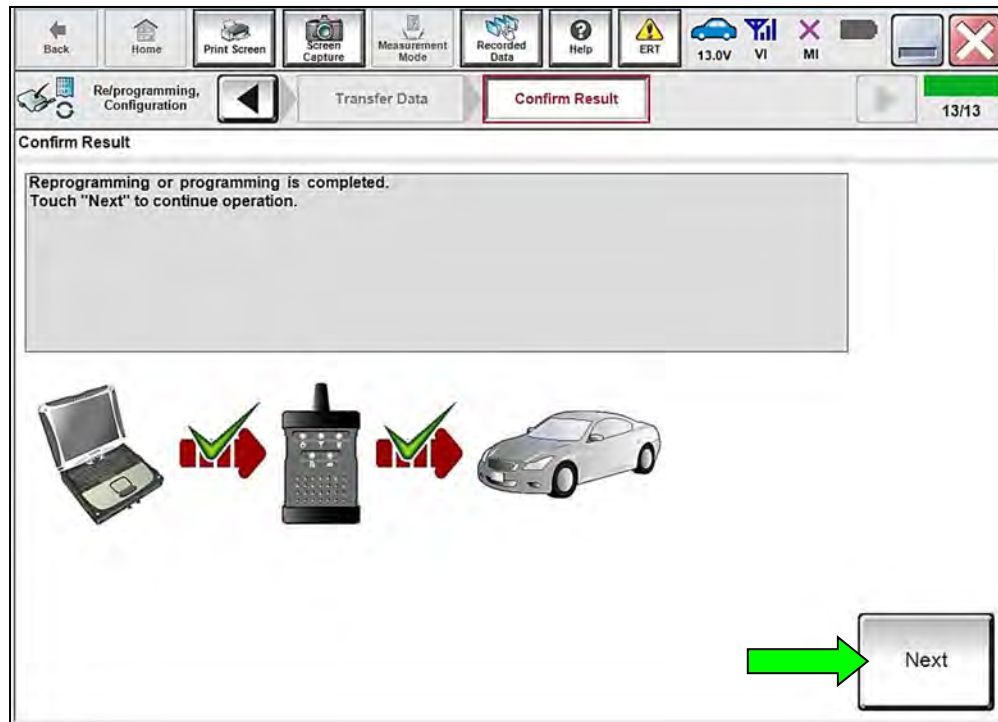


Figure 13

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 14:

- 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.

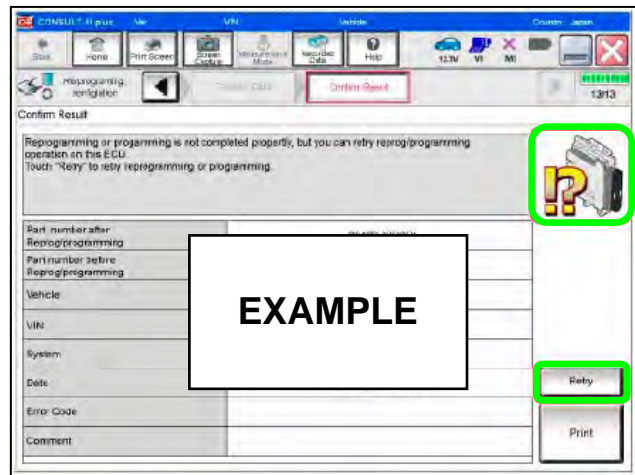


Figure 14

If reprogramming does not complete and the “X” icon displays, as shown in Figure 15:

- 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.

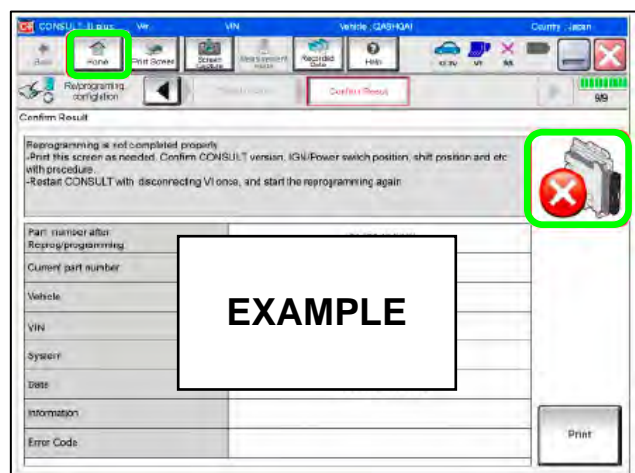


Figure 15

23. Perform **Erase All DTCs**.

a. Follow the on-screen instructions as shown in Figure 16 and Figure 17.

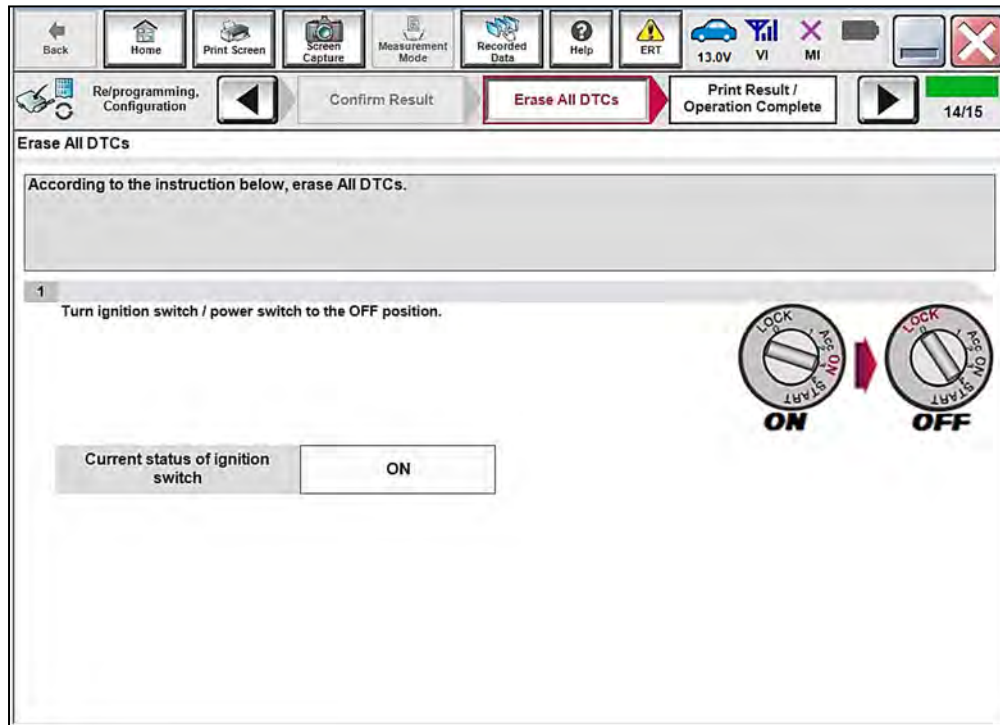


Figure 16

b. Select **Next**.

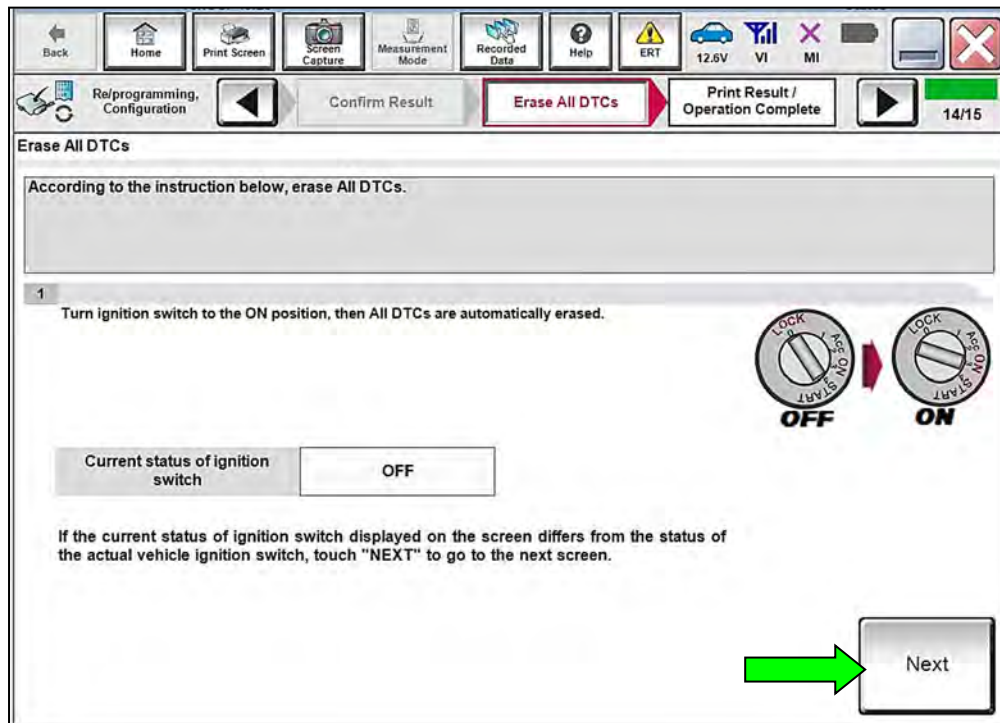


Figure 17

HINT: When the entire reprogramming process is complete, the screen in Figure 18 will display.

- Verify the **Part number after Reprog/programming** and **Part number before Reprog/programming** are different, select **Print** and attach the reprogramming results to the repair order, and then select **Confirm**.

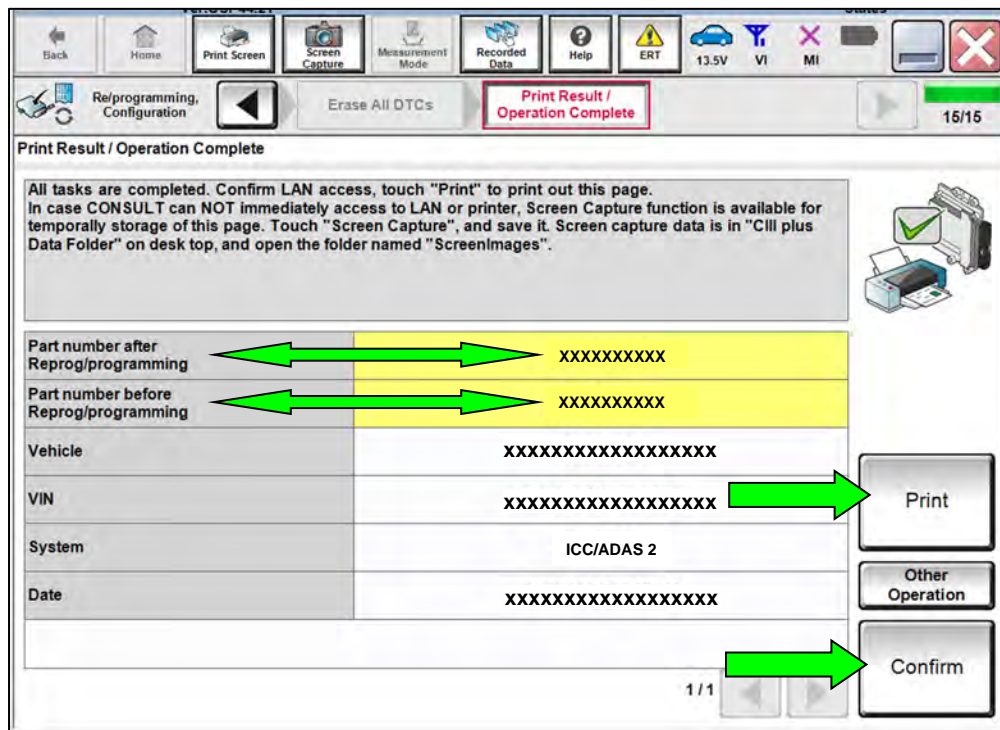


Figure 18

- Select **Home** (screen not shown).
- Select **Re/programming, Configuration**.

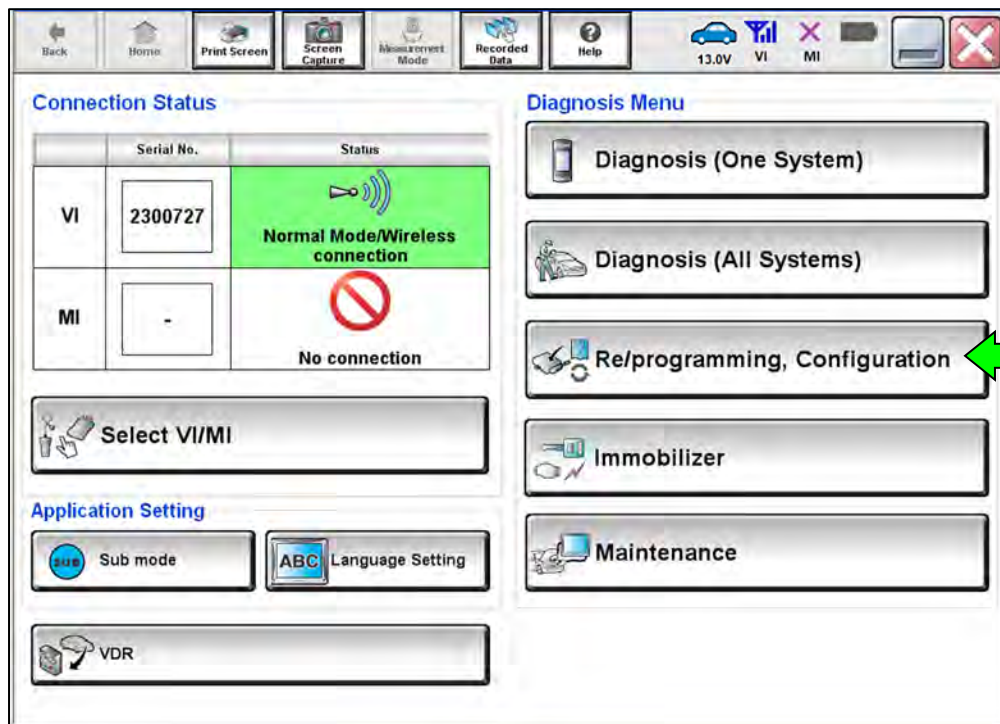


Figure 19

27. 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.

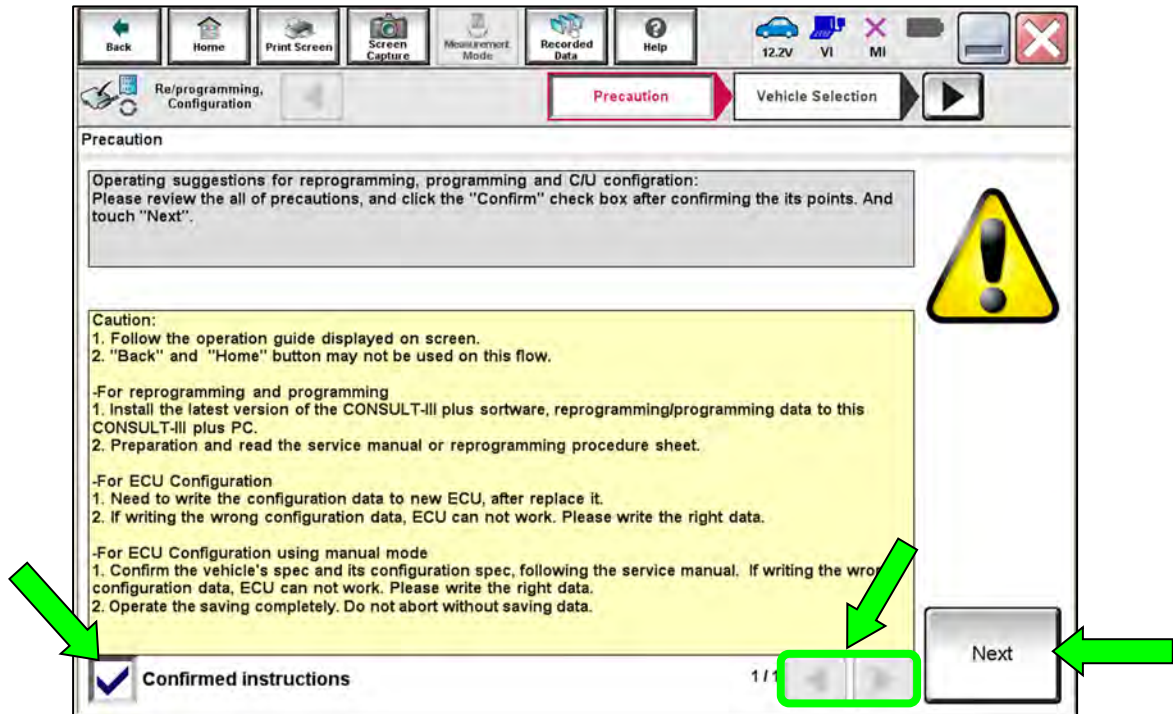


Figure 20

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

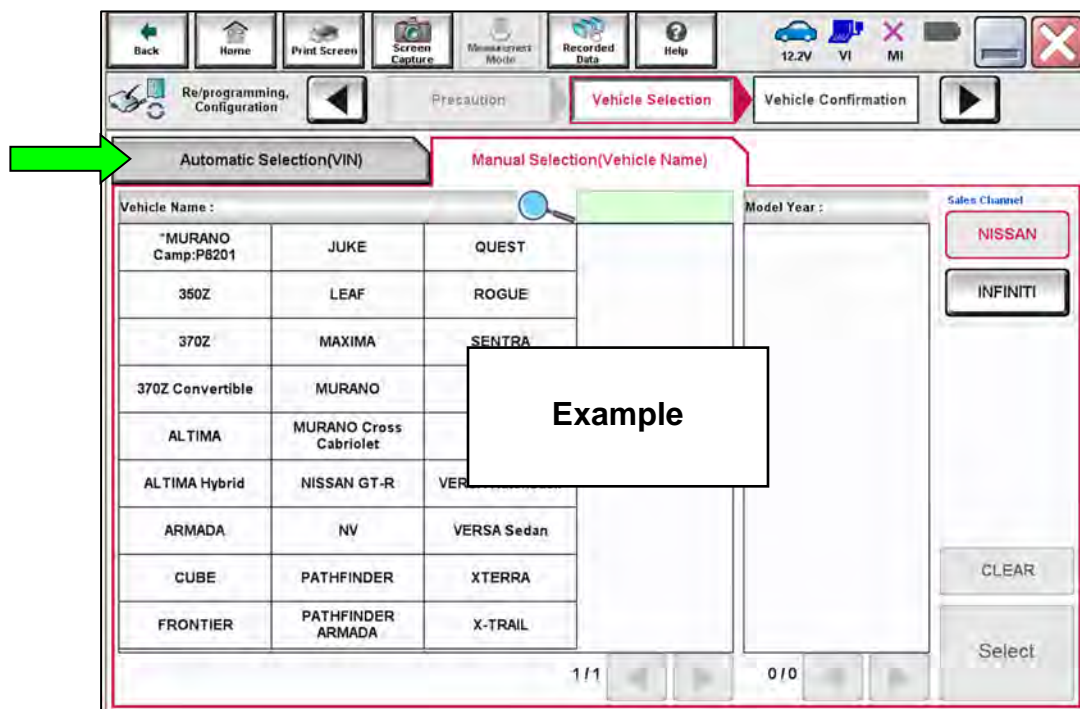


Figure 21

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

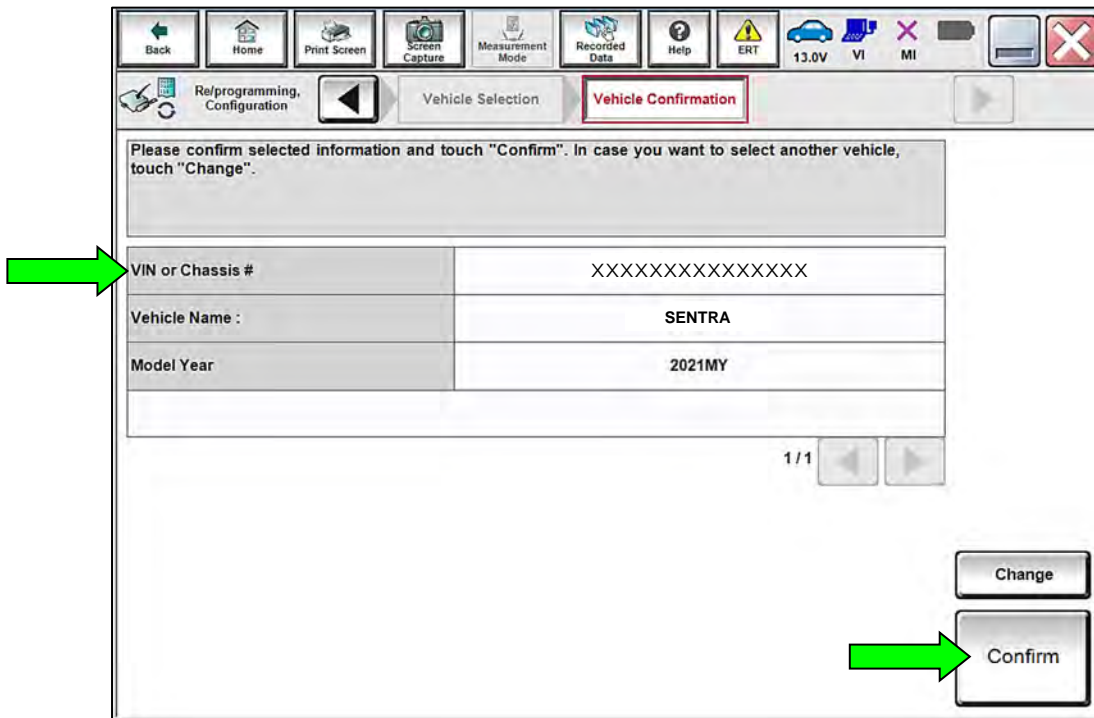


Figure 22

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

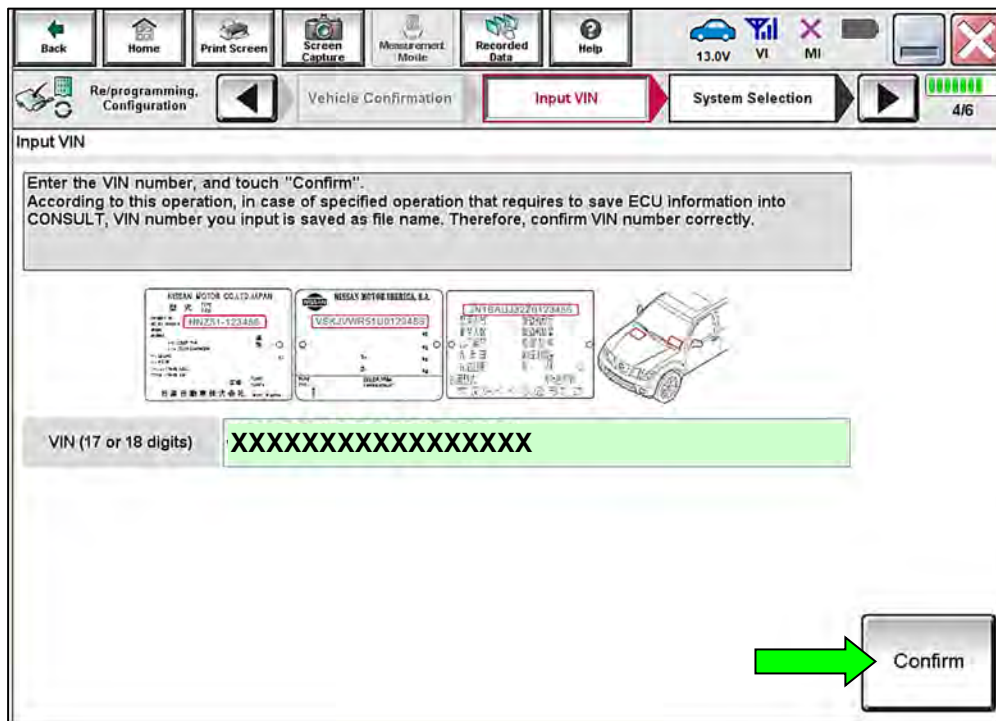


Figure 23

31. Select **ICC/ADAS 2**.

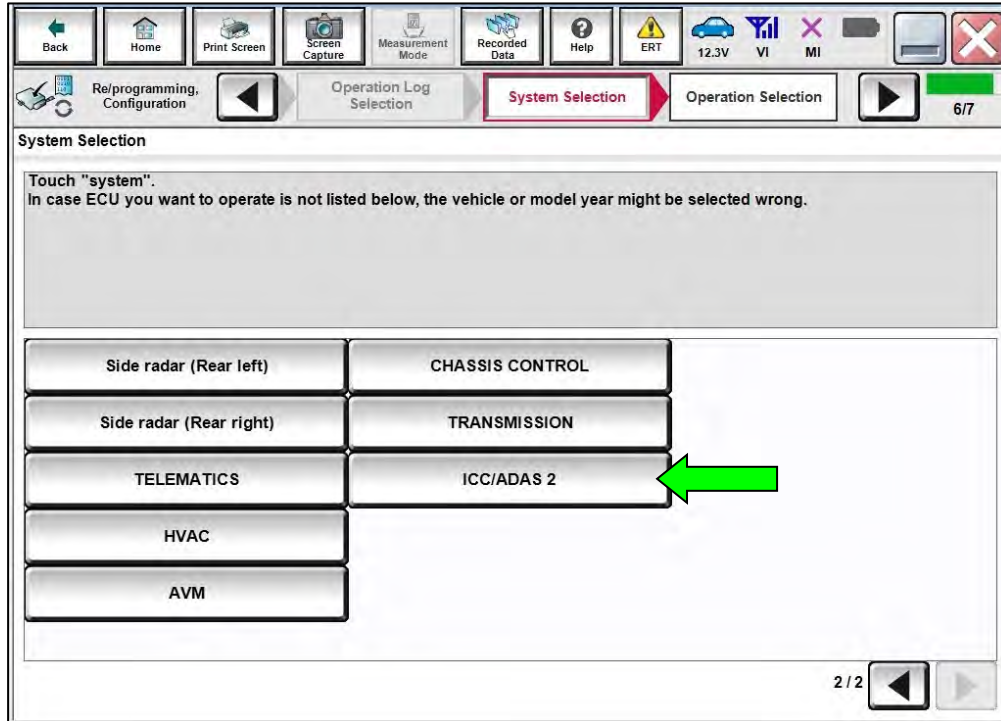


Figure 24

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

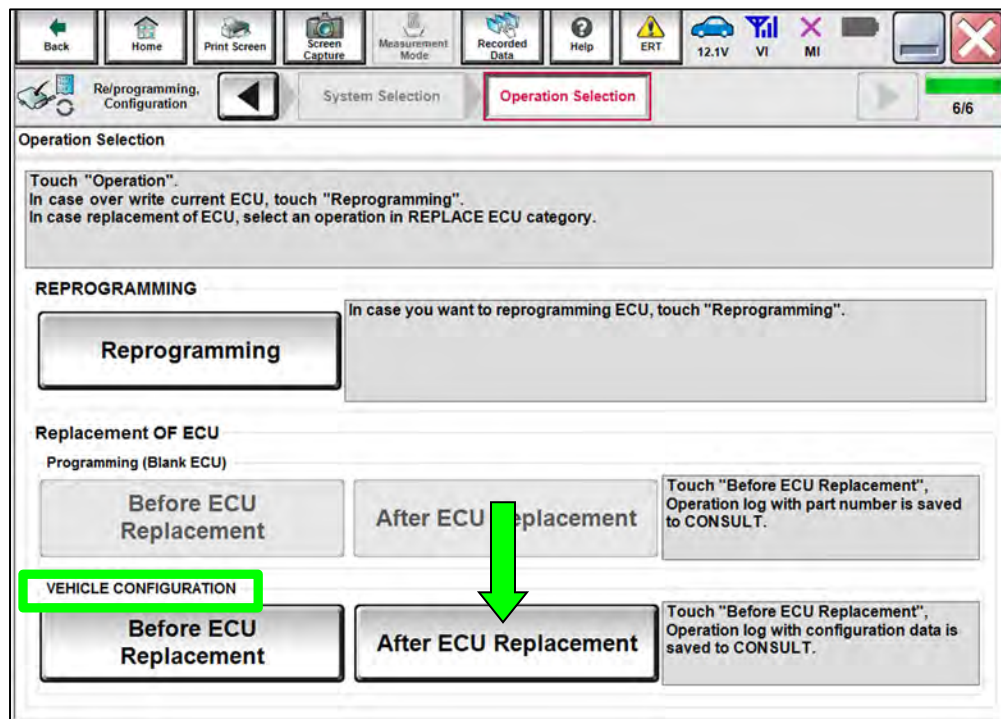


Figure 25

33. Select **Manual selection**.

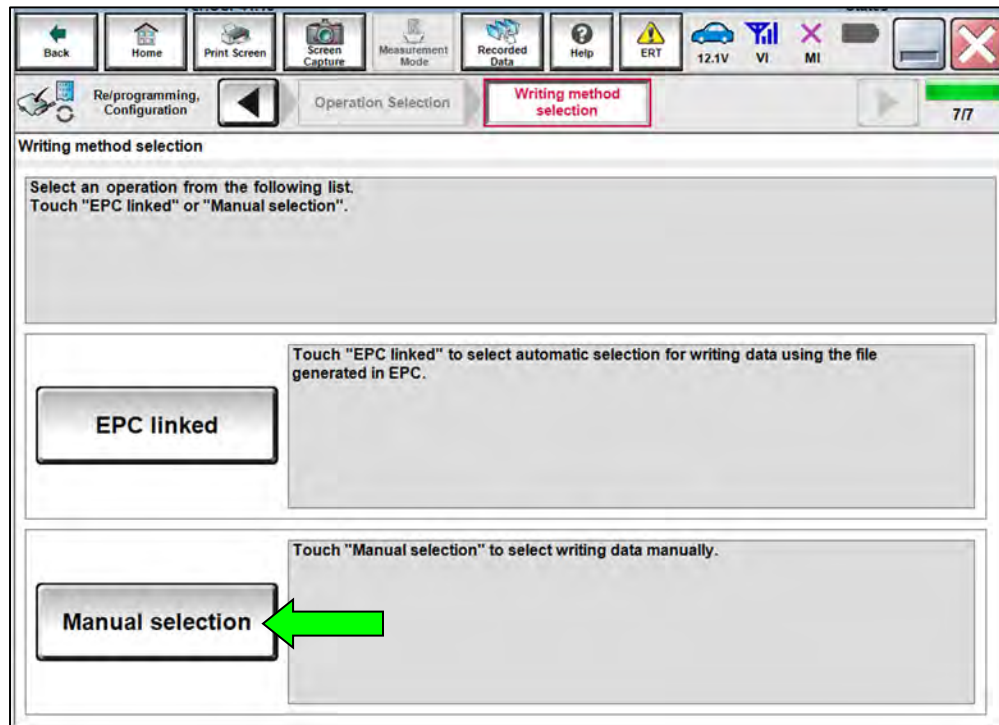


Figure 26

34. Select the applicable **Type ID**, and then select **Next**.

For Sentra: Refer to the EPC to determine the current **Type ID** for your VIN.

For Altima:

- a. Refer to the EPC to determine the **OLD CONFIG PART NUMBER (Type ID)** for your VIN.
- b. Using both the **OLD CONFIG PART NUMBER (Type ID)** and the updated **ICC/ADAS 2 PART NUMBER** from step 24 on page 14, reference **Table B** on page 20 to determine and select the **NEW CONFIG PART NUMBER (Type ID)**.

For Frontier:

- a. Refer to the EPC to determine the **OLD CONFIG PART NUMBER (Type ID)** for your VIN.
- b. Using both the **OLD CONFIG PART NUMBER (Type ID)** and the updated **ICC/ADAS 2 PART NUMBER** from step 24 on page 14, reference **Table C** on page 20 to determine and select the **NEW CONFIG PART NUMBER (Type ID)**.

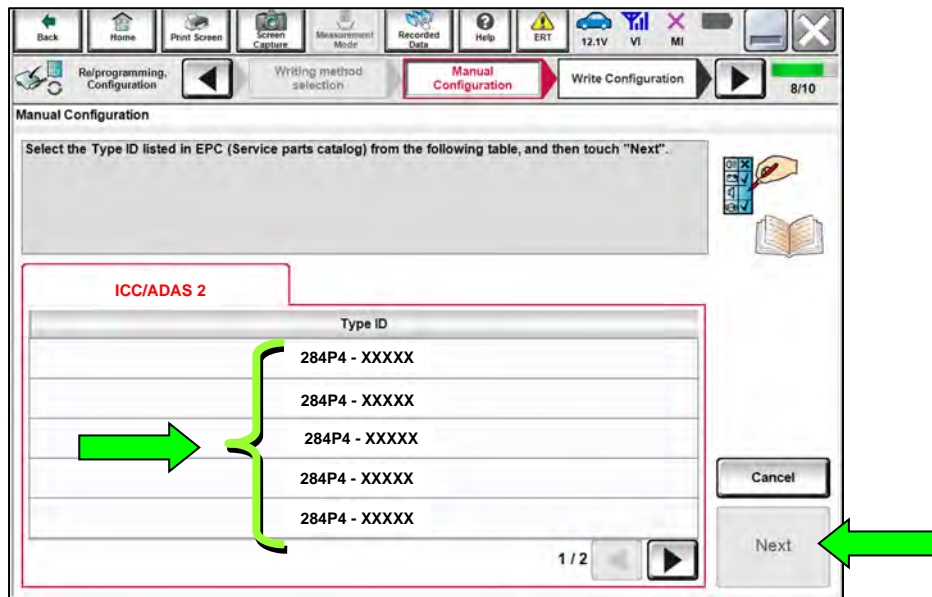


Figure 27

Table B

PART NAME	ICC/ADAS 2 PART NUMBER	CONFIG PART NUMBER (Type ID)	
		OLD	NEW
ROM DATA – ADAS	284P1-9HB0D	284P4-9HB5B	284P4-9HB0A
	284P1-9HB0D	284P4-9HB4A	284P4-9HB0B
		284P4-9HB4B	284P4-9HB0C
		284P4-9HB4C	284P4-9HB0D
		284P4-9HB4D	284P4-9HB0E
	284P1-9HB0B	284P4-9HB5A	
	284E7-9HB0D	284E9-9HB7B	284E9-9HB0D
		284E9-9HB7C	284E9-9HB0E
		284E9-9HB7D	284E9-9HB2A
		284E9-9HB7E	284E9-9HB2B
		284E1-6CA0A	

Table C

PART NAME	ICC/ADAS 2 PART NUMBER	CONFIG PART NUMBER (Type ID)	
		OLD	NEW
ROM DATA – WARNING SPEAKER	284P1-9BU4B	284P4-9BU0A	284P4-9BW2A
		284P4-9BU0B	284P4-9BW2B
		284P4-9BU3D	284P4-9BW2C
		284P4-9BU3E	284P4-9BW2D
	284P1-9BU3C	284P4-9BU1A	284P4-9BW2E
		284P4-9BU1B	284P4-9BW3A
		284P4-9BU2D	284P4-9BW3B
		284P4-9BU2E	284P4-9BW3C
	284P1-9BU4E	284P4-9BU3B	284P4-9BW3D
		284P4-9BU3A	284P4-9BW3E
		284P4-9BU2C	284P4-9BW4A
		284P4-9BU3C	284P4-9BW4B
	284P1-9BU3A	284P4-9BU2A	284P4-9BW4C
	284P1-9BU4D	284P4-9BU2B	284P4-9BW4D

35. Select **OK**.

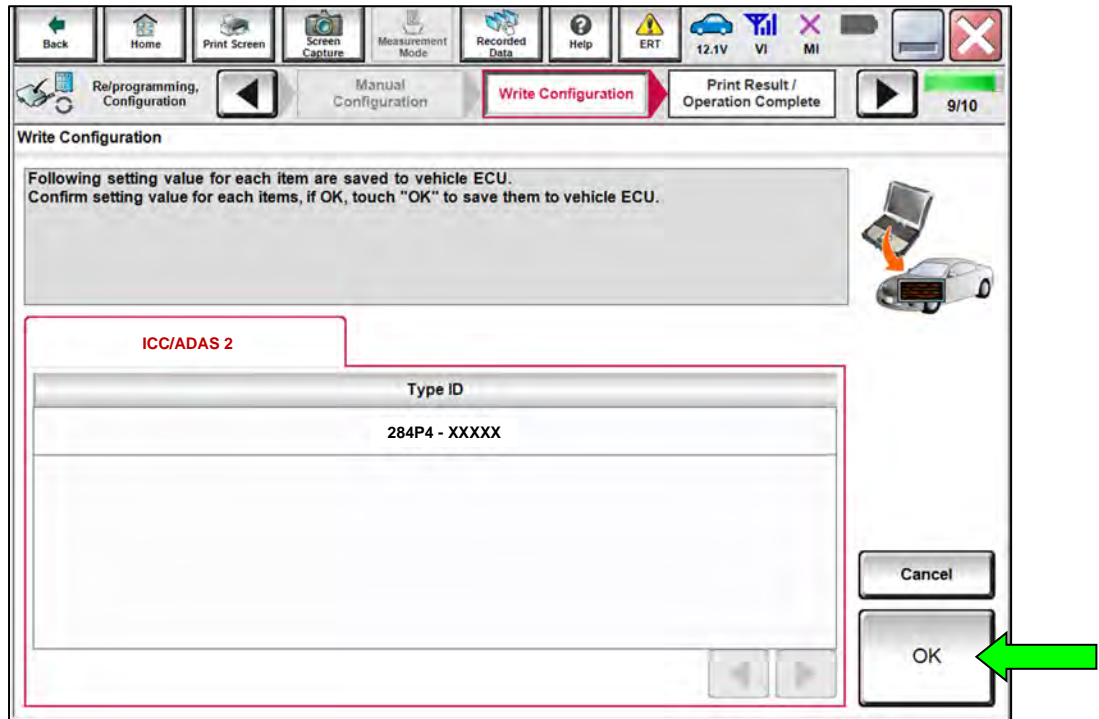


Figure 28

36. Select **End**.

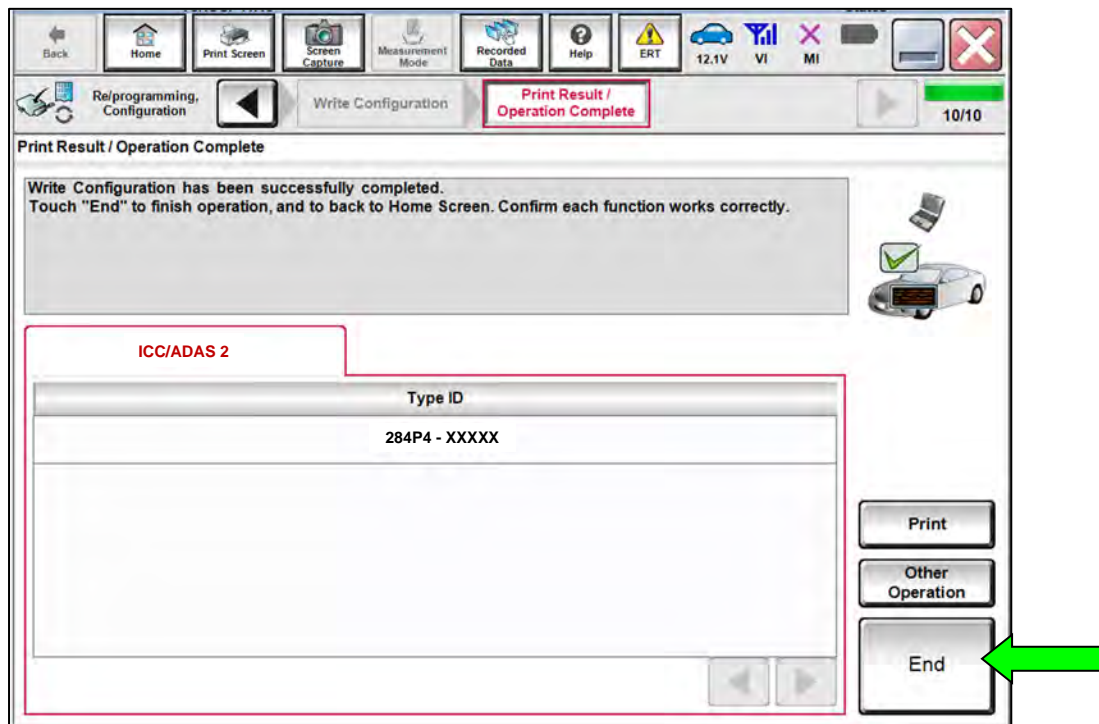


Figure 29

37. Select **Home** (screen not shown).
38. Select **Diagnosis (All Systems)**.

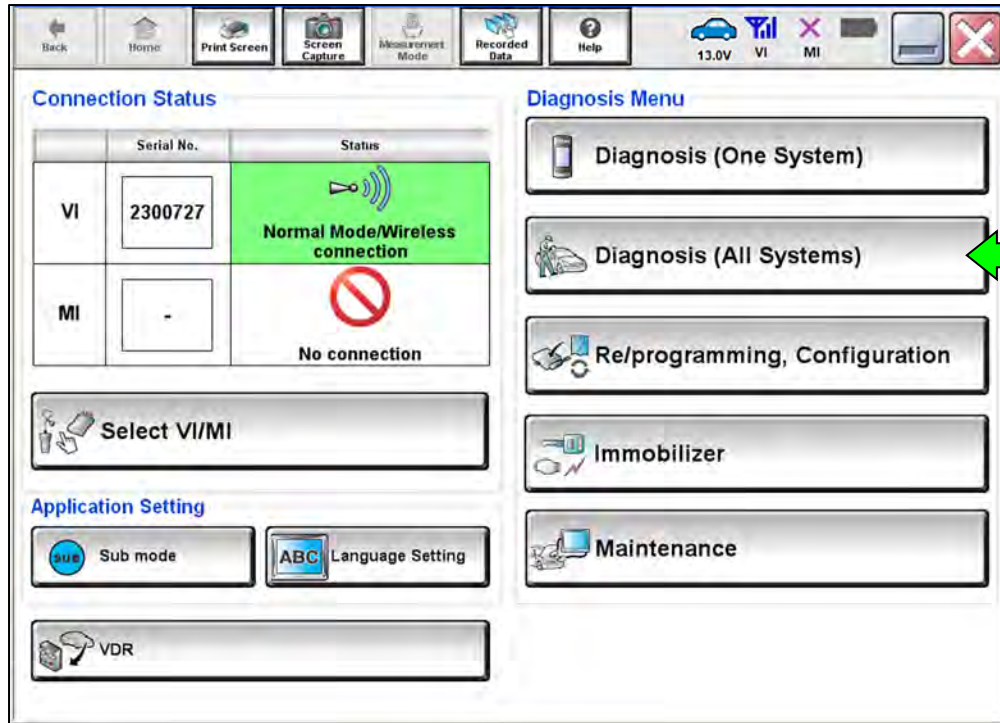


Figure 30

39. Select **ERASE**.

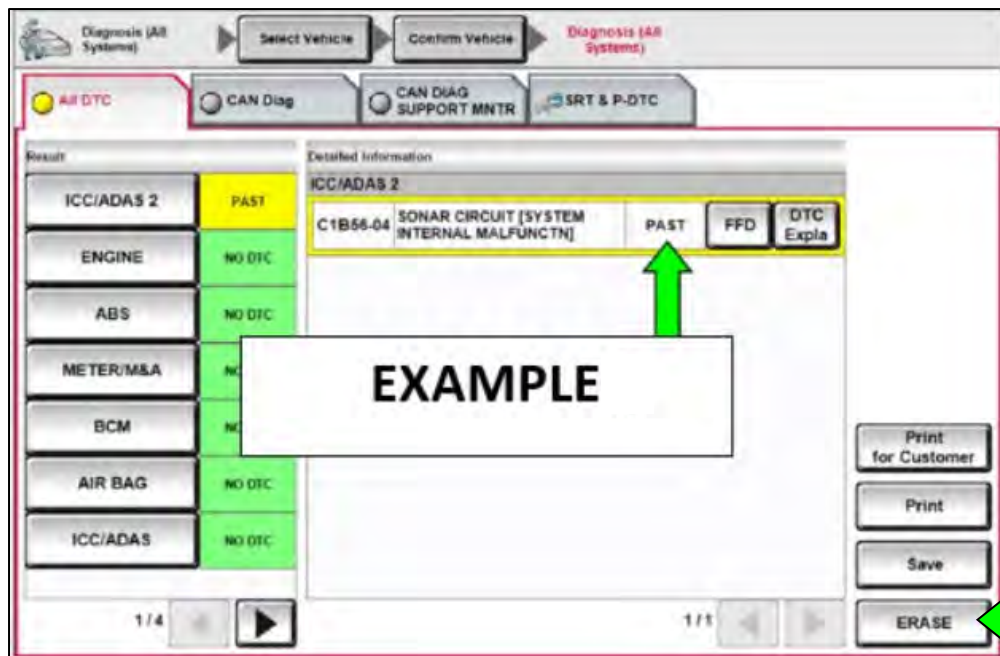


Figure 31

CLAIMS INFORMATION

Altima (L34)

Without ProPilot

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

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
Perform Software Check ICC/ADAS2	(1)	RXE1AA	ZE	32	0.4
Perform Software Check and Reprogram		RXD9AA			0.8

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

OR

With ProPilot

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
Perform Software Check ICC/ADAS2	(1)	RXD8AA	ZE	32	0.4
Perform Software Check and Reprogram		RXD7AA			0.8

(1) Refer to the electronic parts catalog and use the ADAS Control Unit (284E7-*****) part number as the Primary Failed Part (PFP).

Frontier (D41)

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
Perform Software Check ICC/ADAS2	(1)	RXE4AA	ZE	32	0.3
Perform Software Check and Reprogram		RXE5AA			0.7

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

Sentra (B18)

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
Perform Software Check ICC/ADAS2	(1)	RX0NAA	ZE	32	0.4
Perform Software Check and Reprogram		RX0PAA			0.8

(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
December 17, 2021	NTB21-115	Original bulletin published
May 10, 2024	NTB21-115A	APPLIED DATES added, login steps moved to page 2, and battery voltage range updated on pages 2, 10, and 13
July 11, 2024	NTB21-115B	APPLIED VEHICLES updated, Table A updated, Step 34 updated, Table B and Table C added, CLAIMS INFORMATION updated

