



TECHNICAL SERVICE BULLETIN

Classification: EM22-002B	Reference: ITB22-025B	Date: November 2, 2023
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ROARING NOISE FROM THE ENGINE COOLING FAN ASSEMBLY AND THE A/C IS NOT COOLING

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

APPLIED VEHICLES: 2019-2022 QX50 (J55)
2022 QX55 (FJ55)

APPLIED DATES: 2019-2021 QX50 – All
2022 QX50 – Built on or before February 15, 2022
2022 QX55 – Built on or before February 15, 2022

IF YOU CONFIRM

A roaring noise from the engine cooling fan assembly (engine fan on high not cycling) is present, and the air conditioning (A/C) is not cooling.

ACTION

1. Check the Denso part number on the engine cooling fan assembly.
2. Replace the engine cooling fan assembly and IPDM E/R, if applicable.

HINT: The IPDM E/R will need to be configured if replaced.

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.

Infiniti 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

1. Inspect the Denso part number on the label of the engine cooling fan assembly that is currently in the vehicle (Figure 1).
 - If the current Denso part number is in **Table A**, this bulletin does not apply. Refer to the ESM for further diagnostic information.
 - If the current Denso part number is not in **Table A**, proceed to step 2.
2. After ordering the new engine cooling fan assembly, confirm that the Denso part number on the new part is in **Table A** before installing (Figure 1).
 - If the new Denso part number is in **Table A**, proceed to step 3 on page 3.
 - If the new Denso part number is not in **Table A**, reorder another new engine cooling fan assembly and confirm that the Denso part number is in **Table A** before proceeding to step 3 on page 3.

Table A

New Denso Part Numbers
AA222750-0753
AA222750-0763
AA222750-0773

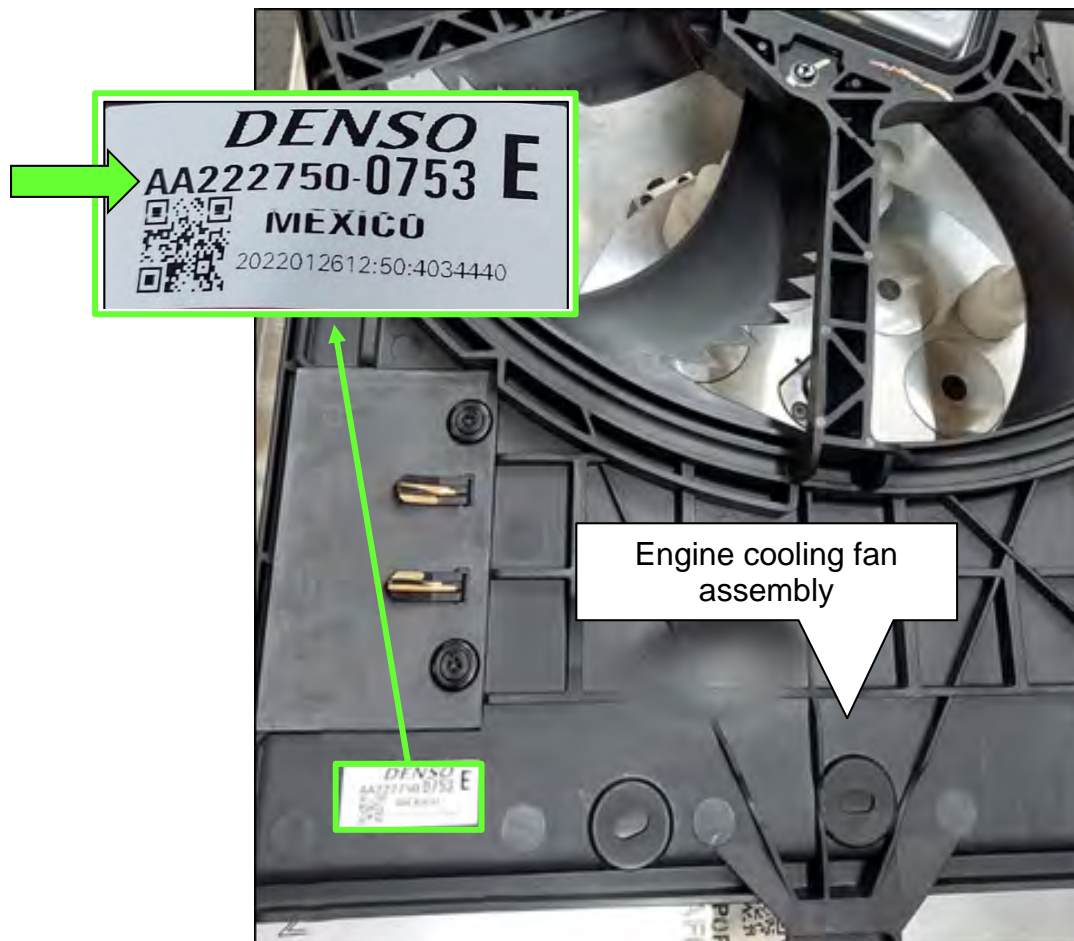


Figure 1

3. Replace the engine cooling fan assembly.
 - Refer to the ESM: **ENGINE > ENGINE COOLING SYSTEM > KR20DDET > REMOVAL AND INSTALLATION > COOLING FAN**
4. Replace the IPDM E/R with one listed in the **PARTS INFORMATION**.
 - Refer to the ESM: **ELECTRICAL & POWER CONTROL > POWER CONTROL SYSTEM > IPDM E/R > REMOVAL AND INSTALLATION > IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)**

IPDM E/R Configuration

IMPORTANT: Before starting, make sure:

- ASIST on the **CONSULT PC** has been synchronized (updated) to the current date.
 - All CONSULT-III software updates (if any) have been installed.
5. Confirm that the CONSULT PC is connected to Wi-Fi.
 6. Connect the Vehicle Interface (VI) to the vehicle.
 7. Turn the ignition ON with the engine OFF.
 8. Start CONSULT-III on the CONSULT PC.
 - The serial number will display when the VI is recognized (Figure 2 on page 4).
 9. If prompted, select **USA/CANADA Dealers** from the drop down menu, and then select **OK**.
 10. Log in 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.

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

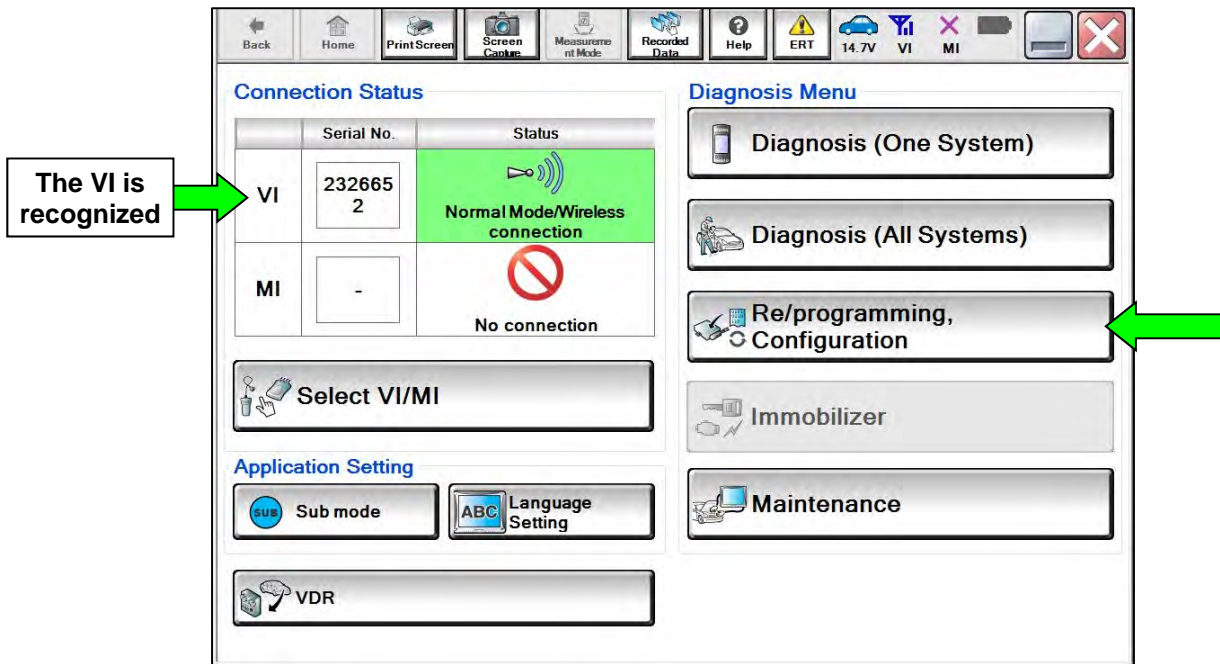


Figure 2

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

13. Check the box confirming the precautions have been read, and then select **Next**.

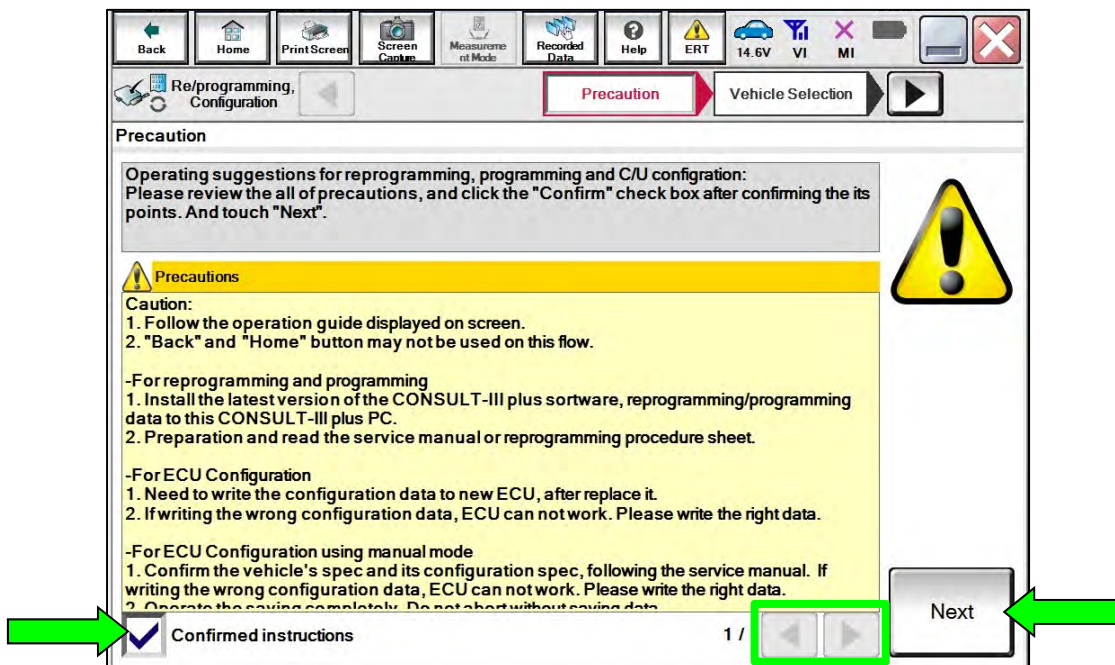


Figure 3

14. Select Automatic Selection(VIN).

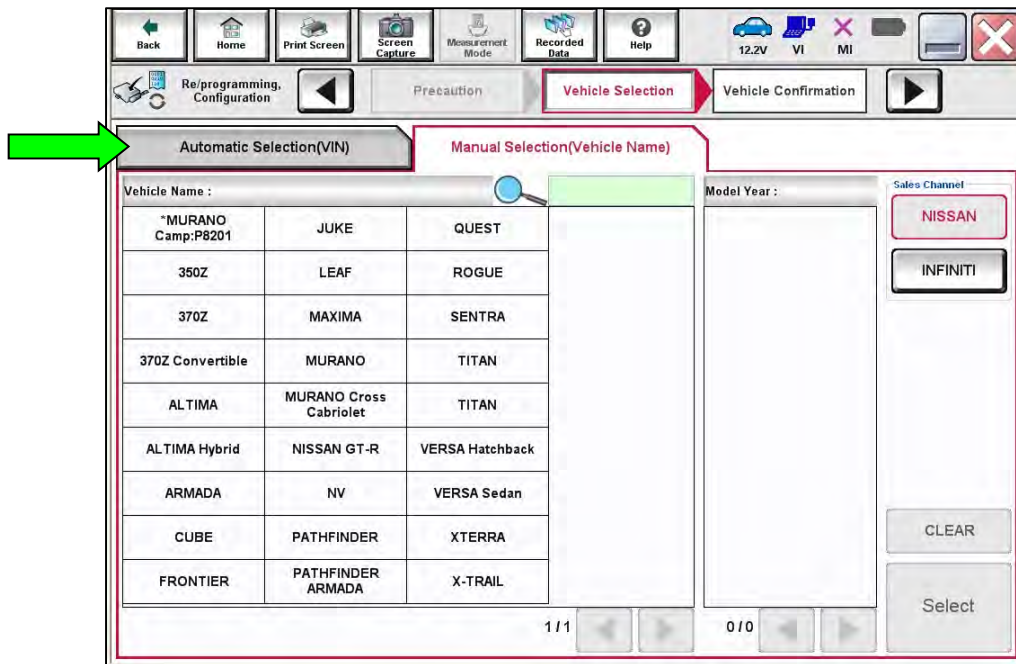


Figure 4

15. Allow the CONSULT to perform automatic VIN selection.

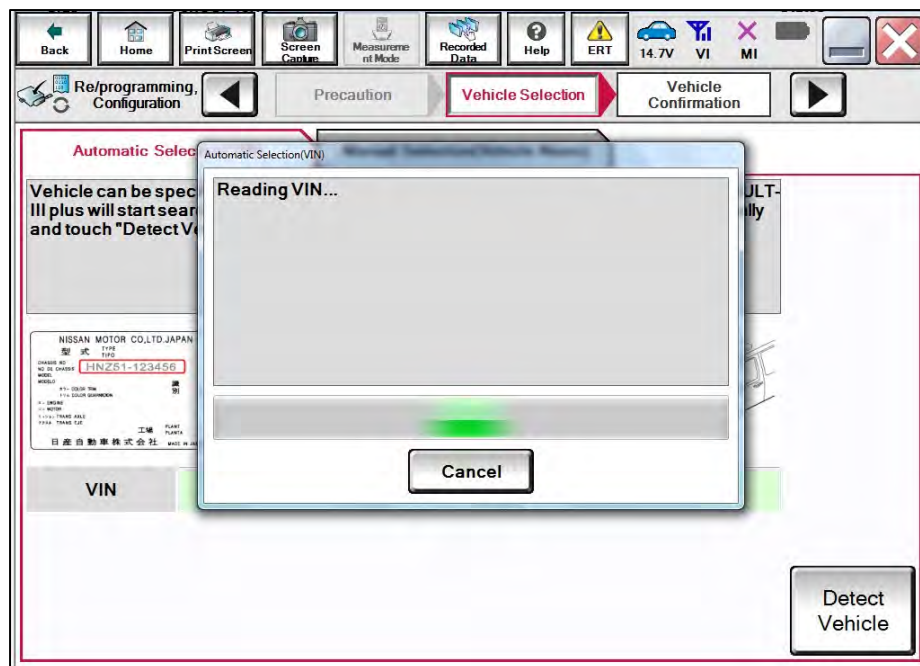


Figure 5

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

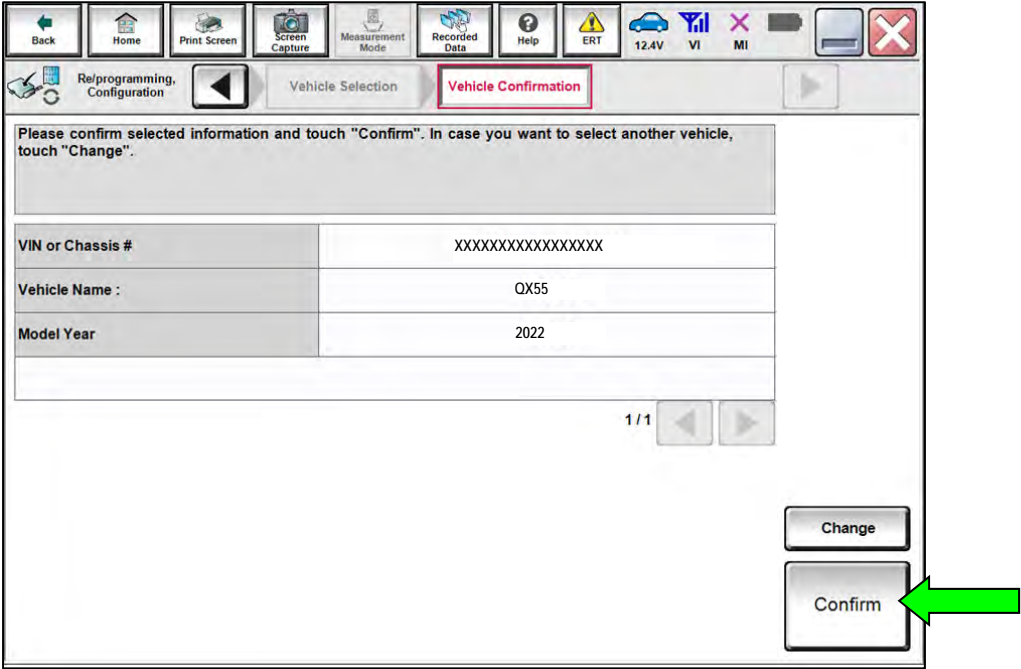


Figure 6

17. Allow the **System call** to complete.

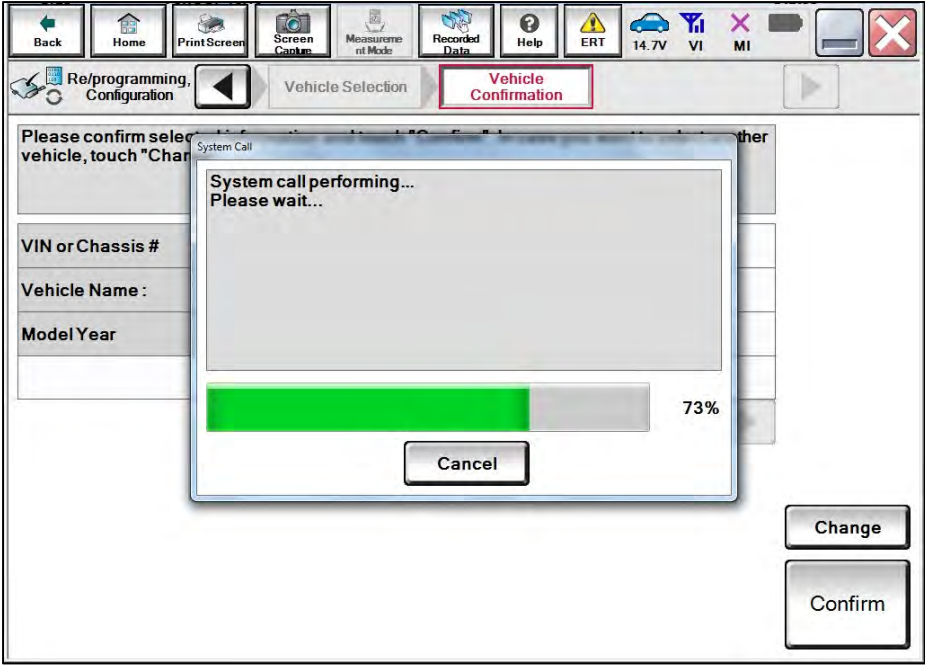


Figure 7

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

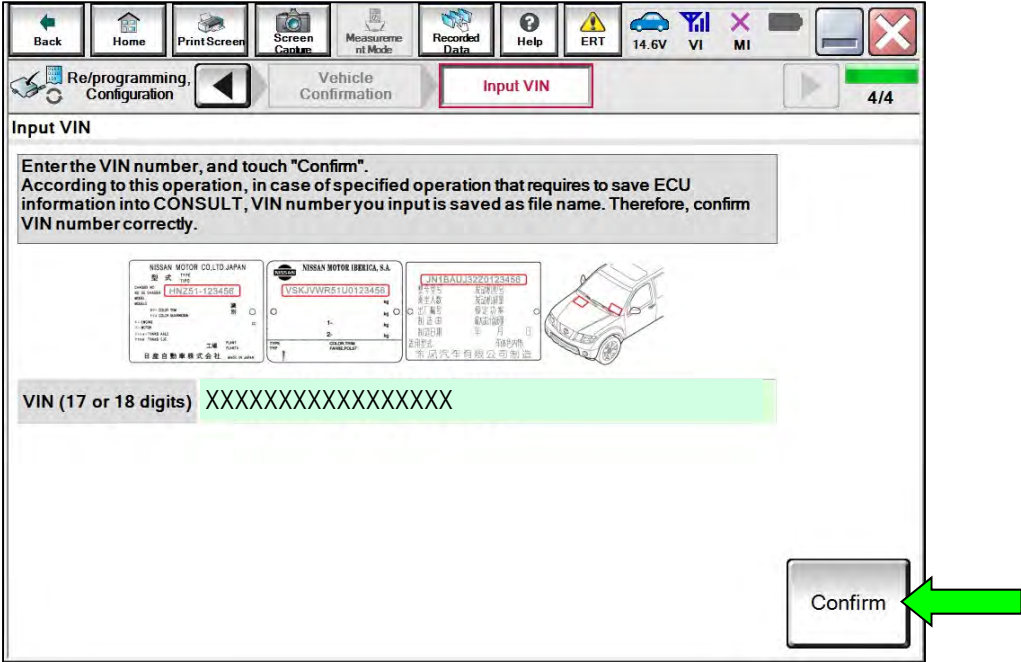


Figure 8

19. Select **IPDM E/R**.

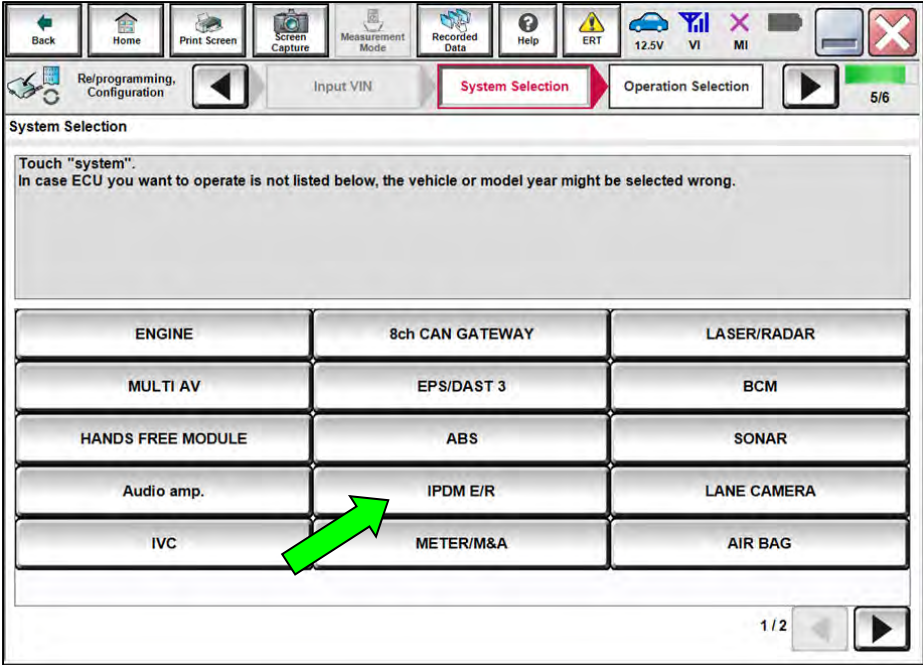


Figure 9

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

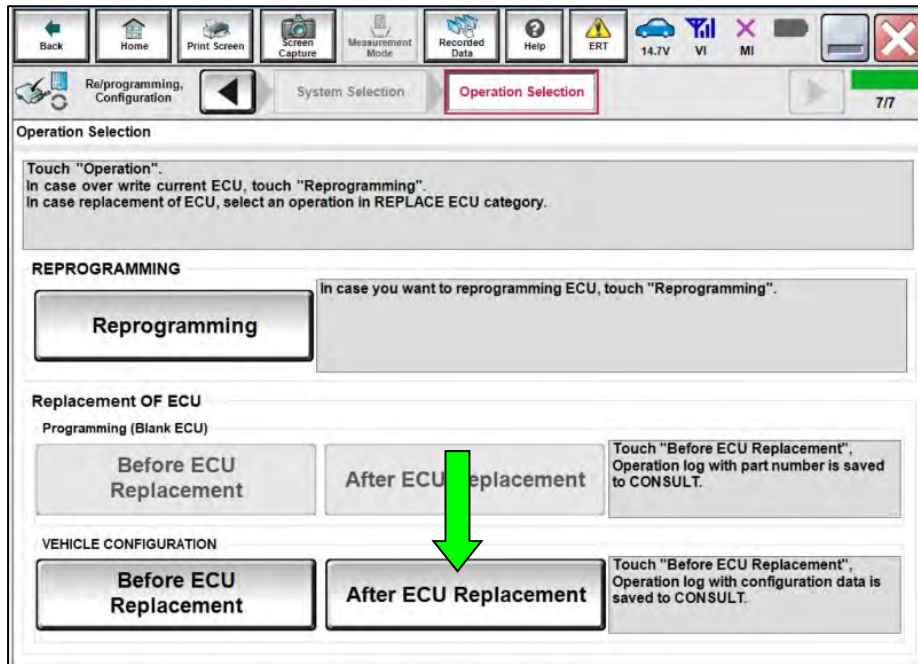


Figure 10

21. Select **Manual selection**.

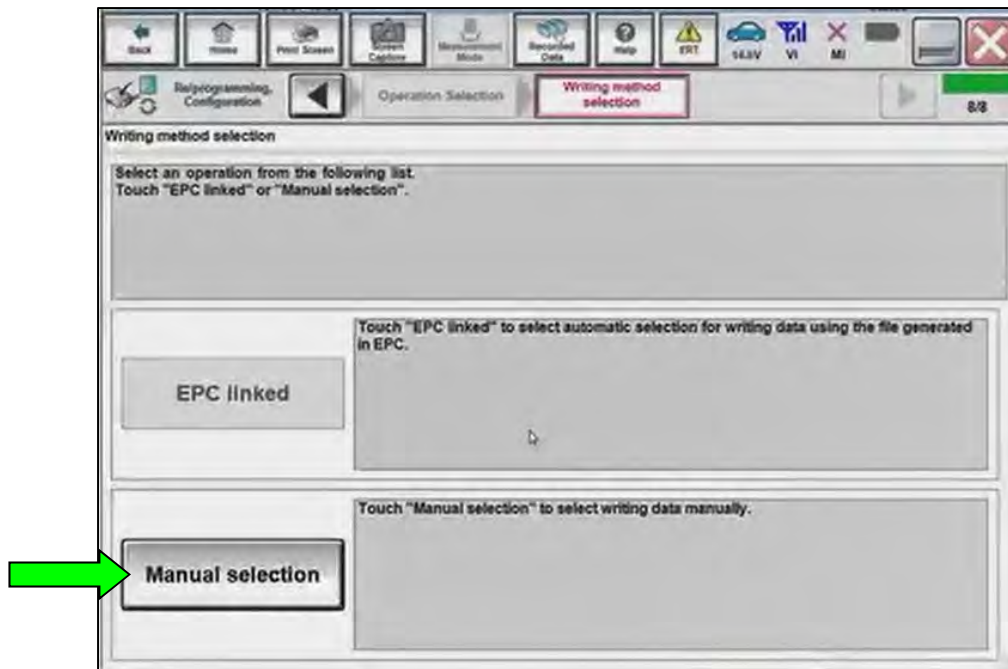


Figure 11

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

- QX55 – "284M1-5VG1A"
- QX50 – "284M1-9CM2A "

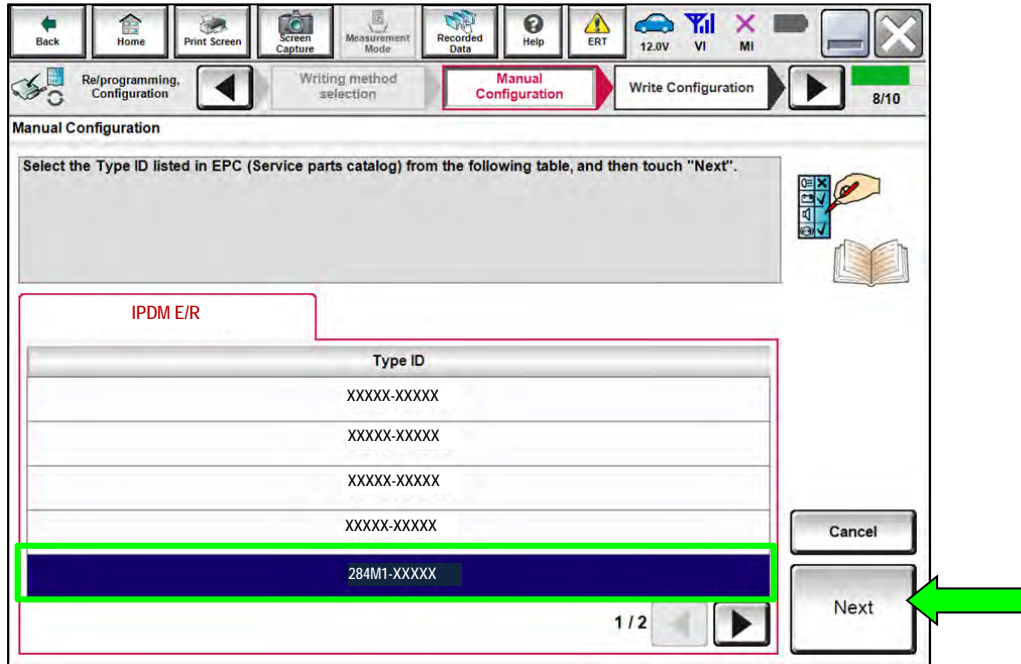


Figure 12

23. Verify the ignition is ON and the engine is OFF, and then select **OK** to write the configuration.

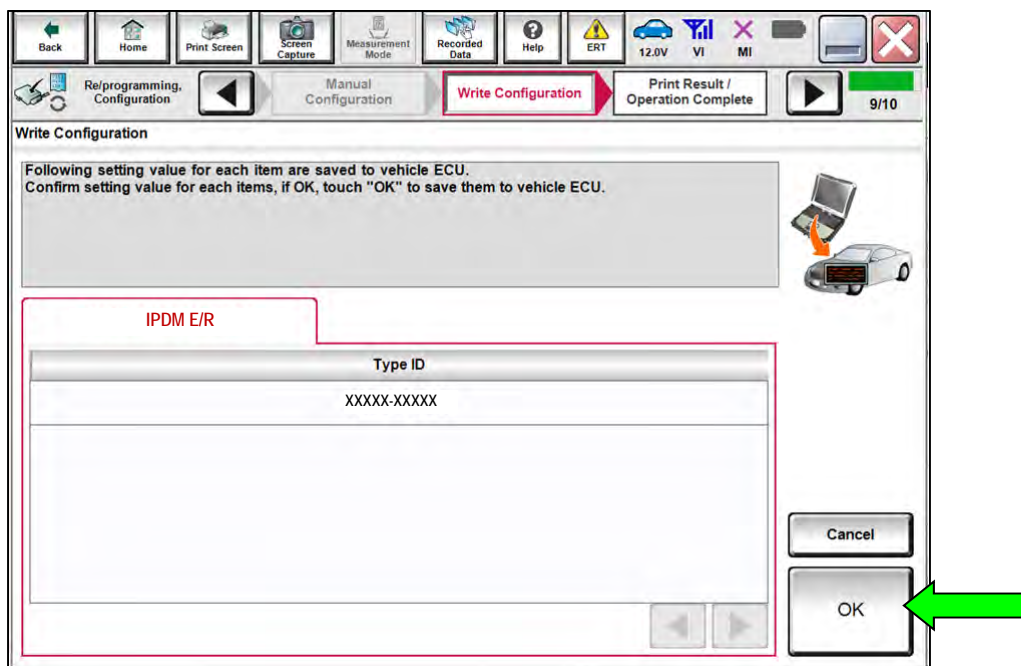


Figure 13

24. Allow the **Write Configuration** to complete.

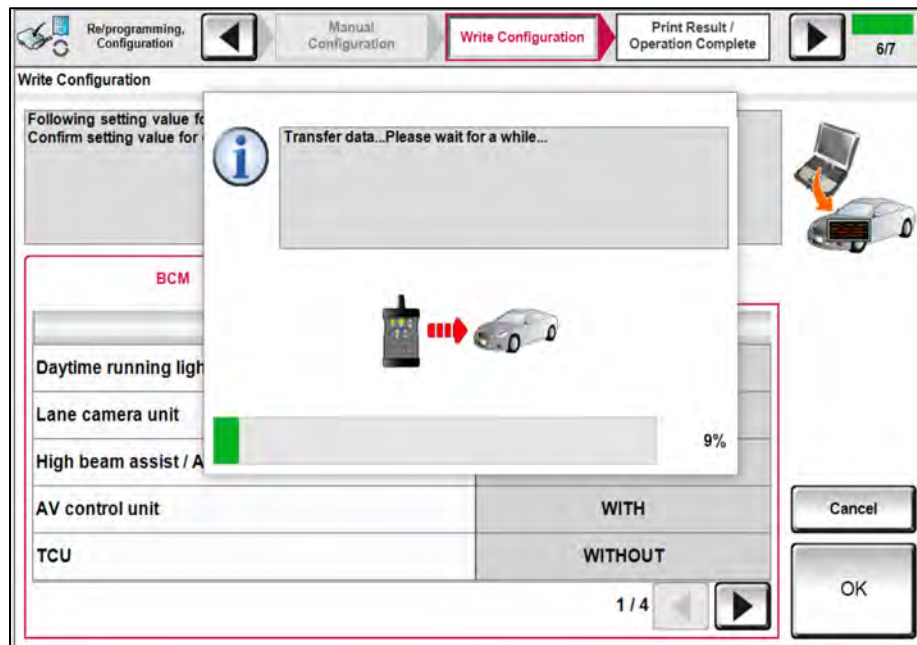


Figure 14

25. Confirm that the **Type ID** is now "284M1-9CM2A".

26. Select **End**.

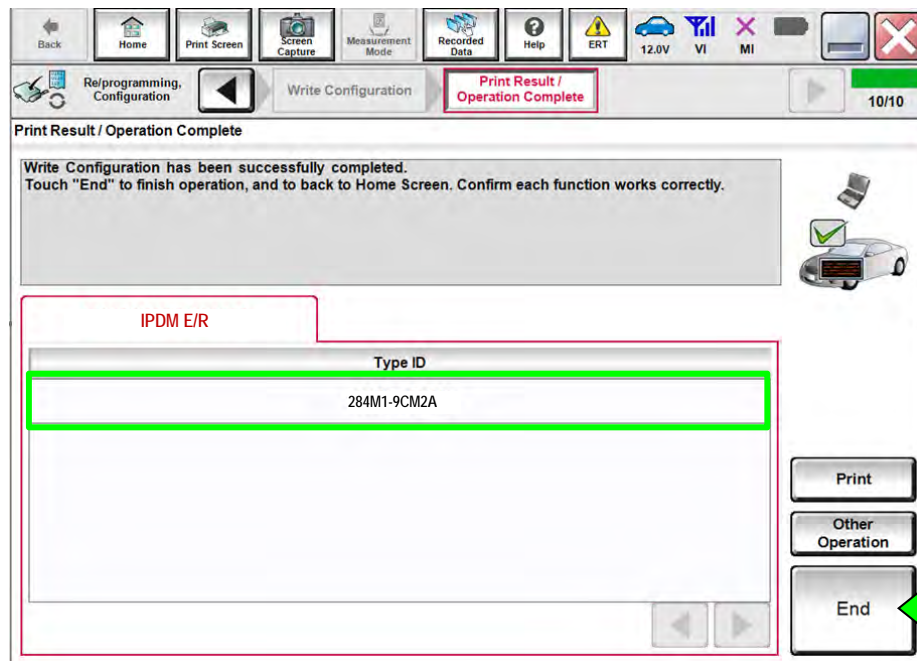


Figure 15

PARTS INFORMATION

DESCRIPTION	PART NUMBER	QUANTITY
Motor & Fan Assy – w/Shroud (Engine cooling fan assembly)	(1)	1 As needed
IPDM E/R	284B7-5NA0E	1 As needed

(1) Refer to the EPC and look up the part number by VIN.

CLAIMS INFORMATION

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

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
Replace the Engine Cooling Fan Assembly	(1)	CC20AA	ZL	32	(2)
Replace and Configure the IPDM E/R		RD21AA			

- (1) Reference the EPC and use the Motor & Fan Assy w/Shroud (21481-*****) as the Primary Failed Part (PFP).
- (2) Reference the current Infiniti Warranty Flat Rate Manual and use the indicated Flat Rate Time (FRT).

AMENDMENT HISTORY

PUBLISHED DATE	REFERENCE	DESCRIPTION
June 10, 2022	ITB22-025	Original bulletin published
September 15, 2022	ITB22-025A	Configuration steps added
November 2, 2023	ITB22-025B	APPLIED VEHICLES and APPLIED DATES revised, login steps moved to page 3, and “NOTE” references changed to “HINT”