

TECHNICAL SERVICE BULLETIN

Classification:	Reference:	Date:
EM22-002D	ITB22-025D	August 26, 2026

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: 2019-2024 QX50 (J55)
2022-2024 QX55 (FJ55)
APPLIED DATES: Built on or before September 15, 2023

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 hardware part number for the IPDM E/R.
2. Replace the IPDM E/R with the part number listed in the **PARTS INFORMATION**, if applicable.
3. Reconfigure the IPDM E/R, 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.

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. Remove the IPDM E/R and check the hardware part number.
 - 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) > Removal and Installation**
2. Does the IPDM E/R hardware part number match the part number listed in the **PARTS INFORMATION**?

YES: Re-install the IPDM E/R and continue to step 3.

NO: Replace the IPDM E/R with the part number listed in the **PARTS INFORMATION** and then continue to step 3.

- 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) > Removal and Installation**

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.
3. Confirm that the CONSULT PC is connected to Wi-Fi.
 4. Connect the Vehicle Interface (VI) to the vehicle.
 5. Turn the ignition ON with the engine OFF.
 6. Start CONSULT-III on the CONSULT PC.
 - The serial number will display when the VI is recognized (Figure 1 on page 3).
 7. If prompted, select **USA/CANADA Dealers** from the drop down menu, and then select **OK**.
 8. 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.

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

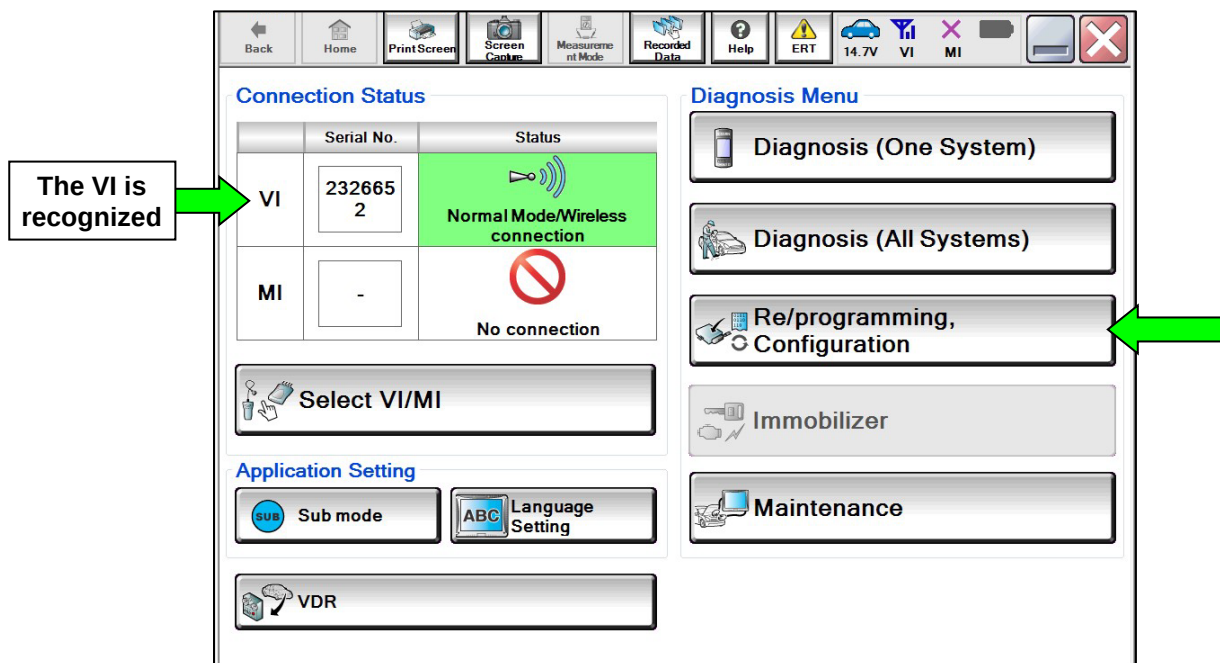


Figure 1

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

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

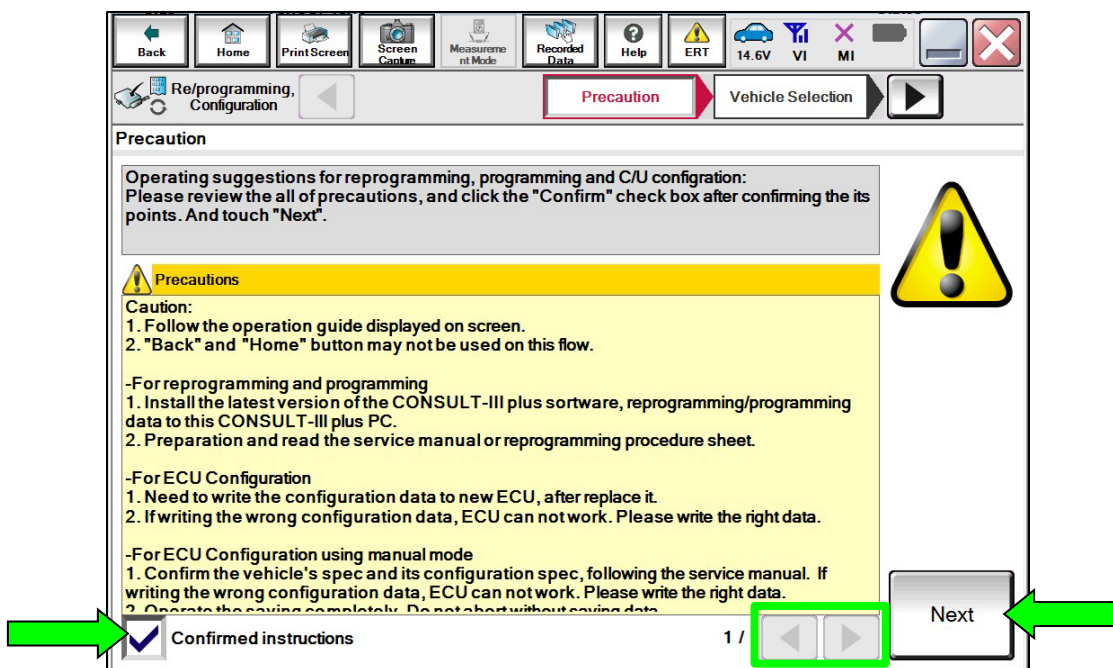


Figure 2

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

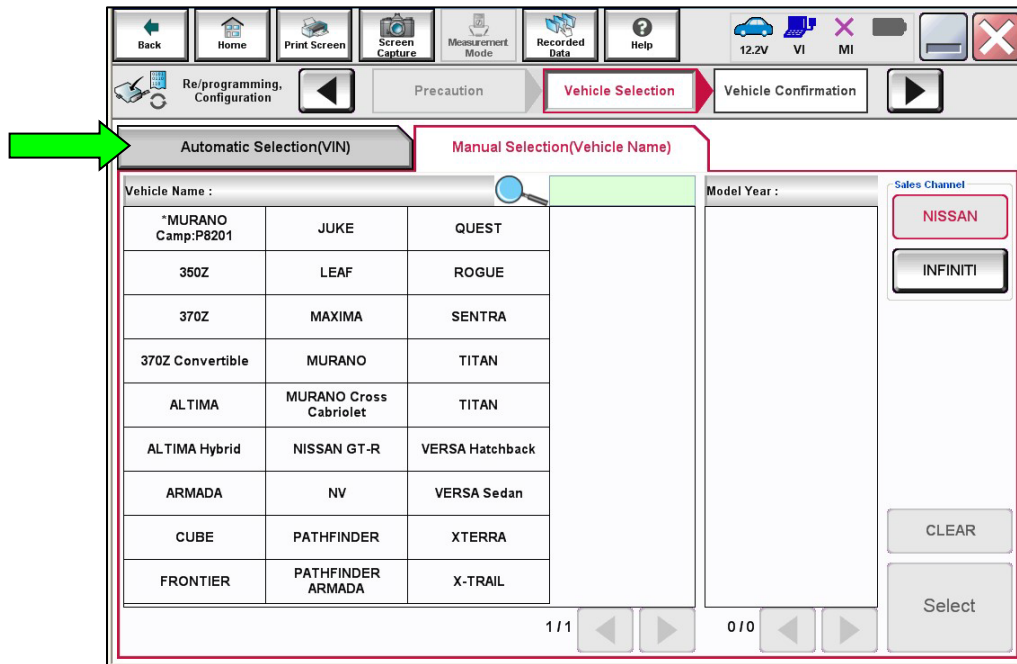


Figure 3

13. Allow the CONSULT to perform automatic VIN selection.

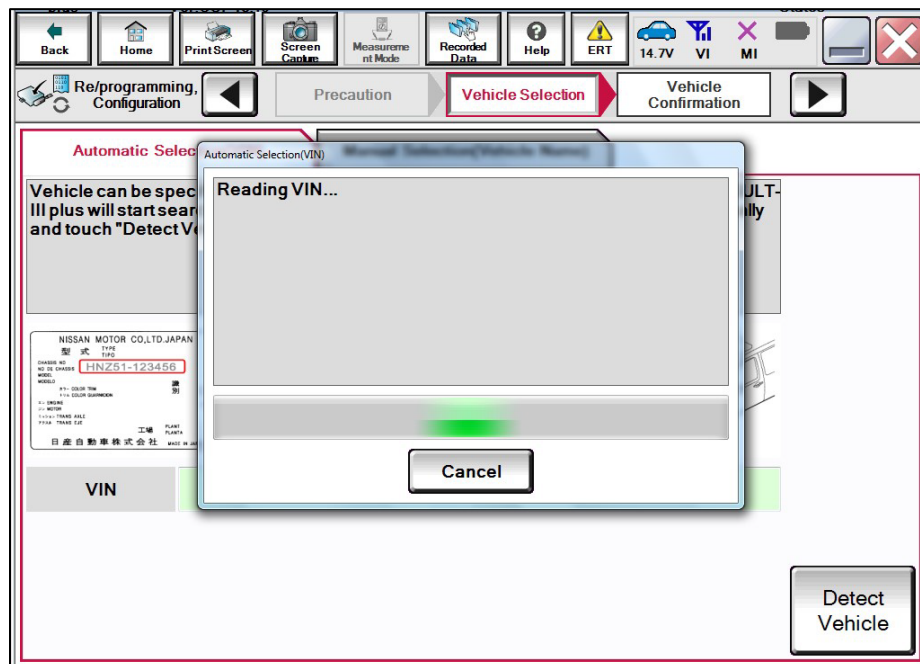


Figure 4

14. 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, 12.4V, 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 value 'XXXXXXXXXXXXXXXXXX', 'Vehicle Name :' with value 'XXXX', and 'Model Year' with value 'XXXX'. At the bottom right of the table is a '1/1' indicator and navigation arrows. At the bottom right of the screen are two buttons: 'Change' and 'Confirm'. A green arrow points to the 'Confirm' button.

VIN or Chassis #	XXXXXXXXXXXXXXXXXX
Vehicle Name :	XXXX
Model Year	XXXX

Figure 5

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

The screenshot shows the same software interface as Figure 5, but with a 'System Call' dialog box overlay. The dialog box has a title bar 'System Call' and contains the text 'System call performing... Please wait...'. Below the text is a green progress bar that is approximately 73% full, with the number '73%' displayed to its right. At the bottom of the dialog box is a 'Cancel' button. The background interface is dimmed, showing the 'Vehicle Confirmation' screen with the 'Change' and 'Confirm' buttons.

Figure 6

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

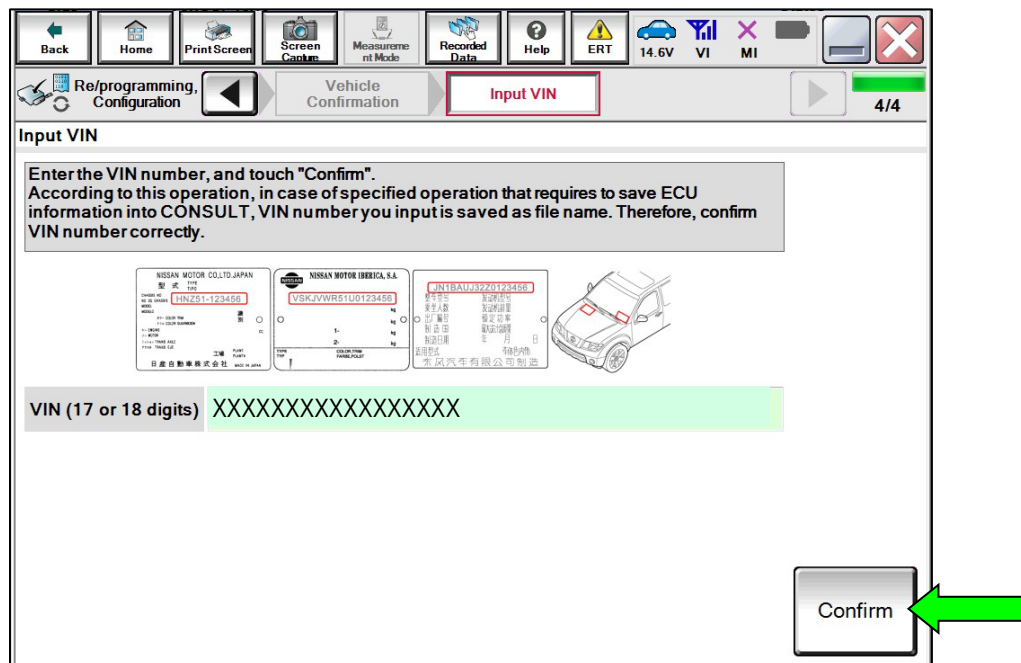


Figure 7

17. Select **IPDM E/R**.

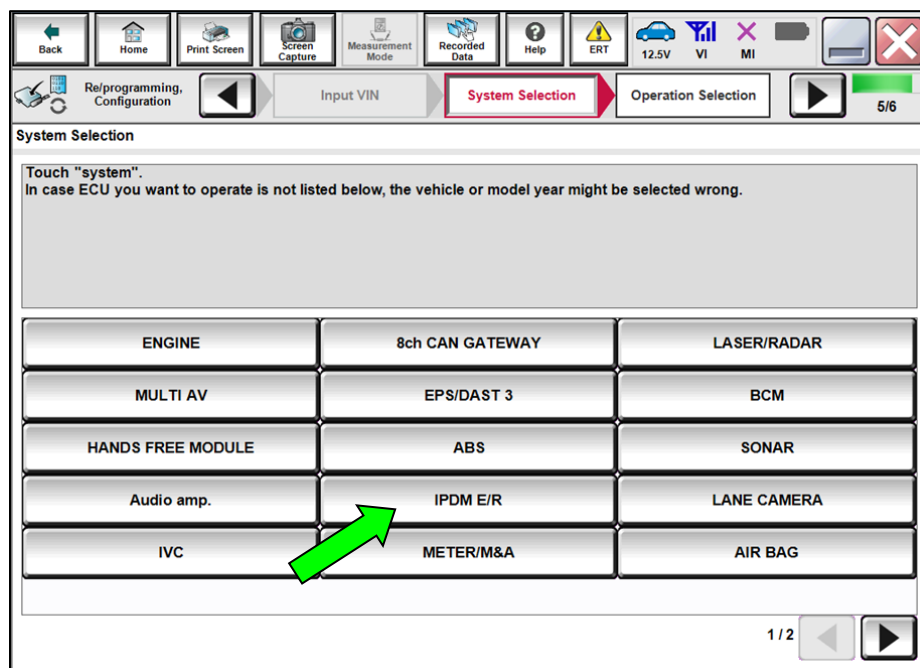


Figure 8

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

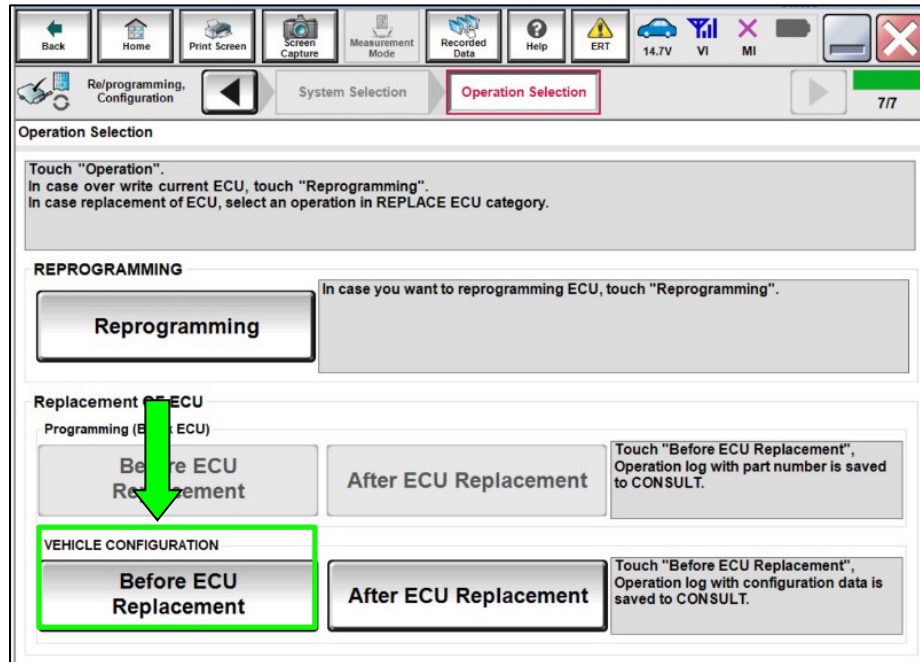


Figure 9

19. Confirm the current **Part number/Type ID** and write it on the repair order (Figure 10).
- If the current **Part number/Type ID** does **NOT** match one of the part numbers in **Table A**, continue to step 20 on page 9 to reconfigure the IPDM E/R.
 - If the current **Part number/Type ID** does match one of the part numbers in **Table A**, this bulletin does not apply. Go back to ASIST for further diagnostic and repair information.

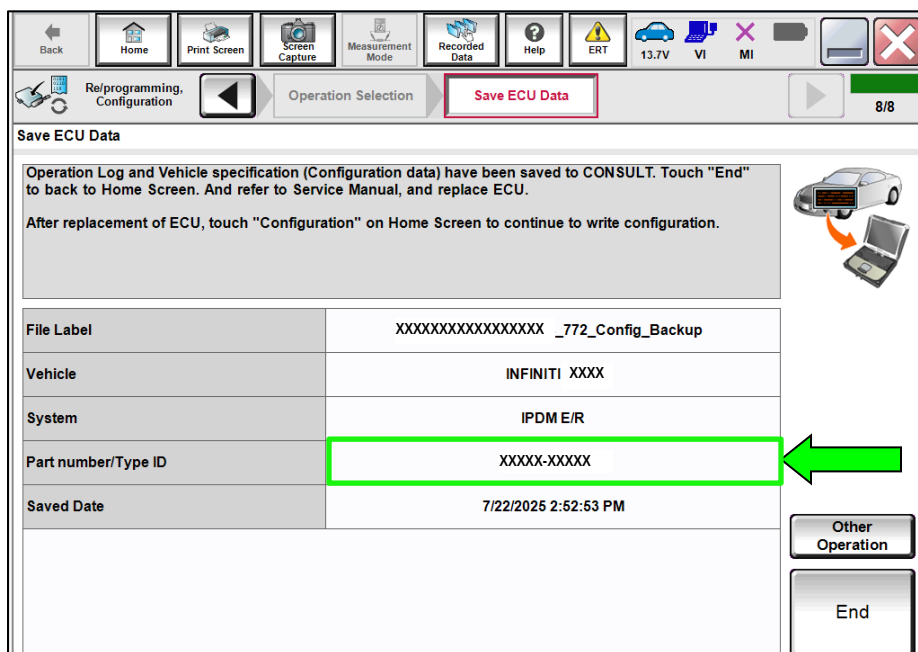


Figure 10

Table A

MODEL	MODEL YEAR	GRADE	PART NUMBER/TYPE ID TO APPLY
QX50	2019-2020	Pure	284M1-9CP2B
		All Except Pure	284M1-9CP2A
	2021-2024	All	284M1-9CP0A
QX55	2022-2024	All	284M1-9JN0A

20. Select **Other Operation**.

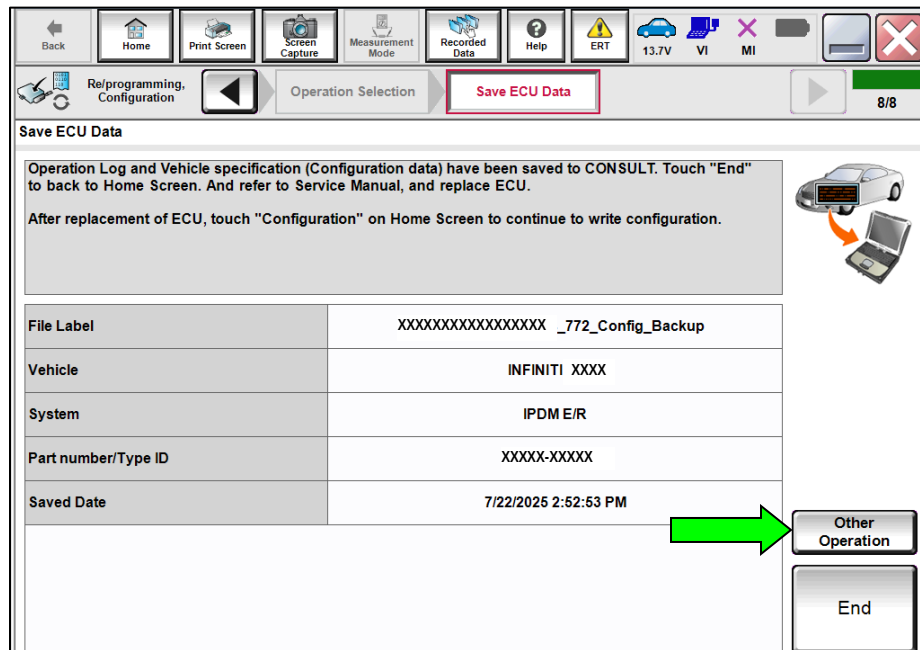


Figure 11

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

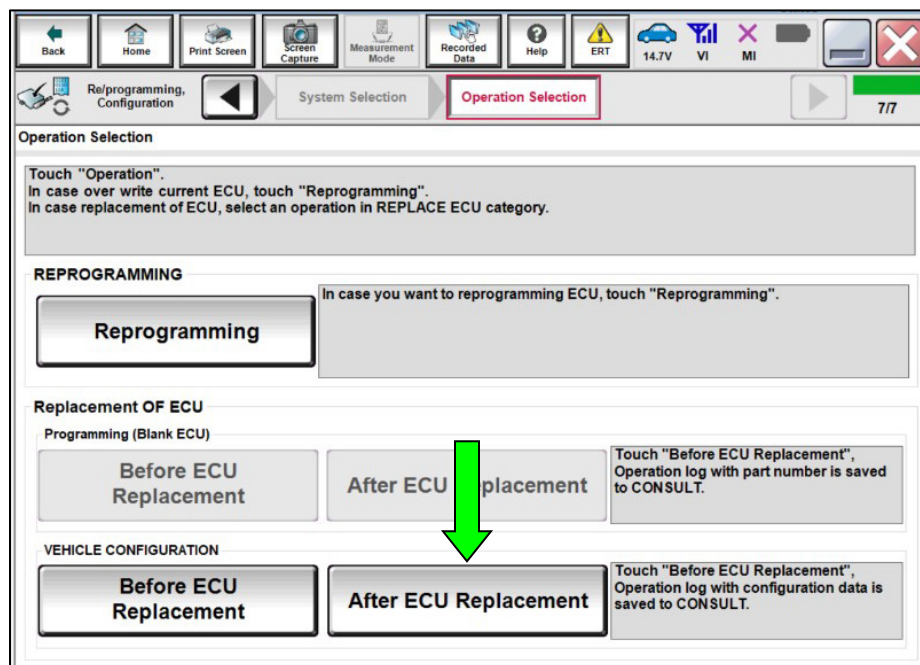


Figure 12

22. Select **Manual selection**.

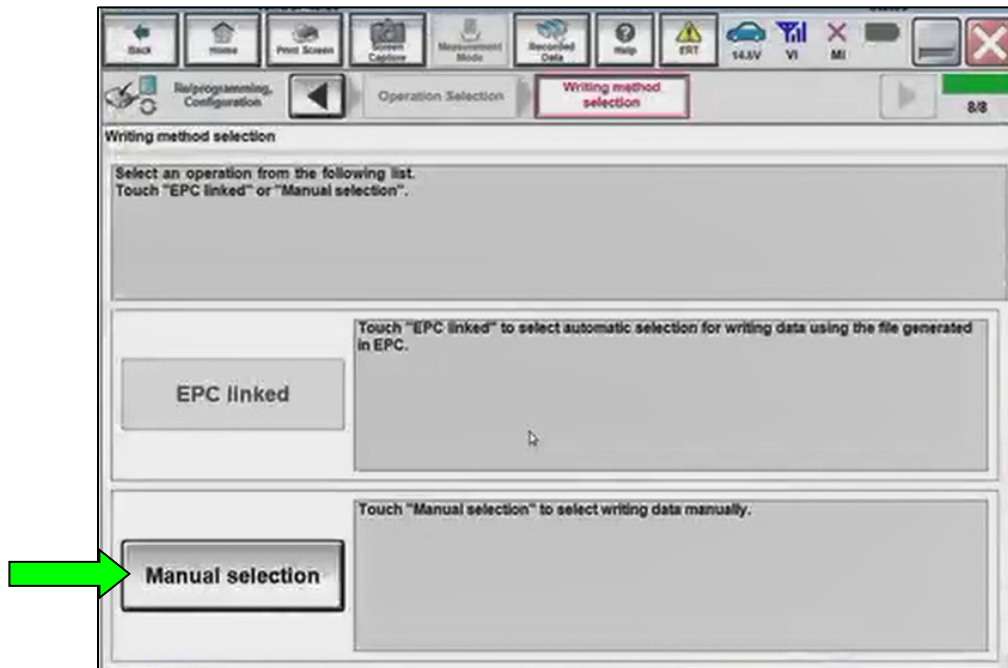


Figure 13

23. Select the applicable **PART NUMBER/TYPE ID** to apply from **Table A** on page 8, and then select **Next**.

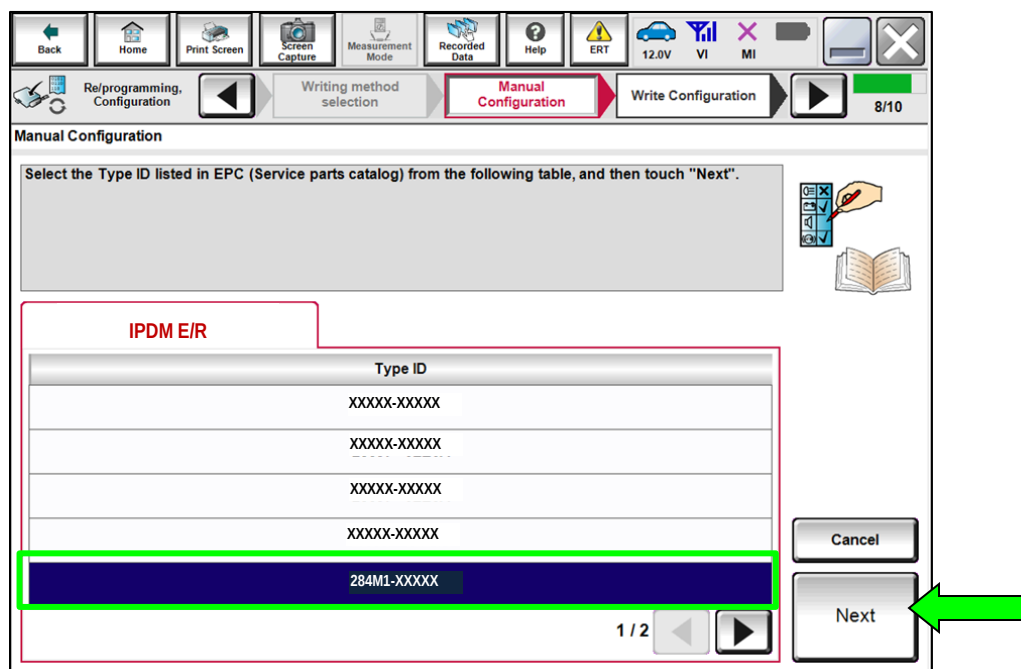


Figure 14

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

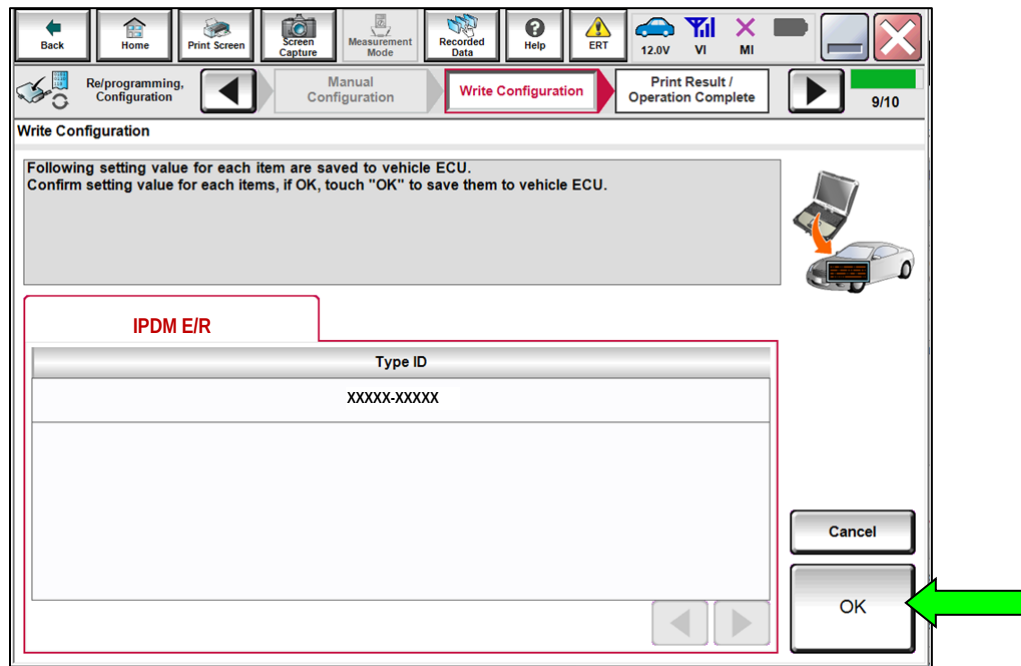


Figure 15

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

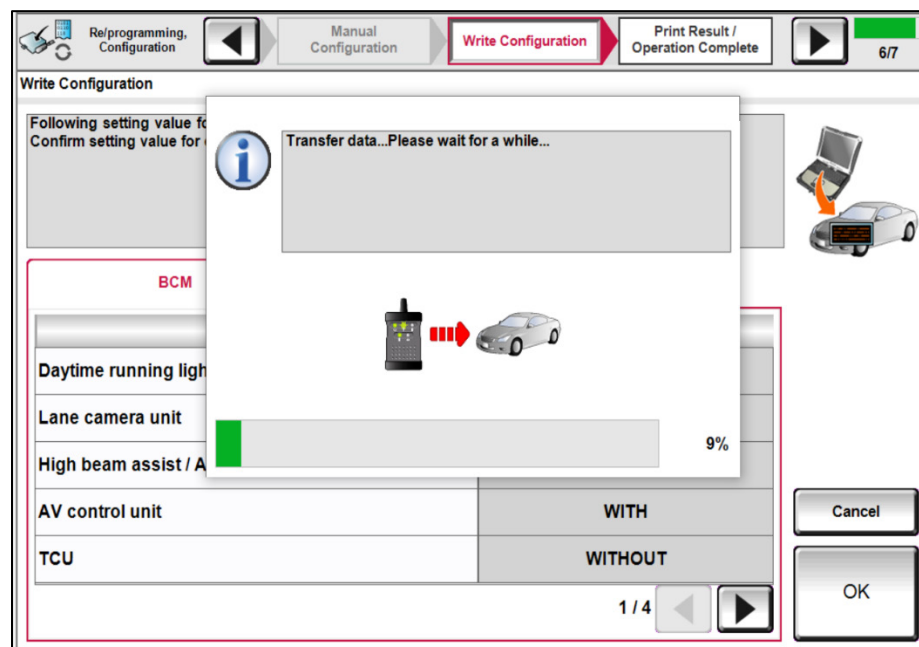


Figure 16

26. Select **End**.

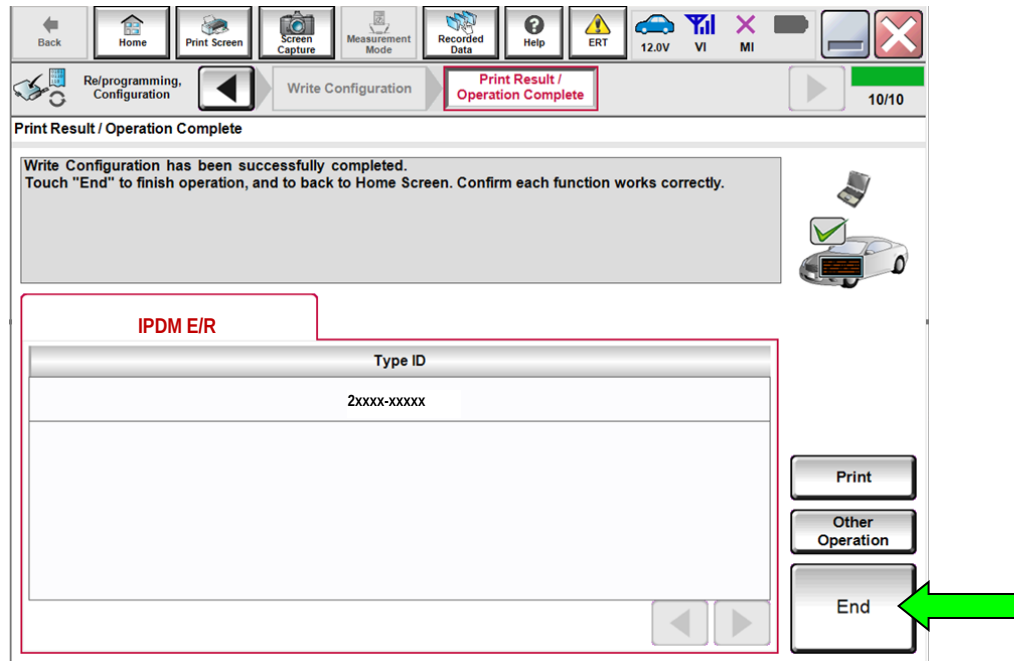


Figure 17

PARTS INFORMATION

DESCRIPTION	PART NUMBER	QUANTITY
CONTROL UNIT ASSY - IPDM, ENGINE ROOM (IPDM ER ECU)	284B7-5NA4C	1 If Needed

CLAIMS INFORMATION

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

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
Replace IPDM Control Unit	(1)	RD21AA	ZE	32	(2)
Reconfigure the IPDM E/R Only		RXK5AA			0.4

- (1) Reference the Electronic Parts Catalog (EPC) and use the IPDM Controller (284B7-*****) as the Primary Failed Part (**PFP**).
- (2) Reference the current Nissan 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"
February 25, 2026	ITB22-025C	APPLIED VEHICLES and APPLIED DATES revised, removed all steps related to replacement of the engine cooling fan assembly and IPDM E/R, Steps 16-18 updated, CLAIMS INFORMATION updated.
August 26, 2026	ITB22-025D	Steps 1-2 added to check and/or replace the IPDM E/R. PARTS INFORMATION table added. CLAIMS INFORMATION revised.