



TECHNICAL SERVICE BULLETIN

Classification:	Reference:	Date:
HA21-004A	NTB21-072A	June 13, 2023

A/C INOPERATIVE WITH DTC B20C8-14 STORED IN THE IPDM E/R

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

APPLIED VEHICLES: 2022 Pathfinder (R53)
2021-2022 Rogue (T33) – PR25DD engine only

APPLIED DATES: 2022 Pathfinder – Built on or before March 24, 2022
2021 Rogue – All
2022 Rogue:
11th character of VIN is W – Built on or before June 6, 2022
11th character of VIN is C – Built on or before March 24, 2022

IF YOU CONFIRM

The A/C compressor is not engaging when the A/C is in the ON position, as indicated by the yellow illumination on the A/C button,

AND

DTC B20C8-14 ECV (ELECTRICAL CONTROL VALVE) is stored in the IPDM E/R.

ACTION

1. Replace the IPDM E/R.
2. Follow the **SERVICE PROCEDURE** to configure the IPDM E/R.

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

Replace the IPDM E/R

1. Replace the IPDM E/R.
 - Refer to the ESM: **ELECTRICAL & POWER CONTROL > POWER CONTROL SYSTEM > IPDM E/R > REMOVAL AND INSTALLATION > IPDM E/R**
2. Proceed to **Configure the IPDM E/R**, below.

Configure the IPDM E/R

IMPORTANT: Before starting, make sure all C-III plus software updates (if any) have been installed.

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

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

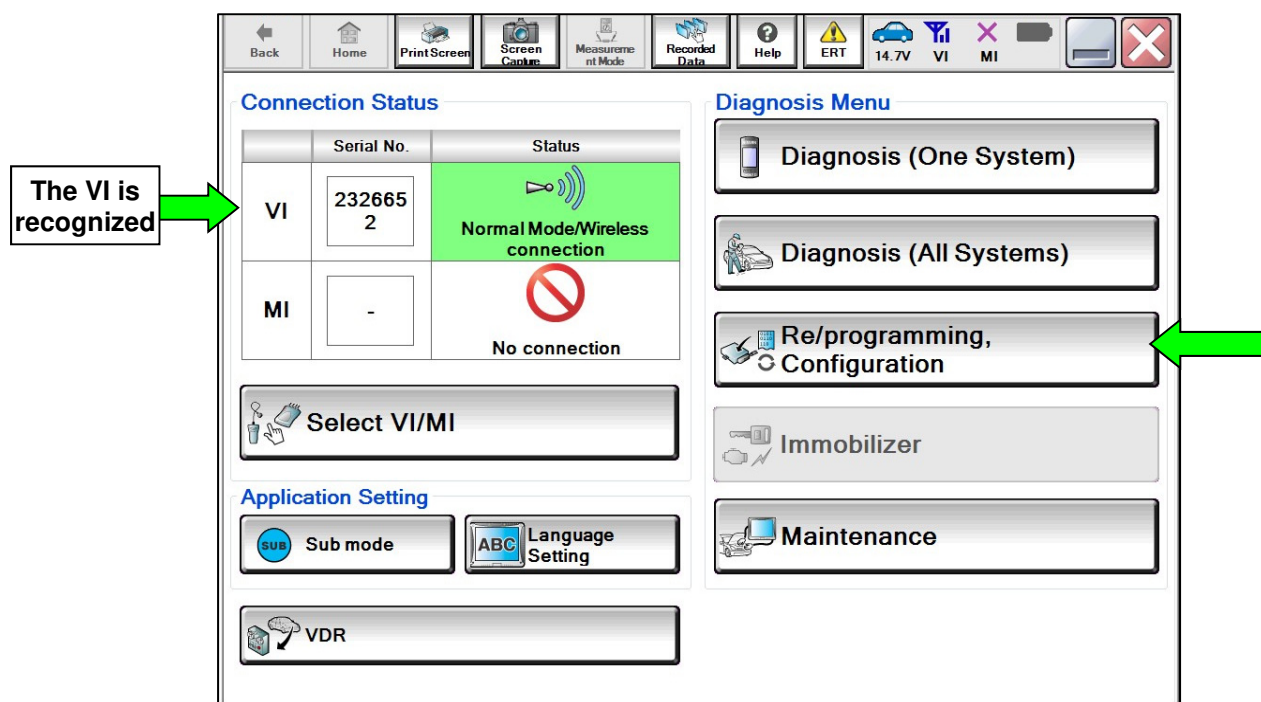


Figure 1

11. 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 of the precautions.

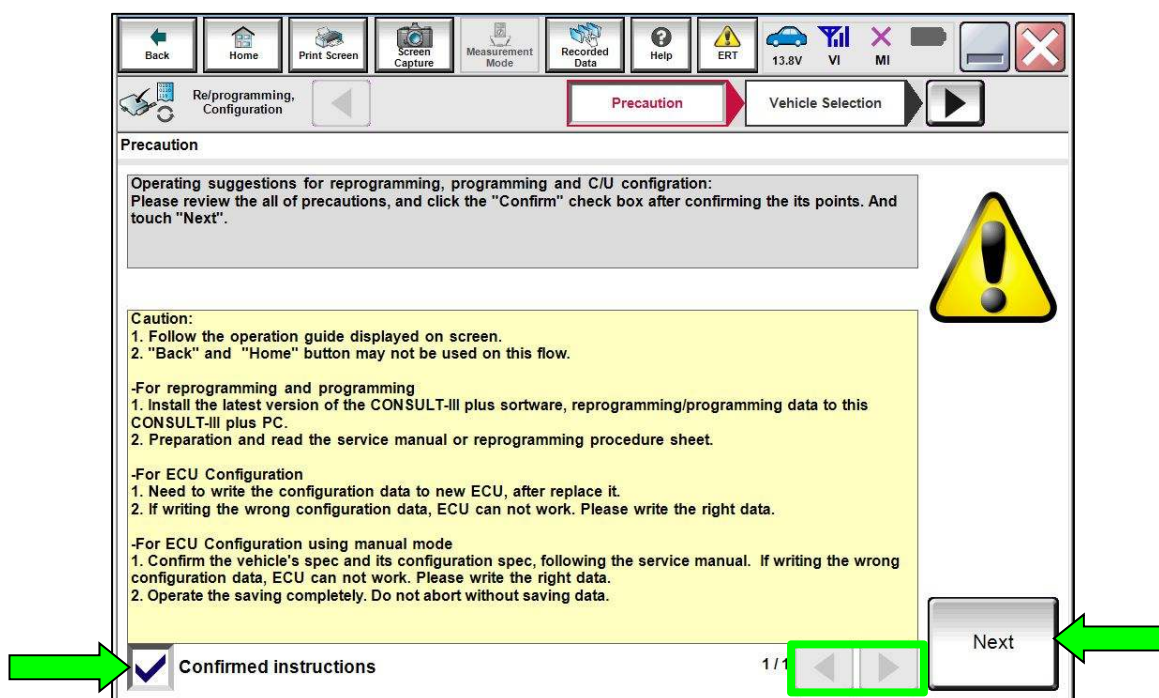


Figure 2

12. Select the correct **Vehicle Name** and **Model Year**.
13. Select **Select**.

The screenshot shows the 'Vehicle Selection' screen. At the top, there's a navigation bar with icons for Back, Home, Print Screen, Screen Capture, Measurement Mode, Recorded Data, Help, and a status bar with 12.2V, VI, MI, and a battery icon. Below the navigation bar, there's a progress bar with 'Re/programming, Configuration', 'Precaution', 'Vehicle Selection' (highlighted), and 'Vehicle Confirmation'. The main area is divided into two tabs: 'Automatic Selection(VIN)' and 'Manual Selection(Vehicle Name)'. Under 'Manual Selection(Vehicle Name)', there's a search bar and a table of vehicle models. A green arrow points to the 'Select' button at the bottom right.

Vehicle Name :		
*MURANO Camp:P8201	JUKE	QUEST
350Z	LEAF	ROGUE
370Z	Example	
370Z Convertible		
ALTIMA		
ALTIMA Hybrid		
ARMADA	NISSAN GT-R	VERSA Hatchback
CUBE	NV	VERSA Sedan
FRONTIER	PATHFINDER	XTERRA
	PATHFINDER ARMADA	X-TRAIL

Model Year :
Sales Channel:
NISSAN
INFINITI
CLEAR
Select

Figure 3

14. Verify the correct VIN is populated.
15. Select **Confirm**.

The screenshot shows the 'Vehicle Confirmation' screen. At the top, there's a navigation bar with icons for Back, Home, Print Screen, Screen Capture, Measurement Mode, Recorded Data, Help, ERT, 14.4V, VI, MI, and a battery icon. Below the navigation bar, there's a progress bar with 'Re/programming, Configuration', 'Vehicle Selection', and 'Vehicle Confirmation' (highlighted). The main area contains a confirmation message: '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 #', 'Vehicle Name', and 'Model Year'. A green arrow points to the 'Confirm' button at the bottom right.

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

1 / 1

Change
Confirm

Figure 4

16. Select **Confirm**.

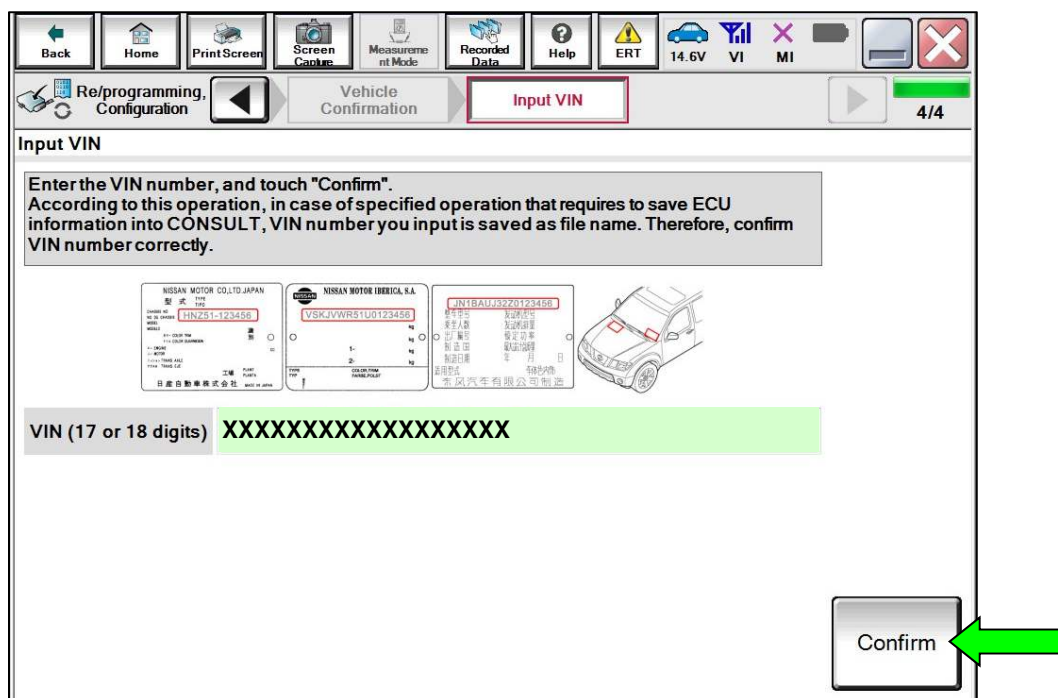


Figure 5

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

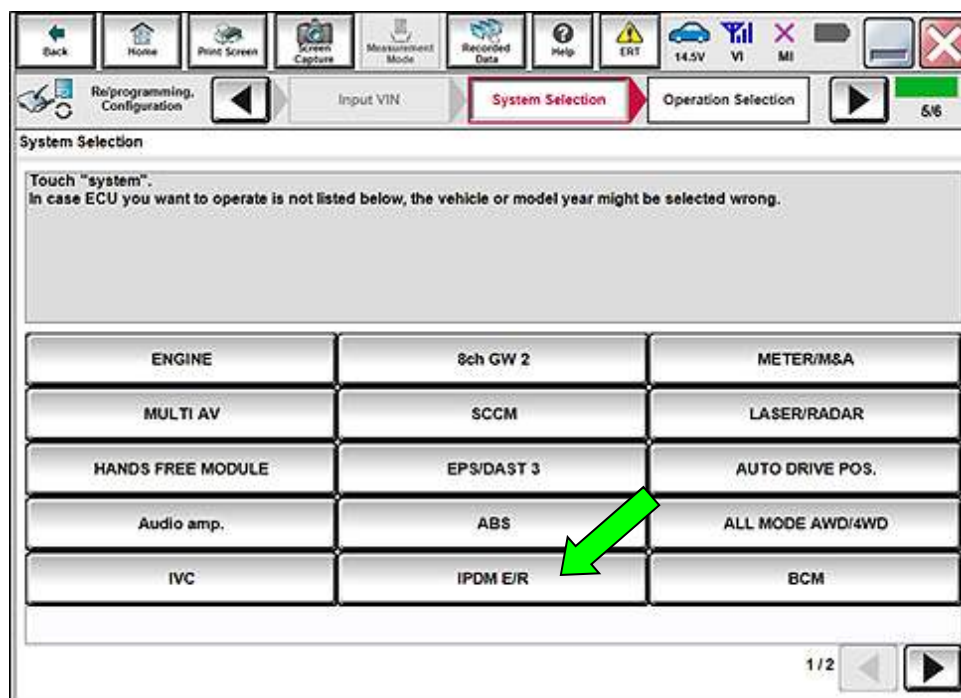


Figure 6

18. Select **Configuration** under **VEHICLE CONFIGURATION**.

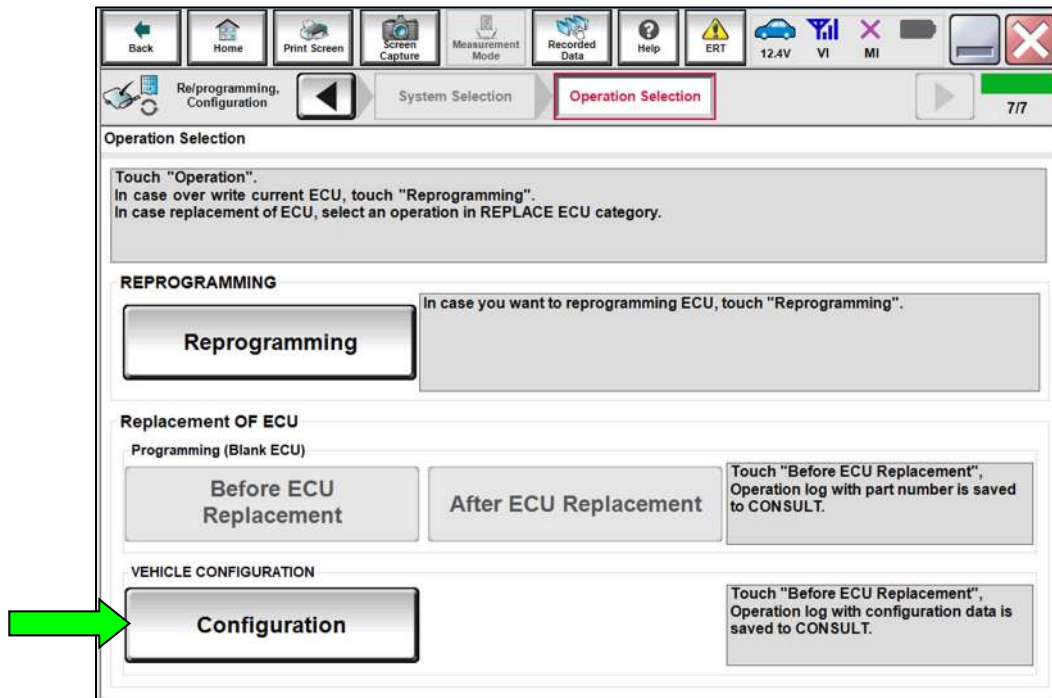


Figure 7

19. Select **START**.

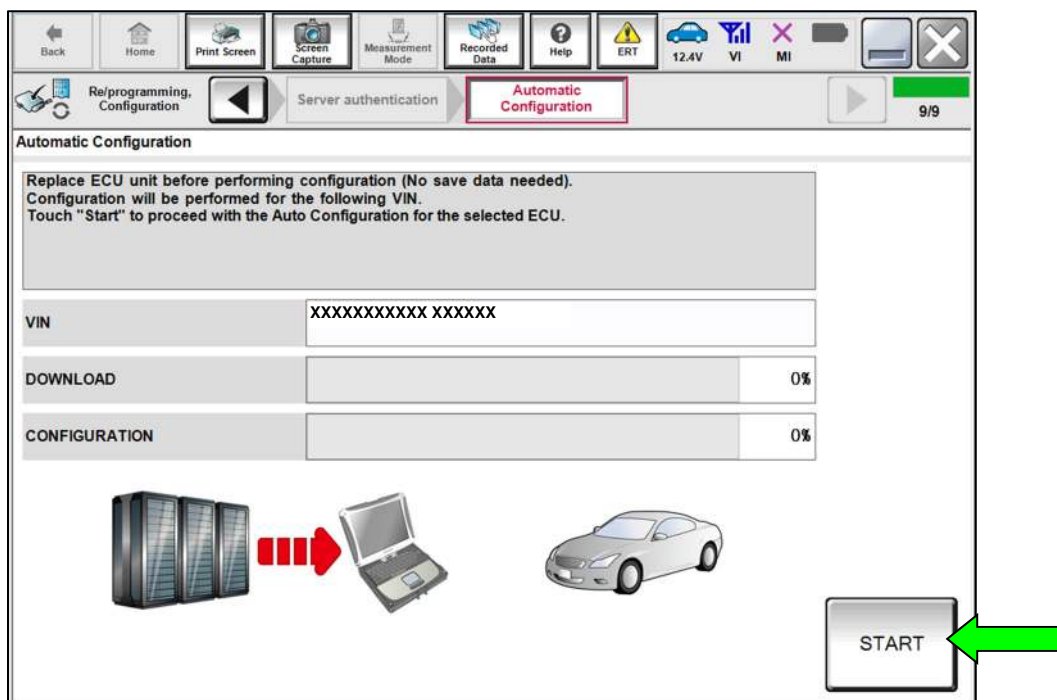


Figure 8

20. When the configuration reaches “100%”, select **End**.

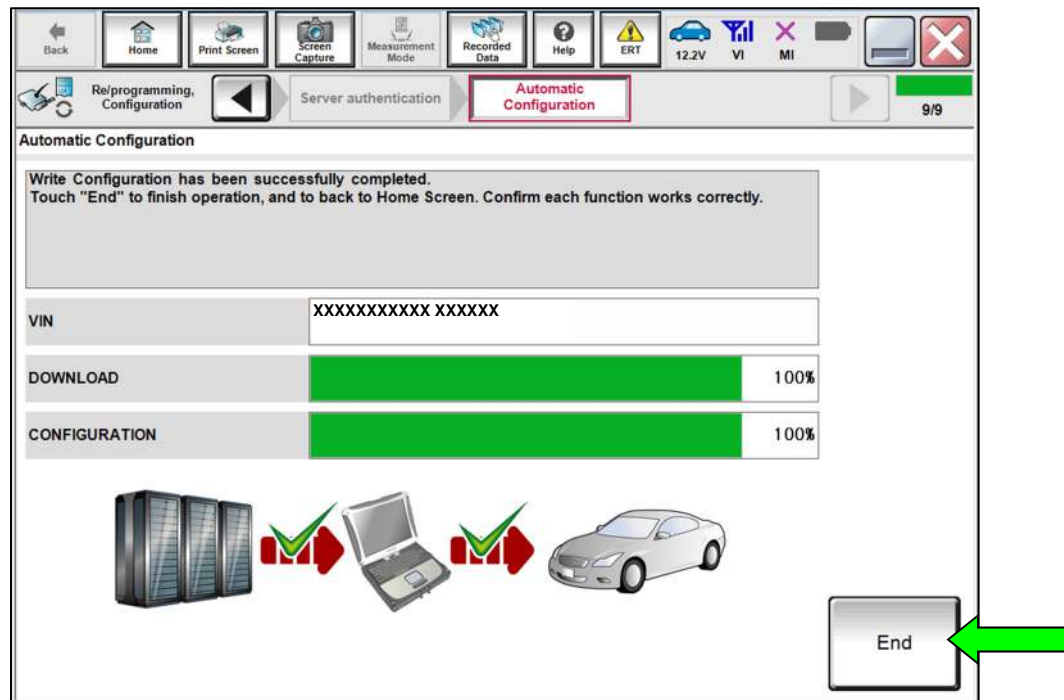


Figure 9

21. Clear the DTC.

- If DTC B20C8-14 is past, A/C compressor operation will be inhibited until the DTC is cleared.
- If DTC B20C8-14 returns after being cleared (either current or past status), perform the diagnosis procedure in the ESM.
 - For models with Automatic Air Conditioning, refer to the ESM: **VENTILATION, HEATER & AIR CONDITIONER > HEATER & AIR CONDITIONING CONTROL SYSTEM > AUTOMATIC AIR CONDITIONING > DTC/CIRCUIT DIAGNOSIS > B20C8-14 ECV (ELECTRICAL CONTROL VALVE)**
 - For models with Manual Air Conditioning, refer to the ESM: **VENTILATION, HEATER & AIR CONDITIONER > HEATER & AIR CONDITIONING CONTROL SYSTEM > MANUAL AIR CONDITIONING > DTC/CIRCUIT DIAGNOSIS > B20C8-14 ECV (ELECTRICAL CONTROL VALVE)**

PARTS INFORMATION

MODEL	DESCRIPTION	PART NUMBER	QUANTITY
Pathfinder	CONTROL UNIT - IPDM, ENGINE ROOM	284B7-6TA1C	1
Rogue	CONTROL UNIT - IPDM, ENGINE ROOM	284B7-6RA1C	1

CLAIMS INFORMATION

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

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
Replace IPDM Module	(1)	RD21AA	ZE	32	(2)

- (1) Reference the electronic parts catalog and use the IPDM Control Unit (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
August 6, 2021	NTB21-072	Original bulletin published
June 13, 2023	NTB21-072A	Changes made throughout