



VOLUNTARY RECALL CAMPAIGN

Classification: EL24-012	Reference: NTB24-039	Date: July 29, 2024
-----------------------------	-------------------------	------------------------

VOLUNTARY SAFETY RECALL CAMPAIGN 2023 ARIYA; BATTERY JUNCTION BOX

CAMPAIGN ID #: R24A8
APPLIED VEHICLES: 2023 ARIYA (FE0)

**Check Service COMM or Dealer Business Systems (DBS)
National Service History to confirm campaign eligibility.**

INTRODUCTION

Nissan is conducting this voluntary safety recall campaign on certain specific model year 2023 ARIYA vehicles to check the program version of the Inverter and if necessary, reprogram the Inverter to update the Battery Junction Box operation. This service will be performed at no charge to the customer for parts or labor.

IDENTIFICATION NUMBER

Nissan has assigned identification number R24A8 to this campaign. This number must appear on all communication and documentation of any nature dealing with this campaign.

DEALER RESPONSIBILITY

It is the dealer’s responsibility to check Service COMM or Dealer Business Systems (DBS) National Service History for the campaign status on each vehicle falling within the range of this voluntary safety recall which for any reason enters the service department. This includes vehicles purchased from private parties or presented by transient (tourist) owners and vehicles in a dealer’s inventory. **Federal law requires that new vehicles in dealer inventory which are the subject of a safety recall must be corrected prior to sale. Failure to do so can result in civil penalties by the National Highway Traffic Safety Administration.** While federal law applies only to new vehicles, Nissan strongly encourages dealers to correct any used vehicles in their inventory before they are retailed.

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

Check the ECU Part Number(s) for the MOTOR CONTROL (All Models) and REAR MOTOR CONTROL (AWD Models)

IMPORTANT: Before starting, make sure:

- ASSIST on the CONSULT PC has been synchronized (updated) to the current date.
- All CONSULT 4 software updates (if any) have been installed.
- Connect the CONSULT PC to the Internet via Wi-Fi.

HINT: If Wi-Fi connection is not sufficient or is unstable, data may not download correctly during the reprogramming procedure.

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 Inverter may be damaged.
- Be sure to turn OFF all vehicle electrical loads (e.g. A/C, headlamps, audio). If a vehicle electrical load remains ON, the Inverter 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 Inverter 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 Inverter may be damaged.

1. Make sure the vehicle is OFF.
2. Connect the VI3 to the vehicle.
3. Turn the hazard lamps ON.
4. Set the vehicle to ACC mode.
 - Press the start button one (1) time without depressing the brake pedal.
5. Verify the CONSULT PC is connected to the internet.
6. Start CONSULT 4 on the CONSULT PC.
7. If prompted, select **USA/CANADA Dealers** from the drop-down menu, and then select **OK**.

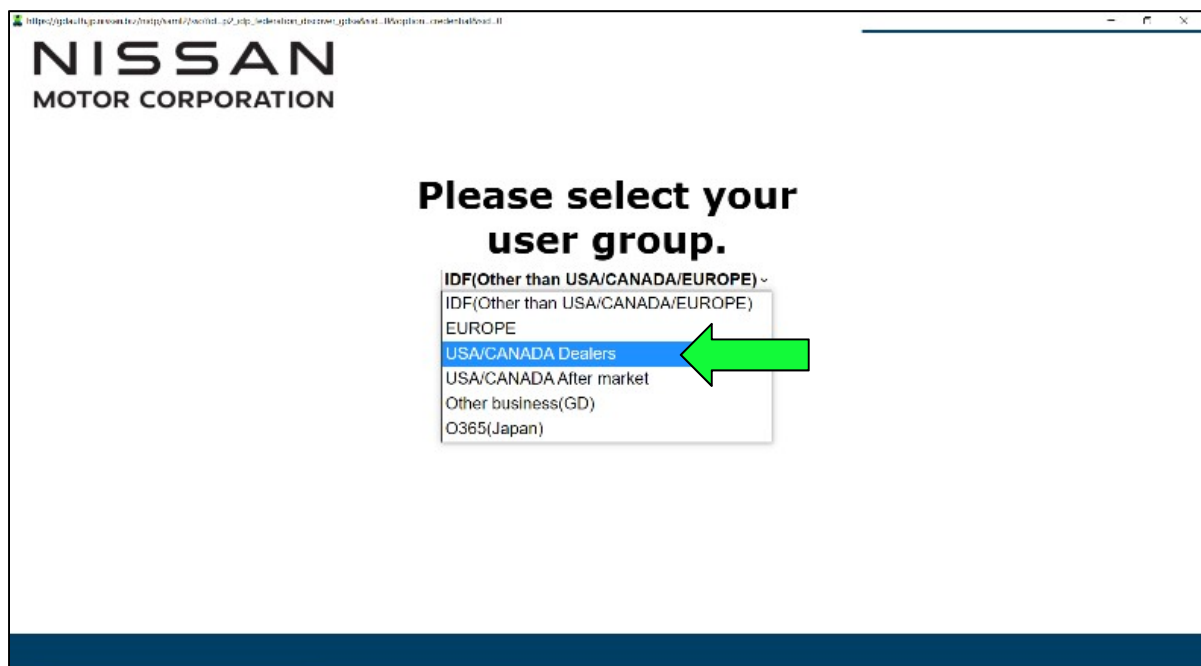


Figure 1

8. Login using your NNAnet credentials, and then select **Submit**.

IMPORTANT: If not prompted to enter your username and password, the CONSULT PC may not be connected to Wi-Fi. Close CONSULT 4, confirm the CONSULT PC is connected to Wi-Fi, and then reopen CONSULT 4.

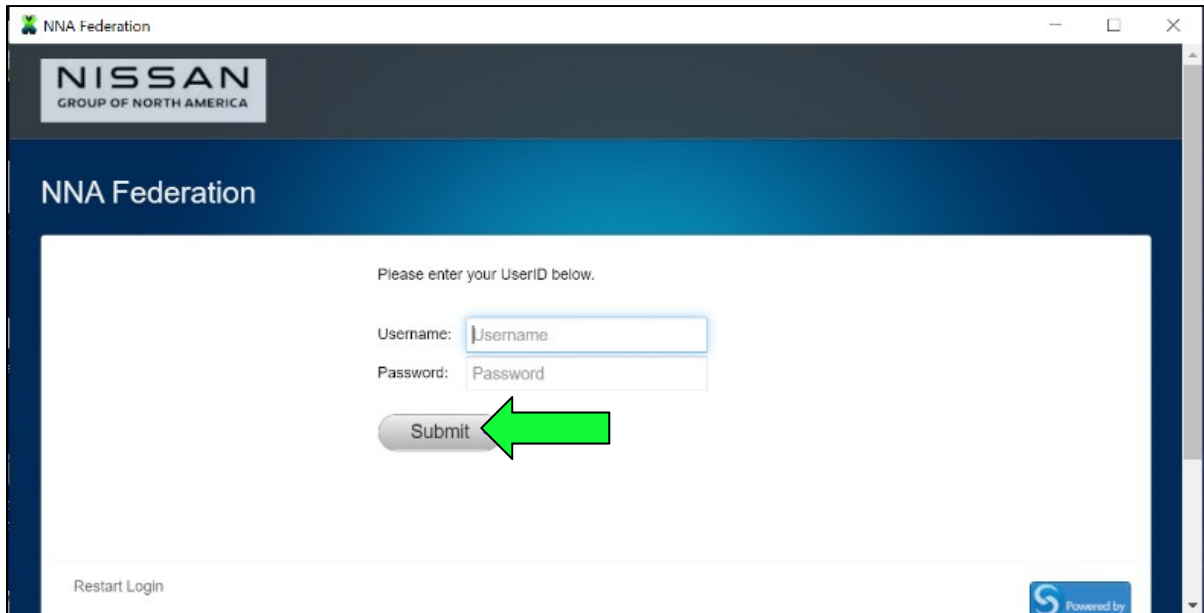


Figure 2

9. Allow the CONSULT 4 to connect to the vehicle and complete system call.

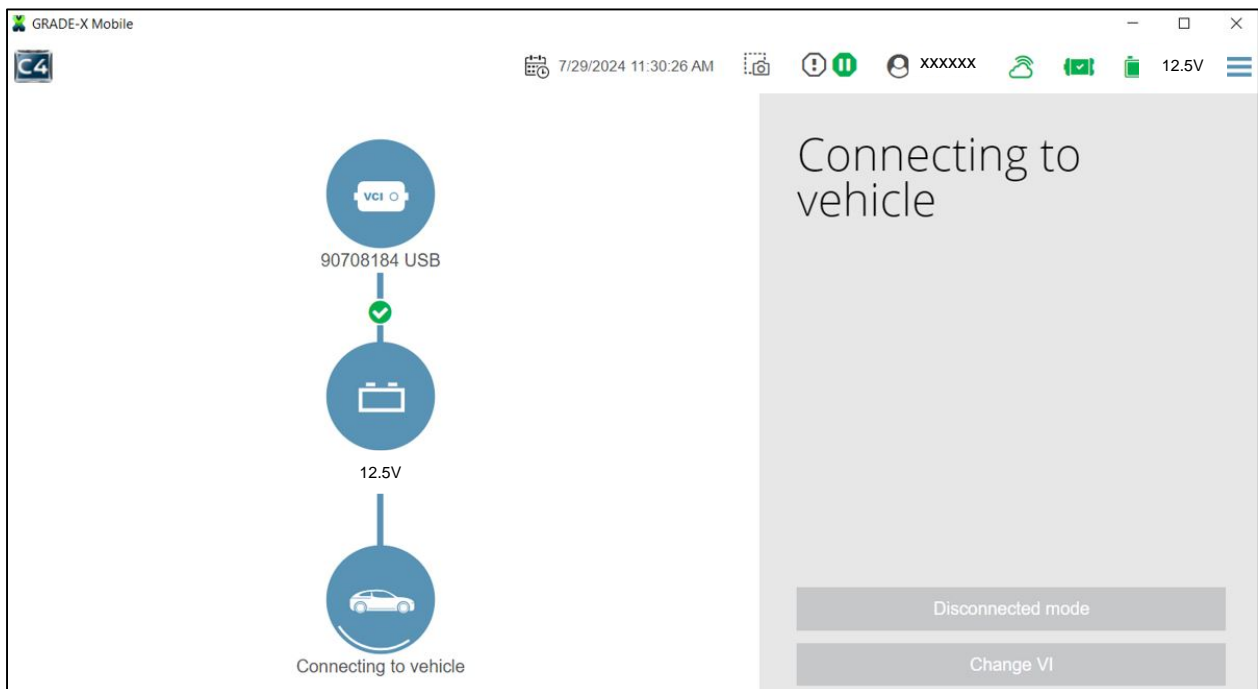


Figure 3

- 10. Ensure that the vehicle's 12 volt battery voltage stays between 12.0-13.5V.
- 11. Allow CONSULT 4 to access all the control units in the vehicle. Once complete, select **MOTOR CONTROL**.
 - This process may take several minutes.

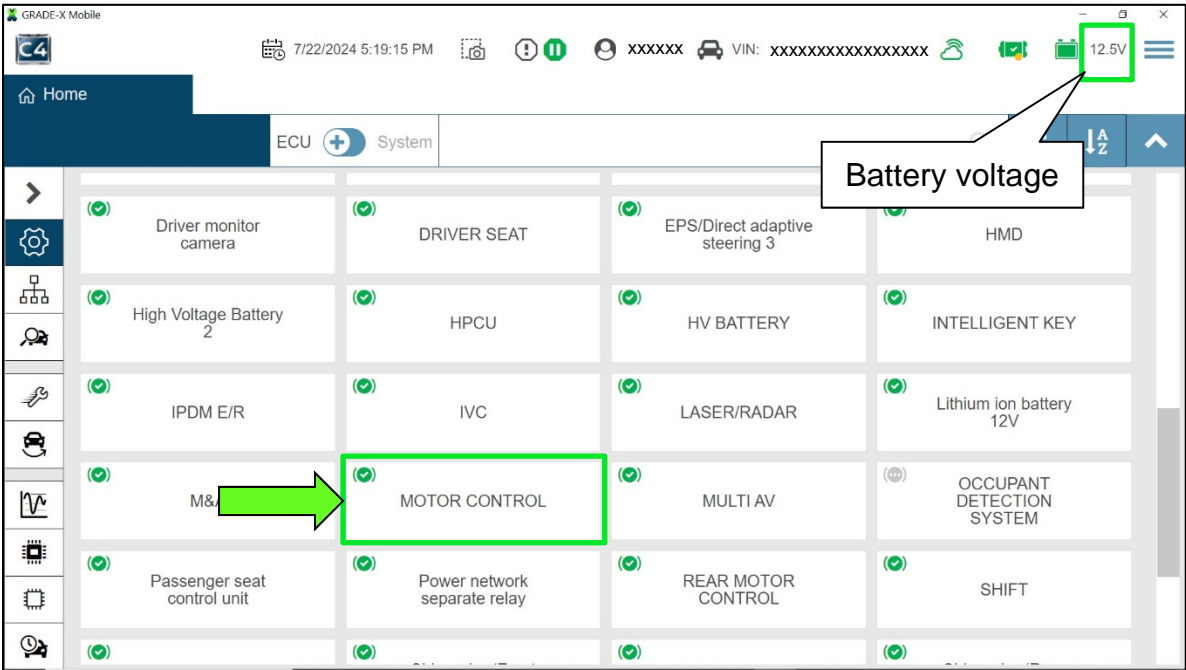


Figure 4

- 12. Select **ECU identification**.

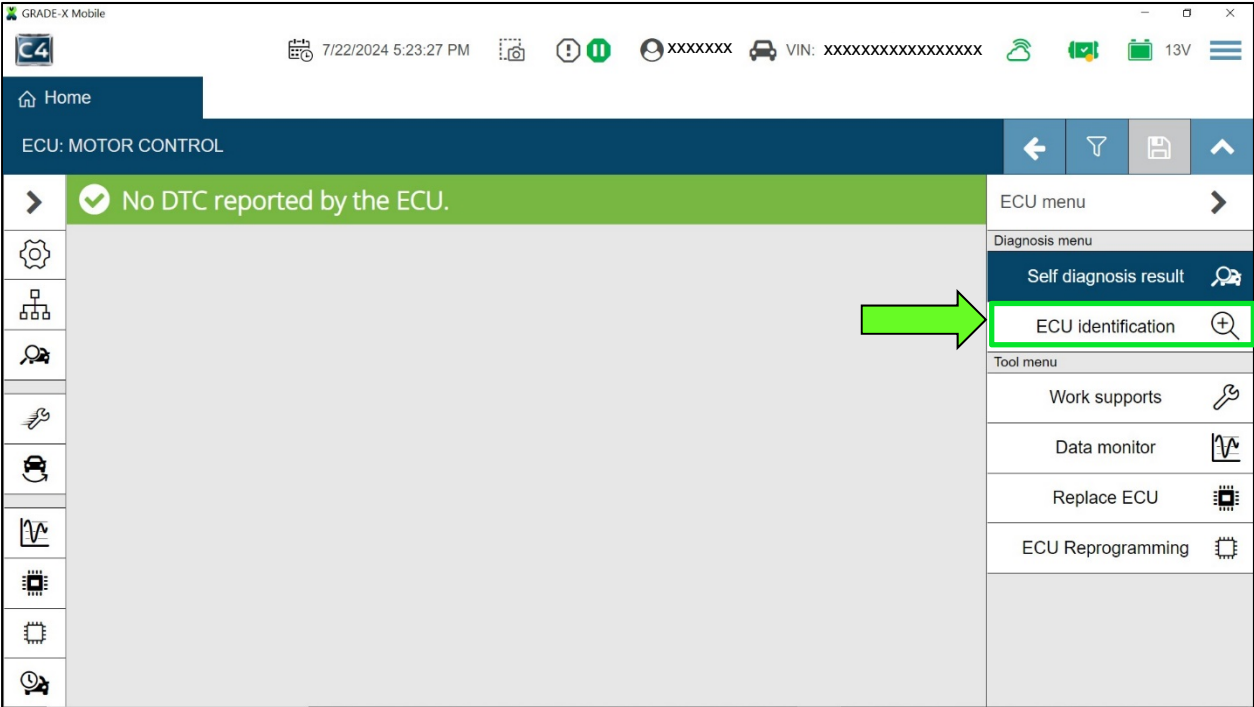


Figure 5

13. Print the screen showing the **MOTOR CONTROL ECU part number** and attach it to the repair order.

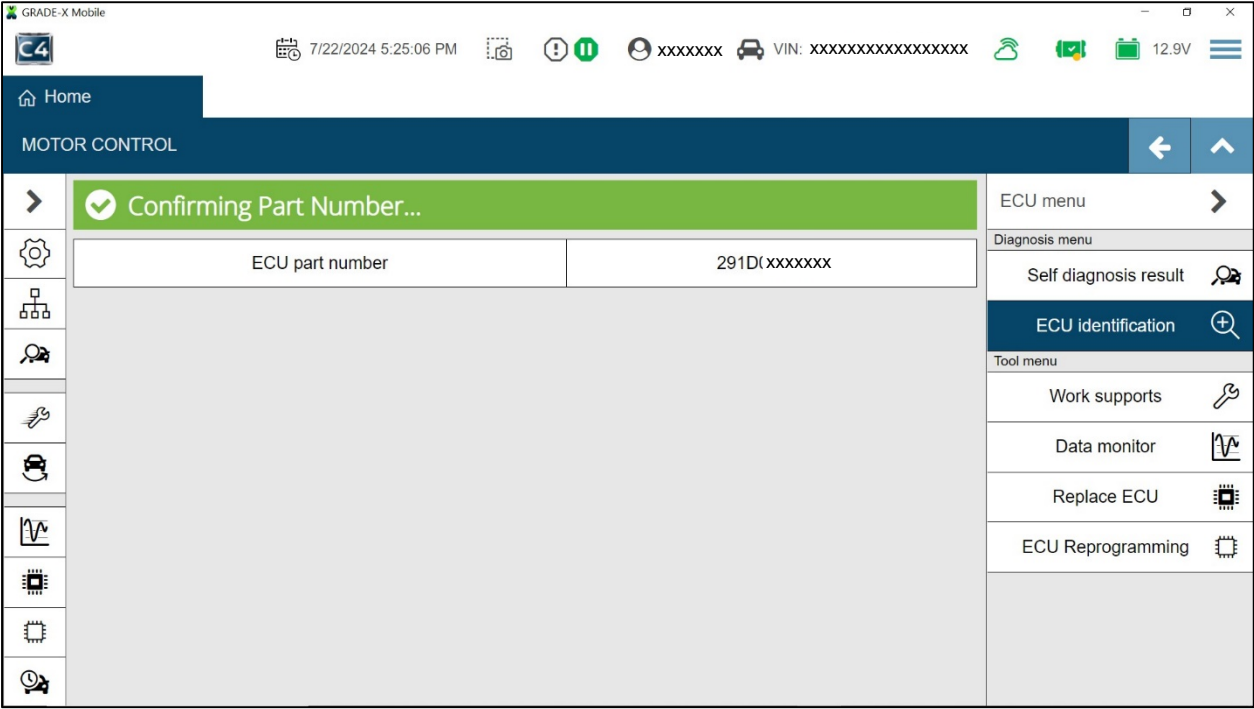


Figure 6

- If the vehicle is FWD, continue to step 14 on page 7.
- If the vehicle is AWD, repeat steps 11-13 on pages 5-6 by selecting **REAR MOTOR CONTROL**.
 - Continue to step 14 on page 7.

14. Compare the current ECU part number to the part numbers in **Table A**.
 - If the part number is **NOT** listed in **Table A**, no further action is necessary.
 - Refer to **CLAIMS INFORMATION** on the last page and submit OP Code R24A80 for MOTOR CONTROL ECU (Inverter) part number check.
 - If the part number **IS** listed in **Table A**, refer to Voluntary Recall Campaign Bulletin NTB23-074 (R23C6) to reprogram the Motor Control Unit(s) in the Inverter.
 - Refer to **CLAIMS INFORMATION** on the last page and submit OP Code R24A80 for MOTOR CONTROL ECU (Inverter) part number check, AND on a second line of the repair order, submit the applicable OP Code from R23C6 (NTB23-074) for Reprogram Inverter.

Table A

CURRENT MOTOR CONTROL PART NUMBER: 291D0 -	CURRENT REAR MOTOR CONTROL PART NUMBER: 291D0 -
5MP0A, 5MP0B, 5MP2A, 5MP2B, 5MP2C	5MR0A, 5MR0B, 5MR0C

15. Close CONSULT 4 by selecting the X in the upper right hand corner (not shown).
16. Turn the vehicle OFF by depressing the start button one (1) time.
17. Disconnect and remove the VI3 from the vehicle.
18. Disconnect the battery maintainer/smart charger.
19. Close the hood.

CLAIMS INFORMATION

Submit a "CM" line claim using the following claims coding:

CAMPAIGN ("CM") ID	DESCRIPTION	OP CODE	FRT
R24A8	Check Motor Control and if applicable Rear Motor Control Part Number(s)	R24A80	0.3

AMENDMENT HISTORY

PUBLISHED DATE	REFERENCE	DESCRIPTION
July 29, 2024	NTB24-039	Original bulletin published

