

Part 573 Safety Recall Report

24V-560

Manufacturer Name : Nissan North America, Inc.**Submission Date :** JUL 25, 2024**NHTSA Recall No. :** 24V-560**Manufacturer Recall No. :** R24A8**Manufacturer Information :**

Manufacturer Name : Nissan North America, Inc.

Address : P. O. BOX 685001

Franklin TN 37068-5009

Company phone : 800-647-7261

Population :

Number of potentially involved : 1,188

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2023-2023 Nissan Ariya

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : HYBRID ELECTRIC

Descriptive Information : Based on Nissan production records, the issue occurred on certain Model Year 2023 Ariya vehicles that were built with the subject component during the affected production period in the table above. All of these vehicles have been previously recalled under Recall 23V-657 (Nissan Ariya Inverter). Nissan Ariya vehicles that have received the reprogramming remedy for Recall 23V-657 no longer contain the issue and are not included in this recall.

Based on Nissan recall campaign completion records, the issue is present on certain Model Year 2023 Ariya vehicles that have not yet been repaired under the Recall 23V-657. This concern could potentially affect both 2WD and 4WD models.

Due to the unique electric motor type utilized on the vehicle, this issue affects only Nissan Ariya. No other Nissan or INFINITI vehicles are affected.

Production Dates : SEP 08, 2022 - MAY 08, 2023

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

Description of the Defect : On affected Ariya vehicles, the current sensor inside the battery junction box may detect a gap in the current ripple frequency of the motor while operating at high speeds. The misdiagnosis results in the inverter's Power Electronics Box (PEB) taking a protective measure by cutting the motor's torque.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : . If this occurs, affected vehicles may experience fail-safe mode resulting in a sudden loss of motive power without prior warning, increasing the risk of a crash. The fail-safe mode is released after the vehicle is completely powered off, allowing for a possible restart.

Description of the Cause : NR

Identification of Any Warning that can Occur : In this condition, a malfunction indicator lamp (MIL) and a warning message "EV System OFF" will illuminate on the instrument cluster display.

Involved Components :

Component Name 1 : Inverter – Power Electronics Box (PEB)

Component Description : Inverter 2WD

Component Part Number : 291A0 5MP3G

Component Name 2 : Inverter – Power Electronics Box (PEB)

Component Description : Inverter FR 4WD

Component Part Number : 291A0 5MP5G

Component Name 3 : Inverter – Power Electronics Box (PEB)

Component Description : Inverter RR 4WD

Component Part Number : 291A0 5MP7G

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

See attached Part 573 for Chronology details.

Description of Remedy :

Description of Remedy Program : Dealers will verify whether the vehicle received the inverter software reprogram from Recall 23V-657 which improved fail-safe protocols:

- If the Recall 23V-657 reprogram was performed, no additional action is necessary.
- If the Recall 23V-657 reprogram was not performed, dealers are instructed to reprogram the inverter to improve the fail-safe protocols.

All inspections will be performed free of charge for labor and should take less than one half (0.5) hour to complete. If a repair is necessary, the dealer will reprogram the Inverter's Power Electronic Box with updated software to improve fail-safe protocols. For All-Wheel-Drive (AWD) vehicles, both front and rear inverters will need to be reprogrammed. This repair will also be performed free of charge for labor and may take up to one and a half (1.5) hours to complete.

Nissan will not include a statement in the Part 577 owner notification concerning reimbursement for the cost of obtaining a pre-notification remedy since the subject vehicles are under warranty.

How Remedy Component Differs from Recalled Component : NR

Identify How/When Recall Condition was Corrected in Production : NR

Recall Schedule :

Description of Recall Schedule : Dealers will be notified of the recall beginning July 30, 2024. Beginning on September 9, 2024, owners of all potentially affected vehicles will be notified to bring their Ariya vehicle to a Nissan dealer for an inspection.

Planned Dealer Notification Date : JUL 30, 2024 - NR

Planned Owner Notification Date : SEP 09, 2024 - NR

* NR - Not Reported