

Part 573 Safety Recall Report

23V-657

Manufacturer Name : Nissan North America, Inc.**Submission Date :** SEP 28, 2023**NHTSA Recall No. :** 23V-657**Manufacturer Recall No. :** R23C6**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 : 9,813

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. This concern could potentially affect both 2WD and 4WD models.

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

Production Dates : JUN 17, 2022 - MAY 19, 2023

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

Description of the Defect : On affected Ariya vehicles, there is a potential that conductive fibrous shavings from the drive motors' slip ring assembly can momentarily short circuit the two slip rings. If this occurs, the fibrous shavings are instantaneously burnt out resulting in no damage to any components. However, due to the fail-safe protocols, when the inverter detects a momentary over-current due to the short circuit, it cuts the motor torque to protect internal components of the controller, resulting in a loss of drive and "EV System Off" message displayed on the dashboard to alert the driver.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If this issue occurs, the torque to the driven wheels will be cut off until the fail-safe mode is released following a vehicle power off and restart. An unexpected loss of motive power while driving at high speed may increase

the risk of a crash.

Description of the Cause : NR

Identification of Any Warning that can Occur : An error message “EV System Off” will be displayed on the dashboard to alert the driver.

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 : Nissan Motor Company

Address : NR

Foreign States

Country : Japan

Chronology :

See attached Part 573 report for Chronology of Defect

Description of Remedy :

Description of Remedy Program : Dealers will be instructed to reprogram the inverter to improve fail-safe protocols.

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 September 29, 2023.

Beginning on October 20, 2023, owners of all potentially affected vehicles will be notified to bring their Ariya to a Nissan dealer for repair.

Planned Dealer Notification Date : SEP 29, 2023 - NR

Planned Owner Notification Date : OCT 20, 2023 - NR

* NR - Not Reported