

# Part 573 Safety Recall Report

## 22V-549

**Manufacturer Name :** Nissan North America, Inc.

**Submission Date :** OCT 17, 2022

**NHTSA Recall No. :** 22V-549

**Manufacturer Recall No. :** R22A6



### 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 : 5,904

Estimated percentage with defect : 1 %

### Vehicle Information :

Vehicle 1 : 2017-2019 Nissan Rogue Hybrid

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : HYBRID ELECTRIC

**Descriptive Information :** This issue only affects hybrid models with the subject hydraulic brake unit. The defect is unique to these models and dates of manufacture; no other Nissan (or INFINITI) vehicles are affected.

Production Dates : JUL 26, 2016 - DEC 12, 2018

VIN Range 1 : Begin : NR

End : NR

☐ Not sequential

### Description of Noncompliance :

**Description of the Noncompliance :** Due to the low heat capacity of the motor, certain driving conditions such as repeated brake application (stop and go traffic) combined with high temperatures in the engine room, can cause the brush temperature to increase inside the motor pump housing. If the temperature exceeds the allowable range, lubricity deteriorates which can cause sparking due to brush and commutator chatter that results in abnormal commutator wear.

This abnormal wear may lead to brush vibration, causing the pigtail to bend repeatedly and disconnect, leading to a decrease in brake assist output. If brake assist output drops below a predetermined level, the red brake system warning indicator will illuminate and the driver will receive an audible buzzer. If the driver continues to operate the vehicle, the driver may begin to experience a change in brake pedal travel and feel, and increased pedal effort. Although the vehicle braking system will continue to function, the brake assist output may not meet certain performance requirements specified in S7.5 and S7.6 of FMVSS 135; Light vehicle brake systems.

FMVSS 1 : 135 - Light vehicle brake systems

FMVSS 2 : NR

**Description of the Safety Risk :** If brake assist output drops below a predetermined level, the red brake system warning indicator will illuminate and the driver will receive an audible buzzer. If the driver continues to operate the vehicle, the driver may begin to experience a change in brake pedal travel and feel, and increased pedal effort. Although the vehicle braking system will continue to function, reduced brake assist may result in increased stopping distance, which can increase the risk of a crash.

**Description of the Cause :** NR

**Identification of Any Warning that can Occur :** If brake assist output drops below a predetermined level, the red brake system warning indicator will illuminate and the driver will receive an audible buzzer.

### Involved Components :

**Component Name 1 :** Booster Assy Brake, Hyd.

**Component Description :** Hydraulic Brake Booster Assembly

**Component Part Number :** 47210 4BC8A

### Supplier Identification :

#### Component Manufacturer

**Name :** ADVICS North America, Inc.

**Address :** 1650 Kingsview Drive  
Lebanon Ohio 45036

**Country :** United States

### Chronology :

May 2022 – Nissan investigated reports of loss of hydraulic brake assist in Japan market involving the subject vehicles, which Nissan did not believe represented an unreasonable risk to safety. Nissan discussed a proposed service campaign with the Japanese authorities (Ministry of Land, Infrastructure, Transport and Tourism - MLIT).

On June 8, 2022, Nissan expanded its investigation to include the impact to markets outside of Japan, specifically in the U.S. and Mexico.

June 2022 through July 2022 - Nissan analyzed the potential conditions that could result from this specific loss of hydraulic brake assist and the potential risk to safety. Nissan confirmed that it had no reports directly

attributable to the subject condition in the U.S.

July 21, 2022 – Because a non-compliance could not be ruled out, Nissan decided to conduct a safety recall campaign in the U.S. market to remedy the subject vehicles.

### Description of Remedy :

Description of Remedy Program : The Nissan dealer will replace the hydraulic brake booster supply unit. This free service could take up to three and a half (3.5) hours to complete but your Nissan dealer may require your vehicle for a longer period of time based upon their work schedule.

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 on July 29, 2022. Nissan mailed interim notification letters to all affected owners beginning September 22, 2022. Owners of potentially affected vehicles will receive an invitation to repair owner letter on October 31, 2022

Planned Dealer Notification Date : JUL 29, 2022 - NR

Planned Owner Notification Date : OCT 31, 2022 - NR

\* NR - Not Reported