



Nissan North America, Inc.

One Nissan Way
Franklin, TN 37067

Mailing Address:
PO Box 685001
Franklin, TN 37068

July 28, 2022

Ms. Anne Collins
Associate Administrator for Enforcement
National Highway Traffic Safety Administration
Attn: Recall Management Division (NVS-215)
Room W48-302
1200 New Jersey Avenue, SE
Washington, D.C. 20590

Dear Ms. Collins:

We are transmitting the enclosed Non-Compliance Information Report in accordance with 49 CFR Part 573. A voluntary recall campaign will be initiated and your office provided with the notices.

Very truly,

A handwritten signature in black ink, appearing to read "Will Swindell".

Will Swindell
Manager,
Technical Compliance

Encl.

NONCOMPLIANCE INFORMATION REPORT

1. Manufacturer:

Nissan North America Inc., Smyrna, TN plant

2. Vehicles Potentially Involved:

Certain Model Year 2017-2019 Nissan Rogue Hybrid vehicles manufactured from July 26, 2016 to December 12, 2018 at the Smyrna, TN plant.

This issue only affects hybrid models with the subject hydraulic brake unit. The defect (described in Section 5 below) is unique to these models and dates of manufacture; no other Nissan (or INFINITI) vehicles are affected.

The name, description and part number(s) of the recalled component(s) are below.

<u>Part Name</u>	<u>Part Description</u>	<u>Part Number(s)</u>
Booster Assy Brake, Hyd.	Hydraulic Brake Booster Assembly	47210 4BC8A

The name and address of the subject component supplier is:

ADVICS North America, Inc.
1650 Kingsview Drive
Lebanon, Ohio 45036

Jim Cole, Sr. Manager Quality Assurance
Phone: (513) 696-5467
Cell: (859) 512-0338
Fax: (513) 696-5451
james.cole@advics.com

3. Total Number of Vehicles Potentially Involved:

Approximately 5,904 Nissan Rogue Hybrid vehicles may be affected

4. Percentage of Vehicles Estimated to Actually Contain the Noncompliance:

1%. The estimated percentage of vehicles involved with defect is unknown; 1% is used here because submission within NHTSA's safety portal will not allow a non-numeric value.

5. 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. Reduced brake assist may result in increased stopping distance, which can increase the risk of a crash.

6. Basis for Determination of the Existence of a Noncompliance:

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.

7. Description of Corrective Action:

A remedy plan for all affected vehicles is currently under development. Dealers will be notified on July 29, 2022. Nissan will mail interim notification letters to all affected owners beginning September 22, 2022.

When the final remedy plan is available, Nissan will mail final remedy notification letters and include a statement concerning reimbursement for the cost of obtaining a pre-notification remedy for those subject vehicles that are no longer under warranty.

8. Copy of Notices:

Copies of all notices will be provided to NHTSA as they become available.