



Nissan North America, Inc.

One Nissan Way
Franklin, TN 37067

Mailing Address:
PO Box 685001
Franklin, TN 37068

November 22, 2023

Dr. Cem Hatipoglu
Acting 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 Dr. Hatipoglu:

We are transmitting the enclosed Defect Information Report in accordance with 49 CFR Part 573. This Defect Information Report concerns two (2) MY 2021 Rogue vehicles recalled to inspect and replace the left and right rear brake calipers. The two specific Rogue vehicles in scope of this recall were previously recalled and inspected under Recall 21V-286; however, they were released without replacing the rear brake calipers.

Very truly,

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

Will Swindell
Manager,
Technical Compliance

Encl.

DEFECT INFORMATION REPORT

1. Manufacturer:

Nissan North America, Inc., Smyrna Plant

2. Vehicles Potentially Involved:

The vehicles subject to this report were previously recalled vehicles that were judged not to need a rear brake caliper replacement. The production period for the previously inspected vehicles includes certain Model Year 2021 Nissan Rogue vehicles manufactured from January 9, 2021 to February 24, 2021 at the Smyrna, TN plant.

Certain Model Year 2021 Nissan Rogue vehicles that were released without replacing the rear brake calipers were produced from January 22, 2021 to January 29, 2021 at the Smyrna, TN plant.

Based on production records, this issue (as described in Section 5 below) is unique to Model Year 2021 Nissan Rogue vehicles manufactured during the timeframe that the technician error occurred. No other Nissan or INFINITI vehicles are affected.

The name, description and part number of the subject components are below:

<u>Part Name</u>	<u>Part Description</u>	<u>Part Number</u>
Caliper Assy Disc Brake W/EPB (RH)	Right Hand Brake Caliper Assembly	44000-6RA0C
Caliper Assy Disc Brake W/EPB (LH)	Left Hand Brake Caliper Assembly	44010-6RA0C

Manufacturer of the subject equipment:

ADVICS Manufacturing
1784003 Avenida Cazcanes 2210
Parque Industrial Colinas de Lagos
Zip Code: 47515, Lagos de Moreno, Jalisco, México

Ron Bogan
Director of Operation
Email: Ron.Bogan@advics.com
Phone: +1 (812)244-9695

3. Total Number of Vehicles Potentially Involved:

Approximately two (2) MY 2021 Nissan Rogue vehicles total.

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

100%.

5. Description of the Defect:

Due to a manufacturing error at the supplier (ADVICS), certain Rogue vehicles may be missing an internal bushing in the rear left and/or right brake caliper assembly. A technician at the supplier did not initiate the automatic cycle for inserting the bushing in production. The Programmable Logic Controller (PLC) did not detect the missing bushing because the process verification logic had been inadvertently deleted due to a 4M change. As a result, the brake caliper parts continued through the production line without the bushing inserted.

The brake caliper bushing serves as a guide for the bolt nut shaft and keeps the O-ring seal in place. Without the bushing in place, the O-ring seal can move and become deformed in-between the cast surface and the bolt nut, resulting in a brake fluid leak path. Normal application of the brakes can lead to an external brake fluid leak that may cause an electrical short of the Motor Gear Unit components, resulting in a dash warning light. The brake fluid leak can cause reduced braking performance without warning, which could increase the risk of crash.

6. Chronology of Principal Events:

February 18, 2021 – Nissan received notification from ADVICS about a brake caliper leak during high pressure testing. Subsequent investigation of the part by ADVICS revealed that a bushing was missing on the bolt nut shaft.

Nissan worked with the ADVICS to identify the cause and consequence of the issue. As a precaution, Nissan initiated a yard hold on all potentially affected vehicles at the Smyrna, TN plant while- ADVICS conducted their investigation.

March 2021 through April 2021 – ADVICS determined that the issue was due to a technician error. The technician did not initiate the automatic cycle for inserting the bushing in production. The PLC did not detect the missing bushing because the process verification logic was inadvertently deleted due to a 4M change.

Based on the suspect window information provided by ADVICS, Nissan conducted a plant audit to inspect 80 units and found 28 brake caliper assemblies with missing bushings.

April 15, 2021 - Nissan decided to conduct a safety recall to remedy the issue.

September 2023 - During a routine test drive on a pre-production trial vehicle, Nissan identified a small brake fluid leak from the right rear brake caliper on a MY 2021 Rogue vehicle. Nissan launched an investigation, together with the supplier, into the cause of the leak.

October 2023 - The supplier investigation revealed that an internal bushing was missing on the bolt nut shaft, which appeared to be similar to the defect from the previous recall (21V-286). The supplier reviewed the serial numbers from the inspected parts against the serial numbers for Recall 21V-286 and determined that three (3) additional suspect serial numbers had not been included as part of the previous recall.

November 2023 - Nissan reviewed the additional serial numbers the supplier provided and investigated the impact of these missing serial numbers on the rear brake caliper inspection procedure for Recall 21V-286. Based on internal records, Nissan was able to trace the serial numbers to the Nissan pre-production trial vehicle and two (2) potentially affected vehicles which had been inspected under Recall 21V-286.

November 15, 2023 - Out of abundance of caution, Nissan decided to conduct a Voluntary Safety Recall to replace the left and right rear brake calipers on the two (2) vehicles that were previously inspected and judged not to need a brake caliper replacement under Recall 21V-286.

Nissan is not aware of any warranty claims, accident or injuries related to the subject condition.

7. Description of Corrective Action:

Dealers will be notified of the new recall beginning November 28, 2023. The two (2) owners of the previously inspected vehicles that were judged not to need a rear brake caliper replacement will be notified beginning on January 10, 2024 to bring their Rogue to a Nissan dealer for repair. Dealers will be instructed to replace both left and right rear brake calipers. All repairs will be performed free of charge for parts and labor and may take up to two (2) 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.

8. Copy of Notices:

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