



Nissan North America, Inc.

One Nissan Way
Franklin, TN 37067

Mailing Address:
PO Box 685001
Franklin, TN 37068

April 22, 2021

Mr. Jeff Giuseppe
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 Mr. Giuseppe:

We are transmitting the enclosed Defect 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 "Derek Latta", with a long horizontal flourish extending to the right.

Derek Latta
Manager,
Technical Compliance

Encl.

DEFECT INFORMATION REPORT

1. Manufacturer:

Nissan North America, Inc., Smyrna Plant

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

2. Vehicles Potentially Involved:

Certain Model Year 2021 Nissan Rogue vehicles manufactured in the Smyrna, TN plant from January 9, 2021 to February 24, 2021.

Based on production records, this issue is unique to Model Year 2021 Nissan Rogue vehicles manufactured during the timeframe that the technician error occurred.

ADVICS also assembles brake calipers for upcoming MY2022 Nissan Pathfinder and MY2022 INFINITI QX60 vehicles. Because these new models are currently in production trials, all new model suspect parts were collected prior to outflow. 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(s)</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 |

3. Total Number of Vehicles Potentially Involved:

Approximately 14,054 Nissan Rogue vehicles may be affected.

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

Approximately 0.37%

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.

Nissan is not aware of any warranty claims attributed to the subject condition mentioned above.

7. Description of Corrective Action:

Dealers will be notified beginning April 23, 2021. Owners of all potentially affected vehicles will be notified beginning on June 10, 2021, to bring their vehicle to the dealer for inspection and, if necessary, repair. Dealers will use a barcode scanner to scan the VIN and also scan the QR code on both left and right rear brake calipers. If the caliper serial number is confirmed to be affected, they will replace it.

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

8. Copy of Notices:

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