

Part 573 Safety Recall Report

21V-286

Manufacturer Name : Nissan North America, Inc.

Submission Date : APR 22, 2021

NHTSA Recall No. : 21V-286

Manufacturer Recall No. : PC804



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 : 14,054

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2021-2021 Nissan Rogue

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : 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.

Production Dates : JAN 09, 2021 - FEB 24, 2021

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

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.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : 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.

Description of the Cause : NR

Identification of Any Warning that can Occur : A brake fluid leak leading to an electrical short with illuminate a warning light on the dash

Involved Components :

Component Name 1 : Caliper Assy Disc Brake W/EPB (RH)

Component Description : Right Hand Brake Caliper Assembly

Component Part Number : 44000-6RA0C

Component Name 2 : Caliper Assy Disc Brake W/EPB (LH)

Component Description : Left Hand Brake Caliper Assembly

Component Part Number : 44010-6RA0C

Supplier Identification :

Component Manufacturer

Name : ADVICS Manufacturing

Address : 1784003 Avenida Cazcanes 2210

Parque Industrial Colinas de Lagos Lagos de Moreno, Jalisco Foreign States 47515

Country : Mexico

Chronology :

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.

Description of Remedy :

Description of Remedy Program : 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.

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 beginning April 23, 2021. Owners of all potentially affected vehicles will be notified beginning on June 10, 2021.

Planned Dealer Notification Date : APR 23, 2021 - NR

Planned Owner Notification Date : JUN 10, 2021 - NR

* NR - Not Reported