



Nissan North America, Inc.

One Nissan Way
Franklin, TN 37067

Mailing Address:
PO Box 685001
Franklin, TN 37068

May 22, 2023

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 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 "Will Swindell".

Will Swindell
Manager,
Technical Compliance

Encl.

DEFECT INFORMATION REPORT

1. Manufacturer:

Nissan North America, Inc., Smyrna Plant

2. Vehicles Potentially Involved:

Model Year 2023 Nissan LEAF vehicles as shown in the table below:

<u>Model</u>	<u>Dates of Manufacture</u>	<u>Plant</u>
MY 2023 Nissan LEAF	December 7, 2022 to January 11, 2023	Smyrna

Based on NNA-Smyrna production records, the subject right-hand brake tubes may have been used in brake assembly production for certain MY 2023 LEAF vehicles, manufactured during the specified time period outlined above. 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>
Brake Tube Assembly	TUBE ASSY – BRAKE, RH	46240 5SA0A

The brake tube supplier (Tier 1) for the affected vehicles:

Sanoh America, Inc.
103 Thomas French Drive
Scottsboro, Alabama 35769

Rick Fields, Quality Director
Phone: (256) 575 - 0100
Email: Rick.Fields@sanoh-america.com

3. Total Number of Vehicles Potentially Involved:

Approximately 758 MY 2023 Nissan LEAF vehicles total.

<u>Model</u>	<u>Volume of Production</u>
MY 2023 Nissan LEAF	758

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

Approximately 3%.

5. Description of the Defect:

Certain right-hand brake tubes may have been damaged due to incorrect tool clamping that occurred during a limited production run at the supplier. Over time, the damaged brake tube may become corroded which could lead to a hole in the brake line. If this occurs, the affected vehicles may develop a brake fluid leak that could result in reduced braking performance. Reduced braking performance can potentially lead to extended stopping distance without prior warning, which could increase the risk of a crash.

6. Chronology of Principal Events:

January 13, 2023 – A Nissan technician discovered damage on a right-hand brake tube assembly system being installed on a MY 2023 Nissan LEAF. Nissan collected the part and began an investigation.

January 27, 2023 - Nissan and the supplier conducted a parts audit of 975 brake assemblies and discovered damage on twenty-five (25) right-hand brake tubes at the actuator connection bend. Additionally, Nissan conducted a yard audit of 395 vehicles and reported five (5) with a scratched or damaged right hand brake tube. These parts were quarantined and the vehicles were put on a quality hold.

February 3, 2023 - The supplier's investigation determined that incorrect tooling was used to align the brake tube into the pipe bending jig. Because the brake tube was misaligned, the tooling clamped the pipe in the incorrect position and caused scratching and in some cases deformation of the tube at the actuator bend.

February 2023 through April 2023 - Concurrently, Nissan investigated the impact of the damaged brake tube condition. As part of the assessment, Nissan performed corrosion and stress tests on two (2) of the worst case condition parts to evaluate the effect of the damaged brake tube on brake performance over time. Nissan concluded that the brake performance could be degraded and could lead to extended stopping distances possibly without prior warning.

May 15, 2023 - Nissan decided to conduct a Voluntary Safety Recall to recall all potentially affected LEAF vehicles to inspect the right-hand brake tube and replace any damaged brake tube assemblies.

Nissan is not aware of any warranty claims attributed to this condition. Nissan is also not aware of any reported accidents or injuries.

7. Description of Corrective Action:

Dealers will be notified beginning May 23, 2023. Owners of all potentially affected vehicles will be notified beginning July 7, 2023. Dealers will be instructed to inspect the right-hand brake tube for damage and, if necessary, replace the affected brake tube. All repairs will be performed free of charge for parts and labor and may take up to one (1) hour to complete if brake tube replacement is required.

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.