



Nissan North America, Inc.

One Nissan Way
Franklin, TN 37067

Mailing Address:
PO Box 685001
Franklin, TN 37068

March 20, 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:

COMPAS Aguascalientes Plant, Mexico

2. Vehicles Potentially Involved:

Certain MY2022 INFINITI QX50 and MY2023 INFINITI QX55 vehicles as shown in the table below:

<u>Model</u>	<u>Dates of Manufacture</u>	<u>Plant</u>
MY 2023 INFINITI QX55	July 26, 2022 to August 9, 2022	COMPAS
MY 2022 INFINITI QX50	June 27, 2022 to August 9, 2022	COMPAS

Based on the Tier 1 (Mitsui) supplier records, the issue occurred due to a material handling error on production door latches installed in specific front right-hand door lock assemblies that were later installed on certain MY 2022 QX50 and MY 2023 QX55 vehicles. These vehicles were 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>
Lock Assy	Front RH Market Door Latch	80500 5NA0B

The door lock assembly supplier (Tier 1) for the affected vehicles:

Mitsui Kinzoku ACT Mexicana S.A. DE C.V.

Supplier Code: 3497

Paseo de las colinas #207, Parque Industrial Las Colinas CP 36113. Silao de la Victoria, Guanajuato México

Mr. Masato Mochizuki, Director of Quality

(477) 180 - 9833

masato_mochizuki@mitsui-kinzoku.com

3. Total Number of Vehicles Potentially Involved:

Approximately forty-eight (48) MY 2022-2023 INFINITI QX50 and QX55 vehicles total.

<u>Model</u>	<u>Volume of Production</u>
MY 2023 INFINITI QX55	22
MY 2022 INFINITI QX50	26

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

50%

5. Description of the Defect:

On certain INFINITI QX55 and QX50 vehicles, the incorrect door latch may have been installed in the front right-hand door lock assembly. Due to a material handling error at the supplier, the incorrect latch was loaded into the door lock production line. As a result, the front right-hand passenger door lock will not automatically lock. If the incorrect door lock assembly is installed, the latch may unlock during a crash event, potentially increasing the risk of injury to the occupant.

6. Chronology of Principal Events:

August 9, 2022 – During a routine plant quality audit, a technician noticed the door lock on a Model Year 2023 INFINITI QX55 vehicle did not remain locked when the automatic door lock is applied. Nissan initiated containment measures and immediately began an investigation.

August 2022 through September 2022 – Nissan and the supplier conducted yard audits totaling 585 vehicles and identified forty (40) front right-hand passenger door lock assemblies with the subject condition.

The supplier continued investigation of the issue and determined that door latches specified for the China market were inadvertently used for the door lock assembly line for U.S. market.

After the supplier's determination, Nissan initiated a safety assessment to evaluate the impact of an incorrect door latch on the operation of the front passenger door lock assembly.

October 2022 through December 2022 - Initial analysis of the subject latches showed the incorrect specification may cause a reduction in the necessary resistance to the force required for the door latch to open. Nissan's initial Computer-Aided Engineering (CAE) modeling, which was intended to determine how the reduction in resistance of the China market latch affected the door lock performance during a crash, was inconclusive.

As such, Nissan started initial preparations to conduct a vehicle test to evaluate the subject latch performance during a crash.

January 2023 through February 2023 – During preparations to conduct vehicle testing, Nissan elected to use engineering judgment. Nissan determined that the reduction in resistance required for the door latch to open represented a potential risk to safety, if the door lock were to open during a crash.

March 13, 2023 – Based on engineering judgement and out of an abundance of caution, Nissan decided to conduct a Voluntary Safety Recall, to remedy all potentially affected vehicles.

Nissan is not aware of any warranty claims attributed to this condition.

7. Description of Corrective Action:

Dealers will be notified beginning March 21, 2023. Owners of all potentially affected vehicles will be notified beginning May 14, 2023. Dealers will replace the front right-hand passenger door lock assembly. All repairs will be performed free of charge for parts and labor and may take up to one (1) hour 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.