

Part 573 Safety Recall Report

23V-187

Manufacturer Name : Nissan North America, Inc.**Submission Date :** MAR 20, 2023**NHTSA Recall No. :** 23V-187**Manufacturer Recall No. :** PC962**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 : 48

Estimated percentage with defect : 50 %

Vehicle Information :

Vehicle 1 : 2022-2022 INFINITI QX50

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : 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.

Production Dates : JUN 27, 2022 - AUG 09, 2022

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2023-2023 INFINITI QX55

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : 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.

Production Dates : JUL 26, 2022 - AUG 09, 2022

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Description of Defect :

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.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : 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.

Description of the Cause : NR

Identification of Any Warning that can Occur : The customer may notice the front passenger door lock unlocked when automatic locks are applied.

Involved Components :

Component Name 1 : Lock Assy

Component Description : Front RH Market Door Latch

Component Part Number : 80500 5NA0B

Supplier Identification :**Component Manufacturer**

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

Address : Paseo de las colinas #207

Parque Industrial Las Colinas CP Silao de la Victoria Foreign States 36113

Country : Mexico

Chronology :

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.

Description of Remedy :

Description of Remedy Program : 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.

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 March 21, 2023. Owners of all potentially affected vehicles will be notified beginning May 14, 2023.

Planned Dealer Notification Date : MAR 21, 2023 - NR

Planned Owner Notification Date : MAY 14, 2023 - NR

* NR - Not Reported