

Part 573 Safety Recall Report

21V-402

Manufacturer Name : Nissan North America, Inc.

Submission Date : MAY 27, 2021

NHTSA Recall No. : 21V-402

Manufacturer Recall No. : NR



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 : 14,276

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2020-2020 Nissan Murano

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : The defect is unique to parts manufactured in the Number 3 furnace at the Yokohama plant that were subsequently shipped to other plant locations. These parts are identifiable by specific production date ranges shown above and contain a unique casting stamp. No other Nissan or INFINITI vehicles are affected.

Production Dates : AUG 31, 2020 - SEP 16, 2020

VIN Range 1 : Begin : NR

End : NR

☐ Not sequential

Vehicle 2 : 2021-2021 INFINITI QX50

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : The defect is unique to parts manufactured in the Number 3 furnace at the Yokohama plant that were subsequently shipped to other plant locations. These parts are identifiable by specific production date ranges shown above and contain a unique casting stamp. No other Nissan or INFINITI vehicles are affected.

Production Dates : AUG 31, 2020 - OCT 31, 2020

VIN Range 1 : Begin : NR

End : NR

☐ Not sequential

Vehicle 3 : 2021-2021 Nissan GT-R

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : The defect is unique to parts manufactured in the Number 3 furnace at the Yokohama plant that were subsequently shipped to other plant locations. These parts are identifiable by specific production date ranges shown above and contain a unique casting stamp. No other Nissan or INFINITI vehicles are affected.

Production Dates : AUG 24, 2020 - OCT 13, 2020

VIN Range 1 : Begin : NR

End : NR

☐ Not sequential

Vehicle 4 : 2021-2021 INFINITI Q50

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : The defect is unique to parts manufactured in the Number 3 furnace at the Yokohama plant that were subsequently shipped to other plant locations. These parts are identifiable by specific production date ranges shown above and contain a unique casting stamp. No other Nissan or INFINITI vehicles are affected.

Production Dates : AUG 20, 2020 - OCT 23, 2020

VIN Range 1 : Begin : NR

End : NR

☐ Not sequential

Vehicle 5 : 2020-2020 INFINITI QX60

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : The defect is unique to parts manufactured in the Number 3 furnace at the Yokohama plant that were subsequently shipped to other plant locations. These parts are identifiable by specific production date ranges shown above and contain a unique casting stamp. No other Nissan or INFINITI vehicles are affected.

Production Dates : SEP 22, 2020 - OCT 29, 2020

VIN Range 1 : Begin : NR

End : NR

☐ Not sequential

Description of Defect :

Description of the Defect : During the heat-treating process for the subject components, a gap in the furnace door caused the temperature to decrease in a specific area of the furnace. Those axle components located in the low temperature area of the furnace experienced an insufficient amount of heat, resulting in poor hardness. The specific components affected are installed on certain vehicles as the front steering knuckle and/or rear axle housing.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the front steering knuckle or rear axle housing receives a strong impact (such as hitting a curb), the steering knuckle or rear axle housing may deform due to low hardness. As a result, the steering wheel may become off-center, impairing the customer's ability to steer the vehicle or, in the case of rear axle housing, cause wheel mis-alignment. If the deformation is not detected and the vehicle continues to be operated, the damaged steering knuckle or rear axle housing may cause wheel separation from the vehicle

Description of the Cause : NR

Identification of Any Warning that can Occur : The customer may notice the steering wheel is off-center while driving.

Involved Components :

Component Name 1 : SPINDLE-KNUCKLE

Component Description : Front steering knuckle

Component Part Number : 40014/5-4GA0A

Component Name 2 : SPINDLE-KNUCKLE

Component Description : Front steering knuckle

Component Part Number : 40014/5-JF00A

Component Name 3 : KNUCKLE SPINDLE

Component Description : Front steering knuckle spindle

Component Part Number : 40014/5-5NA0A

Component Name 4 : HOUSING ASSY-REAR AXLE

Component Description : Rear Axle Housing Assembly

Component Part Number : 43018/9-5NA0A

Component Name 5 : HOUSING-REAR AXLE

Component Description : Rear Axle Housing

Component Part Number : 43018/9-1AA0A

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

October 2020 – Nissan became aware of an issue in certain front steering knuckles and rear axle housings manufactured at the Yokohama, Japan Plant. The subject steering knuckles and axle housings were determined to be out-of-specification for hardness. All of the subject parts were produced in the same furnace.

Nissan conducted a plant audit and performed recreation testing, which determined that an issue with a gap in a particular furnace's door caused a low temperature condition that produced low hardness in certain axle components that were heat treated.

November 2020 through January 2021 - Nissan began an investigation to determine if the issue affected vehicles sold in the U.S. In addition, Nissan conducted durability testing on the subject axle components on certain INFINITI Q50 vehicles to determine the extent of the issue.

The initial testing as it relates to part failure was inconclusive. Nissan decided to expand the durability testing to other potentially affected models that utilized the same axle components.

February 2021 through April 2021 – As part of the expanded investigation, Nissan increased the severity of the testing to determine the safety risk of a potential failure, allowing for structural and size differences for various models. The extensive testing included five (5) different Nissan and INFINITI models.

May 20, 2021 – Based on the testing results, Nissan decided to conduct a safety recall campaign to remedy affected vehicles.

Nissan is not aware of any incidents related to the subject condition in the U.S. market.

Description of Remedy :

Description of Remedy Program : The dealer (or retailer) will inspect the casting stamp of the front steering knuckle and/or rear axle housing for production date. If any of the components are affected, the dealer will replace the affected parts. This repair will be performed free of charge for the customer.

We will not include a statement in the Part 577 owner notification concerning reimbursement for the cost of obtaining a pre-notification remedy as the subject vehicles 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 on June 8, 2021. Nissan will begin notifying all affected vehicle owners by first class mail beginning July 23, 2021.

Planned Dealer Notification Date : JUN 08, 2021 - NR

Planned Owner Notification Date : JUL 23, 2021 - NR

* NR - Not Reported