Part 573 Safety Recall Report 21V-373

Manufacturer Name : Nissan North America, Inc.
Submission Date : MAY 20, 2021
NHTSA Recall No. : 21V-373
Manufacturer Recall No. : PC791

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 : 24,140
Estimated percentage with defect : 5 %

Vehicle Information :

Vehicle 1 : 2020-2021 Nissan Armada
Vehicle Type : LIGHT VEHICLES
Body Style : SUV
Power Train : GAS
Descriptive Information : This issue only affects Nissan Armada and INFINITI QX80 vehicles equipped with V8 engines. No other Nissan or INFINITI models with the subject fuel pump are affected because this issue occurred in specific LOT numbers identified by the fuel pump supplier (TI Fluid Systems).

TI Fluid Systems provides a similar fuel pump design for certain Frontier, Titan and NV3500 vehicles. However, the pump module in those models is assembled by another supplier with a different impeller specification that is unaffected by the issue.

Production Dates : OCT 05, 2019 - APR 02, 2020
VIN Range 1 : Begin : NR End : NR ☐ Not sequential

Vehicle 2 :	2020-2021 INFINITI QX80
Vehicle Type :	LIGHT VEHICLES
Body Style :	SUV
Power Train :	GAS
Descriptive Information :	This issue only affects Nissan Armada and INFINITI QX80 vehicles equipped with V8 engines. No other Nissan or INFINITI models with the subject fuel pump are affected because this issue occurred in specific LOT numbers identified by the fuel pump supplier (TI Fluid Systems). TI Fluid Systems provides a similar fuel pump design for certain Frontier, Titan and NV3500 vehicles. However, the pump module in those models is assembled by another supplier with a different impeller specification that is unaffected by the issue.
Production Dates :	OCT 05, 2019 - APR 02, 2020

VIN Range 1 : Begin : NR End : NR ☐ Not sequential

Description of Defect :

Description of the Defect :	Due to a supplier manufacturing issue, the fuel pump module may not have been manufactured to design specification on certain affected vehicles. More specifically, during the impeller manufacturing process, a buildup of molten plastic on the injection molding machine cylinder tip caused the part density of the impeller to be out-of-specification. Gasoline inside of the fuel pump can cause the impeller to swell, increasing frictional resistance between the swollen impeller and the inlet cover.
FMVSS 1 :	NR
FMVSS 2 :	NR
Description of the Safety Risk :	As a result of the resistance between the swollen impeller and inlet cover, the fuel pump module may bind internally; which can result in an engine stall while driving and increase the risk of a crash.
Description of the Cause :	NR
Identification of Any Warning that can Occur :	There is no preceding warning.

Involved Components :

Component Name 1 :	PUMP COMPL-FUEL
Component Description :	Fuel Pump Module
Component Part Number :	A7040-3ZD0B

Supplier Identification :

Component Manufacturer

Name : TI Fluid Systems

Address : No.6 Yasuda Building 4F 3-29-1
Tsuruyacho, Kanagawa-ku, Yokohama Kanagawa Foreign States 221-0835

Country : Japan

Chronology :

June 2020 through November 2020 - Nissan learned of a potential fuel pump issue on certain vehicles produced by Nissan Shatai for the Gulf Cooperation Council (GCC) market and initiated an investigation. The investigation in the GCC market determined that a manufacturing issue at the supplier led to certain fuel pump impellers being manufactured out-of-specification. This issue could cause the impeller to swell and the fuel pump module to bind internally, resulting in a no-start condition or an engine stall while driving.

December 2020 through March 2021 - As part of the initial investigation in the GCC market, Nissan conducted a field action to collect parts from dealer inventory vehicles and perform duplication testing to identify the scope of the issue. Based on the results of the parts collection activity and traceability records provided by TI Fluid Systems, Nissan determined that certain vehicles that share a similar impeller design to vehicles in the GCC market may be affected.

March 2021 through April 2021 - Nissan began an investigation into U.S. market vehicles to determine if the issue affected vehicles sold in the U.S.

May 13, 2021 - Nissan made a decision to recall all potentially affected vehicles to remedy the issue.

Nissan is not aware of any engine stall while driving incidents related to this issue in the U.S. market.

Description of Remedy :

Description of Remedy Program :	Owners of all potentially affected vehicles will be notified to bring their vehicle to the dealer for repair. Dealers will replace the fuel pump module. 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 June 2, 2021. Owners of all potentially affected vehicles will be notified within 60 days, to bring their vehicle to the dealer for repair.
Planned Dealer Notification Date :	JUN 02, 2021 - NR
Planned Owner Notification Date :	JUL 20, 2021 - NR

* NR - Not Reported