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**Nissan North America, Inc.**

One Nissan Way  
Franklin, TN 37067

Mailing Address:  
PO Box 685001  
Franklin, TN 37068

May 20, 2021

Mr. Jeff Giuseppe  
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 Mr. Giuseppe:

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 "Derek Latta".

Derek Latta  
Manager,  
Technical Compliance

Encl.

## **DEFECT INFORMATION REPORT**

1. Manufacturer:

Nissan Shatai Co. Ltd., Kyushu plant  
Nissan Shatai Co. Ltd., Shonan plant

2. Vehicles Potentially Involved:

Production period of affected vehicles involved:

<b><u>Model</u></b>	<b><u>Dates of Manufacture</u></b>
MY 2020-2021 Nissan Armada	October 5, 2019 to April 2, 2020
MY 2020-2021 INFINITI QX80	October 5, 2019 to April 2, 2020

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 described in Section 5 below.

The name, description and part number of the subject components are below:

<b><u>Part Name</u></b>	<b><u>Part Description</u></b>	<b><u>Part Number(s)</u></b>
PUMP COMPL-FUEL	Fuel Pump Module	A7040-3ZDOB

The name and address of the fuel pump supplier is:

TI Fluid Systems  
No.6 Yasuda Building 4F 3-29-1 Tsuruyacho,  
Kanagawa-ku, Yokohama,  
Kanagawa 221-0835, Japan

Katsumi Furuta  
Customer Quality Manager, Fuel Tank & Delivery Systems Division  
Phone: +81(0)45 317 7751  
Mobile: +81(0)80 3634 7038  
Email: kfuruta@tifs.com

3. Total Number of Vehicles Potentially Involved:

Approximately 24,140 vehicles shown in the table(s) below:

<b><u>Make/Model</u></b>	<b><u>Number of Vehicles</u></b>
MY 2020-2021 Nissan Armada	14,221
MY 2020-2021 INFINITI QX80	9,919

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

Approximately 1.5% for Armada

Approximately 4.5% for QX80

5. 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. As a result, the fuel pump module may bind internally, which can result in an engine stall while driving and increase the risk of a crash.

6. Chronology of Principal Events:

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.

7. Description of Corrective Action:

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. 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.

8. Copy of Notices:

Copies of all notices will be provided to NHTSA as they become available.