



April 18, 2019

Mr. Gregory K. Rea
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 Sir:

We are transmitting the enclosed Non-Compliance Information Report in accordance with 49 CFR Part 573. A voluntary recall campaign will be initiated and your office provided with the notices. Nissan plans to notify dealers on April 19, 2019 and will notify all affected owners within sixty (60) days of NCIR submission.

Very truly,

A handwritten signature in black ink, appearing to read "Derek Latta", with a long horizontal line extending to the right.

Derek Latta
Manager,
Technical Compliance

Encl.

NONCOMPLIANCE INFORMATION REPORT

1. Manufacturer:

Nissan North America, Inc., Smyrna Plant
Nissan North America, Inc., Canton Plant

2. Vehicles Potentially Involved:

Certain Model Year 2019 Altima front-wheel-drive (FWD) vehicles equipped with 2.5 Liter engines manufactured from February 20, 2019 to February 21, 2019 at the Smyrna, TN plant and during manufacture from February 22, 2019 to March 1, 2019 at the Canton, MS plant.

The supplier of the fuel tank assembly is:

Plastic Omnium
200 Sam Griffin Road
Smyrna, TN 37167
Kevin Slusser, Quality Manager
(248) 219-7192
kevin.slusser@plasticomnium.com

The name, description and part number(s) of the fuel tank assembly is below:

<u>Part Name</u>	<u>Part Description</u>	<u>Part Number(s)</u>
PUMP COMPL-FUEL	Fuel Pump Module	17040 6CA0A
PACKING-FUEL GAUGE	Fuel Pump Seal Pack	17342 4KH0A

3. Total Number of Vehicles Potentially Involved:

Approximately 347 Model Year 2019 Nissan Altima vehicles are affected.

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

100%

5. Description of the Noncompliance:

On some of the affected vehicles, the fuel pump lock ring that secures the fuel pump module to the fuel tank may have been installed incorrectly during production. More specifically, the lock ring may not have been completely engaged during re-installation following offline rework at the supplier. If the fuel pump lock ring is not fully engaged, the condition could result in a fuel odor, rattle noise, Malfunction Indication Lamp (MIL) illumination and/or fuel leakage. Under this condition, the affected vehicle may not

comply with certain performance requirements of Federal Motor Vehicle Safety Standards (FMVSS) No. 301; Fuel System Integrity.

6. Basis for Determination of the Existence of a Noncompliance

On March 8, 2019, during an end-of-line test, a Nissan Altima (FWD) vehicle failed a fuel leak test. Analysis of the subject fuel tank assembly revealed that the fuel pump lock ring was separated from the fuel tank retainer ring, and the fuel pump module was disengaged from the fuel tank sealing O-ring. Nissan immediately began an investigation of the issue to determine the root cause.

The investigation revealed that the supplier had deviated from the normal automated re-assembly process, relying only on manual tightening and visual inspections to secure the fuel pump during an offline rework of certain fuel tanks.

March 8, 2019 through March 19, 2019 – Nissan worked with the supplier to update the quality standard plan to include validation on all offline rework activities, rather than using only a visual inspection process. All fuel tanks must now re-enter the automated process to re-install the lock ring and pass a helium leak check.

During this time, Nissan verified all available offline inspection fuel tanks for proper lock ring engagement.

On April 11, 2018, Nissan determined that a small number of potentially affected vehicles left Nissan's control and the affected vehicles may not comply with FMVSS No. 301; Fuel System Integrity. As such, Nissan made a decision to recall the affected vehicles to inspect, and if necessary, remedy the issue.

Nissan is not aware of any warranty claims or other reported incidents attributed to this condition.

7. Description of Corrective Action:

Nissan will notify all owners of potentially affected vehicles within sixty (60) days requesting that they take their vehicle to a Nissan dealer where the dealer will inspect the fuel pump assembly for proper fuel pump lock ring engagement. If partially disengaged, the dealer will tighten the fuel pump lock ring using a special tool, to the correct specification.

If the fuel pump lock ring is completely disengaged, the dealer will replace the O-ring and fuel pump module before tightening the fuel pump lock ring to the correct specification using a special tool.

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 under warranty.

8. Copy of Notices:

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