

# Part 573 Safety Recall Report

# 19V-316

**Manufacturer Name :** Nissan North America, Inc.

**Submission Date :** APR 18, 2019

**NHTSA Recall No. :** 19V-316

**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 :** 374

**Estimated percentage with defect :** 100 %

## Vehicle Information :

**Vehicle 1 :** 2019-2019 Nissan Altima

**Vehicle Type :** LIGHT VEHICLES

**Body Style :** 4-DOOR

**Power Train :** GAS

**Descriptive Information :** This report applies only to certain 2019 Nissan Altima front-wheel-drive (FWD) vehicles equipped with 2.5 Liter engines that were removed from the production line for an offline rework of their fuel tanks. Vehicles manufactured outside the above production ranges are unaffected, based on plant and supplier production records.

**Production Dates :** FEB 20, 2019 - MAR 01, 2019

**VIN Range 1 : Begin :**

NR

**End :** NR

Not sequential

## Description of Noncompliance :

**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.

**FMVSS 1 :** 301 - Fuel system integrity

**FMVSS 2 :** NR

**Description of the Safety Risk :** If the lock ring is not fully engaged, the condition could result in a fuel odor and/or fuel leakage. If a fuel leak were to occur, it could increase the risk of a fire if exposed to an ignition source.

**Description of the Cause :** NR

**Identification of Any Warning that can Occur :** The customer may notice a fuel odor, rattle noise, Malfunction Indication Lamp (MIL) illumination and/or fuel leakage.

## Supplier Identification :

### Component Manufacturer

Name : Plastic Omnium  
Address : 200 Sam Griffin Road  
Smyrna TENNESSEE 37167  
Country : United States

## Chronology :

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.

## Description of Remedy :

Description of Remedy Program : Owners of all potentially affected vehicles are being notified to take their vehicle to a Nissan dealer where the dealer will inspect the fuel tank assembly. If the fuel pump lock ring is partially locked, the dealer will tighten it to specification. If the lock ring is completely detached, the dealer will replace the fuel pump and seal.

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.

How Remedy Component Differs from Recalled Component : The name, description and part number(s) of the fuel tank assembly is below:

Part Name: PUMP COMPL-FUEL  
Part Description: Fuel Pump Module  
Part Number(s): 17040 6CA0A

Part Name: PACKING-FUEL GAUGE  
Part Description: Fuel Pump Seal Pack  
Part Number(s): 17342 4KH0A

Identify How/When Recall Condition was Corrected in Production : NR

## Recall Schedule :

Description of Recall Schedule : Nissan plans to notify dealers on April 19, 2019 and will notify all affected owners within sixty (60) days of NCIR submission.

Planned Dealer Notification Date : APR 19, 2019 - NR

Planned Owner Notification Date : MAY 13, 2019 - NR

\* NR - Not Reported