

**Part 573 Safety Recall Report****15V-197****Manufacturer Name :** Nissan North America, Inc.**Submission Date :** JUN 26,2015**NHTSA Recall No. :** 15V-197**Manufacturer Recall No. :** NR**Manufacturer Information :**

Manufacturer Name : Nissan North America, Inc.

Address : P. O. BOX 685001

Franklin TN 37068-5009

Company phone : (999) 999-9999

**Population :**

Number of potentially involved : 29,297

Estimated percentage with defect : 0

**Vehicle Information :**

Vehicle : 2014-2014 Nissan Rogue

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

**Descriptive Information :** No other Nissan or Infiniti models are affected. The vehicle population was determined based on information provided to Nissan by the supplier (Bosch) regarding the subject fuel pump module that, as described below, was installed in certain vehicles manufactured between June 11, 2013 and June 7, 2014 at the Smyrna, Tennessee plant.

Production Dates : JAN 02, 2014 - JUN 04, 2014

**VIN (Vehicle Identification Number) Range**

Begin : NR

End : NR

 Not sequential VINs**Description of Defect :**

**Description of the Defect :** On some of the affected vehicles, the nickel plating material from the fuel pump's inner or outer casing/cover may detach due to fuel flow, vibration or pressure. Detached plating particles may move into the gap between the impeller and the casing/cover, causing the impeller to stop rotating.

If this occurs during engine start-up, the pump will not function and the engine will not start. In some instances, the particles may interfere with impeller rotation during pump operation. If this occurs, the pump may stop functioning and the engine will stop. Even if the engine stops running, the 12V power remains on, the air bag system remains fully functional and the vehicle can be brought to a controlled stop. However, the engine stop may increase the risk of a crash.

Due to the low starting inertia (torque) of the impeller (compared to the high

inertia of the impeller during the engine operation period), a no-start incident mode is expected to be more prevalent in the field than the engine stop.

FMVSS 1 :NR

FMVSS 2 :NR

Description of the Safety Risk : Engine stop may increase the risk of a crash.

Description of the Cause : The nickel plating material from the fuel pump's inner or outer casing/cover may detach due to fuel flow, vibration or pressure. Detached plating particles may move into the gap between the impeller and the casing/cover, causing the impeller to stop rotating.

Identification of Any Warning that can Occur : NR

**Supplier Identification :**

**Component Manufacturer**

Name : Robert Bosch Corporation

Address : 8101 Dorchester Road  
Charleston SOUTH CAROLINA 29418

Country : United States

**Chronology :**

In March 2014, Nissan identified an incident involving a no start condition on a 2014 Model Year Nissan Rogue vehicle.

March 2014 through June 2014 – Nissan began actively monitoring the warranty information for this issue. Nissan identified incidents of no-start and also a small number of incidents involving reports of engine stopping after start-up.

Nissan supplied incident parts directly to tier 1 supplier (Bosch) who, along with tier n supplier (AFCO), analyzed them. Analysis of the incident parts indicated nickel contamination within the fuel pump module as the possible cause for the engine no start condition. At this stage in the investigation, an incident trend was not established.

July 2014 – incident rate projections from Bosch along with internal warranty claim analysis indicated a low projected incident rate and likely early in-service occurrence, if the issue is to occur at all. However, Nissan decided to continue monitoring the issue on a monthly basis.

July 2014 – December 2014 – monthly monitoring of warranty claim data indicated a linear progression in incident rates.

Separately, Nissan collected additional field incident parts for further investigation and internal analysis and continued to monitor warranty information.

January 2015 to March 2015 – Based on Nissan's continued analysis of warranty data, meetings with Bosch were initiated concerning their incident rate projections. During these meetings, the total incident count provided by Bosch showed an increasing rate of predicted incidents as opposed to the historically linear trend based on warranty claim analysis.

Concurrently, Nissan continued field monitoring activities. To date, Nissan is not aware of any vehicle crashes confirmed to be attributable to this issue.

March 24, 2015 – Based on further internal data analysis and additional information received from Bosch, Nissan determined that a safety related defect exists and that a recall campaign would be conducted.

**Description of Remedy :**

Description of Remedy Program : Owners of all potentially affected vehicles will be notified to take their vehicle to a Nissan dealer. The fuel pump assembly will be replaced at no cost to the owner.

We will not include information in the Part 577 owner notification concerning reimbursement for the cost of obtaining a pre-notification remedy as these vehicles are covered under warranty.

How Remedy Component Differs from Recalled Component : The remedy component has been modified to use an anodized aluminum plating in the fuel pump's casing/cover in lieu of the original nickel plating.

Identify How/When Recall Condition was Corrected in Production : The recall condition was corrected in production by installation of new parts using an anodized aluminum coating on

the case/cover; these new parts began to be used in production on June 7, 2014.

**Recall Schedule :**

Description of Recall Schedule : Nissan plans to notify dealers the first week of April and will notify all affected owners within 60 days of DIR submission.

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : NR - NR

\* NR - Not Reported