

# Part 573 Safety Recall Report

# 16V-636

**Manufacturer Name :** Nissan North America, Inc.**Submission Date :** AUG 31, 2016**NHTSA Recall No. :** 16V-636**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 : 120,329

Estimated percentage with defect : NR

**Vehicle Information :**

Vehicle 1 : 2016-2017 Nissan Maxima

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

**Descriptive Information :** Only Model Year 2016-2017 Maxima models equipped with Intelligent Cruise Control are affected. No other Nissan or Infiniti vehicles are affected by this issue because the affected ABS actuators are unique to models that were manufactured during the specified time period.

Production Dates : FEB 10, 2015 - AUG 19, 2016

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2015-2017 Nissan Murano

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

**Descriptive Information :** Only Model Year 2015-2017 Murano models equipped with Intelligent Cruise Control are affected. No other Nissan or Infiniti vehicles are affected by this issue because the affected ABS actuators are unique to models that were manufactured during the specified time period.

Production Dates : AUG 22, 2014 - AUG 19, 2016

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 3 : 2015-2016 Nissan Murano Hybrid

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : No other Nissan or Infiniti vehicles are affected by this issue because the affected ABS actuators are unique to models that were manufactured during the specified time period.

Production Dates : AUG 22, 2014 - JUL 19, 2016

VIN Range 1 : Begin :

NR

End : NR

Not sequential

## Description of Defect :

Description of the Defect : The subject vehicles are equipped with ADVICS ABS actuators that may have been manufactured out of specification. More specifically, inappropriate die temperature controls during manufacturing may have led to the seal hardness installed in ABS actuator pumps for certain vehicles equipped with Intelligent Cruise Control (and all Murano Hybrid vehicles) being lower than specification. Under this condition, the seal may leak brake fluid.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If this issue occurs, an ABS warning lamp will continuously illuminate on the instrument panel to warn the driver. However, if the warning is ignored and the vehicle continues to be operated in this condition, the brake fluid leak may create an electrical short in the actuator circuit, which in rare instances, may lead to a fire.

Description of the Cause : NR

Identification of Any Warning that can Occur : The ABS warning lamp will illuminate continuously to warn the driver.

## Supplier Identification :

### Component Manufacturer

Name : ADVICS North America, Inc.

Address : 1650 Kingsview Drive  
Lebanon OHIO 45036

Country : United States

**Chronology :**

June 7, 2016 – Nissan was notified of an incident involving an alleged thermal damage to a 2016 Nissan Maxima. An inspection of the vehicle was immediately scheduled to determine the cause and origin.

Early July 2016 – Upon inspection, Nissan determined that the fire likely originated in the area of the ABS actuator housing. Further, it was determined that prior to the incident, the vehicle ABS warning lamp was illuminated. Based on the results of this inspection, Nissan notified the ABS Actuator unit supplier, ADVICS, and began an investigation into the cause and scope of the issue.

July 2016 to August 2016 – Nissan, jointly with ADVICS, actively investigated the cause of the issue and whether it was isolated or affected a group of vehicles. Concurrently, Nissan actively monitored field information for any other incidents potentially related to the subject condition.

The investigation showed that the cause of thermal damage was a brake fluid leak within the ABS actuator housing onto an electrified circuit board. The seal leak was due to a Tier 3 supplier manufacturing issue with the oil seal hardness. Upon gaining an understanding of the cause, Nissan immediately investigated the scope of the potentially affected vehicles.

Concurrent with this activity, as part of active field monitoring, Nissan became aware of, inspected and confirmed several additional incidents of thermal damage to the subject vehicles.

August 24, 2016 – Based on the foregoing, Nissan determined that a safety related defect exists, and decided to conduct a safety recall campaign to remedy this issue.

**Description of Remedy :**

Description of Remedy Program : The dealer will inspect the serial number of the ABS actuator, and if it is within the affected range, the dealer will replace the ABS actuator with a new ABS actuator at no cost to the owner.

How Remedy Component Differs from Recalled Component : NR

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

**Recall Schedule :**

Description of Recall Schedule : Nissan will notify all owners of potentially affected vehicles within 60 days.

Planned Dealer Notification Date : SEP 02, 2016 - NR

Planned Owner Notification Date : NR - NR

\* NR - Not Reported