

# Part 573 Safety Recall Report

# 18V-601

**Manufacturer Name :** Nissan North America, Inc.**Submission Date :** SEP 21, 2018**NHTSA Recall No. :** 18V-601**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 : 215,124

Estimated percentage with defect : 56 %

**Vehicle Information :**

Vehicle 1 : 2016-2017 Nissan Maxima

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

**Descriptive Information :** The affected ABS actuators are unique to the makes and models that were manufactured during the above dates. No other Nissan or INFINTI vehicles are affected.

Production Dates : FEB 10, 2015 - JAN 05, 2017

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2017-2017 INFINTI QX60

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

**Descriptive Information :** The affected ABS actuators are unique to the makes and models that were manufactured during the above dates. No other Nissan or INFINTI vehicles are affected.

Production Dates : MAY 18, 2016 - JAN 09, 2017

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 3 : 2017-2018 Nissan Pathfinder

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

**Descriptive Information :** The affected ABS actuators are unique to the makes and models that were manufactured during the above dates. No other Nissan or INFINTI vehicles are affected.

Production Dates : APR 20, 2016 - JAN 09, 2017

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 4 : 2015-2017 Nissan Murano

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : The affected ABS actuators are unique to the makes and models that were manufactured during the above dates. No other Nissan or INFINTI vehicles are affected.

Production Dates : AUG 22, 2014 - FEB 24, 2017

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 equipped with an oil seal that may have been manufactured out of specification. More specifically, die temperature variation may have affected oil seal hardness. Coupled with insufficient lubrication, this could cause the oil seal to wear prematurely. If this occurs, the 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 potentially create an electrical short in the actuator circuit, which in rare instances, may lead to a fire.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If a fire occurs in certain rare instances, it can increase the risk of injury to vehicles occupants.

Description of the Cause : NR

Identification of Any Warning that can Occur : If this occurs, an ABS warning lamp will continuously illuminate on the instrument panel to warn the driver.

## Supplier Identification :

### Component Manufacturer

Name : ADVICS North America, Inc.

Address : 1650 Kingsview Drive  
Lebanon OHIO 45036

Country : United States

**Chronology :**

January 2018 – Nissan received a report of an illuminated ABS warning lamp on a vehicle previously remedied under 16V-636 recall.

February 2018 to March 2018 – Nissan began an investigation into the issue together with the supplier (ADVICS), and Nissan began active field monitoring. The returned part exhibited a tear in the oil seal, however, the cause of this was undetermined and the condition could not be duplicated on new production parts.

April 2018 to May 2018 – Nissan began a parts collection activity, and began comparing oil seals from returned actuators to the seal from the actuator that malfunctioned.

June 2018 to July 2018 – Nissan performed a number of durability performance tests on returned parts to help determine the scope of parts that may have been affected.

July 2018 to August 2018 – Durability performance testing identified two potential factors affecting the subject ABS actuator performance. More specifically, the hardness of the seal coupled with lack of lubrication around the seal was affecting seal durability.

Nissan then investigated which production specifications of the oil seal could have affected seal hardness and lack of lubrication. Nissan found that the actuator oil seal die temperature was affecting oil seal hardness wear resistance.

Nissan is not aware of any injuries or fatalities attributed to this condition. Nissan received seventy-nine (79) warranty returned parts potentially exhibiting the subject condition. There are nine (9) incidents of vehicle thermal damage potentially attributable to the condition. None of the incidents appeared to involve damage to outside structures.

August 30, 2018 - Based on the foregoing, Nissan decided to conduct a safety recall campaign to remedy the vehicles outlined above.

**Description of Remedy :**

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

Nissan will include a statement in the Part 577 owner notification concerning reimbursement for the cost of obtaining a pre-notification remedy for the subject vehicles that are no longer under warranty. The statement will be excluded for the subject vehicles that are still under warranty. Your office will be provided with a copy of the Part 577 owner notification for approval.

**How Remedy Component Differs** See attached Part 573 report for Make, Model and Model Year of the

from Recalled Component : vehicles with corresponding part numbers.

Part Description	Part Number
ABS ACTUATOR ASSY	47660-4RB1C
ABS ACTUATOR ASSY - AWD	47660-9UD6D
ABS ACTUATOR ASSY - FWD	47660-9UD6C
ABS ACTUATOR ASSY	47660-9PP1B
ABS ACTUATOR ASSY	47660-9PP1D
ABS ACTUATOR ASSY	47660-9PP1B
ABS ACTUATOR ASSY	47660-9PP1D
Brake Fluid (DOT 3 Type 12oz)	999MP-AA410P

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

### Recall Schedule :

Description of Recall Schedule : Owners of the subject vehicles will be notified beginning on October 15, 2018. Dealers will be notified on September 25, 2018.

Planned Dealer Notification Date : SEP 25, 2018 - NR

Planned Owner Notification Date : OCT 15, 2018 - NR

\* NR - Not Reported