

NISSAN GROUP
OF NORTH AMERICA



Nissan North America, Inc.

One Nissan Way
Franklin, TN 37067

Mailing Address:
PO Box 685001
Franklin, TN 37068

August 31, 2016

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 Mr. Rea:

We are transmitting the enclosed Defect Information Report in accordance with 49 CFR Part 573. This reports relates to ADVICS anti-lock brake system (ABS) actuators installed in certain Model Year 2016-2017 Nissan Maxima, Model Year 2015-2017 Murano and Model Year 2015-2016 Murano Hybrid vehicles listed in section 2 below.

Nissan plans to notify dealers on September 2, 2016 and begin owner notifications via first class mail within 60 days. Your office will be provided with the copy of the notices.

Very truly,

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

Derek Latta
Manager,
Technical Compliance

Encl.

DEFECT INFORMATION REPORT

1. Vehicle Manufacturer:

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

Manufacturer of the subject equipment:

ADVICS North America, Inc.
1650 Kingsview Drive
Lebanon, Ohio 45036

Jeremy Cox
Sr. Corporate Quality Manager
513-696-5465 (Direct Line)
513-696-5451 (Fax)
859-512-0331 (Cell)

2. Units Potentially Involved:

Production period of affected vehicles involved:

<u>Model Year/Make Model</u>	<u>Dates of Manufacture</u>
MY2016-2017 Nissan Maxima ¹	February 10, 2015 (SOP) through August 19, 2016
MY2015-2017 Nissan Murano ²	August 22, 2014 (SOP) through August 19, 2016
MY2015-2016 Nissan Murano Hybrid	August 22, 2014 (SOP) through July 19, 2016

No other Nissan or Infiniti vehicles are affected by this issue because the affected ABS actuators (described in Section 5 below) are unique to models that were manufactured during the above dates.

3. Total Number of Units Potentially Involved:

Approximately 120,329 vehicles are subject to this recall, as shown in the table below:

<u>Model Year/Make Model</u>	<u>Number of Vehicles</u>
MY2016 Nissan Maxima	45,216
MY2017 Nissan Maxima	7,190
MY2015 Nissan Murano	44,703
MY2016 Nissan Murano	22,602

¹ Only Model Year 2016-2017 Maxima models equipped with Intelligent Cruise Control are affected.

² Only Model Year 2015-2017 Murano models equipped with Intelligent Cruise Control are affected.

MY2017 Nissan Murano	4
MY2015 Nissan Murano Hybrid	4
MY2016 Nissan Murano Hybrid	610

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

Unknown

5. 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. If this 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.

6. Chronology of Principal Events:

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.

7. Description of Corrective Action:

Nissan will notify all owners of potentially affected vehicles within 60 days. 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. 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.