

NISSAN GROUP
OF NORTH AMERICA



Nissan North America, Inc.
One Nissan Way
Franklin, TN 37067

Mailing Address:
PO Box 685001
Franklin, TN 37068

April 5, 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 Defect Information Report 16E-xxx. Some of the ABS Actuators subject to 16E-xxx are installed in certain Model Year 2016 and Model Year 2017 Nissan Maxima and Murano vehicles listed in section 2 below.

Nissan plans to notify dealers on April 7, 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 for". The signature is written in a cursive, flowing style.

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)

For additional details on the equipment manufacturer, please see ADVICS Defect Information Report #16E-xxx.

2. Units Potentially Involved:

ADVICS ABS actuator part numbers:

<u>Model</u>	<u>Part Number</u>
Nissan Maxima	47660-4RB0B
Nissan Murano	47660-5AA0C, 47660-5AE0C

Production period of affected vehicles involved:

<u>Model</u>	<u>Dates of Manufacture</u>
MY2016 - MY2017 Nissan Maxima	November 25, 2015 to February 12, 2016
MY2016 Nissan Murano	December 17, 2015 to February 11, 2016

No other Nissan or Infiniti vehicles are affected by this issue because the affected ABS actuator (described in Section 5 below) is unique to this model and dates of manufacture.

3. Total Number of Units Potentially Involved:

According to ADVICS Defect Information Report #16E-xxx, 159 potentially affected ABS Actuators were supplied to Nissan. However, approximately

12,622 vehicles need to be inspected to identify and replace the subject ABS Actuators.

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

1.26%

5. Description of the Defect:

Please see ADVICS Defect Information Report #16E-xxx.

The subject vehicles are equipped with an Anti-Lock Braking system (ABS) and Vehicle Dynamic Control (VDC) which are controlled by the brake actuator. Some vehicles within the affected population described above were equipped with ADVICS ABS actuators that may have been manufactured out of specification. More specifically, there is a possibility that some ABS Actuators may have been assembled with a pump containing an O-ring that was damaged in such a way that the brake fluid pressure may not be properly controlled during ABS and VDC system activation, resulting in degradation of these functions and increase a risk of a crash. This condition may also affect compliance with S5.2 of FMVSS No. 126.

6. Chronology of Principal Events:

Please see ADVICS Defect Information Report #16E-xxx.

Late January, 2016 – During routine inspection, an operator at the Nissan Smyrna, TN plant detected an issue with an ABS actuator when two units did not pass an end-of-line brake test. The two subject units were shipped to supplier (ADVICS) for testing and analysis. No further similarly affected units were identified by Nissan.

Early February through March, ADVICS began an investigation as to the scope, cause, and potential impact of the issue. While the investigation was ongoing, suspected parts were quarantined beginning February 11.

Concurrently, Nissan investigated internally, and monitored the field information. Nissan is not aware of any field information related to this issue. Nissan also studied how the subject condition affected regular braking performance, ABS and VDC performance.

Late March – ADVICS notified Nissan of the investigation results and provided a list of potentially affected ABS Actuator serial numbers and RAN numbers, which included units installed on vehicles outside of Nissan's control.

March 30, 2016 - Based on the latest information provided by ADVICS, Nissan decided to conduct a safety recall.

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.