

**NISSAN GROUP
OF NORTH AMERICA**



Nissan North America, Inc.

One Nissan Way
Franklin, TN 37067

Mailing Address:
PO Box 685001
Franklin, TN 37068

January 31, 2018

Mr. Jeff Giuseppe
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. Giuseppe:

We are transmitting the enclosed Defect Information Report in accordance with 49 CFR Part 573.

Very truly,

A handwritten signature in black ink, appearing to read "Derek Latta".

Derek Latta
Manager,
Technical Compliance

Encl.

DEFECT INFORMATION REPORT

1. Manufacturer:

Nissan Motor Co., Ltd.

2. Vehicles Potentially Involved:

Certain 2015-2017 Model Year Nissan Juke Nismo RS vehicles manufactured at the Oppama, Japan plant from July 6, 2015 through January 30, 2017.

The cup seal design used in the brake master cylinder assembly is unique to this make/model vehicle. No other Nissan (or Infiniti) models are affected.

The supplier of the master cylinder is:

TOKICO Automotive (Suzhou) Co., Ltd.
177, Xinglong Street, Suzhou Industrial Park
Suzhou, Jiangsu, China, 215126

Phone: 0512-6283-3400

The name, description and part number(s) of the recalled component(s) are below.

<u>Part Name</u>	<u>Part Description</u>	<u>Part Number(s)</u>
CYL BRAK MASTER	Brake Master Cylinder	D6010-3DD0A
CYL BRAK MASTER	Brake Master Cylinder	D6010-3DD1A

3. Total Number of Vehicles Potentially Involved:

Approximately 415 Nissan Juke Nismo RS vehicles.

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

1%¹

To date, Nissan is not aware of any confirmed field incidents in the U.S. market attributable to the subject condition.

¹ The estimated percentage of vehicles involved with defect is unknown, 1% is used here because submission within NHTSA's safety portal will not allow a non-numeric value.

5. Description of the Defect:

The subject vehicles may be equipped with an out-of-specification brake master cylinder. Specifically, the cup seal inside the master cylinder housing may twist and not seat properly. This is due to a combination of increased sliding resistance between the cup seal and piston due to brake booster negative pressure, and dry conditions between the master cylinder piston. As a result, sealing performance may deteriorate and brake fluid can leak rapidly from the master cylinder into the brake booster. If this occurs, the brake system warning indicator will illuminate as designed to warn the driver and normal brake output will decrease resulting in increased stopping distance, which can increase the risk of a crash.

The subject vehicles are equipped with a split circuit diagonal brake system. If one of the brake circuits on the vehicle does not operate as designed, the other circuit will continue to operate. Therefore, Nissan expects the vehicle braking system will continue to function and meet the "Hydraulic circuit failure performance requirements" specified in S7.10 of FMVSS No. 135.

6. Chronology of Principal Events:

December 2017 – Nissan received information from an overseas market concerning a possible brake master cylinder issue. Nissan began an investigation together with the supplier (TOKICO Automotive) to confirm whether this issue could potentially affect Nissan Juke Nismo RS vehicles in the U.S. market.

Nissan confirmed no known field incidents related to the subject condition on Nissan Juke Nismo vehicles in the U.S.

January 2018 – Nissan determined that this issue may affect Nissan Juke Nismo RS vehicles that are equipped with the subject brake master cylinder. Nissan conducted an analysis to determine the effect of the subject condition on stopping distance performance requirements in S7.10.4 of FMVSS No. 135. It was concluded that the vehicles with the subject condition met the stopping distance performance requirements for a split service brake system, in the event of any failure in a single subsystem.

Concurrently, Nissan and the supplier worked to identify the range of potentially affected brake master cylinders and trace that population to the subject vehicles.

January 29, 2018 - Nissan decided to conduct a recall campaign to remedy the subject condition.

7. Description of Corrective Action:

Owners of all potentially affected vehicles will be notified within 60 days. The master cylinder will be replaced with a new one with a modified cup seal design. Dealers will be notified on February 1, 2018.

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 remain under warranty.

8. Copy of Notices:

Copies of all notices will be provided to NHTSA as they become available.