

# Part 573 Safety Recall Report

# 18V-086

**Manufacturer Name :** Nissan North America, Inc.

**Submission Date :** JAN 31, 2018

**NHTSA Recall No. :** 18V-086

**Manufacturer Recall No. :** NR



## Manufacturer Information :

## Population :

**Manufacturer Name :** Nissan North America, Inc.

**Number of potentially involved :** 415

**Address :** P. O. BOX 685001

**Estimated percentage with defect :** 1 %

Franklin TN 37068-5009

**Company phone :** 800-647-7261

## Vehicle Information :

**Vehicle 1 :** 2015-2017 Nissan Juke Nismo RS

**Vehicle Type :** LIGHT VEHICLES

**Body Style :** HATCHBACK

**Power Train :** GAS

**Descriptive Information :** 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.

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

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.

**Production Dates :** JUL 06, 2015 - JAN 30, 2017

**VIN Range 1 : Begin :**

NR

**End :** NR

Not sequential

**Description of Defect :**

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.

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.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If this condition 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.

Description of the Cause : NR

Identification of Any Warning that can Occur : NR

**Supplier Identification :****Component Manufacturer**

Name : TOKICO Automotive (Suzhou) Co., Ltd.

Address : 177, Xinglong Street, Suzhou Industrial Park Suzhou, Jiangsu FOREIGN STATES 215126

Country : China

**Chronology :**

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.

### Description of Remedy :

Description of Remedy Program : 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

How Remedy Component Differs from Recalled Component : The name, description and part number(s) of the recalled component(s) are below.

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

The remedy brake master cylinder contains a modified cup seal design.

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

### Recall Schedule :

Description of Recall Schedule : Nissan plans to notify dealers on February 1, 2018 and all affected owners on March 19, 2018.

Planned Dealer Notification Date : FEB 01, 2018 - NR

Planned Owner Notification Date : MAR 19, 2018 - NR

\* NR - Not Reported