Part 573 Safety Recall Report

16E-030

Manufacturer Name : Advics North America, Inc.
Submission Date : APR 05, 2016
NHTSA Recall No. : 16E-030
Manufacturer Recall No. : NR

Manufacturer Information :

Manufacturer Name : Advics North America, Inc.
Address : 1650 Kingsview Drive
Lebanon OH 45036
Company phone : 513-696-5450

Population :

Number of potentially involved : 721
Estimated percentage with defect : NR

Equipment Information :

Brand / Trade : ADVICS NA/ ADVICS Manufac
Model : ABS Actuator
Part No. : See Descriptive Info
Size : NR
Function : ABS
Descriptive Information : Certain ABS Actuators sold by ADVICS Co. Ltd. and ADVICS North America, Inc. and manufactured by ADVICS Manufacturing Ohio, Inc. from October 12th 2015 to January 29th 2016. ADVICS supplied these units for sale to multiple vehicle manufacturers.There is a possibility that some Brake Actuators may have been assembled with a gear pump containing a damaged O-ring.These ABS Actuator units were sold by ADVICS collectively under the part numbers:
TOYOTA: ABS Actuator
Part Numbers: 44540-06260, 44540-06370, 44540-0E240, 44540-0E250, 44540-0E260, 44540-0E270, 44540-0E280, 44540-0E290, 44540-0E261, 44540-0E271, 44540-0R170, 44540-0R220, 44540-33450-A, 44540-33750-A, 44540-48430-A, 44540-48440-A, 44540-48620-A, 44540-48600-A, 44540-48610-A, 44540-48630-A, 44050-0R330
NISSAN: Actuator & Electronic Control Assembly (aka ABS Actuator)
Part Numbers: 47660 5AA0C, 47660 5AE0C, 47660 4RB0B

Production Dates : OCT 12, 2015 - JAN 29, 2016

Description of Defect :

Description of the Defect : There is a possibility that some Brake Actuators may have been assembled with a gear pump containing a damaged O-ring.

FMVSS 1 : NR
FMVSS 2 : NR

Description of the Safety Risk : This could potentially create a lack of sufficient brake fluid pressure, causing a variation in performance of the ABS Actuator during use.

Description of the Cause : ADVICS determined that damage to an O-ring (created by the assembly process) escaped the testing station.

Identification of Any Warning that can Occur : NR

Supplier Identification :

Component Manufacturer

Name : ADVICS Manufacturing Ohio, Inc.

Address : 1650 Kingsview Drive
Lebanon OHIO 45036

Country : United States

Chronology :

January End 2016

An ADVICS customer (Nissan) reported to ADVICS Manufacturing Ohio, Inc. that they experienced an abnormal condition during vehicle testing, related to our ABS Actuator performance. ADVICS obtained two suspect units a few days later to begin a preliminary investigation.

Early February 2016 to March End 2016

During the preliminary investigation of the suspect units, an abnormality of the units' gear pump to effectively seal was discovered. Since similar products are sold to an additional customer (Toyota), ADVICS simultaneously reported the preliminary findings. ADVICS announced to both customers that we were opening an investigation to understand any potential scope, beyond the two parts presented to us, its cause and any potential impact to other products.

During the investigation, ADVICS determined that damage to an O-ring (created by the assembly process) escaped the testing station. This damage could potentially create a lack of sufficient brake fluid pressure, causing a variation in performance of the ABS Actuator during use.

As well, we were able to use data from the production history of every part produced, to identify a specific characteristic associated with suspect product. This data also contains the unique serial number for every part produced. At the conclusion of the investigation, ADVICS provided our customers with the serial numbers of the exact units determined to have the similar characteristic.

March 31st 2016

Both Nissan and Toyota informed ADVICS that they intend to notify NHTSA and conduct a recall.

Description of Remedy :

Description of Remedy Program : ADVICS will cooperate with and support each vehicle manufacturer's plan(s) for a proposed remedy.

How Remedy Component Differs from Recalled Component : Product produced prior to 10/12/2015 or after 1/29/2016.

Identify How/When Recall Condition was Corrected in Production : On 1/29/2016 the condition that was allowing the damage to occur was corrected.

Recall Schedule :

Description of Recall Schedule : ADVICS will cooperate with and support each vehicle manufacturer's plan(s) for a proposed remedy.

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : NR - NR

Purchaser Information :

The following manufacturers purchased this defective/noncompliant equipment for possible use or installation in new motor vehicles or new items of motor vehicle equipment:

Name : NR
Address : NR
NR
Country : NR
Company Phone : NR

* NR - Not Reported