

Part 573 Safety Recall Report

17E-053

Manufacturer Name : Bearing Technologies Ltd

Submission Date : OCT 04, 2017

NHTSA Recall No. : 17E-053

Manufacturer Recall No. : NR



Manufacturer Information :

Manufacturer Name : Bearing Technologies Ltd

Address : 1141 Jaycox Rd

Avon OH 44011

Company phone : 9307600

Population :

Number of potentially involved : 4,284

Estimated percentage with defect : 100 %

Equipment Information :

Brand / Trade 1 : Duralast

Model : Wheel Spindle

Part No. : DL930676K

Size : NR

Function : Wheel spindle

Descriptive Information : The defective equipment is a replacement front wheel hub spindle for Ford Edge 2007-2010 models. Bearing has determined that the fabricating manufacturer in China changed the studs it used on the hub spindle from August 2016 through July 2017, which are the cause of the defect. The recall population is all items of this equipment manufactured during this period, less any such items that Bearing has not sold.

The defective equipment is identified by studs that have a measurable protruding shoulder that is 14.2 mm or greater in diameter where the studs meet the spindle. The attached photograph shows a defective stud with a protruding shoulder of 15.32 mm in diameter. Also, LOT Codes etched on the face of the spindle can be used to identify whether a spindle is defective. The LOT Codes for defective spindles are: FH38, FJ38, FN38, FP38, FS38, FV38, FY38, FZ38, and HC38.

Production Dates : AUG 01, 2016 - JUL 31, 2017

Description of Defect :

Description of the Defect : The defect in the wheel hub spindle is oversized protruding shoulders on the spindle studs relative to the original equipment. Specifically, the oversized protruding shoulder on the studs may interfere with assembly of mating parts, which may only be overcome by applying extreme pressure to mate the parts together. The application of such pressure to the studs can cause them to loosen and the wheel to wobble or vibrate.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : The defect will make assembling the equipment with mating parts difficult without the use of extreme pressure. If this difficulty is not heeded and assembly is accomplished, the defect will result in a vibration of the vehicle or wobbling of the wheel on which the equipment is installed. If this vibration or wobbling is not heeded and the vehicle is not brought to a stop, a vehicle crash can occur.

Description of the Cause : The fabricating manufacturer changed the stud it uses in manufacturing the part to a stud with an oversized protruding shoulder that, when assembled with mating parts, may interfere with assembly of these parts.

Identification of Any Warning that can Occur : Vibration of the vehicle; wobbling of the wheel on which the equipment is installed; difficulty assembling the part with mating components.

Supplier Identification :**Component Manufacturer**

Name : Taizhou Jiyou Auto Parts Co., Ltd.

Address : Mechanical & Electrical Industrial Zone
Yuhuan FOREIGN STATES 317600

Country : China

Chronology :

The distributor to which Bearing sells the defective equipment notified Bearing on September 13, 2017 of a potential safety issue with the spindle. On September 15, 2017, the distributor provided Bearing with a list of claims related to this same equipment item that it had received from other purchasers. There have been no reports of crashes, injuries or fatalities associated with this defect. Bearing subsequently conducted an investigation into the nature of the claims and the root cause(s). Although in most instances, the purchasers were unable to assemble the parts and install them on a vehicle due to the incompatibility, on September 20, 2017, Bearing confirmed one instance where a defective part was installed and the vehicle's owner experienced a wobbly wheel. Therefore, on September 20, 2017, Bearing determined that this was a safety-related defect.

Description of Remedy :

Description of Remedy Program : NR

How Remedy Component Differs
from Recalled Component : NRIdentify How/When Recall Condition
was Corrected in Production : The last production run of product containing studs with the protruding
shoulder was July 2017. The future production will have studs with a non-
protruding shoulder.**Recall Schedule :**

Description of Recall Schedule : NR

Planned Dealer Notification Date : OCT 06, 2017 - OCT 13, 2017

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