# Part 573 Safety Recall Report 17E-053

**Manufacturer Name :** Bearing Technologies Ltd
**Submission Date :** OCT 11, 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 :**

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| 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**

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| Name : | Taizhou Jiyou Auto Parts Co., Ltd. |
| Address : | Mechanical & Electrical Industrial Zone<br>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 :**

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| Description of Remedy Program : | If the studs on a defective spindle are not loose, Bearing will replace the studs at no charge. If the studs on a defective spindle are loose, Bearing will replace the spindle assembly at no charge. Bearing will also pay shop labor for the remedy (up to $60 for the replacement of the 5 studs, or up to $150 for the spindle assembly replacement). Bearing will provide instructions on at www.recall17E053.com to help owners determine how to identify a recalled product and repair the product.<br><br>For an owner who remedied the defect not later than 10 calendar days before Bearing mails the last of its notifications to owners pursuant to 49 CFR part 577, Bearing will reimburse the owner up to the following amounts, subject to conditions consistent with 49 CFR 573.13:<br>a. If the defective item was replaced, the retail price of the defective item, plus taxes; or<br>b. If the defective item was repaired, the cost of parts for the remedy (not to exceed the manufacturer's list retail price for the parts), plus associated labor (not to exceed local labor rates), miscellaneous fees for disposal of waste, and taxes.<br><br>Reimbursement claims may be sent to Bearing at:<br>Bearing Technologies<br>Attn: Recall 17E053<br>1141 Jaycox Road<br>Avon, OH 44011<br><br>For additional information, contact Bearing at 800-677-3477 or recall@brgtec.com. |
| How Remedy Component Differs from Recalled Component : | The recalled units are Duralast wheel spindles, part DL930676K. The studs on the recalled units include a protruding shoulder that is visible and measurable on the face of the spindle. The remedy components will have non-protruding shoulders on the studs. |
| Identify 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 :**

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| Description of Recall Schedule : | Bearing intends to submit a dealer notification to the sole known dealer by October 13, 2017. |
| 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:

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

* NR - Not Reported