

Part 573 Safety Recall Report

22E-053

Manufacturer Name : Dexter Axle Company

Submission Date : SEP 26, 2022

NHTSA Recall No. : 22E-053

Manufacturer Recall No. : NR



Manufacturer Information :

Manufacturer Name : Dexter Axle Company

Address : 2900 INDUSTRIAL PARKWAY EAST
PO BOX 250 ELKHART IN 46516

Company phone : 574-295-7888

Population :

Number of potentially involved : 2,926

Estimated percentage with defect : 10 %

Equipment Information :

Brand / Trade 1 : Dexter

Model : 42mm Cartridge Bearing Washer

Part No. : 005-147-01

Size : 42mm

Function : Bearing Preload

Descriptive Information : 42mm cartridge bearing & hub assemblies built between 1-Apr-2022 and 16-Jun-2022 have a washer that could potential crack under load. Units potentially affected is 2926. Nev-R-Lube hub assembly is a unique product optional with specific features and components.

Production Dates : APR 01, 2022 - JUN 16, 2022

Description of Defect :

Description of the Defect : 42mm cartridge bearing washer may crack on load within the hub assembly. The potential leads to a hub separation condition of the axle wheel end.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : There is a potential for the washer to crack under load. If the washer cracks, the preload on the bearing is lost resulting in a premature bearing life and excessive end play in the hub assembly. This may lead to a hub separation condition which is a safety risk.

Description of the Cause : Due to improper heat treatment including quench and tempering at the component supplier, the 42mm cartridge bearing washer may be brittle leading to cracking under load when assembled.

Identification of Any Warning that can Occur : Excessive end play of the hub/wheel end assembly

Involved Components :

Component Name : Washer

Component Description : 42mm Cartridge Bearing Washer

Component Part Number : 005-147-01

Supplier Identification :**Component Manufacturer**

Name : NR

Address : NR

NR

Country : United States

Chronology :

After receiving customer complaints/warranty claims on 16-June of a bearing failure, an investigation was initiated to determine the failure mechanism of the issue. Upon further investigation of the claims, it was discovered the washer associated 42mm cartridge bearing washer was cracking leading to potential bearing and hub assembly performance issues including detachment from the axle.

Description of Remedy :

Description of Remedy Program : Dexter instituted a 100% conformance testing of the hardness of the 42mm cartridge bearing washer on 18-Jun-2022. Dexter will contact each customer to coordinate repair/replacement of suspect axle hubs.

How Remedy Component Differs from Recalled Component : 42mm cartridge bearing washers have been marked with a 'gold' paint dot to indicate the material hardness meets the product specifications.

Identify How/When Recall Condition was Corrected in Production : The corrective/containment actions were put into production on 20-Jun-2022.

Recall Schedule :

Description of Recall Schedule : All of our customers have been notified verbally and the recall letter will be distributed by 15-Jul-2022.

Planned Dealer Notification Date : JUL 01, 2022 - JUL 15, 2022

Planned Owner Notification Date : JUL 13, 2022 - JUL 13, 2022

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