Part 573 Safety Recall Report 24E-062

Manufacturer Name : Meritor, Inc.
Submission Date : JUL 26, 2024
NHTSA Recall No. : 24E-062
Manufacturer Recall No. : NR

Manufacturer Information :

Manufacturer Name : Meritor, Inc.
Address : 2135 West Maple Road
Troy MI 48084
Company phone : 248-435-1725

Population :

Number of potentially involved : 475
Estimated percentage with defect : 1 %

Equipment Information :

Brand / Trade 1 : Meritor
Model : Replacement Tie Rods
Part No. : A1-3102F4738
Size : NR
Function : Steering
Descriptive Information : This recall involves replacement tie rods produced on 4/19/2024 for Meritor by a third-party supplier that were equipped with ball studs that do not meet specifications. Meritor supplied the subject parts into the replacement market. The recall population was determined based upon information from Meritor's supplier.
Production Dates : APR 19, 2024 - APR 19, 2024

Brand / Trade 2 : Meritor
Model : Replacement Tie Rods
Part No. : A1-3102E4737
Size : NR
Function : Steering
Descriptive Information : This recall involves replacement tie rods produced on 4/19/2024 for Meritor by a third-party supplier that were equipped with ball studs that do not meet specifications. Meritor supplied the subject parts into the replacement market. The recall population was determined based upon information from Meritor's supplier.
Production Dates : APR 19, 2024 - APR 19, 2024

Brand / Trade 3 :	Meritor
Model :	Replacement Tie Rods
Part No. :	A1-3102P4748
Size :	NR
Function :	Steering
Descriptive Information :	This recall involves replacement tie rods produced on 4/19/2024 for Meritor by a third-party supplier that were equipped with ball studs that do not meet specifications. Meritor supplied the subject parts into the replacement market. The recall population was determined based upon information from Meritor's supplier.
Production Dates :	APR 19, 2024 - APR 19, 2024

Description of Defect :

Description of the Defect :	The ball studs on certain tie rod assemblies supplied to Meritor, Inc. by a third-party supplier (USK International, Incorporated) may not meet the case hardening specifications for these parts. As a consequence, the subject ball studs may be more susceptible to fracture.
FMVSS 1 :	NR
FMVSS 2 :	NR
Description of the Safety Risk :	Depending upon operating conditions, a ball stud fracture may lead to a loss of vehicle steering, which may increase the risk of a vehicle crash.
Description of the Cause :	USK International introduced experimental ball studs from an unapproved heat treatment process into production assemblies.
Identification of Any Warning that can Occur :	N/A

Involved Components :

Component Name :	Ball Stud / Assembled into tie rod ends
Component Description :	Connects left- and right-hand steering knuckle
Component Part Number :	A1-3102F4738

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Component Description :	Connects left- and right-hand steering knuckle
Component Part Number :	A1-3102P4748

Supplier Identification :

Component Manufacturer

Name :	USK Manufacturer
Address :	Av. Huehuetoca S/N, San Mate xtacalco Cuautitlan Foreign States 54800
Country :	Mexico

Chronology :

7/10/2024 USK informs Meritor that a population of tie rods equipped with suspect ball studs were shipped to Meritor.
7/10/2024 Meeting held with USK to understand the failure mode, containment, and population.
7/11/2024 Internal containment activity performed; shipping records reviewed to identify product potentially shipped to customers.
7/12-7/17/2024 Engineering review and analysis performed, and technical position developed.
7/18/2024 Engineering technical position presented to the Product Safety and Compliance Committee
7/ 19/2024 Meritor Product Safety and Compliance Committee determined issue to constitute a safety-related defect and decided to initiate a recall to address the condition.

Meritor is not aware of any warranty claims, accidents, or injuries related to this condition.

Description of Remedy :

Description of Remedy Program :	Known customers will be notified and requested to bring their vehicle to a service facility for inspection. Tie rod ends that contain suspect ball studs will be replaced free of charge. Pursuant to 49 CFR 577.11(e), Meritor requests that it be exempt from providing notification of a reimbursement plan. Any pre-notification product failure would have been replaced under the manufacturer's limited warranty. Accordingly, no person would be eligible for reimbursement pursuant to 573.13.

How Remedy Component Differs from Recalled Component :	The recalled components were experimental parts manufactured utilizing an unapproved heat treat process that the supplier inadvertently introduced into production. The remedy components will be produced to intended specification.
Identify How/When Recall Condition was Corrected in Production :	The recall condition does not exist in production. The supplier inadvertently introduced experimental ball studs from an unapproved heat treat process into production assemblies. Meritor has been advised that the supplier is initiating an internal review to implement corrective actions to prevent a re-occurrence when managing experimental materials and processes

Recall Schedule :

Description of Recall Schedule :	Notification letter(s) will be sent to Meritor's dealer customers per the "Dealer Notification" date range. The Owner Notification" date is dependent upon coordination with dealers regarding identification and notification of affected purchasers.
Planned Dealer Notification Date :	AUG 01, 2024 - AUG 09, 2024
Planned Owner Notification Date :	SEP 15, 2024 - SEP 15, 2024

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