

Part 573 Safety Recall Report

19E-049

Manufacturer Name : Meritor, Inc.

Submission Date : JUL 25, 2019

NHTSA Recall No. : 19E-049

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 : 51

Estimated percentage with defect : 8 %

Equipment Information :

Brand / Trade 1 : Meritor

Model : Axle Model FF967 Non Drive Front Steer Axle

Part No. : FF967

Size : NR

Function : Axle

Descriptive Information : Meritor received a report from the field regarding one fractured axle beam. The affected axle beam did not comply with the required process specification for hardness. The affected axle beams were built between 5/26/2014 and 5/27/2014 at the Meritor Monterrey manufacturing site.

Production Dates : MAY 26, 2014 - MAY 27, 2014

Description of Defect :

Description of the Defect : Meritor FF967 Non Drive Steer Front Steer Axle inadvertently missed heat treat operation during production.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the axle beam fractures, loss of vehicle control may occur, potentially leading to the risk of crash.

Description of the Cause : A heat treat process step was inadvertently missed following an interruption in service with Gantry #2. There were no subsequent detection steps to validate heat treatment after an interruption in service.

Identification of Any Warning that can Occur : The driver may notice some degradation of the vehicle handling up to the inoperability of the vehicle. If the axle beam fractures, loss of vehicle control may occur, potentially leading to the risk of crash.

Supplier Identification :

Component Manufacturer

Name : Forja de Monterrey
Address : Carretera Monterrey-Columbia
km. 6.5, Gral. Escobedo, N.L. FOREIGN STATES 66050
Country : Mexico

Chronology :

5/14/2019: Fractured beam reported from the field
5/15/2019: Meritor engineering and supplier begin investigation process
5/30/2019: Meritor engineering determines beam to have a non-conformance of hardness and microstructure condition
6/6/2019: Meritor sends beam to supplier for material and hardness inspections
6/10/2019: Supplier determines beam missed operation during heat treat
6/11/2019: Meritor personnel perform inspection at known customer to confirm supplier determination
6/20/2019: Meritor continues investigation, additional testing is initiated on OEM supplied beams
7/19/2019: Meritor concludes a field action to inspect and replace non-conforming beams in the suspect population is required

Description of Remedy :

Description of Remedy Program :	Meritor Axle Model FF967 Non-Drive Front Steer Axle Beam was determined to not comply with Meritor's microstructure or process specification for hardness. Axles in the suspect population will be inspected and replaced by Meritor.
How Remedy Component Differs from Recalled Component :	Suspect Meritor Model FF967 Non-Drive Front Steer axles are identified with the Forging Date Code 14128, Heat Code CA, Machining Date Code 14214.
Identify How/When Recall Condition was Corrected in Production :	The condition that caused the operation to be inadvertently missed was corrected in January 2016. The correction included the introduction of a subsequent hardness inspection by an optical camera monitored and controlled by software. In addition, all beams have the hardness reading written on the beam prior to being sent to Meritor.

Recall Schedule :

Description of Recall Schedule : 577 sent to oem
Planned Dealer Notification Date : JUL 26, 2019 - AUG 26, 2019

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 : Volvo

Address : 8203 Piedmont Triad Parkway
Suite A Greensboro NC 27409

Country : US

Company Phone : NR

* NR - Not Reported