

# Part 573 Safety Recall Report

# 20E-006

**Manufacturer Name :** Meritor, Inc.**Submission Date :** FEB 19, 2020**NHTSA Recall No. :** 20E-006**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 : 1,883

Estimated percentage with defect : NR

**Equipment Information :**

Brand / Trade 1 : Meritor

Model : MX10-120EVO, MX12-120EVO, MX14-120EVO

Part No. : MX120 EVO

Size : NR

Function : Axle

**Descriptive Information :** Note: This equipment report is an amendment to equipment report 19E036 reported in May 2019. Meritor received (2) reports from the field regarding wheel-separation incidents that occurred at low mileage, both on MX14-120 EVO axles. The affected assemblies were built between 5/1/2018 and 5/13/2019 at the Laurinburg, NC manufacturing site.

Production Dates : MAY 01, 2018 - MAY 13, 2019

**Description of Defect :**

**Description of the Defect :** Meritor MX 120 EVO axles were inadvertently missed during production. Assembling the axle without oil in the wheel end can result in over-heating of the wheel end bearings which can lead to damage and/or seizing of bearings, plastic deformation of components, and eventually wheel end separation from the axle.

FMVSS 1 : NR

FMVSS 2 : NR

**Description of the Safety Risk :** Loss of vehicle control or property damage could result due to insufficient lubrication of the bearings in the wheel end system.

**Description of the Cause :** Wheel end oil fill was inadvertently missed during production.

**Identification of Any Warning that can Occur :** Wheel end over-heating can be an indication of problems with lubrication or with internal component damage. As bearing damage progresses, the driver may detect an issue during vehicle operation by hearing unusual noise or by

feeling unusual vibration and/or pull on the steering wheel while driving.

## Supplier Identification :

### Component Manufacturer

Name : NR  
Address : NR  
NR  
Country : NR

## Chronology :

5/13/2019: Meritor was notified by Navistar of MX 120 EVO axles with wheel seperation.  
5/14/2019: Meritor was notified by Navistar of second MX 120 EVO axle with wheel separation.  
5/14/2019: Meritor engineering begins investigation.  
5/16/2019: Meritor determines issue to be safety related.  
12/2019: Meritor alerted of dry wheel end outside the build dates currently listed on equipment report 19E036. Meritor begins investigation to reassess population.  
1/2020: Meritor continues assessment and statistical modeling. Maintenance activities are assessed and considered as part of the population consideration.  
2/2020: Meritor detemined population for current equipment report 19E036 should be expanded to include axles built between 5/1/2018 and 5/13/2019.

## Description of Remedy :

Description of Remedy Program :	Meritor MX 120EVO axles were inadvertently assembled without oil in the wheel end system. Customers will be reimbursed for wheel end inspection. Inspect per Meritor Maintenance Manual MM0170, page 58. If no oil is found in wheel end during inspection, Meritor will replace wheel end components from spindle out.
How Remedy Component Differs from Recalled Component :	The remedied Meritor MX 120EVO axles' wheel end systems will have sufficient lubricant in the wheel end system.
Identify How/When Recall Condition was Corrected in Production :	Containment established on May 14, 2019 through the introduction of an additional visual inspection and implementation of photographically capturing the presence of lubrication in the wheel end system.

## Recall Schedule :

Description of Recall Schedule : Notification of OEM through 577  
Planned Dealer Notification Date : FEB 24, 2020 - FEB 28, 2020

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 : Daimler Trucks North America

Address : Compliance & Regulatory Affairs TEC-1A  
4747 North Channel Avenue Portland OR 97217

Country : US

Company Phone : 5037458789

Name : Navistar, Inc.

Address : 2701 Navistar Drive  
Lisle IL 60532

Country : US

Company Phone : 3313321590

\* NR - Not Reported