

Part 573 Safety Recall Report

22V-892

Manufacturer Name : Pierce Manufacturing**Submission Date :** DEC 02, 2022**NHTSA Recall No. :** 22V-892**Manufacturer Recall No. :** 74B324**Manufacturer Information :****Population :****Manufacturer Name :** Pierce Manufacturing**Number of potentially involved :** 8**Address :** 2600 American Drive
P.O. BOX 2017 Appleton WI
54912-2017**Estimated percentage with defect :** 100 %**Company phone :** 920-832-3000**Vehicle Information :****Vehicle 1 :** 2022-2022 Pierce Saber, Enforcer, Arrow XT**Vehicle Type :** BUSES, MEDIUM & HEAVY VEHICLES**Body Style :** ALL**Power Train :** DIESEL**Descriptive Information :** This recall involves axles produced by Meritor using suspect tie rod clamps supplied to Meritor between December 16, 2021 and May 16, 2022.**Production Dates :** AUG 15, 2022 - AUG 24, 2022**VIN Range 1 : Begin :**

NR

End : NR☐ Not sequential**Description of Defect :**

Description of the Defect : Based upon information provided to Pierce by Meritor, due to a heat treat issue Meritor determined that a population of tie rod clamps used in the manufacture of a subject axle population may be susceptible to cracking. Over time, a crack may lead to a complete fracture of the clamp, thereby reducing clamp load to the tie rod end. If both clamps on the tie rod were to fail, the cross tube could start to unscrew, vehicle alignment issues would evolve, and there is a potential for the tie rod end to separate from the cross tube. Separation is more likely to occur when tie rod loads are highest, which is at slow vehicle speeds over rough terrain or turning maneuvers.

FMVSS 1 : NR**FMVSS 2 :** NR

Description of the Safety Risk : Based upon information provided to Pierce by Meritor, separation of the tie rod end from the cross tube could result in partial loss of vehicle steering capability, increasing the risk of a crash.

Description of the Cause : Based upon information provided to Pierce by Meritor, excessive carbon was used in the manufacture process caused by a damaged control board on one of four furnaces at Meritor's supplier.

Identification of Any Warning that can Occur : Based upon information supplied to Pierce by Meritor, the initial effect would be a vehicle out of alignment. If both clamps on the tie rod cracked, the tube could rotate and result in a partial loss of steering capability.

Involved Components :

Component Name 1 : Tie Rod Assembly

Component Description : NR

Component Part Number : B1-3102N4850

Component Name 2 : Tie Rod Assembly

Component Description : NR

Component Part Number : B1-3102R4854

Component Name 3 : Tie Rod Assembly

Component Description : NR

Component Part Number : A1-3102S4855

Supplier Identification :

Component Manufacturer

Name : Meritor

Address : 2135 West Maple Road
Troy Michigan 48084

Country : United States

Chronology :

11/22/2022 – NHTSA notifies Pierce of recall 22E-075 filed by Meritor on September 30, 2022.

11/30/2022 – Based on the information provided by NHTSA, Pierce decides to conduct a recall of vehicles impacted by the issue described in Meritor's equipment recall.

12/2/2022 - Pierce in turn files a defect report with NHTSA.

Pierce is not aware of any accidents or injuries related to this condition.

Description of Remedy :

Description of Remedy Program :	Meritor will work with affected vehicle manufacturers to replace suspect tie rod clamps on the subject axles.
How Remedy Component Differs from Recalled Component :	According to information supplied to Pierce by Meritor, replacement tie rod clamps will meet Meritor's specifications for heat treatment.
Identify How/When Recall Condition was Corrected in Production :	Based upon information supplied to Pierce by Meritor, the sub-supplier to Meritor's tier 1 supplier introduced metallurgical evaluation for excessive carburization for all heat treatment batches and an alarm was installed to alert operator if any deviating conditions occur. The correction was completed 5/11/2022.

Recall Schedule :

Description of Recall Schedule :	Notifications to customers will be made via a customer letter. The 577 customer letter will be mailed pending NHTSA approval.
Planned Dealer Notification Date :	JAN 20, 2023 - JAN 20, 2023
Planned Owner Notification Date :	JAN 20, 2023 - JAN 20, 2023

* NR - Not Reported