

Part 573 Safety Recall Report

20V-500

Manufacturer Name : Equipment Technology, L.L.C.**Submission Date :** JUL 12, 2021**NHTSA Recall No. :** 20V-500**Manufacturer Recall No. :** NR**Manufacturer Information :**

Manufacturer Name : Equipment Technology, L.L.C.

Address : 341 NW 122nd Street

Oklahoma City OK 73114

Company phone : (405) 748-3841

Population :

Number of potentially involved : 60

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2020-2020 ETI ETC 37 IH

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : NR

Descriptive Information : A weld defect in a component boom tube was discovered by an ETI employee during assembly of and ETC 37 IH aerial lift truck. The boom tube specifications are supposed to be as follows: 8" x 10" hollow rectangle, 177.3" length, A500 Grade B carbon steel, minimum yield strength of 65 KSI, 3/16" thickness. The nonconforming material differs from conforming boom tubes with regard to the appearance and integrity of the weld seams and penetration. ETI determined the universe of boom tubes that contain this defect by comparing raw materials between two suppliers from 1/1/19 to 8/12/20. It was determined that nonconforming material was received from one supplier via two purchase orders; the material was produced on 1/22/20. ETI received the nonconforming material on 2/12/20 from the supplier. All boom trucks with any labor charged on or after this date are the population of this recall. A total of 60 completed boom truck units were identified as potentially having the nonconforming boom tubes installed. A total of 188 tubes was received from the supplier on 2/12/20. Since the 8/12/20 discovery date, all remaining material from this supplier has been identified and removed from assembly stock/inventory.

Production Dates : FEB 12, 2020 - AUG 12, 2020

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

Description of the Defect : Construction of 8" x 10" x 15' hollow carbon steel boom tubes were not produced in accord with ASTM A500 standards. There is a weld defect involving a lack of penetration along seam of the tube and the thickness of some tubes does not meet standard specification.

FMVSS 1 : 404 - Platform lift installations

FMVSS 2 : 403 - Platform lift systems

Description of the Safety Risk : If the aerial lift platform had a structural failure/collapse based on nonconforming material during boom use, then there is a potential for significant personal injury, death, or property damage.

Description of the Cause : NR

Identification of Any Warning
that can Occur : NR

Involved Components :

Component Name 1 : Boom Tube

Component Description : 8" x 10" x 15' hollow carbon steel rectangular tubes, 3/16" thick, minimum yield strength of 65 KSI

Component Part Number : SHXTD3-128-160X177.3

Supplier Identification :

Component Manufacturer

Name : Bull Moose Tube

Address : 29851 County Rd 20 West
Elkhart Indiana 46517

Country : United States

Chronology :

The weld defect in the boom tubes was identified by an ETI employee on 8/12/20 during assembly of ETC 37 IH. ETI management performed its own inspection of the tubes and raised the issue with distributor and component manufacturer on 8/13/20. ETI hired a third-party inspector (Reliance NDT) to perform non-destructive testing of sample boom tubes on 8/15/20. An inspection report was provided to ETI on 8/17/20 concluding, in sum, that the boom tubes did not meet ASTM A500 specification. Over the ensuing days, ETI reviewed these findings and underlying facts with management and counsel, and a NHTSA reporting decision was made. There have been no customer complaints, reported incidents, or warranty claims made to date.

Description of Remedy :

Description of Remedy Program : Full replacement of the nonconforming boom tubes on all affected aerial lift trucks at ETI's facility, with no charge to the customers. Where possible, rental units will be provided to affected customers during repair period. There have been no customer complaints, incidents, or warranty claims to date in connection with this issue; thus, upon information and belief, no pre-notice reimbursement plan is necessary at this point.

How Remedy Component Differs from Recalled Component : The remedy component will fully comply with ASTM A500 standard. Seam welds will be of sound depth and full penetration and maintain 3/16" - thick walls on all sides of the tube.

Identify How/When Recall Condition was Corrected in Production : NR

Recall Schedule :

Description of Recall Schedule : Issue safety recall notices to vehicle owners as soon as such notice is approved by NHTSA. There is a small number of affected aerial lift trucks - 60 total. ETI has identified all owners of these vehicles - 3 customers exactly. A number of the affected vehicles are already back at ETI's facility, as shipments were canceled or intercepted by ETI.

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : SEP 09, 2020 - SEP 18, 2020

* NR - Not Reported