

Part 573 Safety Recall Report

20V-625

Manufacturer Name : The Toro Company**Submission Date :** MAR 23, 2021**NHTSA Recall No. :** 20V-625**Manufacturer Recall No. :** NR**Manufacturer Information :**

Manufacturer Name : The Toro Company

Address : 8111 Lyndale Avenue South

Bloomington MN 55331

Company phone : 9528878973

Population :

Number of potentially involved : 605

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2017-2019 Toro Log Splitter 22618

Vehicle Type : TRAILERS

Body Style :

Power Train : NR

Descriptive Information : All Toro branded log splitters are in-scope due to design change.

Production Dates : MAY 02, 2017 - JUL 23, 2020

VIN Range 1 : Begin : 7SHBS0815HT002924 End : 7FHBS0818JT005516 Not sequential

Vehicle 2 : 2017-2020 Toro Log Splitter 22618HD

Vehicle Type : TRAILERS

Body Style :

Power Train : NR

Descriptive Information : All Toro branded log splitters are in-scope due to design change.

Production Dates : MAR 15, 2017 - FEB 05, 2020

VIN Range 1 : Begin : 7FHBS0812HT002010 End : 7FHBS0812LT007751 Not sequential**Description of Defect :**

Description of the Defect : Tow Pole bolts may break. Tow pole mounting plates could bend after the log splitter is towed off curbs, over railroad tracks or into potholes. This stresses the retaining bolts.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : A potential crash hazard exists as the trailer may tip over or detach from tow vehicle.

Description of the Cause : Stress from large drops due to curbs, railroad tracks or potholes on tow bolts

may cause bend in mounting plates. Reinforcement of mounting plate is recommended.

Identification of Any Warning that can Occur : NR

Involved Components :

Component Name 1 : NR
Component Description : NR
Component Part Number : NR

Supplier Identification :

Component Manufacturer

Name : NR
Address : NR
NR
Country : NR

Chronology :

November 25, 2019: Toro notified NHTSA that Toro had determined that a safety-related defect existed in Model Year 2017-2019 Toro Log Splitter 22618 and 22618HD model. The identified defect was that the tow pole bolts holding the tow pole to the rear front of the trailer and the rear of the tow vehicle can break during a towing operation, creating the risk that the log splitter could tip over or separate from the tow vehicle. The remedy for this defect was to replace the bolts with a higher grade bolt and ensure sufficient torque when the new bolts were installed.

December 4, 2019: Toro began customer notification of the recall and distribution of the remedy kits.

January 28, 2020: Toro filed its first quarterly completion report for this recall and reported a completion rate of nearly 84%.

May 15, 2020: Home Depot location reported a previously reworked Unit that had experienced a failure of the new Tow Pole bolts. Initial thought was that operator tipped the unit over, causing the bolts to break. Toro was unaware of any other report of new bolts breaking since the recall was performed. On June 9, 2020, a second Home Depot location reported a previously reworked Unit that had experienced a failure of the new Tow Pole bolts. Home Depot location reported that they were able to find one of the failed bolts. Toro requested the failed bolt back. Toro's investigation identified a fatigue crack in the bolt.

July-September: Toro conducted testing on the original tow pole design to understand the possible new failure mode. Toro evaluated the possible reasons why the new bolt developed a fatigue crack, and if the two incidents suggested the possible need to revise the remedy for the 2019 recall. Toro was able to duplicate the failure mode.

October 5, 2020: Toro determined that the previously recalled population of log splitters still have a risk of bolt failure, and that the remedy for that previously identified safety defect needs to be revised. No other failures.

Description of Remedy :

Description of Remedy Program : Upgrading the attachment plate and adding additional reinforcement bolts.

How Remedy Component Differs from Recalled Component : Upgraded attachment plate with additional reinforcing bolts.

Identify How/When Recall Condition was Corrected in Production : The upgraded attachment plate with additional reinforcing bolts has been added to production and all Toro inventory has been reworked.

Recall Schedule :

Description of Recall Schedule : NR

Planned Dealer Notification Date : NOV 16, 2020 - NOV 16, 2020

Planned Owner Notification Date : NOV 24, 2020 - NOV 24, 2020

* NR - Not Reported