

Part 573 Safety Recall Report

19V-279

Manufacturer Name : Load Trail LLC**Submission Date :** APR 08, 2019**NHTSA Recall No. :** 19V-279**Manufacturer Recall No. :** NR**Manufacturer Information :**

Manufacturer Name : Load Trail LLC

Address : 220 FM 2216

Sumner TX 75486

Company phone : 800-650-5194

Population :

Number of potentially involved : 355

Estimated percentage with defect : 40 %

Vehicle Information :

Vehicle 1 : 2018-2019 Load Trail 83"x14' Tandem Axle Dump Trailer with 621-scissor hoist option

Vehicle Type : TRAILERS

Body Style :

Power Train : NR

Descriptive Information : This recall involves only Load Trail dump trailers with a 621-scissor hoist option installed that were manufactured after January 31, 2018.

Production Dates : JAN 31, 2018 - MAR 15, 2019

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2018-2019 Load Trail 83"x 16' Tandem Axle Dump Trailer with 621-scissor hoist option

Vehicle Type : TRAILERS

Body Style :

Power Train : NR

Descriptive Information : This recall involves only Load Trail dump trailers with a 621-scissor hoist option installed that were manufactured after January 31, 2018.

Production Dates : JAN 31, 2018 - MAR 15, 2019

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 3 : 2018-2019 Load Trail 83"x16' Triple Axle Dump Trailer with 621-scissor hoist option

Vehicle Type : TRAILERS

Body Style :

Power Train : NR

Descriptive Information : This recall involves only Load Trail dump trailers with a 621-scissor hoist option installed that were manufactured after January 31, 2018.

Production Dates : JAN 31, 2018 - MAR 15, 2019

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Description of Defect :

Description of the Defect : Bolts that attach the hydraulic cylinder clevis to the scissor hoist can break off under heavy load.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the bolts break under heavy load, this breaking could cause the hydraulic cylinder to disengage from the scissor hoist and then cause the dump box to lower back down onto the trailer frame at a rapid rate.

Description of the Cause : Under heavy loads, the outer scissor arms have the potential to flex and then cause a bind in the pivot point that is located at the base of the hydraulic cylinder where it attaches to the scissor hoist. This binding action can place stress on the attachment bolts and clevis that attach the hydraulic cylinder to the scissor hoist, potentially leading to a possible failure.

Identification of Any Warning that can Occur : A visual inspection of the hydraulic cylinder clevis and attachment bolts will show damage or abnormal wear.

Supplier Identification :**Component Manufacturer**

Name : NR

Address : NR

NR

Country : United States

Chronology :

9/13/18: Load Trail (LT) received warranty claim (1st Claim) about failure to hydraulic cylinder (HC) where part of mounting clevis broke. LT believed clevis broke due to cold weld joining clevis to body of HC.

Replacement HC installed by dealer.

9/28/18: LT received new claim (2nd Claim) regarding failure of HC where part of mounting clevis broke. LT reviewed info. and believed clevis broke due to cold weld on clevis. Dealer installed replacement HC.

10/8/18: LT contacted HC supplier about failures. Supplier began investigation.

10/23/18: LT notified of subsequent claim about trailer from 1st Claim. Owner claimed subsequent failure occurred after HC replacement. RMA issued to return trailer to LT.

12/12/18: LT learned repair for 2nd Claim also allegedly failed; RMA issued for trailer.

1/4/19: LT received new claim (3rd Claim) of broken HC bolts at clevis attachment; had no breakage of clevis. Repair completed by dealer. No more claims for this trailer to date.

1/8/19: Trailers from 1st and 2nd Claims arrived.

1/13/19: HC supplier inspected HCs from returned trailers. Supplier did not believe clevis welds were bad.

1/14/19: LT supplied drawings of scissor hoist to the HC to conduct engineering analysis.

3/5/19: LT received similar claim (4th Claim) involving broken bolts at HC clevis attachment. RMA issued for

trailer to inspect pre-repair.

3/6/19: LT investigated & reviewed bolts used to mount HC.

3/8/19: Trailer from 4th Claim arrived.

3/14/19: LT made prelim finding that, with extreme heavy load, 621-scissor hoist could flex in outer scissor arms. Flex could place lower pivot point in temporary bind and stop proper movement at attachment point to HC. Stress placed at attachment point between HC and scissor hoist could cause failure to clevis or bolts.

3/15/19: Based on testing, LT ceased use of 621-scissor hoist and advised dealers to not sell product with this scissor hoist until further testing.

4/1/19: After add'l tests LT decided to initiate safety recall.

Description of Remedy :

Description of Remedy Program : Load Trail will repair the affected trailers using the repair procedures developed and communicated to dealers, which involves (a) additional bracing and replacement bolts sufficient to support the excess weight of extreme heavy loads; and (b) to the extent that the existing hydraulic cylinder and scissor hoist are damaged, then the repairs include replacement parts for the hydraulic cylinder and/or scissor hoist. Load Trail will also agree to reimburse any Load Trail customer who purchased one of the 335 potentially affected trailers who fixed or attempted to fix the binding issue at his or her own cost before Load Trail notified NHTSA or issued its owner notifications.

How Remedy Component Differs from Recalled Component : NR

Identify How/When Recall Condition was Corrected in Production : Load Trail corrected this problem in its trailer manufacturing in April 2019 by using an alternate model scissor hoist.

Recall Schedule :

Description of Recall Schedule : Load Trail anticipates that owner letters will be sent out within 30 days of NHTSA sending a written acknowledgement letter to Load Trail approving the contents of this safety defect report. A final copy of owner letter will be provided to NHTSA, along with repair procedures. All repairs will be completed within 60 days of a customer presenting its trailer to Load Trail for repair.

Planned Dealer Notification Date : JUN 07, 2019 - JUN 07, 2019

Planned Owner Notification Date : JUN 07, 2019 - JUN 07, 2019

* NR - Not Reported