

Part 573 Safety Recall Report

20V-522

Manufacturer Name : PJ Trailers
Submission Date : AUG 28, 2020
NHTSA Recall No. : 20V-522
Manufacturer Recall No. : NR

**Manufacturer Information :**

Manufacturer Name : PJ Trailers
Address : 1807 FM 2352
 Sumner TX 75486
Company phone : 999

Population :

Number of potentially involved : 694
Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2020-2021 PJ Trailers DE
Vehicle Type : TRAILERS
Body Style :
Power Train : NR

Descriptive Information : This Model DE has only been in production since August 2019, and upon investigation, it was determined that the entire population of produced trailers contained the defect.

There is no difference between recalled vehicles and those not included, as all vehicles in this model are being recalled.

There are a total of 694 affected products.

Production Dates : AUG 13, 2019 - AUG 20, 2020

VIN Range 1 : Begin : NR **End :** NR

Not sequential

Description of Defect :

Description of the Defect : During the normal operation of the dump trailer, when lowering the dump box, the secondary hydraulic relief pressure is set at 1,500 psi. When the dump box is in the fully lowered position, if the consumer continues to engage the hydraulic system, the remaining stroke of the cylinder pulls the box into the frame of the trailer, which can cause the attachment bolts of the hydraulic cylinder to fail.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : When the attachment bolts fail, the hydraulic cylinder can become separated from the lifting assembly. Should the hydraulic cylinder separate from the lifting assembly, the next time the cylinder is used, it could result in the

Description of the Cause : failure of the box to raise or the sudden drop of the box as it is being raised. When the dump box is in the fully lowered position, if the consumer continues to engage the hydraulic system, the remaining stroke of the cylinder pulls the box into the frame of the trailer, which can cause the attachment bolts of the hydraulic cylinder to fail.

Identification of Any Warning that can Occur : When the dump box is in the fully lowered position and the hydraulic system continues to operate, audible strain from the pump motor can be heard. There will be no other warnings to precede the failure of the attachment bolts, and the failure will not be visible to the end user. The failure of the attachment bolts will likely not be discovered until the next use of the cylinder.

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 :

In mid-August, 2020, PJ Trailers Warranty Department received three different claims associated with the failure of cylinder attachment bolts on Model DE trailers. An investigation into the cause of the failure was immediately commenced, which included several attempts to recreate claimed failures using a completed trailer to run cycle tests and inspecting the attachment bolts after each test. After multiple attempts, the failure was recreated and on August 20, 2020 the root cause of the failure was discovered.

Description of Remedy :

Description of Remedy Program : Remedy kits which include a replacement hydraulic power unit and three (3) replacement attachment bolts will be sent to dealers based on the number of trailers still in inventory, and additional kits will be sent as repairs are requested. The dealers will be reimbursed based on the estimated time it will take for each repair, upon submission of proof of remedy to PJ Trailers.

How Remedy Component Differs from Recalled Component : The remedy power unit assembly will have a different part number (DC 45327, DC 45328) versus the original (DC 4739 RB, DC 4645 RA). Remedy kits will also include three (3) replacement attachment bolts.

Identify How/When Recall Condition was Corrected in Production : Production of the DE model trailer ceased on August 20, 2020. When production resumes, the new power units (DC 45327, DC 45328), with lowered secondary pressure, will be utilized.

Recall Schedule :

Description of Recall Schedule : Notification of dealers will begin as soon as practicable after approval of the Dealer Notice packet by NHTSA.

Notification of retail purchasers and registered owners will begin as soon as they are identified, but it is anticipated that the majority, if not all, will be identified and have notices mailed to them on or before October 27, 2020.

Planned Dealer Notification Date : SEP 18, 2020 - SEP 28, 2020

Planned Owner Notification Date : OCT 01, 2020 - OCT 27, 2020

* NR - Not Reported