

Part 573 Safety Recall Report

21V-953

Manufacturer Name : Mack Trucks, Inc.

Submission Date : SEP 26, 2023

NHTSA Recall No. : 21V-953

Manufacturer Recall No. : SC0433



Manufacturer Information :

Manufacturer Name : Mack Trucks, Inc.

Address : 2100 Mack Boulevard
PO Box M Allentown PA 18105-5000

Company phone : 610-709-2131

Population :

Number of potentially involved : 20,668

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2008-2022 Mack TerraPro (MRU and TE)

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The recall population is based on vehicles equipped with a PP1 valve fitted with a exhaust fitting and tube.

The total number of vehicles affected that were sold in the U.S. is 20,668 in total.

The models and model years affected by the recall is 2008 - 2019 TerraPro (MRU's) and 2019 to 2022 TerraPro (TE) models

Production Dates : JAN 04, 2007 - DEC 06, 2021

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Description of Defect :

Description of the Defect : A worn PP1 valve (park brake control valve) exhibiting an internal leak may cause air to pass through and out the exhaust port when the park brake is applied. Under certain conditions, the internal leak in combination with the installation of an exhaust hose may result in back pressure sufficient to allow the park brakes to release.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Potential of a vehicle rollaway with the park brake control valve in the on/ applied position, which may result in a vehicle crash, property damage and/ or personal injury.

Description of the Cause : Combination of factors - internal leak path in the valve that exceeds the capacity of the air line to vent the volume of air resulting in back pressure.

Identification of Any Warning : Leakage of the valve and air exiting the exhaust pipe when the park brake is that can Occur : applied.

Involved Components :

Component Name 1 : PP1 Valve combined with exhaust tube.

Component Description : Dash mounted park brake control valve used to apply and release the valve. Fitting and air tube attached to the valve's exhaust port.

Component Part Number : 25117989

Supplier Identification :

Component Manufacturer

Name : Bendix Commercial Vehicle Systems LLC

Address : 901 Cleveland St
Elyria Ohio 44035

Country : United States

Chronology :

May 30, 2019 Mack notified of incident involving a Mack MRU.

Jun 6, 2019 Joint inspection of vehicle performed; components removed for further examination.

Jun 14, 2019 Mack informs NHTSA of incident/ investigation.

Jun 18, 2019 Mack provides notes/ minutes to investigation team.

Jul 19, 2019 Mack receives results on valves removed from fleet owner's vehicles. Valves deemed as worn and leaking requiring replacement.

Feb 2020 Incident reported to Mack. Team deployed to investigate matter.

Mack informs NHTSA of the report/ investigation.

Mar 2020 Results of investigation received. No issues found with brake system. Information shared with owner.

Apr 1, 2020 NHTSA opens PE20-003 to further investigate matter. Apr 20, 2020 Mack receives PE questionnaire from NHTSA.

Jun 1, 2020 Mack responds to NHTSA's inquiry.

Jul 23, 2020 Investigation raised for review at Mack's Product Safety Committee (PSC). PSC supports conclusion of Product Safety Working Group (PSWG) that the reports are not associated with a safety defect.

Aug 10, 2020 Informs that Mack's position is that the reported concern is not a safety defect.

Aug 16, 2021 Mack Sales team receives a report of an incident involving a 12-year-old rear load packer.

Aug 20, 2021 Additional information provided to Mack regarding the incident.

Aug 27, 2021 Mack PSWG informed of incident. Mack informs NHTSA of the report.
 Sept 8, 2021 Mack facilitates a mtg with NHTA, Owner, and supplier.
 Sept 15, 2021 Additional information shared with all parties; including information that the valve installed in the vehicle was an aftermarket replacement (not an OE replacement and different brand/ size).
 Sept 30, 2021 PSC meets and re-visits case. Additional information required.
 Dec 2, 2021 PSWG presents findings to PSC. PSC determines a safety defect.
 Dec 9, 2021 Mack submits defect report to NHTSA.

There are 2 consumer complaints, 3 field reports, and 5 reports involving a crash and/or injury.

Description of Remedy :

Description of Remedy Program :	The exhaust tube and fitting will be removed from the valve. Pre-notification remedies will be addressed according to Mack's reimbursement plan on file with NHTSA.
How Remedy Component Differs from Recalled Component :	The exhaust tube and fitting are removed.
Identify How/When Recall Condition was Corrected in Production :	A stop delivery was issued on December 6, 2021

Recall Schedule :

Description of Recall Schedule :	Dealer notification will occur by Dec. 17, 2021. Owner letters will ne released on or before February 4, 2022.
Planned Dealer Notification Date :	DEC 17, 2021 - DEC 17, 2021
Planned Owner Notification Date :	FEB 04, 2022 - FEB 04, 2022

* NR - Not Reported