



U.S. Department
of Transportation

National Highway
Traffic Safety
Administration

Part 573 Safety Recall Report

25V521

Manufacturer Name: Mack Trucks, Inc.

Submission Date: Aug 11, 2025

NHTSA Recall No.: 25V521

Manufacturer Recall No.: SC0483

Manufacturer Information

Population

Manufacturer Name: Mack Trucks, Inc.

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

Total number of potentially involved: 32

Estimated percentage with defect: 100%

Vehicle Information

Vehicle 1: 2025-2025 MACK PIONEER (PR)

Product Category: Buses, Medium & Heavy Vehicles

Product Type: Tractor

Fuel / Propulsion:

Production Dates: Oct 22, 2024 - Nov 08, 2024

Number of potentially involved: 21

Descriptive Information:

Certain Mack Pioneer (PR) and Anthem (AN) with command steering and oversteer guidance, where oversteer guidance may correct for an oversteer input and then continue to correct in the opposite direction. The resulting oscillations may result in a control issue which requires driver intervention. (Mack MY 2025 Anthem (AN) Pioneer (PR 4) MY 2026 Pioneer (PR 4))

Vehicle 2: 2026-2026 MACK PIONEER (PR)

Product Category: Buses, Medium & Heavy Vehicles

Product Type:

Fuel / Propulsion: Compression Ignition Fuel

Production Dates: Feb 24, 2025 - Jun 23, 2025

Number of potentially involved: 10

Descriptive Information:

Certain Mack Pioneer (PR) and Anthem (AN) with command steering and oversteer guidance, where oversteer guidance may correct for an oversteer input and then continue to correct in the opposite

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direction. The resulting oscillations may result in a control issue which requires driver intervention. (Mack MY 2025 Anthem (AN) Pioneer (PR 4) MY 2026 Pioneer (PR 4))

Vehicle 3: 2025-2025 MACK ANTHEM (AN)

Product Category: Buses, Medium & Heavy Vehicles

Product Type: Tractor

Fuel / Propulsion: Compression Ignition Fuel

Production Dates: Nov 04, 2024 - Nov 04, 2024

Number of potentially involved: 1

Descriptive Information:

Certain Mack Pioneer (PR) and Anthem (AN) with command steering and oversteer guidance, where oversteer guidance may correct for an oversteer input and then continue to correct in the opposite direction. The resulting oscillations may result in a control issue which requires driver intervention. (Mack MY 2025 Anthem (AN) Pioneer (PR 4) MY 2026 Pioneer (PR 4))

Defect / Noncompliance Description

Description of the defect or noncompliance:

Certain Mack Pioneer (PR) and Anthem (AN) with command steering and oversteer guidance, may experience an oversteer correction, where oversteer guidance may correct for an oversteer input and then continue to correct in the opposite direction. The resulting oscillations may result in a control issue which requires driver intervention. (Mack MY 2025 Anthem (AN) Pioneer PR 4) MY 2026 Pioneer (PR 4))

FMVSS1:

FMVSS2:

Description of the safety risk, including crash, fire, death, injury:

In the event of a vehicle oversteer guidance intervention and without driver intervention the on-going correction could result in a crash.

Description of the cause:

In-sufficient vehicle validation of all vehicle variations.

Identification of any warning that can occur:

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Component Manufacturer

Tier of Supplier:

Supplier Type:

Name:

Address:

Country:

Involved Components

Component Name 1: Parameter P1HF9

Component Description: Software Parameter Feature (Oversteer Guidance)

Component Part Number: Software Parameter Feature (Oversteer Guidance) P1HF9

Chronology

July 3, 2025 a concern related to vehicle oversteer guidance is brought to the Product Safety organization and an investigation is opened.

July 21, 2025 Product Safety Evaluation Committee is informed of early results of the investigation and that additional testing is requested.

July 28, 2025 Product Safety Evaluation Committee meets and reviews investigation results and recommends that the issue be escalated to the Product Safety Committee as a potential product safety defect.

August 4, 2025 Product Safety Committee is presented findings from the investigation and the recommendations from the Product Safety Evaluation Committee and makes the determination that a product safety defect exists, that a recall will be conducted and that vehicles do not have to be parked.

August 11, 2025 DIR filed with NHTSA.

There has been one field report related to this issue There have been no warranty claims , accidents or injuries related to this issue.

Related NHTSA Recall Number:

Description of Remedy

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Remedy Type: Disconnect/Disable

Consumer Advisories: ☐ Do Not Drive ☐ Park Outside

Description of remedy program:

Vehicles will be recalled and the oversteer guidance feature will be turned off removing the safety risk. (Parameter P1HF9 will be turned off). Over the air (OTA) programming will be used to turn off the parameter, those vehicles not capable of OTA update or not able to be reached will be corrected by dealers.

How remedy component differs from recalled component:

The feature of oversteer guidance will be turned off, removing the risk of an abrupt over correction in the event of a oversteer event. Parameter P1HF9 will turned off.

Identify how/when recall condition was corrected in production:

Vehicles at our factories were put under a stop shipment effective 5 August 2025 and will not be released until corrected (oversteer guidance removed). Future orders have had this feature removed.

Reimbursement Plan

Manufacturer used general reimbursement plan on file.

Recall Schedule

Description of recall schedule:

Dealers notice will be on or before 15 August 2025.

Owners notice will be on or before 5 October 2025.

Planned Dealer Notification Date: Aug 15, 2025 - Aug 15, 2025

☐ No Dealers

Planned Interim Owner Notification Date:

☐ No Owners

Planned Remedy Owner Notification Date: Oct 05, 2025 - Oct 05, 2025

☐ Phased Recall

Date when VIN will be searchable: Aug 15, 2025