



U.S. Department
of Transportation

National Highway
Traffic Safety
Administration

Part 573 Safety Recall Report

24V792

Manufacturer Name: Mack Trucks, Inc.

Submission Date: Jul 22, 2025

NHTSA Recall No.: 24V792

Manufacturer Recall No.: SC0472

Manufacturer Information

Population

Manufacturer Name: Mack Trucks, Inc.

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

Total number of potentially involved: 59,338

Estimated percentage with defect: 100%

Vehicle Information

Vehicle 1: 2020-2025 MACK TERRAPRO (TE)

Product Category: Buses, Medium & Heavy Vehicles

Product Type: Truck

Fuel / Propulsion: Compression Ignition Fuel

Production Dates: May 02, 2019 - Oct 07, 2024

Number of potentially involved: 85

Descriptive Information:

The recall population is defined by specific vehicles equipped with Bendix EC80 electronic control units (ECU's) and equipped to tow a trailer. Vehicles without towing capability and Bendix EC80 and Power Line Carrier (PLC) communication are excluded from the population.

Vehicle 2: 2020-2024 MACK PINNACLE (PI/PN)

Product Category: Buses, Medium & Heavy Vehicles

Product Type: Tractor

Fuel / Propulsion: Compression Ignition Fuel

Production Dates: May 01, 2019 - Oct 15, 2024

Number of potentially involved: 9,946

Descriptive Information:

The recall population is defined by specific vehicles equipped with Bendix EC80 electronic control units (ECU's) and equipped to tow a trailer. Vehicles without towing capability and Bendix EC80 and Power Line Carrier (PLC) communication are excluded from the population.

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NOTE: 2025 PINNACLE not available in product dropdown 7-17-2025, 2025 population is 1,739. and 2024 population is 1,588. Per Corey Martin

Vehicle 3: 2020-2025 MACK GRANITE (GR)

Product Category: Buses, Medium & Heavy Vehicles

Product Type: Truck

Fuel / Propulsion: Compression Ignition Fuel

Production Dates: May 01, 2019 - Oct 25, 2024

Number of potentially involved: 16,665

Descriptive Information:

The recall population is defined by specific vehicles equipped with Bendix EC80 electronic control units (ECU's) and equipped to tow a trailer. Vehicles without towing capability and Bendix EC80 and Power Line Carrier (PLC) communication are excluded from the population.

Vehicle 4: 2020-2025 MACK ANTHEM (AN)

Product Category: Buses, Medium & Heavy Vehicles

Product Type: Tractor

Fuel / Propulsion: Compression Ignition Fuel

Production Dates: May 01, 2019 - Oct 28, 2024

Number of potentially involved: 32,642

Descriptive Information:

The recall population is defined by specific vehicles equipped with Bendix EC80 electronic control units (ECU's) and equipped to tow a trailer. Vehicles without towing capability and Bendix EC80 and Power Line Carrier (PLC) communication are excluded from the population.

Defect / Noncompliance Description

Description of the defect or noncompliance:

As described in 24E-086, EC80 is an electronic control unit mounted on a towing vehicle. It is a component of an antilock braking system (ABS). Power Line Carrier (PLC) is a trailer to tractor communication system that sends a signal on the electrical connection between the tractor and trailer. PLC purpose is to control the cab mounted trailer-ABS indicator lamp in the towing vehicle. In the presence of high electrical interference (i.e. noise) on the vehicle power line and low PLC signal strength, the EC80 PLC functionality may incorrectly process certain signals. The EC80 may set a fault or stop operating or malfunction. The combination of high electrical interference and low PLC signal strength is more likely on vehicles that tow more than one trailer than vehicles that tow only one trailer. The PLC signal strength may be substantially reduced when other optional devices are connected to

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the power line. These optional devices include trailer based tracking systems. Vehicles with low noise levels and high signal strength may never exhibit the vehicle effects.

FMVSS1:

FMVSS2:

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

As described in 24E-086, The ABS, Automatic Traction Control (ATC), or Electronic Stability Control(ESC) may set an ABS fault or may stop operating. Other functions which strongly interact with ABS such as Active Cruise Control (ACC) and Collision Mitigation System (CMS) may also fault. In extremely rare situations before the system faults or stops operating, if there is a stability event or an automated braking request, the system may respond incorrectly to the event. This can increase the likelihood of a crash.

Description of the cause:

Inadequate systems validation in an operational environment.

Identification of any warning that can occur:

The ABS warning lamp will be illuminated when an ABS fault is detected or when the ABS stops operating.

Component Manufacturer

Tier of Supplier:

Supplier Type:

Name: Bendix Commercial Vehicle Systems, LLC.

Address: 35500 Chester Road
Avon OH, 44011

Country: United States

Involved Components

Component Name 1: Control Unit

Component Description: ABS-Advanced (ESP+)

Component Part Number: 22865025

Chronology

October 11 2024: Bendix management contacts our purchasing organization concerning their upcoming filing of a equipment DIR relative to their EC80 Advanced Electronic Control Units. October 11, 2024:

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Product Safety is notified of the potential issue and opens investigation. October 14, 2024: Product Safety Evaluation Committee meets and reviews communications from Bendix and our internal investigation and recommends that this be escalated to the Product Safety Committee as a potential safety defect. October 17, 2024: Product Safety Committee meets and determines that a product safety defect exists and vehicles will be recalled. October 23, 2024: DIR report filed with NHTSA. There have been 55 warranty claims where an ABS light became illuminated, ABS off line, without additional ABS/ATC/ESC/ACC or CMS systems in use failures. There have been no field reports, no accidents or no injuries reported with this issue.

Related NHTSA Recall Number:

Description of Remedy

Remedy Type: Software

Consumer Advisories: Do Not Drive Park Outside

Description of remedy program:

Vehicle will be recalled and the Bendix EC80 electronic control unit software will be updated.

Reimbursement for the recall will be covered by Manufacturer's Reimbursement Plan on file with NHTSA.

How remedy component differs from recalled component:

The remedy software does not contain the defective PLC functionality. Control Unit, ABS-Advanced (ESP+), 22865025

Identify how/when recall condition was corrected in production:

Vehicles have been identified on October 18, 2024 and placed on hold and will not be released until the EC 80 electronic control unit software is updated.

Reimbursement Plan

Description of reimbursement program:

Period of reimbursement:

Costs to be reimbursed:

Address for reimbursement claims:

Recall Schedule

Part 573 Safety Recall Report**24V792****Description of recall schedule:**

Dealer Notifications will be on or before October 29, 2024 Owners Notifications will be on or before December 13, 2024

Planned Dealer Notification Date: Oct 29, 2024 - Oct 29, 2024 No Dealers

Planned Interim Owner Notification Date: No Owners

Planned Remedy Owner Notification Date: Dec 13, 2024 - Dec 13, 2024 Phased Recall

Date when VIN will be searchable: