

Part 573 Safety Recall Report

21V-233

Manufacturer Name : Mack Trucks, Inc.

Submission Date : APR 27, 2021

NHTSA Recall No. : 21V-233

Manufacturer Recall No. : SC0423



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 : 557

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2018-2022 Mack Anthem (AN), Granite (GR/GU), and Pinnacle(CHU, CXU, PI)

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : Certain vehicles manufactured with a "camelback" rear suspension and electronic stability control that are subject to FMVSS136.
Vehicles were identified by the sales codes for ESC and Camelback suspension and dates August 1, 2017 (effective date of FMVSS136 on certain tractor configurations) and the date when corrective action was implemented.

Production Dates : AUG 16, 2017 - FEB 16, 2021

VIN Range 1 : Begin : NR

End : NR

☐ Not sequential

Description of Noncompliance :

Description of the Noncompliance : The vehicles in question do not meet the performance requirements (i.e. stay within the test lane) over the range of the calculated speeds. The specific section of the regulation is S5.3.3.3, The wheels of the truck tractor or bus must remain within the lane between the start gate (0 degrees of radius arc angle) and the end gate (120 degrees of radius arc angle).

FMVSS 1 : 136 - Electronic Stability Control Systems on Heavy Vehicles

FMVSS 2 : NR

Description of the Safety Risk : The vehicles do not comply with the requirements for all speeds across the range. As a result, there is an increased risk of a vehicle related crash at those speeds.

There are no warranty claims, consumer complaints, field reports, property damage claims, or vehicle crashes associated with this non-compliance.

Description of the Cause : An incorrect interpretation resulted in not testing at the maximum reference speed. After this issue was discovered, re-testing was conducted that resulted in the finding of the non-compliance.

Identification of Any Warning that can Occur : not applicable

Involved Components :

Component Name 1 : Vehicle Parameter files

Component Description : Par file for each vehicle updated with new entry speed setting.

Component Part Number : Not applicable

Supplier Identification :

Component Manufacturer

Name : n/a

Address : NR

NR

Country : NR

Chronology :

February 2020 Potential issue identified. Investigation opened

February 2020 Potential issue reported to Product Compliance Committee (PCC). Further testing and evaluation required

March 17, 2021 Results of investigation presented to PCC. Decision made to raise the investigation to the Product Safety Committee (PSC) for determination.

March 25, 2021 PSC determines that a non-compliance exists, and a recall is required

April 1, 2021 Mack submits a non-compliance report to NHTSA

April 8, 2021 Amended original report.

There are no warranty claims, consumer complaints, field reports, property damage claims, or vehicle crashes associated with this non-compliance.

April 27, 2021 Amended root cause section by removing reference to NHTSA interpretation.

Description of Remedy :

Description of Remedy Program : The vehicles will be repaired by reprogramming the vehicle control units. Pre-notification remedies is not applicable for this non-compliance.

How Remedy Component Differs from Recalled Component : The vehicles stay within the test lane for all test speeds.

Identify How/When Recall Condition was Corrected in Production : March 2021 by introducing new software

Recall Schedule :

Description of Recall Schedule : A non-compliance recall alert will be released to dealers by April 22, 2021. Owner will be notified by May 21, 2021

Planned Dealer Notification Date : APR 22, 2021 - APR 22, 2021

Planned Owner Notification Date : MAY 21, 2021 - MAY 21, 2021

* NR - Not Reported