

Part 573 Safety Recall Report

21V-476

Manufacturer Name : Mack Trucks, Inc.

Submission Date : SEP 20, 2021

NHTSA Recall No. : 21V-476

Manufacturer Recall No. : SC0426



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 : 8

Estimated percentage with defect : 66 %

Vehicle Information :

Vehicle 1 : 2020-2021 Mack Granite

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The recall population was determined by information provided by the supplier. The total number of suspect lift axles provided to Mack is eight (8) in total. According to the supplier the percentage of parts that have the defect is 66%, which is used below.

Production Dates : JUN 14, 2019 - MAY 12, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : Reference 20E055 "A limited number of Watson & Chalin ("W&C") Model SL2065 steerable lift axle suspensions systems may be equipped with lower rear pivot cap screws that are not long enough to sufficiently engage the locking feature of the corresponding nuts."

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Reference 20E055. "In some cases, the above-referenced condition may cause a loss of clamp load of the corresponding pivot joint. Extended use of the suspension in this condition can result in the fracture or loss of the cap screw and related washers and nut. This can further result in foreign object debris on the roadway, increasing the risk of a crash and/or injury. W&C has not received any field reports of accidents due to a cap screw fracture or loss."

Description of the Cause : Reference 20E055. "W&C has determined some of the affected lower rear pivot cap screws that were manufactured at the extreme low side of the length tolerance specification may not sufficiently engage the locking feature of the corresponding nuts during installation."

Identification of Any Warning that can Occur : Reference 20E055 "Possible warning signs that may appear before a lower rear pivot cap screw fracture or loss include an insufficient number of cap screw threads extending beyond the end of the pivot nut, a missing pivot nut, failure of the suspension to lift or lower properly, and suspension noise and vibration."

Involved Components :

Component Name 1 : Lift Axle

Component Description : Lift Axle

Component Part Number : SL2065.174, SL2065.176, SL2065.205

Supplier Identification :

Component Manufacturer

Name : WATSON & CHALIN MANUFACTURING, INC

Address : 725 EAST UNIVERSITY DRIVE
MCKINNEY Texas 75069

Country : United States

Chronology :

June 17, 2021 Mack Regulatory Affairs Department receives inquiry from NHTSA. Investigation Opened. June 18, 2021 Initial investigation confirms that Mack does not purchase parts from this supplier for production use. Direction given to Mack Purchasing to reach out to the supplier for information. June 23, 2021 Mack Purchasing receives records provided by supplier, which is reported to Regulatory Affairs. Regulatory Affairs directs Mack Purchasing to contact supplier and obtain information on when notice was sent and to whom. June 24, 2021 Mack Purchasing receives information, Notice sent to Aftermarket part sales team. June 24, 2021 Mack Regulatory Affairs follows-up with Aftermarket parts sales Vice President. Aftermarket Parts Team investigates and determines that there is no record of receiving the information. See notes for additional information. June 24, 2021 Mack submits defect report to NHTSA.

Description of Remedy :

Description of Remedy Program :	To ensure that these vehicles meet Mack's stringent quality requirements. Replacement of the lower rear pivot fasteners is required. These parts will need to be obtained directly from Watson & Chalin. Pre-notification repairs, if applicable, will be addressed according to the Volvo Group Pre-notification remedy plan on file with NHTSA.
How Remedy Component Differs from Recalled Component :	Reference 20E055. Part # SL2065. The replacement cap screw is longer than the affected cap screw in the field.
Identify How/When Recall Condition was Corrected in Production :	Reference 20E055. Information to identify vehicles was provided by Watson and Chalin, On 05/01/20, W&C engineering and manufacturing implemented a corrective change from an 11.5 in. nominal length cap screw to a 12.0 in. nominal length cap screw

Recall Schedule :

Description of Recall Schedule :	NR
Planned Dealer Notification Date :	JUL 21, 2021 - JUL 21, 2021
Planned Owner Notification Date :	AUG 02, 2021 - AUG 02, 2021

* NR - Not Reported