

Part 573 Safety Recall Report

21E-057

Manufacturer Name : Volvo Trucks North America

Submission Date : SEP 23, 2021

NHTSA Recall No. : 21E-057

Manufacturer Recall No. : NR



Manufacturer Information :

Manufacturer Name : Volvo Trucks North America

Address : 7900 National Service Road
Greensboro NC 27409

Company phone : 800 528 6586

Population :

Number of potentially involved : 1

Estimated percentage with defect : 100 %

Equipment Information :

Brand / Trade 1 : Watson and Chalin

Model : SL2065

Part No. : SL2065.27

Size : RH12-FW335-HJD8

Function : Lift-Axle

Descriptive Information : The recall population was determined based on information provided by the supplier. According to the records provided by Watson and Chalin, one suspect lift axle was sold to Volvo Group North America. The ship to address is a customer in Palm Beach Florida, which suggests it was a direct ship from the supplier to the customer.

Production Dates : JAN 09, 2020 - JAN 09, 2020

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 : Lift Axle

Component Description : Lift Axle

Component Part Number : SL2065.27

Supplier Identification :

Component Manufacturer

Name : WATSON & CHALIN MANUFACTURING, INC

Address : 725 EAST UNIVERSITY DRIVE
MCKINNEY Texas 75069

Country : United States

Chronology :

June 17, 2021 Volvo Group North America Regulatory Affairs Department receives inquiry from NHTSA. Investigation Opened.

June 18, 2021 Initial investigation confirms that Volvo does not purchase parts from this supplier for production use. Direction given to Volvo Group Purchasing to reach out to the supplier for information.

June 23, 2021 Volvo Group Purchasing receives records provided by supplier, which is reported to Regulatory Affairs. Regulatory Affairs directs Volvo Group Purchasing to contact supplier and obtain information on when notice was sent and to whom.

June 24, 2021 Volvo Group Purchasing receives information, Notice sent to Aftermarket part sales team.

June 24, 2021 Volvo 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 Volvo submits defect report to NHTSA.

Description of Remedy :

Description of Remedy Program : W&C will notify its affected vehicle OEM and aftermarket equipment installer customers of this issue, and recommend they and/or their applicable customers who own any vehicles equipped with the subject SL2065 suspension systems to: (1) inspect the suspensions and determine whether the lower rear pivot cap screws meet the criteria for threads extending beyond the respective nuts; (2) if such criteria are not met, contact W&C to order a replacement lower rear pivot fastener service kit free of charge; and (3) use W&C's instructions for installing such replacement fasteners. W&C will manage and track all orders it receives for replacement service kits, as well as its shipments of such kits. W&C will provide a standard allocation of labor hours for installation of the replacement service kits.

Volvo will notify customer. 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. 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. 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 : This recall involved one axle sold to as an aftermarket part. We sent the notice to the owner. As this was a parts sale there was no dealer notification date to enter in the 573 which I think is what NHTSA is looking for here. The vendor provided inspection procedure and instructions for remedy were included in the owner notice.

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : JUL 16, 2021 - JUL 16, 2021

Purchaser Information :

The following manufacturers purchased this defective/noncompliant equipment for possible use or installation in new motor vehicles or new items of motor vehicle equipment:

Name : NR

Address : NR

NR

Country : NR

Company Phone : NR

* NR - Not Reported