

Part 573 Safety Recall Report

23V-690

Manufacturer Name : Volvo Trucks North America**Submission Date :** OCT 13, 2023**NHTSA Recall No. :** 23V-690**Manufacturer Recall No. :** RVXX2311**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 : 1,933

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2024-2024 Volvo VNL/VHD/VNR

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The recall population is vehicles built between July 21, 2023-September 9, 2023 when improper torque may have been used on the castellated nut on the pitman arm to the drag link.

Production Dates : JUL 21, 2023 - SEP 09, 2023

VIN Range 1 : Begin : 4V4N39TG5RN63675 End : 4V4WC9EH1RN642672 Not sequential**Description of Defect :**

Description of the Defect : Insufficient torque on the castellated nut on the pitman arm to the drag link.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the pitman arm to drag link connection should fail in operation, there could be a loss of control of the vehicle which could result in a crash.

Description of the Cause : Inadequate process control of torque and torque auditing within our assembly facilities.

Identification of Any Warning that can Occur : The driver may detect excessive play/looseness or vibration in the steering which would provide warning. Failure of the cotter pin or loosening of the nut may be detected during pre trip inspections.

Involved Components :

Component Name 1 : Castle Nut,

Component Description : M20 x 18 Fine Pitch

Component Part Number : 60112752

Supplier Identification :

Component Manufacturer

Name : Volvo Trucks

Address : 7825 National Service Rd.

Greensboro North Carolina 27409-9667

Country : United States

Chronology :

September 18, 2023 Volvo Product Safety Office receives a report of a potential issue in our factory with a critical joint and a formal investigation is opened. PSRI 23-069 Castle Nut Under-torqued.

October 2, 2023 Findings from the investigation are reviewed by the Product Safety Evaluation Committee and the recommendation is that this is be brought to Product Safety Committee as a potential product safety defect.

October 9, 2023 The Product Safety Committee meets and decides that a product safety defect exists.

October 14, 2023 573 Report filed with NHTSA

There have been no accidents or injuries related to this issue, there have been no warranty claims, field reports or customer complaints associated with this issue.

Description of Remedy :

Description of Remedy Program : Remedy program will be to inspect the castle nuts, re-torque and install new cotter pins.
Reimbursement for the recall will be covered by Manufacturer's Reimbursement Plan on file with NHTSA.

How Remedy Component Differs from Recalled Component : Remedy component has been properly torqued and then cotter pin installed in the castellated nut. Castle Nut, M20 x 18 Fine Pitch, 60112752

Identify How/When Recall Condition was Corrected in Production : Assembly instructions, corrected tooling and auditing in factory updated on September 9, 2023.

Recall Schedule :

Description of Recall Schedule : Dealer notification will begin on October 19, 2023 and owner notification will begin on or before December 3, 2023

Planned Dealer Notification Date : OCT 19, 2023 - OCT 19, 2023

Planned Owner Notification Date : DEC 04, 2023 - DEC 04, 2023

* NR - Not Reported