

Part 573 Safety Recall Report

20V-535

Manufacturer Name : Volvo Trucks North America

Submission Date : SEP 02, 2020

NHTSA Recall No. : 20V-535

Manufacturer Recall No. : RVXX 2003



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 : 12

Estimated percentage with defect : 10 %

Vehicle Information :

Vehicle 1 : 2021-2021 Volvo VNL/VHD/VNR

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : Vehicles in which, torque records were discovered missing for king pin nuts during an investigation indicated that we may have not torqued or possibly installed the king pin nuts.

The recall population has loose or missing nuts where the vehicles which are not recalled do not.

These are vehicles manufactured between 3/27/2020-07/13/2020 VNL/VHD/VNR 2021 model year.

Production Dates : MAR 27, 2020 - JUL 13, 2020

VIN Range 1 : Begin : NR End : NR

☐ Not sequential

Vehicle 2 : 2021-2021 Volvo VNL/VNR/VHD

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : Units where torque records were found to be missing, indicating the potential that they did not have a kingpin nut or that they were not properly torqued.

Production Dates : MAR 27, 2020 - JUL 13, 2020

VIN Range 1 : Begin : NR End : NR

☐ Not sequential

Description of Defect :

Description of the Defect : King pin nut may have not been installed or properly torqued during axle assembly.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Failure to torque and/or install the king pin nut may impact handling characteristics of the vehicle and may result in the knuckle separating from the end of the axle if the king pin becomes dislodged.
Volvo has not received any reports of vehicle crashes as a result of this defect. Volvo is taking the proactive measure to conduct a voluntary safety recall to protect our customers and other road users from the potential risk related to the defect.

Description of the Cause : Manufacturing defect

Identification of Any Warning that can Occur : The driver may experience heavy steering and other handling issues due to the binding of the knuckle to the axle interface. Grease caps may be missing due to the kingpin movement.

Involved Components :

Component Name 1 : NR

Component Description : NR

Component Part Number : NR

Supplier Identification :**Component Manufacturer**

Name : Westport Axle Corporation

Address : 802 Kyle Ave.

Roanoke VIRGINIA 24012

Country : United States

Chronology :

July 13, 2020 Field report to Volvo Reliability Engineering of a vehicle where the king pin nut was reported missing.

July 20, 2020 Product Safety Working Group Reported and investigation initiated.
August 12, 2020 Containment of units missing torque records vehicle on hold at our factory was identified with a loose king pin nut.
August 14, 2020 Population with vehicles with missing torque values
August 27, 2020 Product Safety Committee meets and determines a safety defect exists
September 2, 2020 Volvo notifies NHTSA of the decision to execute a voluntary safety recall of these vehicles.

1 Field report and no property damage or injury reports

Description of Remedy :

Description of Remedy Program :	Vehicles will be inspected and have the torque checked for proper torque, during that inspection the presence of the king pin nut will be verified as well. Pre-notification remedies will be address according to Volvo's reimbursement plan that is on file with NHTSA.
How Remedy Component Differs from Recalled Component :	Properly torqued and verified installation of the king pin nut. Documented to vehicle.
Identify How/When Recall Condition was Corrected in Production :	August 12, 2020 Containment at our factory and secondary inspection prior to installation of grease caps and axle assembly operations.

Recall Schedule :

Description of Recall Schedule :	September 8 2020 Dealer notification of a safety recall alert. Owners will be notified by mail by September 11 2020. Dealers and Customers are being contacted through our field organization in advance of these communications to secure and inspect the vehicles.
Planned Dealer Notification Date :	SEP 08, 2020 - SEP 08, 2020
Planned Owner Notification Date :	SEP 11, 2020 - SEP 11, 2020

* NR - Not Reported