

Part 573 Safety Recall Report

17V-536

Manufacturer Name : Volvo Trucks North America

Submission Date : SEP 20, 2017

NHTSA Recall No. : 17V-536

Manufacturer Recall No. : RVXX1702



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 : 470

Estimated percentage with defect : NR

Vehicle Information :

Vehicle 1 : 2016-2016 Volvo VNL, VNM

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : Certain 2016 VNL and VNM model vehicles manufactured from March 20 2015 through June 30, 2015 with certain Dana axles. Dana provided Volvo with a list of axle serial numbers that was used to identify the affected vehicles.

Production Dates : MAR 20, 2015 - JUN 30, 2015

VIN Range 1 : Begin : NR

End : NR

☐ Not sequential

Description of Defect :

Description of the Defect : According to Dana, "In affected steer axles, the castellated nut and cotter pin may not have been torqued to expected torque. As a result, the tie rod may become loose in the steer axle, causing significant auditory warning and/or looseness in steering. If a vehicle operator continues to operate the vehicle in spite of this advanced warning, the tie rod may in rare instances become disconnected from the knuckle."

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : According to Dana, "If the tie rod disconnects from the steering knuckle, the driver may lose full control of a vehicle wheel (normally the right front tire)."

Description of the Cause : According to Dana, "The castellated nuts in the tie rods may not have been properly torqued during assembly."

Identification of Any Warning that can Occur : According to Dana, "Before a tie rod can disconnect from the vehicle, a driver should experience significant warning, including noise and loosened steering."

Supplier Identification :**Component Manufacturer**

Name : Dana Driveshaft Manufacturing LLC
Address : 3939 Technology Drive
Maumee OHIO 43537
Country : United States

Chronology :

August 22, 2017, Dana notifies Volvo and shares that they are conducting a voluntary safety recall. Volvo opens an investigation to determine vehicles that may be affected by Dana's voluntary recall. August 29, 2017 Volvo submits a 573 report with available information. September 6, 2017 Defect report updated to include models, vehicle build dates, vehicle counts, and additional information required under the Fast Act. September 7, 2017 Further revision to vehicle counts.

Description of Remedy :

Description of Remedy Program : Volvo will inspect all units in the field according to instructions provided by Dana to ensure that the castellated nuts in the tie rods are properly torqued, and will tighten nuts that are not. The tie rod stud and knuckle will be replaced on units in which the nuts cannot be sufficiently torqued.

How Remedy Component Differs from Recalled Component : The inspection campaign will check and (where needed) correct the torque and will replace parts damaged.

Steer Axle Assembly, STEER AXLE ASSY - BARE (E-1322IC) 69" KPI
VOLVO, Dana Part Number 1322BN108 002, Volvo part number
21987350; Dana Part Number 1202BN108 001, Volvo part number
21987341; Dana Part Number 1202BN108 002, Volvo part number
21987342

Identify How/When Recall Condition was Corrected in Production : Dana began using feedback-controlled torque installation equipment in May 2015, and instituted corrected assembly procedures.

Recall Schedule :

Description of Recall Schedule : Sept. 15 put in as place holders. We hope to release the information sooner.

Planned Dealer Notification Date : SEP 15, 2017 - SEP 15, 2017

Planned Owner Notification Date : OCT 16, 2017 - OCT 16, 2017

* NR - Not Reported