

Part 573 Safety Recall Report

16V-927

Manufacturer Name : Volvo Trucks North America**Submission Date :** DEC 20, 2016**NHTSA Recall No. :** 16V-927**Manufacturer Recall No. :** RVXX1607**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 : 16

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2017-2017 Volvo VHD, VNL, VNM

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : Certain 2017 VHD, VNL, and VNM model trucks manufactured from February 19, 2016 through June 21, 2016

The selection of vehicle was based on the front hub rating.

Production Dates : FEB 19, 2016 - JUN 21, 2016

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

Description of the Defect : The front hubs used do not support the gross axle weight rating of the front axle. Specifically, 5,987 Kg (13,200 lbs.) rated front hubs were used on trucks requiring a 6,622 Kg (14,600 lbs.) rated front axle.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : This can result in premature failure of the hub, bearings etc., which may cause the front hub assembly to separate from the front axle. If the front hub assembly separates, the driver may lose control of the vehicle or parts may be dropped on the road that can present a risk for other motorist.

Volvo has received no reports of hub failure or separation of the hub. Therefore, Volvo considers this as a proactive measure to protect the public and Volvo's customers from the potential risk associated with this defect.

Description of the Cause : Restrictions were not established in engineering documentation system to prevent use in 14,600 lbs. application.

Identification of Any Warning that can Occur : By performing the required inspections for checking wheel end play, hub assembly issues will be detected before separation can occur. In addition, the ABS Malfunction light should provide warning as the distance between the ABS tone ring and the sensor increases (i.e. sensor loses contact with the tone ring).

Supplier Identification :

Component Manufacturer

Name : NR
Address : NR
NR
Country : NR

Chronology :

September 15, 2016 Potential issue identified with hub ratings

October 12, 2016 Preliminary information submitted to Volvo Product Safety Working Group for consideration. Investigation opened

November 21, 2016 Investigation results provided. Decision made to raise potential issue to the Product Safety Committee for decision.

December 13, 2016 Volvo determines that a safety related defect exists and that a recall is required.

December 20, 2016 Volvo informs NHTSA that a voluntary safety recall will be conducted to address the affected trucks

Description of Remedy :

Description of Remedy Program : The front hub assemblies on the affected vehicles will be changed to properly rated hubs. Pre-notification repairs will be addressed using Volvo's pre-notification Reimbursement plan on file with NHTSA.

How Remedy Component Differs from Recalled Component : The hubs are correctly rated to support the gross axle weight rating stated on the certification label.

Identify How/When Recall Condition Action was taken in October 2016 to address the issue. Restrictions were put in place to ensure that hubs could not be used in applications requiring

was Corrected in Production : a 14,600 lb. axle weight rating.

Recall Schedule :

Description of Recall Schedule : Dealers will be notified with a safety recall alert by December 22, 2016 and owners will be notified by February 17, 2017.

Planned Dealer Notification Date : DEC 22, 2016 - DEC 22, 2016

Planned Owner Notification Date : FEB 17, 2017 - FEB 17, 2017

* NR - Not Reported