

Part 573 Safety Recall Report

23V-689

Manufacturer Name : Volvo Trucks North America**Submission Date :** OCT 13, 2023**NHTSA Recall No. :** 23V-689**Manufacturer Recall No. :** RVXX2310**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 : 29

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2024-2024 Volvo VNL/VNR

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The recall population is vehicles built from September 5, 2021 through September 12, which have Electronic Stability Control, while that specific program (VCP3.050 Factory Software) was being used to program vehicles in our factory.

Production Dates : SEP 05, 2023 - SEP 12, 2023

VIN Range 1 : Begin : 4V4WC9EHXRN650057 End : 4V4WC9DH7RN655492 Not sequential**Description of Defect :**

Description of the Defect : Electronic stability control on these vehicles is inoperative due to the lack of yaw input in the vehicles as a result of a software programming error.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : In the event of the need for a stability control intervention, the vehicle will not have that ability to mitigate a loss of stability event due to vehicle spin. Which may increase the risk of a crash.

Description of the Cause : In-adequate validation of factory level programming tool software change.

Identification of Any Warning that can Occur : After a short period of driving, the driver information display will indicate that the Electronic Stability Control is not working due to self diagnostics.

Involved Components :

Component Name 1 : Control Unit

Component Description : ABS-Advanced (ESP+)

Component Part Number : 23103633

Supplier Identification :

Component Manufacturer

Name : Volvo Trucks

Address : 7825 National Service Rd.

Greensboro North Carolina 27409-9667

Country : United States

Chronology :

September 13, 2023 Volvo Product Safety Office receives a report that there may be an issue with stability control programming within our factories and a formal investigation is opened. PSRI Stability Control Programming 23-068

October 2, 2023 Findings from the investigation are reviewed by the Product Safety Evaluation Committee and the recommendation is that this 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 program the ABS/ESP ECU with software which restores the functionality of the yaw sensor to the stability control program.

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 will be the update of software programming of the ABS/ESP ECU to restore functionality of yaw sensor enabling the stability control program to work. Control Unit, ABS-Advanced (ESP+) 23103633

Identify How/When Recall Condition was Corrected in Production : Programming tool was corrected in our factories on September 14, 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 03, 2023 - DEC 03, 2023

* NR - Not Reported