

Part 573 Safety Recall Report

23V-255

Manufacturer Name : Volvo Trucks North America**Submission Date :** APR 11, 2023**NHTSA Recall No. :** 23V-255**Manufacturer Recall No. :** RVXX2303**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 : 236

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2020-2023 Volvo VNR Electric

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : HYBRID ELECTRIC

Descriptive Information : The population is electric mobility vehicles which are equipped with adaptive cruise control enabled. Vehicles which are not electric mobility and do not have adaptive cruise control enabled are not impacted.

Production Dates : APR 16, 2019 - OCT 19, 2022

VIN Range 1 : Begin : 4V4W19KN0NN611441 End : 4V5W19KN2NN608097 ☒ Not sequentialVIN Range 2 : Begin : 4V4W19KN0NN611441 End : 4V5W19KN2NN608097 ☒ Not sequential**Description of Defect :**

Description of the Defect : During an adaptive cruise control braking event under light load conditions, regenerative braking could be aggressive with the potential of locking brakes and alternating anti-skid braking events, skidding the rear axle.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Overly aggressive brake event which could result in loss of control which could result in a vehicle crash.

Description of the Cause : Adaptive cruise control was enabled without sufficient systems integration and software tuning.

Identification of Any Warning that can Occur : There are no warnings associated with this event.

Involved Components :

Component Name 1 : Volvo Systems Engineering

Component Description : NA

Component Part Number : NA

Supplier Identification :

Component Manufacturer

Name : Volvo

Address : NR

NR

Country : NR

Chronology :

March 13, 2023 Volvo discovered that adaptive cruise control components, specifically front radar, had been installed on our battery electric platform, the system had not been integrated into the battery electric driveline.

March 15, 2023 Product Safety Working Group opens an investigation on this issue.

March 20, 2023 Product Safety Working Group review of findings from investigation decides to recommend that this be raised to the Product Safety Committee as a potential safety defect.

March 30, 2023 Product Safety Committee reviews recommendation and asks for additional data relative to vehicle behavior.

April 3, 2023 Product Safety Committee meets and determines that a product safety defect exists.

April 7, 2023 573 Report Filed with NHTSA.

There have been no accidents or injuries or field complaints or warranty claims related to this issue.

Description of Remedy :

Description of Remedy Program : Remedy program has not been finalized at this time.

Reimbursement for the recall will be covered by Manufacturer's Reimbursement Plan on file with NHTSA.

How Remedy Component Differs from Recalled Component : Remedy program has not been finalized at this time.

Identify How/When Recall Condition was Corrected in Production : Currently these vehicles under our control in production are under a stop shipment pending correction.

Recall Schedule :

Description of Recall Schedule : DEALER NOTIFICATION 4/11/2023. OWNER NOTIFICATION PLANNED BY 6/2/2023.

Planned Dealer Notification Date : APR 11, 2023 - APR 11, 2023

Planned Owner Notification Date : JUN 02, 2023 - JUN 02, 2023

* NR - Not Reported