

Part 573 Safety Recall Report

23V-001

Manufacturer Name : Volvo Car USA, LLC**Submission Date :** JAN 05, 2023**NHTSA Recall No. :** 23V-001**Manufacturer Recall No. :** R10213**Manufacturer Information :**

Manufacturer Name : Volvo Car USA, LLC

Address : 270 Three Point Drive
Ridgeville SC 29472

Company phone : 201-768-7300

Population :

Number of potentially involved : 74

Estimated percentage with defect : 10 %

Vehicle Information :

Vehicle 1 : 2019-2022 Volvo V60CC

Vehicle Type : LIGHT VEHICLES

Body Style : STATIONWAGON

Power Train : GAS

Descriptive Information : Concerned vehicles are certain 2019-2022 Volvo V60CC, XC60 and XC90 from the supplier production in the supplier's production multi "O-assembly" line, screw assembly station has in rare cases fed double screws on top of each other. Only steering gears delivered with a specific fault code is affected. 74 U.S. vehicles are affected.

Production Dates : NOV 15, 2018 - FEB 07, 2019

VIN Range 1 : Begin : YV4102WK7L1039317 End : YV4102WK7L1039317 Not sequential

Vehicle 2 : 2019-2022 Volvo XC60

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Concerned vehicles are certain 2019-2022 Volvo V60CC, XC60 and XC90 from the supplier production in the supplier's production multi "O-assembly" line, screw assembly station has in rare cases fed double screws on top of each other. Only steering gears delivered with a specific fault code are affected. 74 U.S. vehicles are affected.

Production Dates : NOV 15, 2018 - FEB 07, 2019

VIN Range 1 : Begin : YV4102DK2L1598342 End : YV4L12RL8N1026766 Not sequential

Vehicle 3 : 2019-2022 Volvo XC90

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Concerned vehicles are certain 2019-2022 Volvo V60CC, XC60 and XC90 from the supplier production in the supplier's production multi "O-assembly" line, screw assembly station has in rare cases fed double screws on top of each other. Only steering gears delivered with a specific fault code is affected. 74 U.S. vehicles are affected.

Production Dates : NOV 15, 2018 - FEB 07, 2019

VIN Range 1 : Begin : YV4102CK1N1775516 End : YV4BROCZ1N1809028 Not sequential

Description of Defect :

Description of the Defect : Volvo Car investigations has shown a potential issue with the steering gear due to a manufacturing defect in the supplier's production multi "O-assembly" line, screw assembly station has in rare cases fed double screws on top of each other.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : There is a risk of the steering wheel locking up due to the screw falling into the gearbox housing, increasing the risk of a crash.

Description of the Cause : The root cause is a manufacturing defect which occurred in the supplier's production multi "O-assembly" line, screw assembly station has in rare cases fed double screws on top of each other and the screw could potentially fall into the gearbox housing.

Identification of Any Warning that can Occur : The customer will receive no warnings messages and grinding noise may occur when turning.

Involved Components :

Component Name 1 : Steering Gear

Component Description : NR

Component Part Number : NR

Supplier Identification :

Component Manufacturer

Name : ROBERT BOSCH AUTOMOTIVE STEERING
Address : HAVASI LÁSZLÓ UTCA 2, Hungary
Foreign States
Country : Hungary

Chronology :

Condition considered critical by Critical Management Team 2022-12-21; Field Service Action decision confirmed by Volvo Car Corporation 2022-12-28; Condition detected by supplier inspection; Number of vehicle reports with the condition reported from National Sales Company 1; Total Number of Cars included in Vehicle Reports concerning this condition 1; Implementation date of Field Service Action 2022-12-29; The Supplier reported to Volvo Cars 2022 September 2 that a loose screw was detected in the inspected steering gear. A root cause investigation was started together with the supplier in order to understand if this was a single case; The issue was presented to Critical Concern Management Team (CCMT) November 30, 2022. CCMT ordered a start of technical investigation including risk assessment. The technical investigation was completed December 21 and presented to CCMT. CCMT decided it was a safety critical issue and ordered start preparation for a safety recall. The recall preparation is planned to be completed December 28 and is scheduled to launch December 29.

Description of Remedy :

Description of Remedy Program :	To remedy concerned vehicles, Volvo Cars will replace the Steering Gear.
How Remedy Component Differs from Recalled Component :	Only steering gears delivered with a specific assembly line fault code are affected. Concerned vehicles are certain 2019-2022 Volvo V60CC, XC60 and XC90 vehicles will receive a new Steering Gear that are not affected by the double fed screws during assembly.
Identify How/When Recall Condition was Corrected in Production :	Supplier production line where a station has a specific "torquing time-out" stop with a traceable fault code. Only steering gears delivered with a specific fault code is affected.

Recall Schedule :

Description of Recall Schedule : Remedy Notices
Planned Dealer Notification Date : JAN 05, 2023 - JAN 05, 2023
Planned Owner Notification Date : MAR 01, 2023 - MAR 01, 2023

* NR - Not Reported