

Part 573 Safety Recall Report

20V-378

Manufacturer Name : Volvo Car USA LLC

Submission Date : JUN 30, 2020

NHTSA Recall No. : 20V-378

Manufacturer Recall No. : R10029



Manufacturer Information :

Manufacturer Name : Volvo Car USA LLC

Address : 270 Three Point Drive
Ridgeville SC 29472

Company phone : 6177846027

Population :

Number of potentially involved : 307,910

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2007-2020 Volvo S60CC, S60L, V60CC, S60, XC60, V60, XC70, V70, S80, S80L

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : Breakage/fatigue of the steel cable, which is mounted on the outboard side of the front seats and connected to the front seat belts, can overtime suffer from wear and fatigue if repeatedly bent over the seat cushion, this may result in permanent elongation. Fatigue to the cable could lead to insufficient cable strength to support seat belt function during crash and in a worst case could result in reduced or no seat belt restraint function.

Production Dates : FEB 07, 2006 - DEC 23, 2019

VIN Range 1 : Begin : YV1AS714171000850 End : YV1AS73CDG1200258

☐ Not sequential

VIN Range 2 : Begin : YV1FS9056B2000194 End : YV1FS79C1J2471810

☐ Not sequential

VIN Range 3 : Begin : YV1BW714081000312 End : YV1BW73CDG1377262

☐ Not sequential

VIN Range 4 : Begin : YV1BZ985681000328 End : YV1BZ81C6G1274096

☐ Not sequential

VIN Range 5 : Begin : YV1FHA5C6G2000001 End : YV1FHA5C6J2007666

☐ Not sequential

VIN Range 6 : Begin : LYVFD63A6EB000097 End : LYVFD26D9LB231006

☐ Not sequential

VIN Range 7 : Begin : LVSHGFAM79F005101 End : LVSHGFAR8FF087833

☐ Not sequential

VIN Range 8 : Begin : YV1FW7051B1001066 End : YV1FWA8CDJ2412296

☐ Not sequential

VIN Range 9 : Begin : YV1DZ714492000022 End : YV1DZ97C6G2928332

☐ Not sequential

VIN Range 10 : Begin : YV4612HM0F1000025 End : YV440MWK7J2059826

☐ Not sequential

Description of Defect :

Description of the Defect : Breakage/fatigue of the steel cable, which is mounted on the outboard side of the front seats, can overtime occur during entering the vehicle, under certain circumstances. Fatigue to the cable could lead to insufficient cable strength to support seat belt function during crash.

FMVSS 1 : 209 - Seat belt assemblies

FMVSS 2 : NR

Description of the Safety Risk : Insufficient cable strength to support seat belt function during crash. Risk of reduced or no seat belt restraint function, increasing risk for injury during crash.

Description of the Cause : Under certain circumstances when entering the vehicle, bending of the steel cable repeatedly over the seat structure, while in a critical height position, single strands are loaded beyond their yield strength which may result in permanent elongation.
Over time this may cause fatigue resulting in breakage of the steel cable.

Identification of Any Warning that can Occur : Front seat belt cable fastener may come loose.

Involved Components :

Component Name 1 : Seat belt cable fastening

Component Description : Seat belt cable fastening

Component Part Number : NR

Supplier Identification :

Component Manufacturer

Name : Autoliv ASP, Inc.

Address : 1320 Pacific Drive
Auburn Hills MICHIGAN 48326

Country : United States

Chronology :

A. Condition considered as Critical by CCMT* 2020-06-24

B. Field Action decision by Volvo Car Corporation 2020-06-26

C. Condition detected by? (market VR**, internal, inspection, testing) Market

D. Number of VR with the condition, reported to Volvo Cars worldwide 17

E. Total number of cars included in VRs concerning the condition? 18

F. Implementation date 2020-06-26

-February 2015, Investigation started based on 2 Italian vehicles.

- December 2016, Investigation ended, no defect trend could be confirmed, decision to monitor field situation.
- During 2017, no additional vehicle reports.
- December 2018, 2 additional vehicle reports.
- January to May 2019, 4 additional vehicle reports, material sent to VCC for analysis. No US reports received to date.
- June to September 2019, Analysis of field data and returned parts.
- October 2019 to June 2020, Joint investigation with Autoliv.
- June 2020 recall decision taken.

Description of Remedy :

Description of Remedy Program : To remedy the concerned vehicles Volvo Cars will replace the seat belt fastener

How Remedy Component Differs from Recalled Component : New design of seat belt fastener for both front driver/passenger seats

Identify How/When Recall Condition was Corrected in Production : Vehicles are no longer manufactured

Recall Schedule :

Description of Recall Schedule : NR

Planned Dealer Notification Date : JUN 30, 2020 - JUN 30, 2020

Planned Owner Notification Date : AUG 25, 2020 - AUG 25, 2020

* NR - Not Reported