

Part 573 Safety Recall Report

21V-414

Manufacturer Name : Volvo Car USA, LLC**Submission Date :** JUN 17, 2021**NHTSA Recall No. :** 21V-414**Manufacturer Recall No. :** R10100**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 : 85,550

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2019-2020 VOLVO S60

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : 15A fuse was introduced in production 18w47 with new Pump Electronic Module (PEM). In 19w52 a 20A fuse was introduced in production. Only concern vehicles equipped with engines 08 (B4204T20), 10 (B4204T23), 25 (B4204T26), A2 (B4204T27), A3 (B4204T29), AK (B4204T31), AL (B4204T44), AM (B4204T50), A (B1APHEV), BF (B1CPHEV), BG (B1DPHEV), BM (B1EPHEV) and BR (B1FPHEV).

Production Dates : JUN 28, 2018 - DEC 25, 2019

VIN Range 1 : Begin : 7JRBROFLXKG000146 End : LVYZBAKD0LP056564 Not sequential

Vehicle 2 : 2019-2020 VOLVO V60

Vehicle Type : LIGHT VEHICLES

Body Style : STATIONWAGON

Power Train : GAS

Descriptive Information : During 18w47 introduction of new Pump Electronic Module (PEM) and a 20A fuse introduced in production 19w52. Only concern vehicles equipped with engines 08 (B4204T20), 10 (B4204T23), 25 (B4204T26), A2 (B4204T27), A3 (B4204T29), AK (B4204T31), AL (B4204T44), AM (B4204T50), A (B1APHEV), BF (B1CPHEV), BG (B1DPHEV), BM (B1EPHEV) and BR (B1FPHEV).

Production Dates : JUN 19, 2018 - DEC 09, 2019

VIN Range 1 : Begin : YV1ZWBMUDK1002219 End : YV1ZWAKVDL2372524 Not sequential

Vehicle 3 : 2019-2020 VOLVO V60CC

Vehicle Type : LIGHT VEHICLES

Body Style : STATIONWAGON

Power Train : GAS

Descriptive Information : 15A fuse was introduced in production 18w47 with new Pump Electronic Module (PEM). In 19w52 a 20A fuse was introduced in production. Only concern vehicles equipped with engines 08 (B4204T20), 10 (B4204T23), 25 (B4204T26), A2 (B4204T27), A3 (B4204T29), AK (B4204T31), AL (B4204T44), AM (B4204T50), A (B1APHEV), BF (B1CPHEV), BG (B1DPHEV), BM (B1EPHEV) and BR (B1FPHEV).

Production Dates : DEC 05, 2018 - DEC 02, 2019

VIN Range 1 : Begin : YV1ZZ10MCK1000461 End : YV4102WK9L1041330 Not sequential

Vehicle 4 : 2019-2020 VOLVO S90

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : 15A fuse was introduced in production 18w47 with new Pump Electronic Module (PEM). In 19w52 a 20A fuse was introduced in production. Only concern vehicles equipped with engines 08 (B4204T20), 10 (B4204T23), 25 (B4204T26), A2 (B4204T27), A3 (B4204T29), AK (B4204T31), AL (B4204T44), AM (B4204T50), A (B1APHEV), BF (B1CPHEV), BG (B1DPHEV), BM (B1EPHEV) and BR (B1FPHEV).

Production Dates : NOV 23, 2018 - DEC 23, 2019

VIN Range 1 : Begin : LVYPS102DKP063113 End : LVYA2APS3LP083763 Not sequential

Vehicle 5 : 2019-2020 VOLVO XC90

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : 15A fuse was introduced in production 18w47 with new Pump Electronic Module (PEM). In 19w52 a 20A fuse was introduced in production. Only concern vehicles equipped with engines 08 (B4204T20), 10 (B4204T23), 25 (B4204T26), A2 (B4204T27), A3 (B4204T29), AK (B4204T31), AL (B4204T44), AM (B4204T50), A (B1APHEV), BF (B1CPHEV), BG (B1DPHEV), BM (B1EPHEV) and BR (B1FPHEV).

Production Dates : NOV 07, 2018 - DEC 05, 2019

VIN Range 1 : Begin : YV1LFBMUDK1463538 End : YV4102PKOL1585584 Not sequential

Vehicle 6 : 2019-2020 VOLVO V90CC

Vehicle Type : LIGHT VEHICLES

Body Style : STATIONWAGON

Power Train : GAS

Descriptive Information : 15A fuse was introduced in production 18w47 with new Pump Electronic Module (PEM). In 19w52 a 20A fuse was introduced in production. Only concern vehicles equipped with engines 08 (B4204T20), 10 (B4204T23), 25 (B4204T26), A2 (B4204T27), A3 (B4204T29), AK (B4204T31), AL (B4204T44), AM (B4204T50), A (B1APHEV), BF (B1CPHEV), BG (B1DPHEV), BM (B1EPHEV) and BR (B1FPHEV).

Production Dates : NOV 26, 2018 - DEC 04, 2019

VIN Range 1 : Begin : YV1PZ10G1K1078477 End : YV1PZA3TCL1110020 Not sequential

Vehicle 7 : 2019-2020 VOLVO S90L

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : 15A fuse was introduced in production 18w47 with new Pump Electronic Module (PEM). In 19w52 a 20A fuse was introduced in production. Only concern vehicles equipped with engines 08 (B4204T20), 10 (B4204T23), 25 (B4204T26), A2 (B4204T27), A3 (B4204T29), AK (B4204T31), AL (B4204T44), AM (B4204T50), A (B1APHEV), BF (B1CPHEV), BG (B1DPHEV), BM (B1EPHEV) and BR (B1FPHEV).

Production Dates : NOV 08, 2018 - DEC 23, 2019

VIN Range 1 : Begin : LVYPD10D5KP102246 End : LVYPD10D1LP167533 Not sequential

Vehicle 8 : 2019-2020 VOLVO XC60

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : 15A fuse was introduced in production 18w47 with new Pump Electronic Module (PEM). In 19w52 a 20A fuse was introduced in production. Only concern vehicles equipped with engines 08 (B4204T20), 10 (B4204T23), 25 (B4204T26), A2 (B4204T27), A3 (B4204T29), AK (B4204T31), AL (B4204T44), AM (B4204T50), A (B1APHEV), BF (B1CPHEV), BG (B1DPHEV), BM (B1EPHEV) and BR (B1FPHEV).

Production Dates : NOV 07, 2018 - MAR 11, 2020

VIN Range 1 : Begin : LYVUE10D5KB279852 End : PNVUZA2ACL5541849 Not sequential

Vehicle 9 : 2019-2020 VOLVO V90

Vehicle Type : LIGHT VEHICLES

Body Style : STATIONWAGON

Power Train : GAS

Descriptive Information : 15A fuse was introduced in production 18w47 with new Pump Electronic Module (PEM). In 19w52 a 20A fuse was introduced in production. Only concern vehicles equipped with engines 08 (B4204T20), 10 (B4204T23), 25 (B4204T26), A2 (B4204T27), A3 (B4204T29), AK (B4204T31), AL (B4204T44), AM (B4204T50), A (B1APHEV), BF (B1CPHEV), BG (B1DPHEV), BM (B1EPHEV) and BR (B1FPHEV).

Production Dates : OCT 30, 2018 - DEC 01, 2019

VIN Range 1 : Begin : YV1PWA3TCK1097111 End : YV1A22VLXL1134603 Not sequential

Description of Defect :

Description of the Defect : Volvo Cars quality investigations have identified that there may be a risk that the 15A fuse to the low-pressure fuel pump could blow. This was identified initially at the factory when filling the fuel system with petrol and also in some cases in the market.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : After a wake-up/pre-run, e.g. unlocking the vehicle, opening the door, or pushing on the brake pedal. The 15A fuse might blow when Engine Control Module (ECM) demands shut off of the Fuel Delivery Module (FDM) due to electrical current peaks.

A blown fuse will prevent the low-pressure fuel pump to operate. If this should occur, in the very worst case, this will lead to stalling, increasing the risk of a crash or serious injury. No start of internal combustion engine (ICE). Driver Information Module (DIM) message will be displayed.

A Plug in Hybrid Electric Vehicle (PHEV) vehicle will be able to either stop safely or continue to drive as long as the battery charge allows. Volvo Cars centrally has not received any reports alleging injuries, fatalities or crashes related to this condition.

Description of the Cause : 15A fuse may not withstand an electric current peak when Engine Control Module (ECM) demands shut off of the Fuel Delivery Module (FDM).

Identification of Any Warning that can Occur : No start of internal combustion engine (ICE).

Driver Information Module (DIM) message will be displayed.

A Plug in Hybrid Electric Vehicle (PHEV) vehicle will be able to either stop safely or continue to drive as long as the battery charge allows.

Involved Components :

Component Name 1 : Fuse

Component Description : 15A Fuse

Component Part Number : 31346548

Supplier Identification :

Component Manufacturer

Name : Vitesco Technologies GmbH

Address : Sodener Str. 9

Schwalbach Foreign States 65824

Country : Germany

Chronology :

12-10-2020 - Investigation into alleged stalling began after receiving 1 retailer Vehicle Report from Japan; 12-11-2020 - Discussion with supplier; 01-13-2021 - Continued Discussion with supplier; 12/10/2020 to 05-26-2021 - Volvo Cars has not received any reports of stalling in the U.S. market, so technical investigation continued into alleged stalling; 05-26-2021 - Condition Considered as Critical by Critical Concern Management Team (CCMT), 06-02-2021 - Field Action decision confirmed by Volvo Car Corporation, 06-02-2021 - Implementation Date. Condition detected by Market Vehicle Reports (VR) and Internal (factory), Number of Vehicle reports (VR) with the condition, reported to Volvo Cars from NSC 38, Total number of cars included in Vehicle reports concerning the condition 46. Volvo Cars centrally has not received any reports alleging injuries, fatalities, or crashes related to this condition.

Description of Remedy :

Description of Remedy Program : To remedy the concerned vehicles Volvo Cars needs to change a 15A fuse (in position 43) to a 20A fuse at no charge to the customer/owner.

How Remedy Component Differs from Recalled Component : Replace 15A fuse with 20A fuse

Identify How/When Recall Condition was Corrected in Production : A 20A fuse introduced in production; Week 52, 2019

Recall Schedule :

Description of Recall Schedule : REMEDY NOTICES

Planned Dealer Notification Date : JUN 02, 2021 - JUN 02, 2021

Planned Owner Notification Date : AUG 01, 2021 - AUG 01, 2021

* NR - Not Reported