Part 573 Safety Recall Report 25V-179

Manufacturer Name : Volvo Car USA, LLC
Submission Date : MAR 20, 2025
NHTSA Recall No. : 25V-179
Manufacturer Recall No. : R10312

Manufacturer Information :

Manufacturer Name : Volvo Car USA, LLC
Address : 1800 Volvo Place
Mahwah NJ 07430
Company phone : 201-768-7300

Population :

Number of potentially involved : 7,483
Estimated percentage with defect : 5 %

Vehicle Information :

Vehicle 1 : 2020-2022 Volvo S60
Vehicle Type : LIGHT VEHICLES
Body Style : 4-DOOR
Power Train : HYBRID ELECTRIC
Descriptive Information : The recall population are certain model year 2020 to 2022 plug-in hybrid S60, V60, V90, S90, XC60 and XC90 vehicles produced with LG high voltage battery modules built between June 3rd, 2019, to November 30th, 2021. During this production period there was supplier process deviation that could lead to a risk of an internal short circuit with certain battery cells within the battery module. The recalled products differ from products that were not included in the recall because of the affected cell modules listed in production dates. This recall affects model year 2020 to 2022 plug-in hybrid S60, V60, S90, XC60 and XC90 vehicles.
Production Dates : JUN 25, 2019 - NOV 30, 2021
VIN Range 1 : Begin : 7JRBK0FP1LG043458 End : 7JRBR0FZ9NG172788 ☑ Not sequential

Vehicle 2 : 2020-2022 Volvo V60
Vehicle Type : LIGHT VEHICLES
Body Style : HATCHBACK
Power Train : HYBRID ELECTRIC
Descriptive Information : The recall population are certain model year 2020 to 2022 plug-in hybrid S60, V60, V90, S90, XC60 and XC90 vehicles produced with LG high voltage battery modules built between June 3rd, 2019, to November 30th, 2021. During this production period there was supplier process deviation that could lead to a risk of an internal short circuit with certain battery cells within the battery module. The recalled products differ from products that were not included in the recall because of the affected cell modules listed in production dates. This recall affects model year 2020 to 2022 plug-in hybrid S60, V60, S90, XC60 and XC90 vehicles.
Production Dates : JUL 01, 2019 - NOV 02, 2021
VIN Range 1 : Begin : YV1BK0EP0L1355638 End : YV1BK0EPXM1435286 ☑ Not sequential

Vehicle 3 :	2022-2022 Volvo V90
Vehicle Type :	
Body Style :	
Power Train :	NR
Descriptive Information :	The recall population are certain model year 2020 to 2022 plug-in hybrid S60, V60, V90, S90, XC60 and XC90 vehicles produced with LG high voltage battery modules built between June 3rd, 2019, to November 30th, 2021. During this production period there was supplier process deviation that could lead to a risk of an internal short circuit with certain battery cells within the battery module. The recalled products differ from products that were not included in the recall because of the affected cell modules listed in production dates. This recall affects model year 2020 to 2022 plug-in hybrid S60, V60, S90, XC60 and XC90 vehicles.
Production Dates :	NOV 02, 2021 - NOV 02, 2021
VIN Range 1 :	Begin : YV1PWBFVDN1177841 End : YV1PWBFVDN1177841 ☑ Not sequential

Vehicle 4 :	2020-2021 Volvo S90
Vehicle Type :	LIGHT VEHICLES
Body Style :	4-DOOR
Power Train :	HYBRID ELECTRIC
Descriptive Information :	The recall population are certain model year 2020 to 2022 plug-in hybrid S60, V60, V90, S90, XC60 and XC90 vehicles produced with LG high voltage battery modules built between June 3rd, 2019, to November 30th, 2021. During this production period there was supplier process deviation that could lead to a risk of an internal short circuit with certain battery cells within the battery module. The recalled products differ from products that were not included in the recall because of the affected cell modules listed in production dates. This recall affects model year 2020 to 2022 plug-in hybrid S60, V60, S90, XC60 and XC90 vehicles.
Production Dates :	JUN 03, 2019 - MAY 17, 2021
VIN Range 1 :	Begin : LVYBR0AL0MP235270 End : LVYBR0ATXMP197577 ☑ Not sequential

Vehicle 5 :	2020-2022 Volvo XC60
Vehicle Type :	LIGHT VEHICLES
Body Style :	SUV
Power Train :	HYBRID ELECTRIC
Descriptive Information :	The recall population are certain model year 2020 to 2022 plug-in hybrid S60, V60, V90, S90, XC60 and XC90 vehicles produced with LG high voltage battery modules built between June 3rd, 2019, to November 30th, 2021. During this production period there was supplier process deviation that could lead to a risk of an internal short circuit with certain battery cells within the battery module. The recalled products differ from products that were not included in the recall because of the affected cell modules listed in production dates. This recall affects model year 2020 to 2022 plug-in hybrid S60, V60, S90, XC60 and XC90 vehicles.
Production Dates :	JUN 04, 2019 - NOV 29, 2021
VIN Range 1 :	Begin : YV4BK0DP0L1440788 End : YV4BR0DZXN1976325 ☑ Not sequential

Vehicle 6 :	2020-2022 Volvo XC90
Vehicle Type :	LIGHT VEHICLES
Body Style :	SUV
Power Train :	HYBRID ELECTRIC
Descriptive Information :	The recall population are certain model year 2020 to 2022 plug-in hybrid S60, V60, V90, S90, XC60 and XC90 vehicles produced with LG high voltage battery modules built between June 3rd, 2019, to November 30th, 2021. During this production period there was supplier process deviation that could lead to a risk of an internal short circuit with certain battery cells within the battery module. The recalled products differ from products that were not included in the recall because of the affected cell modules listed in production dates. This recall affects model year 2020 to 2022 plug-in hybrid S60, V60, S90, XC60 and XC90 vehicles.
Production Dates :	JUN 17, 2019 - NOV 29, 2021

VIN Range 1 : Begin : YV4BR00K0L1557003 End : YV4BR0KU3L1626443 ☑ Not sequential

Description of Defect :

Description of the Defect :	Volvo Cars investigations have identified a production deviation with the battery module(s), that could lead to a thermal runaway within the battery module when the battery is fully charged and parked.
FMVSS 1 :	NR
FMVSS 2 :	NR
Description of the Safety Risk :	As a result, a short circuit in the high voltage battery module can increase the risk of a fire.
Description of the Cause :	The root cause analysis has identified a supplier process deviation that could lead to a risk of an internal short circuit with certain battery cells within the module. This process defect could potentially lead to overheating of the battery cells, when the battery is fully charged and the vehicle is parked, resulting in a thermal event.
Identification of Any Warning that can Occur :	The main customer symptom is a thermal event occurring within the battery when the vehicle is parked and fully charged. Volvo Cars has no reports of these types of incidents occurring while driving. Volvo Cars centrally has not received any reports alleging injuries, fatalities, or crashes related to this condition.

Involved Components :

Component Name 1 :	Battery Cell Module
Component Description :	NR
Component Part Number :	NR

Supplier Identification :

Component Manufacturer

Name :	LG Energy Solution Battery(Nanjing) Co.,
Address :	No.79 Hengtong Road, Nanjing Economical Nanjing Foreign States 210038
Country :	China

Chronology :

Considered as a critical concern by CCMT 2025-03-14; Field Service Action decision confirmed by Volvo Car Corporation 2025-03-19; Condition detected by Market; Number of vehicle reports with the condition, reported to Volvo Cars from the NSC 1;
Total number of cars included in vehicle reports concerning this condition 2; Implementation date of Field Service Action 2025-03-20.

Extended Chronology:
2024-02-06 Volvo cars received the first report indicating thermal event. An investigation was initiated to review the customer symptom and a possible root cause.
The investigation was escalated to the Critical Concern Action Process (CCAP). The issue was concluded as potentially critical and the Critical Concern Management Team (CCMT) initiated a technical investigation to conclude customer symptom, risk assessment, testing, root cause etc.
On the 2025-03-14 the technical investigation was completed, the CCMT team took the decision to start preparation for a recall as it was judged as an increased risk towards motor vehicle safety.

Description of Remedy :

Description of Remedy Program :	To remedy affected vehicles, Volvo Cars will first inspect the cars included in the recall campaign with a dealer based analytical method that will identify cell deviations within battery modules. If no evidence of a potential issue is found, the car will receive a software upgrade to monitor the batteries. If a potential problem is found, the high-voltage battery module(s) will be replaced free of charge in addition to the installation of the diagnostic software mentioned above. Volvo Cars is now preparing a corrective action for the affected vehicles and the customers will be notified through a customer letter. Volvo Cars estimate the start date for repairs to 2025-03-20. If an out-of-pocket expense has been paid for prior to this repair being performed, prior to receiving this letter, customers may be eligible to receive reimbursement for the cost of obtaining a pre-notification remedy of the problem associated with this recall. For more information, please refer to Volvo Customer Care Center by phone at 1-800-458-1552, 24 hours a day, 7 days a week. You may also contact Volvo by going to https://volvo.custhelp/app/homeV3.
How Remedy Component Differs from Recalled Component :	The vehicles identified in this recall are equipped with LG high voltage batteries produced between June 3rd, 2019, to November 30th, 2021. Vehicles in this recall will replace the high voltage battery module(s) if necessary and will be monitored by software if no potential risks are identified.
Identify How/When Recall Condition was Corrected in Production :	Cell modules produced after November 30th, 2021, are not affected by this supplier process deviation.

Recall Schedule :

Description of Recall Schedule :	Remedy Notices
Planned Dealer Notification Date :	MAR 20, 2025 - MAR 20, 2025
Planned Owner Notification Date :	MAY 15, 2025 - MAY 15, 2025

* NR - Not Reported