

Part 573 Safety Recall Report

21V-110

Manufacturer Name : Polestar Automotive USA, Inc.

Submission Date : MAR 05, 2021

NHTSA Recall No. : 21V-110

Manufacturer Recall No. : R10079



Manufacturer Information :

Manufacturer Name : Polestar Automotive USA, Inc.

Address : 1 Volvo Drive
ROCKLEIGH NJ 07647

Company phone : 999

Population :

Number of potentially involved : 3,134

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2021-2022 Polestar Polestar 2

Vehicle Type : LIGHT VEHICLES

Body Style : HATCHBACK

Power Train : HYBRID ELECTRIC

Descriptive Information : Concerned vehicles were certain 2021-2022 Polestar 2 from start of production to new software introduction February 24, 2021. A fault in the Battery Energy Control Module (BECM) micro-processor operating system causing a BECM micro-processor reset. Supplier's responsibility due to BECM software with a faulty micro-processor operating system.

Volvo Cars centrally has not received any reports alleging injuries, fatalities, or crashes related to this condition.

Production Dates : DEC 09, 2019 - FEB 04, 2021

VIN Range 1 : Begin : LPSVSEDEEML000322 End : LPSVBEGE8NL046012 ☒ Not sequential

Description of Defect :

Description of the Defect : Polestar has identified that there is a risk of that a micro-processor reset in the Battery Energy Control Module (BECM) may cause the High Voltage contactors to open during driving.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : In a worst-case scenario during driving, without any initial warning, there may be a risk that the high voltage system gets unintentionally disconnected. Worst case scenario is loss of propulsion during driving increasing the risk of crash and injury. Full steering and brake capability remain.

Volvo Cars centrally has not received any reports alleging injuries, fatalities, or crashes related to this condition.

Description of the Cause : A fault in the BECM micro-processor operating system causing A BECM micro-

processor reset.
Supplier responsibility.

Identification of Any Warning that can Occur : Worst case scenario is loss of propulsion during driving. Full steering and brake capability remain.

Involved Components :

Component Name 1 : BECM software with updated micro-processor operati

Component Description : BECM software with updated micro-processor operating system.

Component Part Number : NR

Supplier Identification :

Component Manufacturer

Name : Lear Automatic Electronics

Address : No 5 Building, No. 509, Renging RD
Shanghai Foreign States 201201

Country : China

Chronology :

A. Condition considered as Critical by CCMT*	2021-02-19
B. Field Action decision by Polestar	2021-02-24
C. Condition detected by? (market VR**, internal, inspection, testing)	Market
D. Number of VR with the condition, reported to Volvo Cars from NSC?	5
E. Total number of cars included in VRs concerning the condition?	5
F. Implementation date	2021-02-24

*Critical Concern Management Team, ** technical reports

Description of Remedy :

Description of Remedy Program : To remedy the concerned vehicles Polestar needs to perform a Software Upgrade.
Either an authorized Polestar retailer or an over-the-air (“OTA”) update will update the software.

How Remedy Component Differs from Recalled Component : Concerned vehicles were certain 2021-2022 Polestar 2 vehicles which will receive the updated software update.

Identify How/When Recall Condition was Corrected in Production : Concerned vehicles are from start of production to new software introduction February 24, 2021.

Recall Schedule :

Description of Recall Schedule : REMEDY NOTICES

Planned Dealer Notification Date : FEB 24, 2021 - FEB 24, 2021

Planned Owner Notification Date : MAY 18, 2021 - MAY 18, 2021

* NR - Not Reported