

Part 573 Safety Recall Report

22V-541

Manufacturer Name : BMW of North America, LLC

Submission Date : AUG 31, 2022

NHTSA Recall No. : 22V-541

Manufacturer Recall No. : NR



Manufacturer Information :

Manufacturer Name : BMW of North America, LLC

Address : P.O. Box 1227

Westwood NJ 07675-1227

Company phone : 18005257417

Population :

Number of potentially involved : 158

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2022-2023 BMW iX xDrive50, iX M60

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : HYBRID ELECTRIC

Descriptive Information : Approximately 105 vehicles were manufactured with a high voltage battery that may not have been produced by the supplier according to specifications.

Basis for recall population determination:

Vehicle manufacturing information and supplier production records were reviewed to determine the potentially affected vehicle population.

Recall component difference to non-recall component:

One or more battery cells may not have been produced by the supplier according to specifications.

Production Dates : NOV 19, 2021 - AUG 01, 2022

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 2 : 2022-2022 BMW i4 eDrive40, i4 M50

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : Approximately 53 vehicles were manufactured with a high voltage battery that may not have been produced by the supplier according to specifications.

Basis for recall population determination:

Vehicle manufacturing information and supplier production records were reviewed to determine the potentially affected vehicle population.

Recall component difference to non-recall component:

One or more battery cells may not have been produced by the supplier according to specifications.

Production Dates : NOV 22, 2021 - AUG 08, 2022

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : The high voltage battery may not have been produced according to specifications. During battery cell production at the supplier, a cathode plate may have been damaged which could have allowed pieces/debris to enter a battery cell. As a result, this could lead to a short-circuit.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : In rare cases, a short-circuit could lead to a thermal event which could increase the risk of an injury.

Description of the Cause : NR

Identification of Any Warning that can Occur : NR

Involved Components :

Component Name 1 : High Voltage Battery

Component Description : High Voltage Battery

Component Part Number : i4 - 8847350, 8847342, iX - 8846469, 8846460

Supplier Identification :

Component Manufacturer

Name : Samsung SDI Co. Ltd.

Address : 467

Beonyeong-ro Cheonan Foreign States 31086

Country : Korea, Republic of

Chronology :

On April 16, 2022, BMW became aware of a non-US field incident involving a 2022 BMW i4 eDrive40. An engineering investigation was initiated, and the supplier was contacted.

A review of the battery supplier production records for the vehicle from the April incident was performed. Analyses suggested an irregularity during the supplier's production process which may have allowed debris to enter into a battery cell. Further analyses were able to identify cathode pieces within the battery cell.

On June 3, 2022, BMW became aware of a US field incident involving a Model Year 2022 iX xDrive50, and on June 19, 2022, BMW became aware of a non-US field incident involving a 2022 BMW iX M60. Similar analyses were performed, and similar findings were identified involving an irregularity during the supplier's production process.

Vehicle assembly information and supplier production and process records were reviewed to determine the number, and production dates, of potentially affected vehicles.

On July 20, 2022, BMW decided to conduct a voluntary safety recall.

BMW has not received any reports, nor is BMW otherwise aware, of any accidents or injuries related to this issue.

On July 29, 2022, BMW became aware of a field incident involving a Model Year 2022 i4 M50 company-owned vehicle. Further analyses were performed by the supplier involving the battery cell production process. As a result of these analyses, and through parts tracing, additional vehicles were identified as having potentially suspect battery cells.

Accordingly, on August 26, 2022, these vehicles were added to the recall.

Description of Remedy :

Description of Remedy Program : The affected battery cell modules will be replaced. Until the remedy is available, drivers will be instructed to not drive, and to not charge their vehicles, as well as, to park their vehicles away from structures.

Owners are being contacted by phone. Owners will also be notified by First Class mail advising them of the recall and to schedule an appointment with an authorized BMW dealer to have the remedy performed for free. If this condition were to occur to a potentially affected vehicle prior to this recall, the remedy would be covered by the BMW New Vehicle Limited Warranty program. Therefore, reimbursement for a pre-notification remedy re Part 573.13 and Part 577.11 is not necessary.

How Remedy Component Differs from Recalled Component : Recall component: High Voltage Battery – part number: (i4 – 8847350, 8847342, iX – 8846469, 8846460)

Identify How/When Recall Condition was Corrected in Production : NR

Recall Schedule :

Description of Recall Schedule : Dealer notification is expected to begin and end on July 27, 2022.

Owner notification is expected to begin and end on September 19, 2022

Planned Dealer Notification Date : JUL 27, 2022 - JUL 27, 2022

Planned Owner Notification Date : SEP 19, 2022 - SEP 19, 2022

* NR - Not Reported