

Part 573 Safety Recall Report

23V-295

Manufacturer Name : BMW of North America, LLC**Submission Date :** MAY 17, 2023**NHTSA Recall No. :** 23V-295**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 : 48

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2022-2023 BMW i4 eDrive35, i4 eDrive40, i4 M50

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : Approximately 30 vehicles were manufactured with an electrical connection within the high voltage battery Cell Monitoring Circuit that may not have been assembled according to specifications.

Basis for recall population determination:

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

Recall component difference to non-recall component:

The electrical connection within the high voltage battery Cell Monitoring Circuit may not have been assembled according to specifications.

Production Dates : NOV 12, 2021 - APR 04, 2023

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2022-2024 BMW iX xDrive50

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : HYBRID ELECTRIC

Descriptive Information : Approximately 18 vehicles were manufactured with an electrical connection within the high voltage battery Cell Monitoring Circuit that may not have been assembled according to specifications.

Basis for recall population determination:
Vehicle manufacturing information and supplier production and process records were reviewed to determine the potentially affected vehicle population.

Recall component difference to non-recall component:
The electrical connection within the high voltage battery Cell Monitoring Circuit may not have been assembled according to specifications.

Production Dates : DEC 14, 2021 - MAR 23, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : The electrical connection within the high voltage battery Cell Monitoring Circuit may not have been assembled according to specifications. The connectors at each end of the connection may not have been properly secured. This could cause an interruption of electrical power and result in stalling.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If stalling occurred, this could increase the risk of a crash. A restart of the vehicle may be possible and would allow for continued driving. The driver would also be alerted by a warning message.

Description of the Cause : NR

Identification of Any Warning that can Occur : NR

Involved Components :

Component Name 1 : High-Voltage Battery Cell Monitoring Circuit

Component Description : High-Voltage Battery Cell Monitoring Circuit

Component Part Number : 8841837-03, 8841836-03, 8845307-03

Supplier Identification :

Component Manufacturer

Name : Panasonic Automotive Systems Europe GmbH
Address : Caroline-Herschel Strasse 100
Ottobrunn Foreign States 85521
Country : Germany

Chronology :

On March 14, 2023, BMW became aware of a vehicle quality check anomaly involving its electrical system during an end-of-line test at a vehicle assembly plant. A vehicle hold was issued, and an investigation was initiated.

Preliminary information indicated that the test anomaly involved the vehicle's high-voltage battery Cell Monitoring Circuit (CSC). The high-voltage battery supplier was contacted, and information was reviewed including production process records and images.

Further reviews indicated that an electrical connection within the CSC may not have been assembled to specifications, as certain connectors may not have been properly secured. It was suggested that this could lead to an interruption of electrical power.

By April 6th, the complete review of the supplier production process images from start-of-production was completed. Additional testing including test bench and dynamic shaker tests were performed. On April 14th, the analysis of the test data suggested that the interruption of electrical power could occur while driving.

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

On April 19, 2023, BMW decided to conduct a voluntary safety recall.

In late April, a vehicle quality check during an end-of-line test at a vehicle assembly plant identified an electrical system anomaly. It was suggested that this could be similar to the issue that had been identified earlier. Additional analyses were conducted and, on May 10, 2023, BMW decided to add additional potentially affected vehicles to the voluntary safety recall.

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

Description of Remedy :

Description of Remedy Program : The high voltage battery Cell Monitoring Circuit will be replaced.

Owners will 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 Cell Monitoring Circuit – part number: 8841837-03, 8841836-03, 8845307-03

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 April 26, 2023.

Owner notification is expected to begin and end on June 16, 2023.

Planned Dealer Notification Date : APR 26, 2023 - APR 26, 2023

Planned Owner Notification Date : JUN 16, 2023 - JUN 16, 2023

* NR - Not Reported