

Part 573 Safety Recall Report

23V-449

Manufacturer Name : BMW of North America, LLC

Submission Date : JUN 28, 2023

NHTSA Recall No. : 23V-449

Manufacturer Recall No. : NR



Manufacturer Information :

Population :

Manufacturer Name : BMW of North America, LLC

Number of potentially involved : 69

Address : P.O. Box 1227

Estimated percentage with defect : 100 %

Westwood NJ 07675-1227

Company phone : 18005257417

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 14 vehicles were manufactured with a high voltage battery Combined Charging Unit (CCU) that may not have been produced by the supplier 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 high voltage battery Combined Charging Unit (CCU) may not have been produced by the supplier according to specifications.

Production Dates : JUN 27, 2022 - SEP 01, 2022

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 2 : 2022-2023 BMW i4 eDrive40, i4 M50

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : Approximately 54 vehicles were manufactured with a high voltage battery Combined Charging Unit (CCU) that may not have been produced by the supplier 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 high voltage battery Combined Charging Unit (CCU) may not have been produced by the supplier according to specifications.

Production Dates : JUN 21, 2022 - JUL 29, 2022

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 3 : 2023-2023 BMW i760 xDrive

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : Approximately 1 vehicle was manufactured with a high voltage battery Combined Charging Unit (CCU) that may not have been produced by the supplier 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 high voltage battery Combined Charging Unit (CCU) may not have been produced by the supplier according to specifications.

Production Dates : SEP 01, 2022 - SEP 01, 2022

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : The high voltage battery Combined Charging Unit (CCU) may not have been produced by the supplier according to specifications. Certain components of the CCU may not have been appropriately connected and/or assembled. This could cause an interruption of electrical power while driving 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.

Description of the Cause : NR

Identification of Any Warning that can Occur : NR

Involved Components :

Component Name 1 : High Voltage Battery Combined Charging Unit (CCU)

Component Description : High Voltage Battery Combined Charging Unit (CCU)

Component Part Number : 61445A5CA28

Supplier Identification :

Component Manufacturer

Name : Panasonic Automotive Systems Europe GmbH

Address : Robert Bosch Strasse 27-29
Langen Foreign States D-63225

Country : Germany

Chronology :

On May 17, 2023, BMW became aware of a possible issue involving the high voltage battery Combined Charging Unit (CCU) from the CCU supplier. An engineering investigation was initiated.

Discussions with the supplier occurred, as well as reviews of production process records. The supplier indicated that an internal validation check resulted in an Electro-Magnetic Compatibility (EMC) anomaly.

On May 29th, the supplier indicated that potentially suspect parts had passed end-of-line testing. However, it

was unclear if these parts would perform without incident in a vehicle.

In June, further reviews indicated that the function of the completed CCU may be impaired due to incorrect rework of some parts by the supplier. It was suggested that this could lead to various CCU performance issues, including an interruption of electrical power while driving and result in stalling.

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

On June 21, 2023, 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.

Description of Remedy :

Description of Remedy Program : The high voltage battery Combined Charging Unit (CCU) 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 Combined Charging Unit (CCU) – part number: 61445A5CA28

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 June 28, 2023.

Owner notification is expected to begin and end on August 18, 2023.

Planned Dealer Notification Date : JUN 28, 2023 - JUN 28, 2023

Planned Owner Notification Date : AUG 18, 2023 - AUG 18, 2023

* NR - Not Reported