

Part 573 Safety Recall Report

23V-118

Manufacturer Name : BMW of North America, LLC**Submission Date :** FEB 23, 2023**NHTSA Recall No. :** 23V-118**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 : 120

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2023-2023 BMW 330i, 330i xDrive, M340i, M340i xDrive, M3

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Approximately 19 vehicles have had a replacement part installed during a dealer service visit in which the vehicle programming and coding update may not have resulted in a correct update.

Basis for recall population determination: Vehicle assembly information and dealer service records were reviewed to determine the production date range of potentially affected vehicles.

Recall component difference to non-recall component: During a dealer service visit, the vehicle may not have received an appropriate update.

Production Dates : JUL 06, 2022 - DEC 02, 2022

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2023-2023 BMW 330e, 330e xDrive

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : Approximately 10 vehicles have had a replacement part installed during a dealer service visit in which the vehicle programming and coding update may not have resulted in a correct update.

Basis for recall population determination: Vehicle assembly information and dealer service records were reviewed to determine the production date range of potentially affected vehicles.

Recall component difference to non-recall component: During a dealer service visit, the vehicle may not have received an appropriate update.

Production Dates : AUG 16, 2022 - NOV 16, 2022

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 3 : 2022-2023 BMW 4 Series Gran Coupe (430i, 430i xDrive, M440i xDrive)

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Approximately 16 vehicles have had a replacement part installed during a dealer service visit in which the vehicle programming and coding update may not have resulted in a correct update.

Basis for recall population determination: Vehicle assembly information and dealer service records were reviewed to determine the production date range of potentially affected vehicles.

Recall component difference to non-recall component: During a dealer service visit, the vehicle may not have received an appropriate update.

Production Dates : SEP 08, 2021 - JUN 07, 2022

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 4 : 2023-2023 BMW 4 Series Coupe (430i xDrive, M440i)

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Approximately 2 vehicles have had a replacement part installed during a dealer service visit in which the vehicle programming and coding update may not have resulted in a correct update.

Basis for recall population determination: Vehicle assembly information and dealer service records were reviewed to determine the production date range of potentially affected vehicles.

Recall component difference to non-recall component: During a dealer service visit, the vehicle may not have received an appropriate update.

Production Dates : JUL 27, 2022 - OCT 24, 2022

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 5 : 2022-2023 BMW i4 eDrive40, i4 M50

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information :

Approximately 72 vehicles have had a replacement part installed during a dealer service visit in which the vehicle programming and coding update may not have resulted in a correct update.

Basis for recall population determination: Vehicle assembly information and dealer service records were reviewed to determine the production date range of potentially affected vehicles.

Recall component difference to non-recall component: During a dealer service visit, the vehicle may not have received an appropriate update.

Production Dates : JAN 25, 2022 - NOV 15, 2022

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 6 : 2023-2023 BMW 4 Series Convertible (430i)

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Approximately 1 vehicle has had a replacement part installed during a dealer service visit in which the vehicle programming and coding update may not have resulted in a correct update.

Basis for recall population determination: Vehicle assembly information and dealer service records were reviewed to determine the production date range of potentially affected vehicles.

Recall component difference to non-recall component: During a dealer service visit, the vehicle may not have received an appropriate update.

Production Dates : JUL 13, 2022 - JUL 13, 2022

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : This safety recall involves Body Domain Controller (BDC) Electronic Control Unit (ECU) replacement parts that may have been installed, on vehicles of a specific engineering release and production configuration, during a dealer service visit. The BDC ECU controls the Automatic Door Locking (ADL) function. Vehicles subject to this recall were correctly produced, in which the ADL function is set to "default on" (door are automatically locked when the vehicle begins to accelerate from rest), and, the doors can only be unlocked after the vehicle comes to rest.

Vehicles subject to this recall did not receive a correct programming and coding update during a dealer service visit when the BDC ECU was replaced. As a result, ADL functionality would not operate as intended, and could lead to an unlocked door condition. In certain severe crashes, it could be possible for an unlocked door to open subsequent to the crash impact event.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If a door opened subsequent to the crash impact event, this could increase the risk of injury.

Description of the Cause : NR

Identification of Any Warning that can Occur : NR

Involved Components :

Component Name 1 : Body Domain Controller (BDC) ECU

Component Description : Body Domain Controller (BDC) Electronic Control Unit (ECU)

Component Part Number : Software - N/A

Supplier Identification :

Component Manufacturer

Name : BMW AG

Address : NR

NR

Country : NR

Chronology :

In May 2022, a complaint was received pertaining to the functionality of the Automatic Door Locking (ADL) feature. A review found that a warranty claim had been processed involving replacement of the Body Domain Controller (BDC) Electronic Control Unit (ECU) on a Model Year 2022 BMW 4 Series.

During the latter half of 2022, additional warranty claims involving BDC ECU replacement were received and processed. As additional claims occurred, it was suggested that an analysis be undertaken to determine if BDC ECU replacement affected ADL functionality. By the end of 2022, approximately 27 claims involving ADL functionality became known.

In early 2023, an engineering review was initiated to understand if the BDC ECU warranty claims related to ADL functionality might have an effect upon vehicle performance in a crash. A review of regulatory requirements was performed. A review of test results indicated that FMVSS 214 requirements were met. The engineering review indicated that, in certain severe crashes, it could be possible for an unlocked door to open subsequent to the crash impact event.

Vehicle assembly information and dealer service records were reviewed to determine the number and production dates of potentially affected vehicles.

On February 15, 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 that may be related to this issue.

Description of Remedy :

Description of Remedy Program : Potentially affected vehicles will receive a programming update.

Owners are planned to be notified by First Class mail and instructed to take their vehicle to an authorized BMW dealer to have the remedy performed for free. If this condition was noticed on 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 : Recalled Component: Body Domain Control (BDC) Electronic Control Unit (ECU) – part number – software – N/A

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

Recall Schedule :

Description of Recall Schedule : Notification to dealers is planned to begin and end on February 23, 2023.

Notification to owners is planned to begin and end on April 17, 2023.

Planned Dealer Notification Date : FEB 23, 2023 - FEB 23, 2023

Planned Owner Notification Date : APR 17, 2023 - APR 17, 2023

* NR - Not Reported