

# Part 573 Safety Recall Report

# 23V-026

**Manufacturer Name :** BMW of North America, LLC

**Submission Date :** JAN 25, 2023

**NHTSA Recall No. :** 23V-026

**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 :** 3,431

**Estimated percentage with defect :** 100 %

## Vehicle Information :

**Vehicle 1 :** 2022-2023 BMW i4 eDrive40

**Vehicle Type :** LIGHT VEHICLES

**Body Style :** 4-DOOR

**Power Train :** HYBRID ELECTRIC

**Descriptive Information :** Approximately 1,988 vehicles may not fully conform to FMVSS 141 Section 5.

**Basis for recall population determination:** Vehicle assembly information and supplier production records were used to determine the specific dates of potentially affected vehicles.

**Recall component difference to non-recall component:** Vehicles have been programmed with external artificial sound generation software that may not fully conform to FMVSS 141.

**Production Dates :** NOV 11, 2021 - DEC 22, 2022

**VIN Range 1 : Begin :**

NR

**End :** NR

Not sequential

Vehicle 2 : 2022-2023 BMW iX xDrive50

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : HYBRID ELECTRIC

Descriptive Information : Approximately 1,443 vehicles may not fully conform to FMVSS 141 Section 5.

Basis for recall population determination: Vehicle assembly information and supplier production records were used to determine the specific dates of potentially affected vehicles.

Recall component difference to non-recall component: Vehicles have been programmed with external artificial sound generation software that may not fully conform to FMVSS 141.

Production Dates : JAN 13, 2022 - DEC 21, 2022

VIN Range 1 : Begin :

NR

End : NR

Not sequential

## Description of Noncompliance :

Description of the Noncompliance : This non-compliance recall involves the external artificial sound generator control unit. During vehicle start-up, the control unit may, sporadically, experience a fault condition. As a result, the control unit software may not, in certain vehicle operating conditions, generate the required external artificial sound. Therefore, potentially affected vehicles may not fully conform to FMVSS 141 Section 5.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : In certain vehicle operating conditions, this could increase the risk of injury to certain pedestrians who may need this sound to be aware of potentially affected vehicles in close proximity.

Description of the Cause : NR

Identification of Any Warning that can Occur : NR

## Involved Components :

Component Name 1 : External Artificial Sound Generator Software

Component Description : External Artificial Sound Generator Software

Component Part Number : N/A - Software

## Supplier Identification :

### Component Manufacturer

Name : Harman Becker Automotive Systems

Address : Becker-Görling-Strasse 16  
Karlsbad Foreign States 76307

Country : Germany

## Chronology :

On December 14, 2022, during a quality check at a vehicle assembly plant, it was noticed that a 2023 BMW iX did not generate an external artificial sound. During this check, it was also noted that this condition occurred sporadically. An engineering review was initiated.

Tests and analyses were performed on a range of vehicles which contained various option packages. Preliminary analyses indicated that some test vehicles experienced the condition sporadically, while other test vehicles did not exhibit the condition.

Additional tests and analyses were conducted. A review of regulatory requirements including FMVSS 141 was performed. It was not yet clear which vehicle build configurations were potentially affected and, if so, either sporadically, or more frequently.

Further analyses involving vehicle assembly information, production system records, and vehicle build configuration specifications including software coding levels were reviewed. These reviews were conducted to determine the specific vehicle models and option packages that could potentially be affected.

On January 18, 2023, BMW determined that potentially affected vehicles may not fully conform to FMVSS 141 Section 5 and decided to conduct a voluntary 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 be programmed with updated external artificial sound generator software.

Owners will 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 were 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: External Artificial Sound Generator Software; p/n – N/A - Software

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

## Recall Schedule :

Description of Recall Schedule : Dealer notification is planned to begin and end on January 25, 2023.  
Owner notification is planned to begin and end on March 17, 2023.

Planned Dealer Notification Date : JAN 25, 2023 - JAN 25, 2023

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

\* NR - Not Reported