

# Part 573 Safety Recall Report

# 23V-700

**Manufacturer Name :** BMW of North America, LLC**Submission Date :** OCT 18, 2023**NHTSA Recall No. :** 23V-700**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 : 9,211

Estimated percentage with defect : 28 %

**Vehicle Information :**

Vehicle 1 : 2023-2024 BMW 740i, 740i xDrive, 760i xDrive

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

**Descriptive Information :** Approximately 5,680 vehicles were manufactured in which the ground connection to the steering wheel may not have been attached according to specifications by the supplier.

**Basis for recall population determination:**

Vehicle manufacturing information and supplier production records were reviewed to determine the number and production date range of potentially affected vehicles.

**Recall component difference to non-recall component:**

The hands-on detection system may not function as intended.

Production Dates : JUL 04, 2022 - AUG 30, 2023

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2024-2024 BMW 750e xDrive

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : Approximately 138 vehicles were manufactured in which the ground connection to the steering wheel may not have been attached according to specifications by the supplier.

Basis for recall population determination:

Vehicle manufacturing information and supplier production records were reviewed to determine the number and production date range of potentially affected vehicles.

Recall component difference to non-recall component:

The hands-on detection system may not function as intended.

Production Dates : JUN 20, 2023 - AUG 30, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 3 : 2023-2024 BMW i7 eDrive50, i7 xDrive60, i7 M70

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : Approximately 2,724 vehicles were manufactured in which the ground connection to the steering wheel may not have been attached according to specifications by the supplier.

Basis for recall population determination:

Vehicle manufacturing information and supplier production records were reviewed to determine the number and production date range of potentially affected vehicles.

Recall component difference to non-recall component:

The hands-on detection system may not function as intended.

Production Dates : JUL 04, 2022 - AUG 30, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 4 : 2024-2024 BMW 530i, 530i xDrive

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

**Descriptive Information :** Approximately 120 vehicles were manufactured in which the ground connection to the steering wheel may not have been attached according to specifications by the supplier.

**Basis for recall population determination:**

Vehicle manufacturing information and supplier production records were reviewed to determine the number and production date range of potentially affected vehicles.

**Recall component difference to non-recall component:**

The hands-on detection system may not function as intended.

**Production Dates :** JUN 23, 2023 - JUL 14, 2023

**VIN Range 1 : Begin :**

NR

**End :** NR

Not sequential

Vehicle 5 : 2024-2024 BMW i5 eDrive40, i5 M60

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : HYBRID ELECTRIC

**Descriptive Information :** Approximately 549 vehicles were manufactured in which the ground connection to the steering wheel may not have been attached according to specifications by the supplier.

**Basis for recall population determination:**

Vehicle manufacturing information and supplier production records were reviewed to determine the number and production date range of potentially affected vehicles.

**Recall component difference to non-recall component:**

The hands-on detection system may not function as intended.

**Production Dates :** JUN 26, 2023 - AUG 29, 2023

**VIN Range 1 : Begin :**

NR

**End :** NR

Not sequential

## Description of Defect :

**Description of the Defect :** During assembly by the supplier, the ground connection to the steering wheel may not have been attached according to specifications. This could affect the functionality of the hands-on detection system due to the possibility of misreading the electrical capacitance in that location.

**FMVSS 1 :** NR

FMVSS 2 : NR

Description of the Safety Risk : If the driver's hands were not in contact with the steering wheel, then the system would not properly detect this condition. In the rare case that the driver was no longer able to operate the vehicle, the Emergency Stopping Assistant (ESA) system would not be engaged. If this occurred, the vehicle would continue in a driving mode – as opposed to coming to a controlled stop via the ESA system – which 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 : Steering Wheel

Component Description : Steering Wheel

Component Part Number : 5A0XXXX / 5A1XXXX / 5A2XXXX / 5A3XXXX / 5A4XXXX

## Supplier Identification :

### Component Manufacturer

Name : Autoliv

Address : Autoliv Romania S.R.L.

Wheels Division WRO Sfanthu Gheorghe Foreign States 520072

Country : Romania

## Chronology :

On August 24, 2023, during a vehicle test drive to assess long-term quality, it was noticed that the hands-on detection system appeared to continuously, and erroneously, recognize the presence of the driver's hands on the steering wheel. An engineering review was initiated.

Between the end of August and early October, reviews of technical information were conducted by both the supplier and BMW. Additional test drives were also conducted involving other development vehicles equipped with various configurations of steering wheels to examine possible effects on system functionality. The supplier also conducted reviews of their production and process information. The supplier was able to identify that, due to a misadjusted drilling process, the bore hole for the fastening of the ground connection to the steering wheel may not have been produced to specifications. As a result, this could cause a loose connection between the ground cable and the steering wheel.

Analyses indicated that if such a condition were to exist, the capacitance measurement could provide an erroneous reading. This could affect the functionality of the system which, in turn, could also affect the functionality of the Emergency Stopping Assistant (ESA) system.

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

On October 11, 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 ground connection will be inspected and, if necessary, reattached to specifications.

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: Steering Wheel- part number: 5A0XXXX / 5A1XXXX / 5A2XXXX / 5A3XXXX / 5A4XXXX

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 October 18, 2023.

Owner notification is expected to begin and end on December 8, 2023.

Planned Dealer Notification Date : OCT 18, 2023 - OCT 18, 2023

Planned Owner Notification Date : DEC 08, 2023 - DEC 08, 2023

\* NR - Not Reported