

Part 573 Safety Recall Report

23V-622

Manufacturer Name : BMW of North America, LLC**Submission Date :** SEP 07, 2023**NHTSA Recall No. :** 23V-622**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 : 2,352

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2024-2024 BMW X5 sDrive40i, X5 xDrive40i, X5 M60i, X5 M

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Approximately 1,044 vehicles have been manufactured with a front passenger knee air bag that may not have been produced according to specifications by the supplier.

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

Recall component difference to non-recall component: The front passenger knee air bag may not have been produced according to specifications by the supplier.

Production Dates : JUN 13, 2023 - AUG 16, 2023

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2024-2024 BMW X5 xDrive50e

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : HYBRID ELECTRIC

Descriptive Information : Approximately 513 vehicles have been manufactured with a front passenger knee air bag that may not have been produced according to specifications by the supplier.

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

Recall component difference to non-recall component: The front passenger knee air bag may not have been produced according to specifications by the supplier.

Production Dates : JUN 13, 2023 - AUG 16, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 3 : 2024-2024 BMW X6 xDrive40i, X6 M60i, X6 M

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Approximately 208 vehicles have been manufactured with a front passenger knee air bag that may not have been produced according to specifications by the supplier.

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

Recall component difference to non-recall component: The front passenger knee air bag may not have been produced according to specifications by the supplier.

Production Dates : JUN 12, 2023 - AUG 15, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 4 : 2024-2024 BMW X7 xDrive40i, X7 M60i, Alpina XB7

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Approximately 586 vehicles have been manufactured with a front passenger knee air bag that may not have been produced according to specifications by the supplier.

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

Recall component difference to non-recall component: The front passenger knee air bag may not have been produced according to specifications by the supplier.

Production Dates : JUN 12, 2023 - AUG 16, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 5 : 2023-2023 BMW XM

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : HYBRID ELECTRIC

Descriptive Information : Approximately 1 vehicle has been manufactured with a front passenger knee air bag that may not have been produced according to specifications by the supplier.

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

Recall component difference to non-recall component: The front passenger knee air bag may not have been produced according to specifications by the supplier.

Production Dates : JUN 19, 2023 - JUN 19, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : The front passenger knee air bag may not have been produced according to specifications by the supplier. A portion of the fabric stitching may have a stitch density that is less than specified. In rare cases, if a crash were to occur where knee air bag deployment is warranted, the deployment may not occur as intended.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If knee air bag deployment does not occur as intended, 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 : Front Passenger Knee Air Bag

Component Description : Front Passenger Knee Air Bag

Component Part Number : 72126991408

Supplier Identification :

Component Manufacturer

Name : Joyson Safety Systems

Address : Carretera a Mieleras Km6.3
Torreon Foreign States 27400

Country : Mexico

Chronology :

On July 19, 2023, BMW was informed by the supplier of a potential issue involving the deployment of the front passenger knee air bag. The supplier indicated that a review of Lot-Acceptance-Test (LAT) results indicated that on July 17th, a test anomaly had occurred during a specific and unique LAT condition whereby deployment did not occur as intended.

An engineering review was initiated. Initial reviews indicated that a fabric seam appeared to open during the test. Preliminary information suggested that the process involving construction and assembly of the fabric should be analyzed.

Between mid-July and mid-August, analyses of front passenger knee air bag production lots were performed. Reviews indicated that the issue was not related to assembly of the air bag module. During this analysis period, component tests were performed, including module-only tests in a steel fixture at high temperatures. These tests indicated that, in rare cases with a combination of high temperature and low stitch count, the cushion seam partially opens, which affects the unfolding and positioning behavior.

On August 15th, an instrument panel sub-system level test was performed at a high temperature level. The results and analyses of this test indicated that the anomaly in deployment also appears in the instrument panel environment at high temperature levels combined with an insufficient stitch count.

On August 24th, a vehicle delivery hold was implemented. Further reviews involving supply chain logistics information and records were performed to identify potentially suspect production lots.

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

On August 30, 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 : The front passenger knee air bag will be replaced.

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: Front Passenger Knee Air Bag – part number – 72126991408

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 September 7, 2023.

Notification to owners is planned to begin and end on October 30, 2023.

Planned Dealer Notification Date : SEP 07, 2023 - SEP 07, 2023

Planned Owner Notification Date : OCT 30, 2023 - OCT 30, 2023

* NR - Not Reported