Part 573 Safety Recall Report 23V-050

Manufacturer Name : BMW of North America, LLC
Submission Date : FEB 03, 2023
NHTSA Recall No. : 23V-050
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 : 397
Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2023-2023 BMW 760i xDrive
Vehicle Type : LIGHT VEHICLES
Body Style : 4-DOOR
Power Train : GAS
Descriptive Information : Approximately 305 vehicles have been manufactured with front passenger seat electronic control unit software that may not recognize the seat position.

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

Recall component difference to non-recall component: The front passenger seat electronic control unit software may not recognize the seat position.

Production Dates : JUL 05, 2022 - JAN 24, 2023
VIN Range 1 : Begin : NR End : NR ☐ Not sequential

Vehicle 2 :	2023-2023 BMW i7 xDrive60
Vehicle Type :	LIGHT VEHICLES
Body Style :	4-DOOR
Power Train :	HYBRID ELECTRIC
Descriptive Information :	Approximately 92 vehicles have been manufactured with front passenger seat electronic control unit software that may not recognize the seat position. Basis for recall population determination: Vehicle assembly information and production configuration records were reviewed to determine the production date range of potentially affected vehicles. Recall component difference to non-recall component: The front passenger seat electronic control unit software may not recognize the seat position.
Production Dates :	JUL 04, 2022 - JAN 24, 2023

VIN Range 1 : Begin : NR End : NR ☐ Not sequential

Description of Defect :

Description of the Defect :	This safety recall involves the front passenger seat electronic control unit (ECU) software for vehicles equipped with the Executive Lounge Seating Package. Due to a software issue within the seat's ECU, in certain seat monitoring conditions, the ECU may not recognize the seat position. If this occurs, an invalid seat position condition is communicated to the air bag and restraint system ECU, a failsafe mode will be set, and appropriate warning messages will be communicated to vehicle occupants. In the failsafe mode, the front passenger air bag, knee air bag, and active headrest will not deploy in a crash when warranted.
FMVSS 1 :	NR
FMVSS 2 :	NR
Description of the Safety Risk :	If the front passenger air bag, knee air bag, and active headrest do not deploy in a crash when warranted, this could increase the risk of injury.
Description of the Cause :	NR
Identification of Any Warning that can Occur :	A warning symbol, and a warning message, will be displayed in the instrument cluster.

Involved Components :

Component Name 1 :	Front Passenger Seat ECU Software
Component Description :	Front Passenger Seat ECU Software
Component Part Number :	N/A - software issue

Supplier Identification :

Component Manufacturer

Name :	BMW AG
Address :	NR
	NR
Country :	NR

Chronology :

On November 2, 2022, during a quality check at a vehicle assembly plant, it was noticed that a BMW 735i (EU/ECE version) displayed an air bag system warning message. At that time, it was unclear as to why the message was being displayed. An engineering review was initiated.

Vehicle systems information was examined in an attempt to identify if similar vehicle diagnostic information was present in similar conditions. This review identified four vehicles containing diagnostic information in which the air bag warning messages had been displayed.

On November 17th, during an internal quality check, a BMW i7 (UN/ECE version) experienced a similar condition.

Between December 2022 and January 2023, further analyses, including a review of vehicle electronic control unit (ECU) monitoring / diagnostic software and lab and road tests, were conducted. A review of vehicle assembly information, production system records, and vehicle build configuration specifications, including software coding levels was performed, in order to determine specific vehicle models and/or option packages that could potentially be affected.

It was finally determined that, due to a software coding issue of the seat position ECU, certain ECU seat position monitoring routines could inadvertently not recognize the seat position and communicate an invalid seat position to the air bag and restraint system ECU, which would appropriately set a failsafe mode.

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

On January 27, 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 be programmed with updated software. 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 Seat Electronic Control Unit Software – part number – N/A (software)
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 3, 2023. Notification to owners is planned to begin and end on March 28, 2023.
Planned Dealer Notification Date :	FEB 03, 2023 - FEB 03, 2023
Planned Owner Notification Date :	MAR 28, 2023 - MAR 28, 2023

* NR - Not Reported