

Part 573 Safety Recall Report

20V-601

Manufacturer Name : BMW of North America, LLC**Submission Date :** SEP 24, 2021**NHTSA Recall No. :** 20V-601**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 : 4,801

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2020-2021 MINI Cooper Countryman All4 SE

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : HYBRID ELECTRIC

Descriptive Information : Approximately 35 vehicles were manufactured with a high voltage battery that may not have been produced according to specifications.

Basis for recall population determination:

Vehicle manufacturing information and supplier production records were reviewed to determine the potentially affected vehicle population.

Recall component difference to non-recall component:

One or more battery cells manufactured by the supplier may not have been produced according to specifications.

Production Dates : MAR 12, 2020 - AUG 19, 2020

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2020-2021 BMW X3 xDrive30e

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : HYBRID ELECTRIC

Descriptive Information : Approximately 2,557 vehicles were manufactured with a high voltage battery that may not have been produced according to specifications.

Basis for recall population determination:

Vehicle manufacturing information and supplier production records were reviewed to determine the potentially affected vehicle population.

Recall component difference to non-recall component:

One or more battery cells manufactured by the supplier may not have been produced according to specifications.

Production Dates : JUN 03, 2020 - JAN 22, 2021

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 3 : 2021-2021 BMW X5 xDrive45e

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : HYBRID ELECTRIC

Descriptive Information : Approximately 1,331 vehicles were manufactured with a high voltage battery that may not have been produced according to specifications.

Basis for recall population determination:

Vehicle manufacturing information and supplier production records were reviewed to determine the potentially affected vehicle population.

Recall component difference to non-recall component:

One or more battery cells manufactured by the supplier may not have been produced according to specifications.

Production Dates : JUN 06, 2020 - JAN 14, 2021

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 4 : 2020-2020 BMW i8

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : Approximately 8 vehicles were manufactured with a high voltage battery that may not have been produced according to specifications.

Basis for recall population determination:

Vehicle manufacturing information and supplier production records were reviewed to determine the potentially affected vehicle population.

Recall component difference to non-recall component:

One or more battery cells manufactured by the supplier may not have been produced according to specifications.

Production Dates : MAR 02, 2020 - MAY 02, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 5 : 2021-2021 BMW 330e, 330e xDrive

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : Approximately 692 vehicles were manufactured with a high voltage battery that may not have been produced according to specifications.

Basis for recall population determination:

Vehicle manufacturing information and supplier production records were reviewed to determine the potentially affected vehicle population.

Recall component difference to non-recall component:

One or more battery cells manufactured by the supplier may not have been produced according to specifications.

Production Dates : MAR 05, 2020 - SEP 24, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 6 : 2020-2021 BMW 530e, 530e xDrive, 530e iPerformance

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : Approximately 173 vehicles were manufactured with a high voltage battery that may not have been produced according to specifications.

Basis for recall population determination:

Vehicle manufacturing information and supplier production records were reviewed to determine the potentially affected vehicle population.

Recall component difference to non-recall component:

One or more battery cells manufactured by the supplier may not have been produced according to specifications.

Production Dates : MAR 04, 2020 - NOV 23, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 7 : 2021-2021 BMW 745Le xDrive

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : Approximately 5 vehicles were manufactured with a high voltage battery that may not have been produced according to specifications.

Basis for recall population determination:

Vehicle manufacturing information and supplier production records were reviewed to determine the potentially affected vehicle population.

Recall component difference to non-recall component:

One or more battery cells manufactured by the supplier may not have been produced according to specifications.

Production Dates : MAR 16, 2020 - MAY 12, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : The high voltage battery may not have been produced according to specifications. During battery cell production at the supplier, debris may have been able to enter one or more battery cells. As a result, this could lead to short-circuit.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : In rare cases, the short-circuit could lead to a thermal event which could increase the risk of an injury.

Description of the Cause : NR

Identification of Any Warning that can Occur : NR

Involved Components :

Component Name 1 : High-Voltage Battery Module

Component Description : High-Voltage Battery Module

Component Part Number : BMW 3-5-7-X3 & MINI Countryman-8658344-11/345-11 // BMW X5-8678566-10/567-10; BMW I8-9452661-04

Supplier Identification :

Component Manufacturer

Name : Samsung

Address : 150-20

Gongse-ro Giheung-gu Yongi-si, Gyeonggi-do Foreign States 17084

Country : Korea, Republic of

Chronology :

On August 4, 2020, BMW became aware of a field incident involving a Model Year 2021 BMW X5 SAV in which the vehicle experienced a thermal event. An analysis was initiated. Between early August and mid-September, BMW became aware of three additional field incidents.

A review of supplier production and process change records indicated that for the incident vehicles, battery cell production at the supplier occurred during a specific and limited time period. Further reviews indicated that during this time period, a higher rate of impurities (debris) could have been allowed to enter one or more battery cells.

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

On September 23, 2020, BMW decided to conduct a voluntary safety recall.

BMW Group has not received any reports, nor is BMW Group otherwise aware, of any accidents or injuries

related to this issue.

Although the recall had been implemented, the field continued to be monitored. In May 2021, a field incident occurred involving a vehicle affected by 20V-601 but it did not require replacement of battery modules. Although efforts were made to retrieve and analyze the battery, the battery has only recently been provided to BMW for analysis. The root cause of the May 2021 incident has yet to be determined.

On Sept 17, 2021, BMW decided, in abundance of caution, to replace the affected battery module(s) on all potentially affected vehicles.

Description of Remedy :

Description of Remedy Program : The affected battery modules will be replaced. Until the remedy is performed, drivers will be instructed to not charge their vehicles. Drivers will also be instructed to not drive in manual mode, sport mode, and to not use the shift paddles.

Owners will be notified by First Class mail advising them of the recall and, if the remedy is available, to schedule an appointment with an authorized BMW dealer to have the remedy performed for free. If the remedy is not yet available, then when the remedy becomes available, owners will be notified by a follow-up letter advising them to contact an authorized BMW dealer for the remedy. If this condition were to occur to a potentially affected vehicle prior to this recall, the remedy would be covered by the BMW/MINI 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: High Voltage Battery – p/n [Modules: (BMW (3-5-7-X3) and MINI Countryman – 8658344-11/345-11); (BMW X5 – 8678566-10/567-10); (BMW I8 – 9452661-04)].

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 September 30, 2020.

Owner notification is expected to begin and end on November 23, 2020.

Planned Dealer Notification Date : SEP 30, 2020 - SEP 30, 2020

Planned Owner Notification Date : NOV 23, 2020 - NOV 23, 2020

* NR - Not Reported