

# Part 573 Safety Recall Report

# 20V-761

**Manufacturer Name :** BMW of North America, LLC**Submission Date :** FEB 18, 2021**NHTSA Recall No. :** 20V-761**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 : 1,120

Estimated percentage with defect : 100 %

**Vehicle Information :**

Vehicle 1 : 2021-2021 BMW M340i xDrive

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

**Descriptive Information :** Approximately 25 vehicles were manufactured in which the 48-Volt battery connection(s) to the starter-generator may not have been assembled to specifications.

**Basis for recall population determination:**

Vehicle manufacturing information was reviewed to determine the potentially affected vehicle population.

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

The 48-Volt battery connection(s) to the starter-generator may not have been assembled to specifications.

Production Dates : JUL 01, 2020 - OCT 26, 2020

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2021-2021 BMW M440i xDrive Coupe

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Approximately 36 vehicles were manufactured in which the 48-Volt battery connection(s) to the starter-generator may not have been assembled to specifications.

Basis for recall population determination:

Vehicle manufacturing information was reviewed to determine the potentially affected vehicle population.

Recall component difference to non-recall component:

The 48-Volt battery connection(s) to the starter-generator may not have been assembled to specifications.

Production Dates : JUN 19, 2020 - SEP 25, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 3 : 2021-2021 BMW 530i, 530i xDrive, 540i, 540i xDrive

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Approximately 27 vehicles were manufactured in which the 48-Volt battery connection(s) to the starter-generator may not have been assembled to specifications.

Basis for recall population determination:

Vehicle manufacturing information was reviewed to determine the potentially affected vehicle population.

Recall component difference to non-recall component:

The 48-Volt battery connection(s) to the starter-generator may not have been assembled to specifications.

Production Dates : JUL 14, 2020 - SEP 18, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 4 : 2021-2021 BMW 740Li, 740Li xDrive

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Approximately 8 vehicles were manufactured in which the 48-Volt battery connection (s) to the starter-generator may not have been assembled to specifications.

Basis for recall population determination:

Vehicle manufacturing information was reviewed to determine the potentially affected vehicle population.

Recall component difference to non-recall component:

The 48-Volt battery connection(s) to the starter-generator may not have been assembled to specifications.

Production Dates : JUL 10, 2020 - SEP 22, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 5 : 2021-2021 BMW 840i Gran Coupe, 840i xDrive Gran Coupe

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Approximately 4 vehicles were manufactured in which the 48-Volt battery connection (s) to the starter-generator may not have been assembled to specifications.

Basis for recall population determination:

Vehicle manufacturing information was reviewed to determine the potentially affected vehicle population.

Recall component difference to non-recall component:

The 48-Volt battery connection(s) to the starter-generator may not have been assembled to specifications.

Production Dates : JUL 28, 2020 - SEP 17, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 6 : 2021-2021 BMW X5 sDrive40i, X5 xDrive40i

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Approximately 617 vehicles were manufactured in which the 48-Volt battery connection(s) to the starter-generator may not have been assembled to specifications.

Basis for recall population determination:

Vehicle manufacturing information was reviewed to determine the potentially affected vehicle population.

Recall component difference to non-recall component:

The 48-Volt battery connection(s) to the starter-generator may not have been assembled to specifications.

Production Dates : JUN 01, 2020 - JAN 13, 2021

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 7 : 2021-2021 BMW X6 sDrive40i, X6 xDrive40i

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Approximately 125 vehicles were manufactured in which the 48-Volt battery connection(s) to the starter-generator may not have been assembled to specifications.

Basis for recall population determination:

Vehicle manufacturing information was reviewed to determine the potentially affected vehicle population.

Recall component difference to non-recall component:

The 48-Volt battery connection(s) to the starter-generator may not have been assembled to specifications.

Production Dates : JUL 30, 2020 - DEC 01, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 8 : 2021-2021 BMW X7 xDrive40i

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Approximately 275 vehicles were manufactured in which the 48-Volt battery connection(s) to the starter-generator may not have been assembled to specifications.

Basis for recall population determination:

Vehicle manufacturing information was reviewed to determine the potentially affected vehicle population.

Recall component difference to non-recall component:

The 48-Volt battery connection(s) to the starter-generator may not have been assembled to specifications.

Production Dates : JUN 17, 2020 - JAN 11, 2021

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 9 : 2021-2021 BMW X3 M40i

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Approximately 2 vehicles were manufactured in which the 48-Volt battery connection (s) to the starter-generator may not have been assembled to specifications.

Basis for recall population determination:

Vehicle manufacturing information was reviewed to determine the potentially affected vehicle population.

Recall component difference to non-recall component:

The 48-Volt battery connection(s) to the starter-generator may not have been assembled to specifications.

Production Dates : NOV 16, 2020 - NOV 30, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 10 : 2021-2021 BMW X4 M40i

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

**Descriptive Information :** Approximately 1 vehicle was manufactured in which the 48-Volt battery connection (s) to the starter-generator may not have been assembled to specifications.

**Basis for recall population determination:**

Vehicle manufacturing information was reviewed to determine the potentially affected vehicle population.

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

The 48-Volt battery connection(s) to the starter-generator may not have been assembled to specifications.

**Production Dates :** NOV 21, 2020 - NOV 21, 2020

**VIN Range 1 : Begin :**

NR

**End :** NR

Not sequential

## Description of Defect :

**Description of the Defect :** The 48-Volt battery connection(s) to the starter-generator may not have been assembled to specifications. Over time, this could lead to increased resistance at the connection(s).

**FMVSS 1 :** NR

**FMVSS 2 :** NR

**Description of the Safety Risk :** In rare cases, the increased resistance at the connection(s) 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 :** N/A – Vehicle Assembly Issue

**Component Description :** N/A – Vehicle Assembly Issue

**Component Part Number :** N/A – Vehicle Assembly Issue

**Supplier Identification :****Component Manufacturer**

Name : BMW AG

Address : NR

NR

Country : NR

**Chronology :**

On September 25, 2020, an incident occurred involving a Model Year 2021 BMW X7 which alleged a thermal event within the engine compartment. On October 11, 2020, an incident occurred involving a Model Year 2021 BMW X5 with a similar allegation.

Due to COVID-19, the BMW X7 was not able to be inspected until October 28th. An inspection of the vehicle showed signs of a thermal event within the engine compartment. The inspection suggested that the 48-Volt battery positive cable connection was suspect because the fastening nut did not appear to be seated properly on the starter-generator assembly's bolt.

On November 12th, the BMW X5 was able to be inspected, and similarities to the BMW X7 were observed. An engineering review was initiated.

Several additional incidents with similar characteristics occurred during November but, due to COVID-19, only one of the vehicles was been able to be inspected. The inspection results were consistent with those of the prior vehicles.

The engineering review indicated that the 48-Volt battery cable connections to the starter-generator did not appear to be assembled to specifications because the cable connections were not completely and/or appropriately secured to the starter-generator assembly's bolts.

An examination of vehicle manufacturing records revealed that all of the incident vehicles had undergone a rework process during vehicle assembly and, that during this rework process, the 48-Volt battery cable connections to the starter-generator had been disassembled and reassembled.

Vehicle assembly information was reviewed to determine the number, and production dates, of potentially affected vehicles.

On December 2, 2020, BMW decided to conduct a voluntary safety recall.

BMW has not received, nor is BMW otherwise aware, of any accidents or injuries related to this issue.

Please refer to the separate document containing the updated portion of the chronology.

## Description of Remedy :

Description of Remedy Program : The 48-Volt battery cable connections to the starter-generator assembly's bolts will be inspected and, if necessary, replaced.

Owners will be notified by First Class mail advising them of the recall and to schedule an appointment with an authorized BMW center 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: N/A – Vehicle Assembly Issue

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 February 18, 2021.

Owner notification is expected to begin and end on April 12, 2021.

Planned Dealer Notification Date : FEB 18, 2021 - FEB 18, 2021

Planned Owner Notification Date : APR 12, 2021 - APR 12, 2021

\* NR - Not Reported