

# Part 573 Safety Recall Report

## 21V-096

**Manufacturer Name :** BMW of North America, LLC

**Submission Date :** FEB 19, 2021

**NHTSA Recall No. :** 21V-096

**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 :** 13,858

**Estimated percentage with defect :** 1 %

### Vehicle Information :

**Vehicle 1 :** 2020-2021 BMW 530e, 530e xDrive

**Vehicle Type :** LIGHT VEHICLES

**Body Style :** 4-DOOR

**Power Train :** HYBRID ELECTRIC

**Descriptive Information :** Approximately 36 vehicles may not fully conform to FMVSS 111 Section 5.5.1.

**Basis for recall population determination:** Vehicle assembly information and production system records were used to determine the specific dates of potentially affected vehicles.

**Recall component difference to non-recall component:** Vehicles may have been programmed with rearview camera software that does not allow full compliance to FMVSS 111 Section 5.5.1.

**Production Dates :** APR 11, 2019 - AUG 24, 2020

**VIN Range 1 : Begin :**

NR

**End :** NR

**Not sequential**

Vehicle 2 : 2020-2021 BMW 330e, 330e xDrive

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : Approximately 96 vehicles may not fully conform to FMVSS 111 Section 5.5.1.

Basis for recall population determination: Vehicle assembly information and production system records were used to determine the specific dates of potentially affected vehicles.

Recall component difference to non-recall component: Vehicles may have been programmed with rearview camera software that does not allow full compliance to FMVSS 111 Section 5.5.1.

Production Dates : JUL 17, 2019 - NOV 13, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 3 : 2020-2021 BMW 745Le, 745Le xDrive

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : Approximately 62 vehicles may not fully conform to FMVSS 111 Section 5.5.1.

Basis for recall population determination: Vehicle assembly information and production system records were used to determine the specific dates of potentially affected vehicles.

Recall component difference to non-recall component: Vehicles may have been programmed with rearview camera software that does not allow full compliance to FMVSS 111 Section 5.5.1.

Production Dates : FEB 28, 2019 - OCT 21, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 4 : 2020-2021 BMW X5 xDrive45e

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : HYBRID ELECTRIC

Descriptive Information : Approximately 255 vehicles may not fully conform to FMVSS 111 Section 6.2.1.

Basis for recall population determination: Vehicle assembly information and production system records were used to determine the specific dates of potentially affected vehicles.

Recall component difference to non-recall component: Vehicles may have been programmed with rearview camera software that does not allow full compliance to FMVSS 111 Section 6.2.1.

Production Dates : JUN 06, 2020 - NOV 11, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 5 : 2020-2021 BMW X3 xDrive30e

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : HYBRID ELECTRIC

Descriptive Information : Approximately 189 vehicles may not fully conform to FMVSS 111 Section 6.2.1.

Basis for recall population determination: Vehicle assembly information and production system records were used to determine the specific dates of potentially affected vehicles.

Recall component difference to non-recall component: Vehicles may have been programmed with rearview camera software that does not allow full compliance to FMVSS 111 Section 6.2.1.

Production Dates : JAN 28, 2020 - SEP 16, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 6 : 2019-2021 BMW X3 sDrive30i, X3 xDrive30i, X3 M40i, X3M

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Approximately 354 vehicles may not fully conform to FMVSS 111 Section 6.2.1.

Basis for recall population determination: Vehicle assembly information and production system records were used to determine the specific dates of potentially affected vehicles.

Recall component difference to non-recall component: Vehicles may have been programmed with rearview camera software that does not allow full compliance to FMVSS 111 Section 6.2.1.

Production Dates : JUL 10, 2018 - NOV 23, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 7 : 2019-2021 BMW X4 xDrive30i, X4 M40i, X4M

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Approximately 35 vehicles may not fully conform to FMVSS 111 Section 6.2.1.

Basis for recall population determination: Vehicle assembly information and production system records were used to determine the specific dates of potentially affected vehicles.

Recall component difference to non-recall component: Vehicles may have been programmed with rearview camera software that does not allow full compliance to FMVSS 111 Section 6.2.1.

Production Dates : AUG 13, 2019 - AUG 31, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 8 : 2019-2021 BMW X5 sDrive40i, X5 xDrive40i, X5 xDrive50i, X5 M50i, X5M  
Vehicle Type : LIGHT VEHICLES  
Body Style : SUV  
Power Train : GAS

Descriptive Information : Approximately 3,493 vehicles may not fully conform to FMVSS 111 Section 6.2.1.

Basis for recall population determination: Vehicle assembly information and production system records were used to determine the specific dates of potentially affected vehicles.

Recall component difference to non-recall component: Vehicles may have been programmed with rearview camera software that does not allow full compliance to FMVSS 111 Section 6.2.1.

Production Dates : JUL 15, 2018 - NOV 24, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 9 : 2020-2021 BMW X6 sDrive40i, X6 xDrive40i, X6 xDrive50i, X6 M50i, X6M  
Vehicle Type : LIGHT VEHICLES  
Body Style : SUV  
Power Train : GAS

Descriptive Information : Approximately 331 vehicles may not fully conform to FMVSS 111 Section 6.2.1.

Basis for recall population determination: Vehicle assembly information and production system records were used to determine the specific dates of potentially affected vehicles.

Recall component difference to non-recall component: Vehicles may have been programmed with rearview camera software that does not allow full compliance to FMVSS 111 Section 6.2.1.

Production Dates : APR 11, 2019 - NOV 12, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 10 : 2019-2021 BMW X7 xDrive40i, X7 xDrive50i, X7 M50i, Alpina XB7  
Vehicle Type : LIGHT VEHICLES  
Body Style : SUV  
Power Train : GAS

Descriptive Information : Approximately 1,869 vehicles may not fully conform to FMVSS 111 Section 6.2.1.

Basis for recall population determination: Vehicle assembly information and production system records were used to determine the specific dates of potentially affected vehicles.

Recall component difference to non-recall component: Vehicles may have been programmed with rearview camera software that does not allow full compliance to FMVSS 111 Section 6.2.1.

Production Dates : JUL 10, 2018 - NOV 15, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 11 : 2019-2021 BMW 330i, 330i xDrive, M340i, M340i xDrive  
Vehicle Type : LIGHT VEHICLES  
Body Style : 4-DOOR  
Power Train : GAS

Descriptive Information : Approximately 1,084 vehicles may not fully conform to FMVSS 111 Section 5.5.1.

Basis for recall population determination: Vehicle assembly information and production system records were used to determine the specific dates of potentially affected vehicles.

Recall component difference to non-recall component: Vehicles may have been programmed with rearview camera software that does not allow full compliance to FMVSS 111 Section 5.5.1.

Production Dates : JUL 09, 2018 - NOV 26, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 12 : 2020-2021 BMW 530i, 530i xDrive, 540i, 540i xDrive, M550i xDrive, M5  
Vehicle Type : LIGHT VEHICLES  
Body Style : 4-DOOR  
Power Train : GAS

Descriptive Information : Approximately 176 vehicles may not fully conform to FMVSS 111 Section 5.5.1.

Basis for recall population determination: Vehicle assembly information and production system records were used to determine the specific dates of potentially affected vehicles.

Recall component difference to non-recall component: Vehicles may have been programmed with rearview camera software that does not allow full compliance to FMVSS 111 Section 5.5.1.

Production Dates : JUL 01, 2019 - AUG 26, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 13 : 2020-2021 BMW 740i, 740Li, 740i xDrive, 740Li xDrive, M760i Drive, M760Li xDrive,  
750Li xDrive Alpina, Alpina B7 xDrive  
Vehicle Type : LIGHT VEHICLES  
Body Style : 4-DOOR  
Power Train : GAS

Descriptive Information : Approximately 4,584 vehicles may not fully conform to FMVSS 111 Section 5.5.1.

Basis for recall population determination: Vehicle assembly information and production system records were used to determine the specific dates of potentially affected vehicles.

Recall component difference to non-recall component: Vehicles may have been programmed with rearview camera software that does not allow full compliance to FMVSS 111 Section 5.5.1.

Production Dates : FEB 27, 2019 - OCT 29, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 14 : 2021-2021 BMW 4 Series Coupe (430i, 430i xDrive, M440i xDrive)

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Approximately 326 vehicles may not fully conform to FMVSS 111 Section 5.5.1.

Basis for recall population determination: Vehicle assembly information and production system records were used to determine the specific dates of potentially affected vehicles.

Recall component difference to non-recall component: Vehicles may have been programmed with rearview camera software that does not allow full compliance to FMVSS 111 Section 5.5.1.

Production Dates : JUN 16, 2020 - OCT 28, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 15 : 2019-2021 BMW 8 Series Coupe (840i, 840i xDrive, M850i xDrive, M8)

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Approximately 312 vehicles may not fully conform to FMVSS 111 Section 5.5.1.

Basis for recall population determination: Vehicle assembly information and production system records were used to determine the specific dates of potentially affected vehicles.

Recall component difference to non-recall component: Vehicles may have been programmed with rearview camera software that does not allow full compliance to FMVSS 111 Section 5.5.1.

Production Dates : SEP 24, 2018 - OCT 27, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential



Vehicle 16 : 2019-2021 BMW 8 Series Convertible (840i, 840i xDrive, M850i xDrive, M8)  
Vehicle Type : LIGHT VEHICLES  
Body Style : 2-DOOR  
Power Train : GAS

Descriptive Information : Approximately 397 vehicles may not fully conform to FMVSS 111 Section 5.5.1.

Basis for recall population determination: Vehicle assembly information and production system records were used to determine the specific dates of potentially affected vehicles.

Recall component difference to non-recall component: Vehicles may have been programmed with rearview camera software that does not allow full compliance to FMVSS 111 Section 5.5.1.

Production Dates : OCT 16, 2018 - OCT 14, 2020

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

Vehicle 17 : 2019-2021 BMW 8 Series Gran Coupe (840i, 840i xDrive, M850i xDrive, M8)  
Vehicle Type : LIGHT VEHICLES  
Body Style : 4-DOOR  
Power Train : GAS

Descriptive Information : Approximately 259 vehicles may not fully conform to FMVSS 111 Section 5.5.1.

Basis for recall population determination: Vehicle assembly information and production system records were used to determine the specific dates of potentially affected vehicles.

Recall component difference to non-recall component: Vehicles may have been programmed with rearview camera software that does not allow full compliance to FMVSS 111 Section 5.5.1.

Production Dates : OCT 16, 2018 - OCT 28, 2020

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

## Description of Noncompliance :

Description of the Noncompliance : This non-compliance recall involves the rearview camera. Vehicles may have been programmed with rearview camera software that does not allow full compliance to FMVSS 111 Section 5.5.1 and 6.2.1. When shifting into Reverse, a small portion of the rearview image may be slightly obscured, or the screen may not illuminate.

FMVSS 1 : 111 - Rear visibility

FMVSS 2 : NR

Description of the Safety Risk : If the driver attempted to rely on the rearview camera image, this could increase the risk of a crash or injury to persons who may be behind the vehicle.

Description of the Cause : NR

Identification of Any Warning that can Occur : When shifting into Reverse, a small portion of the rearview image may be obscured, or the screen may not illuminate, which should prompt the driver to visually check, without the use of the rearview camera, for objects behind the vehicle when reversing. Furthermore, affected vehicles are equipped with a Park Distance Control (PDC) system which alerts drivers, both audibly and visually, to objects behind the vehicle.

## Involved Components :

Component Name 1 : Rearview Camera Software

Component Description : Rearview Camera Software

Component Part Number : Rearview Camera Software; p/n – N/A

## Supplier Identification :

### Component Manufacturer

Name : Robert Bosch GmbH

Address : Dessauerstrasse 13-5  
Munich Foreign States 80992

Country : Germany

## Chronology :

In November 2020, BMW was informed by the supplier that the rearview camera image may not display as intended due to the possibility of a bug within the rearview camera software. The supplier indicated that the image could be either displayed out-of-sequence (for a multi-displayed image), a portion of the image could be slightly obscured, or the display screen may not illuminate. These conditions could occur when the vehicle is shifted Reverse gear. An engineering review was initiated.

In December, analyses indicated that the condition could occur either during vehicle production at the time of the rearview camera coding initialization, or during similar updates at a dealer. Vehicle assembly information, production system records, and vehicle build configuration specifications were reviewed. These reviews were conducted to determine the specific vehicle models, including models with specific option packages, that may

have contained affected software via the coding process.

In January 2021, further reviews were conducted including an in-depth analysis of potentially affected vehicles to determine their current software level.

On February 10, 2021, it was determined that potentially affected vehicles may not fully conform to FMVSS 111 Section 5.5.1 and 6.2.1. As a result, BMW decided to conduct a voluntary 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 : Vehicles will be inspected and, if necessary, programmed with updated rearview camera software.

Owners will 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 were 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: Rearview Camera Software; p/n – N/A

Identify How/When Recall Condition was Corrected in Production : NR

## Recall Schedule :

Description of Recall Schedule : Dealer notification is planned to begin and end on February 18, 2021. Owner notification is planned 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