

Part 573 Safety Recall Report

21V-062

Manufacturer Name : BMW of North America, LLC

Submission Date : FEB 10, 2021

NHTSA Recall No. : 21V-062

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 : 901

Estimated percentage with defect : 12 %

Vehicle Information :

Vehicle 1 : 2020-2021 BMW 8 Series Coupe (840i, 840i xDrive, M850i xDrive, M8)

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Approximately 30 vehicles have been assembled with an integrated brake system that may not have been produced to specifications.

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

Recall component difference to non-recall component: The integrated brake system may not have been produced to specifications.

Production Dates : FEB 17, 2020 - NOV 19, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 2 : 2020-2021 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 144 vehicles have been assembled with an integrated brake system that may not have been produced to specifications.

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

Recall component difference to non-recall component: The integrated brake system may not have been produced to specifications.

Production Dates : FEB 13, 2020 - DEC 01, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 3 : 2019-2021 BMW X7 xDrive40i, X7 xDrive50i, X7 M50i

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Approximately 80 vehicles have been assembled with an integrated brake system that may not have been produced to specifications.

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

Recall component difference to non-recall component: The integrated brake system may not have been produced to specifications.

Production Dates : MAR 20, 2019 - NOV 24, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 4 : 2021-2021 BMW M3, M3 Competition

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Approximately 5 vehicles have been assembled with an integrated brake system that may not have been produced to specifications.

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

Recall component difference to non-recall component: The integrated brake system may not have been produced to specifications.

Production Dates : OCT 29, 2020 - NOV 06, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 5 : 2021-2021 BMW M4 Coupe, M4 Competition Coupe

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Approximately 8 vehicles have been assembled with an integrated brake system that may not have been produced to specifications.

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

Recall component difference to non-recall component: The integrated brake system may not have been produced to specifications.

Production Dates : NOV 05, 2020 - DEC 02, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 6 : 2020-2021 BMW 8 Series Convertible (840i, 840i xDrive, M850i xDrive, M8)

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Approximately 31 vehicles have been assembled with an integrated brake system that may not have been produced to specifications.

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

Recall component difference to non-recall component: The integrated brake system may not have been produced to specifications.

Production Dates : FEB 13, 2020 - NOV 25, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 7 : 2020-2021 BMW 740 Li, 740Li xDrive, 750Li xDrive, M760Li xDrive

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Approximately 355 vehicles have been assembled with an integrated brake system that may not have been produced to specifications.

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

Recall component difference to non-recall component: The integrated brake system may not have been produced to specifications.

Production Dates : JUN 03, 2019 - NOV 27, 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 200 vehicles have been assembled with an integrated brake system that may not have been produced to specifications.

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

Recall component difference to non-recall component: The integrated brake system may not have been produced to specifications.

Production Dates : DEC 04, 2018 - DEC 08, 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 34 vehicles have been assembled with an integrated brake system that may not have been produced to specifications.

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

Recall component difference to non-recall component: The integrated brake system may not have been produced to specifications.

Production Dates : FEB 16, 2020 - NOV 23, 2020

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

Vehicle 10 : 2021-2021 BMW X5 xDrive45e

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : HYBRID ELECTRIC

Descriptive Information : Approximately 10 vehicles have been assembled with an integrated brake system that may not have been produced to specifications.

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

Recall component difference to non-recall component: The integrated brake system may not have been produced to specifications.

Production Dates : OCT 14, 2020 - NOV 23, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 11 : 2021-2021 BMW 745Le xDrive

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : Approximately 4 vehicles have been assembled with an integrated brake system that may not have been produced to specifications.

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

Recall component difference to non-recall component: The integrated brake system may not have been produced to specifications.

Production Dates : SEP 28, 2020 - NOV 20, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : This safety recall involves the integrated brake system which provides brake assistance (brake boost). During supplier production, a component (rotor and shaft) within the system may not have been welded to specifications. During a hard (emergency) braking maneuver, the rotor and shaft could separate, which could lead to a reduction in braking assistance (brake boost), and the Antilock Brake System (ABS) function would no longer be available. Fully mechanical braking (without assist) is not affected, and is still available. Additionally, the emergency function of brake force distribution is maintained to help control vehicle stability.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : During a hard (emergency) braking maneuver, a reduction in braking assistance (brake boost) could lead to an extended stopping distance. In combination with a loss of ABS function, this could increase the risk of a crash.

Description of the Cause : NR

Identification of Any Warning NR
that can Occur :**Involved Components :**

Component Name 1 : Integrated Brake System

Component Description : Integrated Brake System

Component Part Number : 34335A30760, 34337882966, 34335A29149, 34335A30755 – Vehicle Model
Dependent**Supplier Identification :****Component Manufacturer**

Name : Continental Teves AG & Co. oHG

Address : Guerickestrasse 7
Frankfurt Foreign States 60487

Country : Germany

Chronology :

On Oct 10, 2020, during a road test at a vehicle assembly plant, a braking issue was noticed. The vehicle was held for examination and a review was initiated. Preliminary analysis suggested that an issue with the integrated brake system may have led to the road test occurrence.

In November and December, reviews and analyses were conducted which also involved the integrated brake system supplier. Supplier production records were reviewed, and visual examinations of system components were conducted. Engine tear-down analyses were also performed on a number of engines.

Further reviews suggested that some integrated brake system units may not have been produced to specifications due to an unexpected deviation during the welding process of the system's rotor and shaft sub-assembly. Testing and durability analyses were performed on parts with various levels of welding. The analyses indicated that some of these parts could have been installed in vehicles.

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

On February 3, 2021, 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 : The integrated brake system (hydraulic unit / master cylinder) will be replaced.

Owners will be notified by First Class mail and instructed to take their vehicles to an authorized BMW center to have the remedy performed for free. If this condition were to occur 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: Integrated Brake System – p/n – 34335A30760, 34337882966, 34335A29149, 34335A30755 – Vehicle Model Dependent

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 10, 2021.

Notification to owners is planned to begin and end on April 5, 2021.

Planned Dealer Notification Date : FEB 10, 2021 - FEB 10, 2021

Planned Owner Notification Date : APR 05, 2021 - APR 05, 2021

* NR - Not Reported