

Part 573 Safety Recall Report

24V-576

Manufacturer Name : BMW of North America, LLC

Submission Date : AUG 01, 2024

NHTSA Recall No. : 24V-576

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 : 105,588

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2019-2020 BMW X5 (X5 sDrive40i, X5 xDrive40i)

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Approximately 68,105 vehicles have been manufactured with an engine starter of a certain production configuration.

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

Recall component difference to non-recall component: Potentially affected vehicles have an engine starter with a certain production configuration.

Production Dates : AUG 01, 2018 - MAY 31, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 2 : 2020-2020 BMW X6 (X6 sDrive40i, X6 xDrive40i)

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Approximately 1,952 vehicles have been manufactured with an engine starter of a certain production configuration.

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

Recall component difference to non-recall component: Potentially affected vehicles have an engine starter with a certain production configuration.

Production Dates : APR 09, 2019 - MAY 28, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 3 : 2019-2020 BMW X7 xDrive40i

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Approximately 19,992 vehicles have been manufactured with an engine starter of a certain production configuration.

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

Recall component difference to non-recall component: Potentially affected vehicles have an engine starter with a certain production configuration.

Production Dates : SEP 25, 2018 - MAY 31, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 4 : 2020-2021 BMW 7 Series Sedan (740i, 740xi)

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Approximately 4,210 vehicles have been manufactured with an engine starter of a certain production configuration.

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

Recall component difference to non-recall component: Potentially affected vehicles have an engine starter with a certain production configuration.

Production Dates : FEB 12, 2019 - MAY 29, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 5 : 2020-2020 BMW 8 Series Convertible (840i, 840xi)

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Approximately 550 vehicles have been manufactured with an engine starter of a certain production configuration.

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

Recall component difference to non-recall component: Potentially affected vehicles have an engine starter with a certain production configuration.

Production Dates : FEB 18, 2019 - MAY 28, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 6 : 2020-2020 BMW 8 Series Coupe (840i, 840xi)

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Approximately 484 vehicles have been manufactured with an engine starter of a certain production configuration.

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

Recall component difference to non-recall component: Potentially affected vehicles have an engine starter with a certain production configuration.

Production Dates : JUN 11, 2019 - MAY 28, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 7 : 2020-2020 BMW 8 Series Gran Coupe (840i, 840xi)

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Approximately 1,324 vehicles have been manufactured with an engine starter of a certain production configuration.

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

Recall component difference to non-recall component: Potentially affected vehicles have an engine starter with a certain production configuration.

Production Dates : FEB 19, 2019 - MAY 29, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 8 : 2020-2020 BMW 3 Series Sedan (M340i, M340xi)

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Approximately 8,971 vehicles have been manufactured with an engine starter of a certain production configuration.

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

Recall component difference to non-recall component: Potentially affected vehicles have an engine starter with a certain production configuration.

Production Dates : SEP 12, 2018 - MAY 29, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : This safety recall involves the engine starter. In certain cases in which the engine starter has some mechanical damage, the engine may not be able to be started. If the driver repeatedly attempts to start the engine using excessively long starting attempts, this may cause an electrical overload of the starter.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the engine acoustic protection material is contaminated by, e.g. oil, then in an extreme case, the proximity of the starter to the acoustic protection material could lead to a thermal event.

Description of the Cause : NR

Identification of Any Warning that can Occur : NR

Involved Components :

Component Name 1 : Engine Starter Software

Component Description : Engine Starter Software

Component Part Number : N/A

Supplier Identification :

Component Manufacturer

Name : BMW AG

Address : NR

NR

Country : NR

Chronology :

In March 2023, after receiving several field reports regarding engine no-start conditions and indications of local thermal damage within the engine compartment, an engineering investigation was initiated.

Initial reviews found that there were only a few reports of thermal damage when compared to a larger number of engine no-start conditions. At that time, it was not yet clear if there was a direct relationship between the engine starter and the observed damage within the engine compartment. The field continued to be monitored.

By August 2023, various groupings of components were established based upon reviews of damaged hardware from the field. Possible fault patterns that could result in the observed damage were discussed.

By November, additional analyses included a review of the records regarding starter failure and the specific number of attempted engine starts. A review of supplier production records was also conducted. Several additional field incidents were reported.

Between January and June 2024, further reviews pointed to specific engine starter production configurations that could be associated with the reported field cases. By June, several additional field incidents were reported.

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

On July 25, 2024, 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. BMW is aware of approximately twelve customer complaints and associated field incidents related to this issue.

Description of Remedy :

Description of Remedy Program : Potentially affected vehicles will receive a software update that will prevent the engine starter from being electrically overloaded.

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. Owners who have had this remedy performed at their own expense prior to the recall notification, may be eligible for reimbursement according to BMW Group's reimbursement plan in accordance with 49 CFR 573.13 and 49 CFR 577.11.

How Remedy Component Differs from Recalled Component : Recalled Component: 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 August 1, 2024.
Owner notification is planned to begin and end on September 23, 2024.

Planned Dealer Notification Date : AUG 01, 2024 - AUG 01, 2024

Planned Owner Notification Date : SEP 23, 2024 - SEP 23, 2024

* NR - Not Reported