



U.S. Department
of Transportation

National Highway
Traffic Safety
Administration

Part 573 Safety Recall Report

25V644

Manufacturer Name: BMW of North America, LLC

Submission Date: Sep 25, 2025

NHTSA Recall No.: 25V644

Manufacturer Recall No.:

Manufacturer Information

Population

Manufacturer Name: BMW of North America,
LLC
Address: P.O. Box 1227
Westwood NJ, 07675-1227

Total number of potentially involved: 145,102
Estimated percentage with defect: 0.1%

Vehicle Information

Vehicle 1: 2020-2020 BMW 340i

Product Category: Light Vehicles

Product Type:

Fuel / Propulsion: Spark Ignition Fuel

Production Dates: Feb 21, 2019 - Jul 28, 2020

Number of potentially involved: 10,867

Descriptive Information:

Approximately 10,867 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.

Vehicle 2: 2020-2025 BMW 840i

Product Category: Light Vehicles

Product Type:

Fuel / Propulsion: Spark Ignition Fuel

Production Dates: Feb 18, 2019 - Feb 11, 2025

Number of potentially involved: 12,456

Descriptive Information:

Approximately 12,456 vehicles have been manufactured with an engine starter of a certain production configuration.

Part 573 Safety Recall Report

25V644

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.

Vehicle 3: 2020-2022 BMW 740LI

Product Category: Light Vehicles

Product Type:

Fuel / Propulsion: Spark Ignition Fuel

Production Dates: Feb 12, 2019 - Jun 13, 2022

Number of potentially involved: 11,893

Descriptive Information:

Approximately 11,893 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.

Vehicle 4: 2019-2020 BMW X7

Product Category: Light Vehicles

Product Type: Multipurpose Passenger Vehicle

Fuel / Propulsion: Spark Ignition Fuel

Production Dates: Oct 30, 2018 - Jul 29, 2020

Number of potentially involved: 24,979

Descriptive Information:

Approximately 24,979 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.

Vehicle 5: 2020-2020 BMW X6

Product Category: Light Vehicles

Product Type: Multipurpose Passenger Vehicle

Part 573 Safety Recall Report

25V644

Fuel / Propulsion: Spark Ignition Fuel

Production Dates: Jul 15, 2019 - Jul 29, 2020

Number of potentially involved: 2,754

Descriptive Information:

Approximately 2,754 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.

Vehicle 6: 2019-2020 BMW X5

Product Category: Light Vehicles

Product Type:

Fuel / Propulsion: Spark Ignition Fuel

Production Dates: Mar 20, 2018 - Jul 29, 2020

Number of potentially involved: 82,153

Descriptive Information:

Approximately 82,153 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.

Defect / Noncompliance Description

Description of the defect or noncompliance:

This safety recall involves the engine starter. In certain cases, the engine starter may not start the vehicle properly. These improper starting attempts could result in local overheating of the engine starter.

FMVSS1:

FMVSS2:

Description of the safety risk, including crash, fire, death, injury:

If the starter overheats, locally, during these starting situations, the engine acoustic protection material

Part 573 Safety Recall Report

25V644

can be ignited if contaminated. In rare cases, this could lead to a thermal event while driving or shortly after parking, if the vehicle had a starting event shortly before being parked.

Description of the cause:**Identification of any warning that can occur:**

If this occurs, occupants may see or smell smoke while driving or when leaving their vehicle.

Component Manufacturer

Tier of Supplier:**Supplier Type:**

Name: DENSO Europe B.V.

Address: Hogeweyselaan 165
Weesp Foreign States, 1382 JL

Country: Netherlands

Involved Components

Component Name 1: Engine starter

Component Description: Engine starter

Component Part Number: 8671505

Chronology

Please refer to BMW's August 1, 2024 Part 573 Report assigned NHTSA Safety Recall ID 24V-576.

In March 2025, three field incidents involving BMW X5 models that had experienced thermal damage became known. Parts were requested for evaluation and each vehicle history was reviewed. Analysis indicated that the incident for each vehicle had occurred after having had the 24V-576 remedy performed.

In April, a problem-solving team was established to further analyze the cases. A test program was established, and a comprehensive review of prior field incidents was initiated. One additional field incident occurred.

In May, bench testing of engines and fault tree analyses were initiated. The 24V-576 remedy was reviewed, and tests were conducted on engines with and without the remedy. Analysis of various engine and engine-adjacent parts were conducted. CAD analyses were performed involving various vehicle geometries to further understand any relationship between the starter and other parts in the starter surrounding area, such as the oil level sensor and under shield insulation. During this time, three additional field incidents became known.

Part 573 Safety Recall Report

25V644

In June, root cause analysis continued.

In August, analysis continued into thermal events after completion of recall 24V-576. The software remedy effectiveness continued to be analyzed, along with additional root cause analysis with supplier support.

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

On September 18, 2025, BMW decided to conduct a voluntary safety recall.

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

Related NHTSA Recall Number: 24V576

Description of Remedy

Remedy Type:

Consumer Advisories: ☐ Do Not Drive ☐ Park Outside

Description of remedy program:

The engine starter will be replaced with one involving a different design.

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.

How remedy component differs from recalled component:

The engine starter will be replaced with one involving a different design.

Identify how/when recall condition was corrected in production:

Reimbursement Plan

Description of reimbursement program:

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.

Period of reimbursement:

Costs to be reimbursed:

Address for reimbursement claims:

Part 573 Safety Recall Report**25V644****Recall Schedule****Description of recall schedule:**

Dealer notification is planned to begin and end on September 25, 2025.
Owner notification is planned to begin and end on November 17, 2025.

Planned Dealer Notification Date: Sep 25, 2025 - Sep 25, 2025

☐ No Dealers

Planned Interim Owner Notification Date:

☐ No Owners

Planned Remedy Owner Notification Date: Nov 17, 2025 - Nov 17, 2025

☐ Phased Recall

Date when VIN will be searchable: Nov 17, 2025