



U.S. Department
of Transportation

National Highway
Traffic Safety
Administration

Part 573 Safety Recall Report

25V636

Manufacturer Name: BMW of North America, LLC

Submission Date: Sep 23, 2025

NHTSA Recall No.: 25V636

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: 196,355
Estimated percentage with defect: 0.1%

Vehicle Information

Vehicle 1: 2020-2022 Toyota Supra

Product Category:

Product Type:

Fuel / Propulsion: Spark Ignition Fuel

Production Dates: Oct 02, 2019 - Jul 07, 2021

Number of potentially involved: 1,469

Descriptive Information:

Supra

Approximately 1,469 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 of a certain production configuration.

Vehicle 2: 2022-2022 BMW 2 Series

Product Category: Light Vehicles

Product Type: Passenger Car

Fuel / Propulsion: Spark Ignition Fuel

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Production Dates: Jun 23, 2021 - Jun 23, 2021

Number of potentially involved: 1

Descriptive Information:

230i Coupe

Approximately 1 vehicle has 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 of a certain production configuration.

Vehicle 3: 2020-2022 BMW 5 Series

Product Category: Light Vehicles

Product Type: Passenger Car

Fuel / Propulsion: Spark Ignition Fuel

Production Dates: Jun 12, 2019 - Jun 23, 2021

Number of potentially involved: 22,804

Descriptive Information:

530i, 530i xDrive

Approximately 22,804 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 of a certain production configuration.

Vehicle 4: 2019-2022 BMW Z4

Product Category: Light Vehicles

Product Type: Passenger Car

Fuel / Propulsion: Spark Ignition Fuel

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Production Dates: Feb 07, 2018 - Jun 23, 2021

Number of potentially involved: 4,539

Descriptive Information:

Z4 sDrive30i

Approximately 4,539 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 of a certain production configuration.

Vehicle 5: 2022-2022 BMW 4 Series

Product Category: Light Vehicles

Product Type: Passenger Car

Fuel / Propulsion: Spark Ignition Fuel

Production Dates: Mar 20, 2021 - Mar 20, 2021

Number of potentially involved: 3

Descriptive Information:

430i Gran Coupe

Approximately 1 vehicle has 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 of a certain production configuration.

Vehicle 6: 2021-2022 BMW 4 Series

Product Category: Light Vehicles

Product Type: Passenger Car

Fuel / Propulsion: Spark Ignition Fuel

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Production Dates: Jul 01, 2020 - Jun 23, 2021

Number of potentially involved: 9,621

Descriptive Information:

430i Convertible, 430i xDrive Convertible

Approximately 3,152 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 of a certain production configuration.

Vehicle 7: 2021-2021 BMW 4 Series

Product Category: Light Vehicles

Product Type: Passenger Car

Fuel / Propulsion: Spark Ignition Fuel

Production Dates: Jun 09, 2020 - Jun 23, 2021

Number of potentially involved: 9,618

Descriptive Information:

430i Coupe, 430i xDrive Coupe

Approximately 6,468 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 of a certain production configuration.

Vehicle 8: 2019-2021 BMW 3 Series

Product Category: Light Vehicles

Product Type: Passenger Car

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Fuel / Propulsion: Spark Ignition Fuel

Production Dates: Feb 07, 2018 - Jun 23, 2021

Number of potentially involved: 80,318

Descriptive Information:

330i, 330i xDrive

Approximately 80,318 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 of a certain production configuration.

Vehicle 9: 2020-2022 BMW X4

Product Category: Light Vehicles

Product Type: Multipurpose Passenger Vehicle

Fuel / Propulsion: Spark Ignition Fuel

Production Dates: Jul 13, 2019 - Dec 13, 2020

Number of potentially involved: 6,716

Descriptive Information:

X4 xDrive30i

Approximately 6,716 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 of a certain production configuration.

Vehicle 10: 2020-2022 BMW X3

Product Category: Light Vehicles

Product Type: Multipurpose Passenger Vehicle

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Fuel / Propulsion: Spark Ignition Fuel

Production Dates: Jul 09, 2019 - Sep 07, 2021

Number of potentially involved: 70,887

Descriptive Information:

X3 sDrive30i, X3 xDrive30i

Approximately 70,887 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 of a certain production configuration.

Defect / Noncompliance Description

Description of the defect or noncompliance:

This safety recall involves the engine starter. In some cases, water could contact the starter's electrical relay and, over time, lead to corrosion. Corrosion inside the starter relay could affect the electrical connection within the relay and the ability to start the engine.

FMVSS1:

FMVSS2:

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

In certain cases, corrosion inside the starter relay could also lead to a short-circuit and possible overheating of the starter. In an extreme case, this could cause a thermal event during vehicle operation or when the vehicle is parked and the ignition is off.

Description of the cause:

Identification of any warning that can occur:

Component Manufacturer

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25V636**Tier of Supplier:****Supplier Type:** OEM**Name:** VALEO**Address:** 14 Avenue des Beguines, Immeuble le DELT
Cergy Pontoise Foreign States, BP 68532 C**Country:** France

Involved Components

Component Name 1: Engine Starter**Component Description:** Engine Starter**Component Part Number:** 8671503

Chronology

On July 2, 2024, an engineering investigation was initiated based upon continuous field monitoring, and field cases involving vehicles that had experienced a thermal event, which included a Model Year 2021 BMW 5 Series on November 1, 2023, and a Model Year 2020 BMW 3 Series on March 10, 2024. Preliminary information noted that these vehicles were equipped with the same engine type. The information also indicated that the positive battery cable connection to the engine starter was either damaged or not connected.

Between September and November, additional analyses indicated that noticeable damage to the vehicles was likely to have occurred prior to the thermal event, either by an accident, or an improper repair. It was suggested that external influences that damaged the engine starter could be a root cause, although it had yet to be determined.

In early November, the engine starter supplier became involved.

In December, further analyses included the hypothesis of water ingress to the starter. Tests were conducted involving water ingress, but did not result in immediate overheating of the starter.

on January 16, 2025, a problem solving team was established with an increased focus on the matter.

On February 13th, a review of a Model Year 2020 BMW 5 Series that was involved in a field incident on December 15th was conducted.

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Between February and July, the field continued to be monitored, and a comprehensive review of older field incidents was conducted with a focus on thermal incidents in which determinations had been inconclusive. In March, three field incidents were reviewed, a Model Year 2020 BMW X3 (incident date: January 30th), a Model Year 2020 BMW X4 (incident date: January 23rd), and a Model Year 2020 BMW 3 Series (incident date: October 26, 2020). On-site investigations of two of the vehicles were conducted, as the 3 Series was identified during the review of older incidents that were inconclusive.

A parts collection campaign and associated tear down analysis was conducted, especially involving starters in which no complaints were reported. In May, two field incidents were reviewed, both Model Year 2020 BMW 3 Series (incident dates: February 26th and March 3rd). Bench tests were conducted in an attempt to produce a possible failure mode involving water ingress to the starter. In July, two field incidents were reviewed, a Model Year 2020 BMW 3 Series (incident date: April 6th), and a Model Year 2020 BMW X3 (incident date: March 1, 2020, identified during the review of older incidents). Complete vehicle tests were also conducted in an attempt to reproduce the suggested water ingress failure mode.

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

On September 16, 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.

For Toyota Supra vehicles, as of September 16, 2025, based on a diligent review of records, Toyota's best engineering judgment is that there are zero (0) Toyota Field Technical Reports or warranty claims that have been received from U.S. sources that relate or may relate to this condition in the involved Toyota vehicles.

Related NHTSA Recall Number:

Description of Remedy

Remedy Type: Replace

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.

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Owners are advised to park their vehicles outside and away from structures until the recall remedy is complete.

How remedy component differs from recalled component:

Recalled Component: Engine Starter – p/n: 8671503

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:**

Recall Schedule

Description of recall schedule:

Dealer notification is planned to begin and end on September 23, 2025.
Owner notification (Interim if necessary) is planned to begin and end on November 14, 2025.

Planned Dealer Notification Date: Sep 23, 2025 - Sep 23, 2025 ☐ No Dealers

Planned Interim Owner Notification Date: Nov 14, 2025 - Nov 14, 2025 ☐ No Owners

Planned Remedy Owner Notification Date: Nov 14, 2025 - Nov 14, 2025 ☒ Phased Recall

Date when VIN will be searchable: Nov 14, 2025