

Part 573 Safety Recall Report

24V-716

Manufacturer Name : BMW of North America, LLC**Submission Date :** OCT 28, 2024**NHTSA Recall No. :** 24V-716**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 : 5,048

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2021-2024 BMW R18

Vehicle Type : MOTORCYCLES

Body Style :

Power Train : GAS

Descriptive Information : Approximately 5,048 motorcycles were equipped with the optional reverse gear. The sealing of the reverse gear control unit may deteriorate over time which could allow humidity to enter the unit. Over the lifetime of the motorcycle, this could lead to corrosion of internal electrical contacts. In very rare cases, this could increase the risk of a thermal event.

Basis for recall population determination:

Motorcycle manufacturing information was reviewed to determine the number and production date range of potentially affected motorcycles.

Recall component difference to non-recall component: The sealing of the potentially affected reverse gear control units may deteriorate over time which could allow humidity to enter the unit.

Production Dates : JUN 19, 2020 - JUL 11, 2024

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

Description of the Defect : This safety recall involves the reverse gear control unit. The sealing of the reverse gear control unit may deteriorate which could allow humidity to enter the unit. Over the lifetime of the motorcycle, especially in year-round tropical (hot/humid) climatic, this could lead to corrosion of internal electrical contacts. This will lead to a loss of the reverse function.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Leakage current between corroded contacts could result in component heating. This could lead to heat damage (scorching damage/smoke development) on the reverse gear control unit. In very rare cases, this could increase the risk of a thermal event or a fire.

Description of the Cause : NR

Identification of Any Warning that can Occur : The rider may notice a loss of the reverse function.

Involved Components :

Component Name 1 : Reverse Gear Control Unit

Component Description : Reverse Gear Control Unit

Component Part Number : 9444031

Supplier Identification :

Component Manufacturer

Name : BECOM Electronics GmbH

Address : Technikerstrasse 1
Hochstrass Foreign States 7442

Country : Austria

Chronology :

In June 2023, BMW became aware of a thermal event in a non-US market involving a Model Year 2021 BMW R18. Preliminary information pointed to the reverse gear control unit. An engineering investigation was initiated, the part was held for analysis, and the supplier was contacted.

Between July 2023 and January 2024, additional field incidents in non-US markets occurred where reverser control units overheated. The parts were returned for analysis, and some units were inspected.

Warranty data for all markets was analyzed. It was found that the warranty rate of the reverse gear control unit in South-East Asian countries with year-round tropical (hot/humid) climatic conditions was significantly larger than the average rate in other countries.

On February 8th, BMW decided to conduct a voluntary safety recall in South-East Asian markets. On February

15th, BMW submitted a Part 579 report to NHTSA (Foreign Recall ID 24F-038), as the analysis at that time did not warrant an action on potentially affected US motorcycles.

Further field monitoring and analysis was undertaken to assess whether, in other markets, a loss of function from corrosive effects could also potentially result in an increased risk for thermal events.

On June 27th, BMW became aware of a thermal event in a non-US market (but outside the recall's geographic region). The motorcycle was held for analysis to establish whether the reverse gear control unit was the root cause.

Between August and September, 3 additional field incidents in non-US markets (2 in the recall's geographic region, 1 outside the recall's geographic region) occurred.

On September 19th, 2024, BMW decided to extend the existing safety recall to all markets worldwide.

BMW has not received any reports, nor is BMW otherwise aware, of any accidents, injuries, or thermal events in the US market related to this issue. BMW has received approximately 21 warranty claims in the US market related to this issue.

Description of Remedy :

Description of Remedy Program : An electrical relay will be inserted between the battery and the reverse gear control unit so that the unit only receives electrical power while the ignition is on.

Owners will be notified by First Class mail and instructed to take their motorcycle to an authorized BMW motorcycle dealer to have the remedy performed for free. If this condition were to occur to a potentially affected motorcycle 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 : Recall component:
Reverse Gear Control Unit – part number: 9444031

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 September 26, 2024.
Notification to owners is planned to begin and end on November 18,

2024.

Planned Dealer Notification Date : SEP 26, 2024 - SEP 26, 2024

Planned Owner Notification Date : NOV 18, 2024 - NOV 18, 2024

* NR - Not Reported