

Part 573 Safety Recall Report

24V-714

Manufacturer Name : BMW of North America, LLC**Submission Date :** SEP 25, 2024**NHTSA Recall No. :** 24V-714**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 : 982

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2024-2025 BMW 530i xDrive, 540i xDrive

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Approximately 430 vehicles have been manufactured with a steering spindle in which the specifications may not have been appropriate for the application.

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: The specifications of the steering spindle may not have been appropriate for the application.

Production Dates : JUN 17, 2024 - JUL 17, 2024

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2024-2025 BMW i5 eDrive40, i5 xDrive40, i5 M60

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : Approximately 202 vehicles have been manufactured with a steering spindle in which the specifications may not have been appropriate for the application.

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: The specifications of the steering spindle may not have been appropriate for the application.

Production Dates : JUN 17, 2024 - JUL 18, 2024

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 3 : 2024-2024 BMW 740i xDrive, 760i xDrive

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Approximately 322 vehicles have been manufactured with a steering spindle in which the specifications may not have been appropriate for the application.

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: The specifications of the steering spindle may not have been appropriate for the application.

Production Dates : JUN 17, 2024 - JUL 16, 2024

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 4 : 2024-2024 BMW 750e xDrive

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : Approximately 7 vehicles have been manufactured with a steering spindle in which the specifications may not have been appropriate for the application.

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: The specifications of the steering spindle may not have been appropriate for the application.

Production Dates : JUN 18, 2024 - JUL 01, 2024

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 5 : 2024-2024 BMW i7 eDrive50, i7 xDrive60, i7 M70

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : Approximately 21 vehicles have been manufactured with a steering spindle in which the specifications may not have been appropriate for the application.

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: The specifications of the steering spindle may not have been appropriate for the application.

Production Dates : JUN 18, 2024 - JUL 03, 2024

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : This safety recall involves the steering spindle. The specifications of the spindle's double universal joint may not have been appropriate for the application. As a result, during certain steering maneuvers, the swivel socket of the double universal joint could become damaged. If the swivel socket breaks then, in rare cases, a larger steering effort could be unexpectedly needed.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If a larger steering effort is unexpectedly needed, this could increase the risk of a crash.

Description of the Cause : NR

Identification of Any Warning that can Occur : The driver may notice unusual noise from the steering column, and changes in the steering behavior.

Involved Components :

Component Name 1 : Steering Spindle

Component Description : Steering Spindle

Component Part Number : 5A22601, 5A4B1C4, 5A22604, 5A73B79, 5A2261, 5B3A274, 5B3F536, 4B08525, 7883242

Supplier Identification :

Component Manufacturer

Name : Nexteer

Address : Leonardo da Vinci Street 5
Gliwice Foreign States 44-100

Country : Poland

Chronology :

On June 26, 2024, at a vehicle assembly plant, a damaged steering spindle was noticed. An engineering investigation was initiated, and the supplier was contacted. An additional quality gate was introduced in an attempt to identify potentially suspect parts.

On June 27th, a second damaged steering spindle was noticed. Additional procedures were implemented at the supplier and at the vehicle assembly plant to check for damaged steering spindles.

In July, the investigation included a parts tear down and analysis, a dimensional and material analysis, including reflection electron microscopy, and a review of technical specifications. The investigation also included a review of parts handling during vehicle assembly and at the supplier. Two additional damaged steering spindles were found, and the quality checks were reviewed and revised.

On August 29th, a damaged steering spindle was noticed at the vehicle assembly plant.

On September 5th, a vehicle hold was issued.

Further engineering evaluations determined that a change at the supplier to the steering spindle's double universal joint specification involving material composition and production process resulted in a brittleness change which could cause the unit to become damaged.

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

On September 18, 2024, BMW decided to conduct a voluntary safety recall.

BMW is not aware of any warranty claims, customer complaints, or field reports that may be related to this issue. BMW has not received any reports, nor is BMW otherwise aware, of any accidents or injuries that may be related to this issue.

Description of Remedy :

Description of Remedy Program : The steering spindle's double universal joint will be replaced.

Owners will be notified by First Class mail and instructed to take their vehicle to an authorized BMW center to have the remedy performed for free. If this condition were noticed 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: Steering spindle double universal joint- p/n - 5A22601, 5A4B1C4, 5A22604, 5A73B79, 5A2261, 5B3A274, 5B3F536, 4B08525, 7883242

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 September 25, 2024. Owner notification is planned to begin and end on November 15, 2024.

Planned Dealer Notification Date : SEP 25, 2024 - SEP 25, 2024

Planned Owner Notification Date : NOV 15, 2024 - NOV 15, 2024

* NR - Not Reported