

Part 573 Safety Recall Report

23V-821

Manufacturer Name : BMW of North America, LLC

Submission Date : DEC 06, 2023

NHTSA Recall No. : 23V-821

Manufacturer Recall No. : Toyota - 23TA14



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 : 552

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2023-2023 Toyota GR Supra

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Approximately 16 vehicles were manufactured in which the integrated transmission control unit may not have been produced according to specifications by the supplier.
Basis for recall population determination:
Vehicle manufacturing information and supplier production records were reviewed to determine the number and production date range of potentially affected vehicles.

Recall component difference to non-recall component:

The integrated transmission control unit may not have been produced according to specifications by the supplier.

Production Dates : JAN 23, 2023 - JAN 27, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 2 : 2023-2023 BMW 3 Series Sedan (330i xDrive, M340i xDrive, M3)

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Approximately 32 vehicles were manufactured in which the integrated transmission control unit may not have been produced according to specifications by the supplier.

Basis for recall population determination:

Vehicle manufacturing information and supplier production records were reviewed to determine the number and production date range of potentially affected vehicles.

Recall component difference to non-recall component:

The integrated transmission control unit may not have been produced according to specifications by the supplier.

Production Dates : JAN 24, 2023 - MAR 24, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 3 : 2023-2023 BMW 5 Series Sedan (530i, 530i xDrive, M5)

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Approximately 20 vehicles were manufactured in which the integrated transmission control unit may not have been produced according to specifications by the supplier.

Basis for recall population determination:

Vehicle manufacturing information and supplier production records were reviewed to determine the number and production date range of potentially affected vehicles.

Recall component difference to non-recall component:

The integrated transmission control unit may not have been produced according to specifications by the supplier.

Production Dates : JAN 23, 2023 - FEB 03, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 4 : 2023-2023 BMW 4 Series Gran Coupe (430i, 430i xDrive)

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Approximately 32 vehicles were manufactured in which the integrated transmission control unit may not have been produced according to specifications by the supplier.

Basis for recall population determination:

Vehicle manufacturing information and supplier production records were reviewed to determine the number and production date range of potentially affected vehicles.

Recall component difference to non-recall component:

The integrated transmission control unit may not have been produced according to specifications by the supplier.

Production Dates : JAN 23, 2023 - FEB 03, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 5 : 2023-2023 BMW 4 Series Coupe (430i, 430i xDrive, M440i xDrive)

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Approximately 6 vehicles were manufactured in which the integrated transmission control unit may not have been produced according to specifications by the supplier.

Basis for recall population determination:

Vehicle manufacturing information and supplier production records were reviewed to determine the number and production date range of potentially affected vehicles.

Recall component difference to non-recall component:

The integrated transmission control unit may not have been produced according to specifications by the supplier.

Production Dates : JAN 23, 2023 - JAN 26, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 6 : 2023-2023 BMW 4 Series Convertible (430i, 430i xDrive, M440i xDrive)

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Approximately 8 vehicles were manufactured in which the integrated transmission control unit may not have been produced according to specifications by the supplier.
Basis for recall population determination:

Vehicle manufacturing information and supplier production records were reviewed to determine the number and production date range of potentially affected vehicles.

Recall component difference to non-recall component:

The integrated transmission control unit may not have been produced according to specifications by the supplier.

Production Dates : JAN 23, 2023 - JAN 26, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 7 : 2023-2023 BMW 8 Series Coupe (840i, M850i xDrive, M8)

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Approximately 5 vehicles were manufactured in which the integrated transmission control unit may not have been produced according to specifications by the supplier.
Basis for recall population determination:

Vehicle manufacturing information and supplier production records were reviewed to determine the number and production date range of potentially affected vehicles.

Recall component difference to non-recall component:

The integrated transmission control unit may not have been produced according to specifications by the supplier.

Production Dates : JAN 24, 2023 - JAN 26, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 8 : 2023-2023 BMW 8 Series Convertible (840i, M850i xDrive, M8)

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Approximately 6 vehicles were manufactured in which the integrated transmission control unit may not have been produced according to specifications by the supplier.
Basis for recall population determination:

Vehicle manufacturing information and supplier production records were reviewed to determine the number and production date range of potentially affected vehicles.

Recall component difference to non-recall component:

The integrated transmission control unit may not have been produced according to specifications by the supplier.

Production Dates : JAN 24, 2023 - JAN 26, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 9 : 2023-2023 BMW 8 Series Gran Coupe (850i xDrive, M8)

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Approximately 2 vehicles were manufactured in which the integrated transmission control unit may not have been produced according to specifications by the supplier.
Basis for recall population determination:

Vehicle manufacturing information and supplier production records were reviewed to determine the number and production date range of potentially affected vehicles.

Recall component difference to non-recall component:

The integrated transmission control unit may not have been produced according to specifications by the supplier.

Production Dates : JAN 24, 2023 - JAN 26, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 10 : 2023-2023 BMW X3 SAV (X3 xDrive30i, X3M)

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Approximately 242 vehicles were manufactured in which the integrated transmission control unit may not have been produced according to specifications by the supplier.

Basis for recall population determination:

Vehicle manufacturing information and supplier production records were reviewed to determine the number and production date range of potentially affected vehicles.

Recall component difference to non-recall component:

The integrated transmission control unit may not have been produced according to specifications by the supplier.

Production Dates : FEB 14, 2023 - JUN 15, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 11 : 2023-2023 BMW X4 SAV (X4 xDrive30i)

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Approximately 20 vehicles were manufactured in which the integrated transmission control unit may not have been produced according to specifications by the supplier.

Basis for recall population determination:

Vehicle manufacturing information and supplier production records were reviewed to determine the number and production date range of potentially affected vehicles.

Recall component difference to non-recall component:

The integrated transmission control unit may not have been produced according to specifications by the supplier.

Production Dates : FEB 14, 2023 - FEB 23, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 12 : 2023-2023 BMW X5 SAV (X5 xDrive40i, X5 M50i, X5 M)

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Approximately 92 vehicles were manufactured in which the integrated transmission control unit may not have been produced according to specifications by the supplier.
Basis for recall population determination:

Vehicle manufacturing information and supplier production records were reviewed to determine the number and production date range of potentially affected vehicles.

Recall component difference to non-recall component:

The integrated transmission control unit may not have been produced according to specifications by the supplier.

Production Dates : FEB 17, 2023 - MAR 17, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 13 : 2023-2023 BMW X6 SAV (X6 xDrive40i, X6 M50i, X6M)

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Approximately 49 vehicles were manufactured in which the integrated transmission control unit may not have been produced according to specifications by the supplier.
Basis for recall population determination:

Vehicle manufacturing information and supplier production records were reviewed to determine the number and production date range of potentially affected vehicles.

Recall component difference to non-recall component:

The integrated transmission control unit may not have been produced according to specifications by the supplier.

Production Dates : FEB 17, 2023 - MAR 18, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 14 : 2023-2023 BMW Z4 sDrive30i, Z4 M40i
Vehicle Type : LIGHT VEHICLES
Body Style : 2-DOOR
Power Train : GAS

Descriptive Information : Approximately 22 vehicles were manufactured in which the integrated transmission control unit may not have been produced according to specifications by the supplier.
Basis for recall population determination:

Vehicle manufacturing information and supplier production records were reviewed to determine the number and production date range of potentially affected vehicles.

Recall component difference to non-recall component:

The integrated transmission control unit may not have been produced according to specifications by the supplier.

Production Dates : JAN 23, 2023 - FEB 01, 2023

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : The integrated transmission control unit, which is part of the transmission mechatronics module, may not have been produced according to specifications by the supplier. Specifically, the weld seam of the two halves of the control unit's housing / cover may not have been manufactured properly. As a result, this could allow automatic transmission oil to leak into the transmission control unit which could then contact electronic components. If this happened, it could affect the operation of the clutch pressure control valves.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the function and operation of the transmission was affected, this could lead to a seizure of the transmission gears. Transmission seizure at high speed could affect vehicle handling and control and increase the risk of a crash.

Description of the Cause : NR

Identification of Any Warning that can Occur : NR

Involved Components :

Component Name 1 : Integrated Transmission Control Unit

Component Description : Integrated Transmission Control Unit

Component Part Number : 8098297, 5A131E0, 8743457, 5A131E6

Supplier Identification :

Component Manufacturer

Name : ZF Friedrichshafen AG

Address : Suedring
Saarbruecken Foreign States 66117

Country : Germany

Chronology :

On July 13, 2023, BMW became aware of a possible issue involving the Integrated Transmission Control Unit (ITCU) from its supplier. The supplier indicated that during certain quality assurance tests, some parts became suspect. As a result, additional parts which had successfully completed the tests and that had been retained, were then subject to further testing and analyses, including photo-microscopy. The micrographs indicated that some portion of the welding seams may have been suspect. Additional testing, involving shaker tests to simulate long term durability, were performed.

Between August and September, further in-depth reviews of the information and data provided by the supplier were conducted. This led to further requests for additional information and data from the supplier involving production process testing details, production lot information, and scope parameters.

In October and November, further evaluations were conducted, including failure modes and affects analyses. Information from the field was reviewed to determine if any vehicles had experienced the issue.

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

On November 29, 2023, BMW decided to conduct a voluntary safety recall.

During its analyses, BMW was not aware of any customer complaints, warranty claims, or field reports that may be related to this issue and, similarly, Toyota was not aware of any non-dealer field reports or warranty claims that may be related to this issue.

BMW and Toyota have not received any reports, nor are BMW and Toyota otherwise aware, of any accidents or injuries that may be related to this issue.

Description of Remedy :

Description of Remedy Program : The transmission mechatronics module, which contains the integrated transmission control unit, will be replaced. If necessary, the automatic transmission fluid will also be replaced.

Owners will be notified by First Class mail advising them of the recall and to schedule an appointment with an authorized BMW / Toyota dealer to have the remedy performed for free. If this condition were to occur to a potentially affected vehicle prior to this recall, the remedy would be covered by the BMW / Toyota 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: Integrated Transmission Control Unit- part number: 8098297, 5A131E0, 8743457, 5A131E6

Identify How/When Recall Condition was Corrected in Production : NR

Recall Schedule :

Description of Recall Schedule : Dealer notification is expected to begin and end on December 6, 2023.

Owner notification is expected to begin and end on February 1, 2024.

Planned Dealer Notification Date : DEC 06, 2023 - DEC 06, 2023

Planned Owner Notification Date : FEB 01, 2024 - FEB 01, 2024

* NR - Not Reported