

# Part 573 Safety Recall Report

# 19V-850

**Manufacturer Name :** BMW of North America, LLC

**Submission Date :** NOV 27, 2019

**NHTSA Recall No. :** 19V-850

**Manufacturer Recall No. :** Toyota - 19TA20



## 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 : 245

Estimated percentage with defect : 100 %

## Vehicle Information :

Vehicle 1 : 2020-2020 BMW Z4 M40i and Z4 sDrive30i

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

**Descriptive Information :** Approximately 37 vehicles contain headlamp control unit(s) that may fail and lead to a loss of function of the left and/or right headlamp(s).

**Basis for recall population determination:** Supplier production records were reviewed to determine the start and end date of potentially affected control units and vehicles.

**Recall component difference to non-recall component:** The printed circuit board(s) of the headlamp control unit(s) may have experienced a process issue during supplier production.

**Production Dates :** JUL 16, 2019 - AUG 20, 2019

**VIN Range 1 : Begin :**

NR

**End :** NR

☐ Not sequential

Vehicle 2 : 2020-2020 Toyota Supra

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

**Descriptive Information :** Approximately 177 vehicles contain headlamp control unit(s) that may fail and lead to a loss of function of the left and/or right headlamp(s).

**Basis for recall population determination:** Supplier production records were reviewed to determine the start and end date of potentially affected control units and vehicles.

**Recall component difference to non-recall component:** The printed circuit board(s) of the headlamp control unit(s) may have experienced a process issue during supplier

production.

Production Dates : JUL 15, 2019 - JUL 25, 2019

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 3 : 2020-2020 BMW 3 Series (330i and 330i xDrive)

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Approximately 31 vehicles contain headlamp control unit(s) that may fail and lead to a loss of function of the left and/or right headlamp(s).

Basis for recall population determination: Supplier production records were reviewed to determine the start and end date of potentially affected control units and vehicles.

Recall component difference to non-recall component: The printed circuit board(s) of the headlamp control unit(s) may have experienced a process issue during supplier production.

Production Dates : JUL 22, 2019 - OCT 18, 2019

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

## Description of Defect :

Description of the Defect : Certain left and/or right headlamp(s) may experience a loss of function. The printed circuit board (PCB) of potentially affected headlamp control unit(s) may have experienced a process issue during supplier production. Specifically, during an alignment process of the PCBs, a centering pin may have inadvertently contained foreign object debris. This could cause the left and/or right headlamp(s) to experience a loss of function.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If a loss of function to the left and/or right headlamp occurred, this would affect headlamp illumination and turn-signal function. Driving without a turn signal or with both headlamps disabled could increase the risk of a crash.

Description of the Cause : NR

Identification of Any Warning that can Occur : Drivers will be alerted by a message in the instrument cluster. Also, a higher-frequency clicking sound will be audible regarding the turn signal.

## Supplier Identification :

### Component Manufacturer

Name : Lear Corporation GmbH  
Address : Industriestraße 48  
Kronach FOREIGN STATES 96317  
Country : Germany

## Chronology :

On July 26, 2019, BMW was informed by the headlamp control unit supplier of a potential for loss of functionality to the headlamp. An engineering review was initiated.

In August, analysis of the PCB manufacturing process found that during alignment of the PCB, a centering pin may have inadvertently contained foreign object debris. This could potentially affect alignment, leading to stress concentrations on a PCB capacitor which could lead to headlamp loss of function.

The review also indicated that potentially affected parts had successfully passed supplier-based testing and, therefore, the potential for a field incident was thought to be very low. Field monitoring was initiated.

In October, there were 10 cases of headlamp failure reported from Vehicle Distribution Centers and dealers. Further analyses were conducted and the results showed that the vehicles that experienced the issue contained the potentially affected headlamp PCBs.

Supplier production information was used to identify the start and end date of potentially affected control units which was then correlated with vehicle assembly information to determine potentially affected vehicles.

On Nov. 20, 2019, 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.

## Description of Remedy :

Description of Remedy Program : The affected headlamp control unit(s) will be replaced.

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. If this condition were to occur to 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 : Recall component: headlamp control unit, part number 7933358

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 Nov. 27, 2019  
Owner notification is planned to begin and end on Jan. 17, 2020.

Planned Dealer Notification Date : NOV 27, 2019 - NOV 27, 2019

Planned Owner Notification Date : JAN 17, 2020 - JAN 17, 2020

\* NR - Not Reported