

Part 573 Safety Recall Report

19V-599

Manufacturer Name : BMW of North America, LLC**Submission Date :** AUG 14, 2019**NHTSA Recall No. :** 19V-599**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 : 139

Estimated percentage with defect : 10 %

Vehicle Information :

Vehicle 1 : 2019-2019 BMW i3 BEV

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : Approximately 27 vehicles contain an Electric Motor Electronics (EME) module that may not have been produced to specifications.

Basis for recall population determination: Supplier production information was used to identify the start and end date of the EME modules which may have been subject to an out-of-specification production process which was then correlated with vehicle assembly information to determine the start date and the end date of potentially affected vehicles.

Recall component difference to non-recall component: The recall component contains a Printed Circuit Board (PCB) that may not have been produced to specifications.

Production Dates : JAN 09, 2019 - FEB 25, 2019

VIN Range 1 : Begin : NR

End : NR

 Not sequential

Vehicle 2 : 2019-2019 BMW i8

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : Approximately 6 vehicles contain an Electric Motor Electronics (EME) module that may not have been produced to specifications.

Basis for recall population determination: Supplier production information was used to identify the start and end date of the EME modules which may have been subject to an out-of-specification production process which was then correlated with vehicle assembly information to determine the start date and the end date of potentially affected vehicles.

affected vehicles.

Recall component difference to non-recall component: The recall component contains a Printed Circuit Board (PCB) that may not have been produced to specifications.

Production Dates : FEB 07, 2019 - MAR 06, 2019

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 3 : 2019-2019 BMW i3 REx

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : Approximately 106 vehicles contain an Electric Motor Electronics (EME) module that may not have been produced to specifications.

Basis for recall population determination: Supplier production information was used to identify the start and end date of the EME modules which may have been subject to an out-of-specification production process which was then correlated with vehicle assembly information to determine the start date and the end date of potentially affected vehicles.

Recall component difference to non-recall component: The recall component contains a Printed Circuit Board (PCB) that may not have been produced to specifications.

Production Dates : DEC 19, 2018 - MAR 29, 2019

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : This safety recall involves the Electric Motor Electronics (EME) module. During production at a sub-supplier, the EME's Printed Circuit Board (PCB) may not have been produced to specifications. This could lead to an increase in transition resistance at certain PCB contact points and cause a loss of electrical contact. The EME module would detect this condition and, appropriately, shut down high-voltage electrical power.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : A shut down of high-voltage electrical power would result in a loss of propulsion, increasing the risk of a crash. However, the 12-volt electrical power remains functional to support power steering and braking.

Description of the Cause : NR

Identification of Any Warning that can Occur : NR

Supplier Identification :

Component Manufacturer

Name : Zollner Elektronik AG
Address : Manfred-Zollner Strasse 1
Zandt FOREIGN STATES
Country : Germany

Chronology :

In early July, BMW became aware of several field incidents, from non-US markets, involving high-voltage electrical power loss on Model Year 2019 BMW i3 and i8 vehicles. An initial review of the incidents was conducted, but the nature of the power loss was not clear.

Further reviews were conducted, which also involved the Electric Motor Electronics (EME) supplier and sub-supplier. The Tier-1 supplier informed BMW that certain EME modules may not have been produced to specifications. The supplier indicated that the EME's Printed Circuit Board (PCB) may not have been produced to specifications on a specific assembly line by the Tier-2 supplier.

A review of the Tier-2 supplier's production records was able to identify the production dates of potentially affected PCBs.

Vehicle manufacturing and Tier-1/Tier-2 supplier production records were examined in order to determine the number, and production dates, of potentially affected vehicles.

On August 7, 2019, BMW decided to conduct a voluntary 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 Electric Motor Electronics (EME) 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 to occur to a potentially affected vehicle prior to the 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 : Electric Motor Electronics (EME) p/n 8488543, 848854, 8488547, 8488548

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

Recall Schedule :

Description of Recall Schedule : Notification to dealers is expected to begin and end on August 14, 2019.
Notification to owners is expected to begin and end on October, 7, 2019.

Planned Dealer Notification Date : AUG 14, 2019 - AUG 14, 2019

Planned Owner Notification Date : OCT 07, 2019 - OCT 07, 2019

* NR - Not Reported