#### OMB Control No.: 2127-0004

# Part 573 Safety Recall Report

# 19V-883

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

NHTSA Recall No.: 19V-883

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 : 3,012 Estimated percentage with defect : 100 %

#### **Vehicle Information:**

Vehicle 1: 2019-2020 BMW M5 Vehicle Type: LIGHT VEHICLES

Body Style : 4-DOOR Power Train : GAS

Descriptive Information: Approximately 2,093 vehicles contain a transmission wiring harness that may

become damaged and lead to a loss of propulsion.

Basis for recall population determination: All vehicles produced in the identified production period with a transmission wiring harness which contains a specific

insulation material, routing path and fastening method.

Recall component difference to non-recall component: The transmission wiring harness, including location, routing, and fastening method is different for the recalled

component.

Production Dates: JAN 30, 2019 - OCT 30, 2019

Vehicle 2: 2020-2020 BMW M8 Gran Coupe

Vehicle Type: LIGHT VEHICLES

Body Style: 4-DOOR
Power Train: GAS

Descriptive Information: Approximately 7 vehicles contain a transmission wiring harness that may become

damaged and lead to a loss of propulsion.

Basis for recall population determination: All vehicles produced in the identified production period with a transmission wiring harness which contains a specific

insulation material, routing path and fastening method.

Recall component difference to non-recall component: The transmission wiring

	harness, includir component.	ng location, rou	ting, and fastenin	ng method is different for the recalled
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Production Dates : VIN Range 1 :		C1 29, 2019 NR	End: NR	☐ Not sequential
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Vehicle 3:	2020-2020 BMV	V M8 Coupe		
Vehicle Type :	LIGHT VEHICLES	S		
Body Style :	2-DOOR			
Power Train :	GAS			
Descriptive Information :	Approximately 4 damaged and lea			ion wiring harness that may become
	Basis for recall population determination: All vehicles produced in the identified production period with a transmission wiring harness which contains a specific insulation material, routing path and fastening method.			
	-		-	onent: The transmission wiring ng method is different for the recalled
Production Dates :	JUL 03. 2019 - 00	CT 30, 2019		
VIN Range 1:		NR	End: NR	☐ Not sequential
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	2020-2020 BMV		le	
Vehicle Type :	LIGHT VEHICLES		le	
Vehicle Type : Body Style :	LIGHT VEHICLES 2-DOOR		le	
Vehicle Type : Body Style : Power Train :	LIGHT VEHICLES 2-DOOR GAS	S 182 vehicles con	ntain a transmiss	ion wiring harness that may become
Vehicle Type : Body Style : Power Train :	LIGHT VEHICLES 2-DOOR GAS Approximately 4 damaged and lea Basis for recall p	S 182 vehicles con ad to a loss of propulation deter and with a transi	ntain a transmiss copulsion. rmination: All ve nission wiring ha	chicles produced in the identified arness which contains a specific
Vehicle Type : Body Style : Power Train :	LIGHT VEHICLES 2-DOOR GAS Approximately 4 damaged and lea Basis for recall p production period insulation mater Recall componer	S vehicles con ad to a loss of propulation determined with a transicial, routing patient difference to	ntain a transmiss ropulsion. rmination: All ve nission wiring ha h and fastening n	chicles produced in the identified arness which contains a specific
Vehicle Type :     Body Style :     Power Train : Descriptive Information :	LIGHT VEHICLES 2-DOOR GAS Approximately 4 damaged and lea Basis for recall p production perio insulation mater Recall componer harness, includir component.	882 vehicles condition and to a loss of propulation determined with a transmial, routing patint difference to a glocation, rou	ntain a transmiss ropulsion. rmination: All ve nission wiring ha h and fastening n	chicles produced in the identified arness which contains a specific nethod.  onent: The transmission wiring
Vehicle Type :     Body Style :     Power Train : Descriptive Information :  Production Dates :	LIGHT VEHICLES 2-DOOR GAS Approximately 4 damaged and lea Basis for recall p production perior insulation mater Recall componer harness, including component.  FEB 20, 2019 - O	82 vehicles condito a loss of propulation determined with a transmital, routing patient difference to a glocation, routing location, routi	ntain a transmiss ropulsion. rmination: All ve nission wiring ha h and fastening n non-recall compo ting, and fastenin	chicles produced in the identified arness which contains a specific method.  The transmission wiring method is different for the recalled
Vehicle Type :     Body Style :     Power Train : Descriptive Information :	LIGHT VEHICLES 2-DOOR GAS Approximately 4 damaged and lea Basis for recall p production perior insulation mater Recall componer harness, including component.  FEB 20, 2019 - O	882 vehicles condition and to a loss of propulation determined with a transmial, routing patint difference to a glocation, rou	ntain a transmiss ropulsion. rmination: All ve nission wiring ha h and fastening n	chicles produced in the identified arness which contains a specific nethod.  onent: The transmission wiring

### **Description of Defect:**

Description of the Defect: Due to the insulation material of the transmission wiring harness, its location/

routing, and certain fastening points of the harness to the transmission housing, it could become damaged and lead to a short circuit. This could cause

the vehicle to shift to Neutral while driving and cause a loss of propulsion.

FMVSS 1: NR FMVSS 2: NR

Description of the Safety Risk: A loss of propulsion could increase the risk of a crash.

Description of the Cause: NR

Identification of Any Warning The driver will be alerted by a display of the Neutral gear position in the

that can Occur: instrument cluster and, if the accelerator pedal were depressed while in

Neutral, a noise indicating an increase in engine rpm without an associated

increase in vehicle speed.

## **Supplier Identification:**

# **Component Manufacturer**

Name: Nexans Autoelectric GmbH

Address: Vohenstrausser Strasse 20

Floss FOREIGN STATES 92685

Country: Germany

#### **Chronology:**

On September 24, 2019, a vehicle experienced an unexpected transmission shift to Neutral at the vehicle assembly plant while driving to its next station. The vehicle could not be shifted to Drive and, when attempting to restart, the transmission shifted to the Park position.

Between October and late November, an engineering and assembly process review, along with a field incident analysis was conducted. The review indicated that the insulation material of the harness, its routing, and certain fastening points of the harness to the transmission housing, could be contributing factors.

A review of the field incidents indicated that there were approximately 18 vehicles worldwide which experienced a similar occurrence.

Final analyses showed that the wiring harness insulation material properties, its routing, and certain fastening points of the harness to the transmission housing, could cause the insulation material to become damaged, leading to a short circuit, and the possibility of the transmission inadvertently shifting to Neutral.

On December 4, 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 transmission wiring harness will be inspected and, if visible damage is

present, it will be replaced. All harnesses will be rerouted and secured

with different fasteners.

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 prenotification remedy re Part 573.13 and Part 577.11 is not necessary.

How Remedy Component Differs Recall component: transmission wiring harness, part number 7856779

from Recalled Component:

Identify How/When Recall Condition NR

was Corrected in Production:

#### **Recall Schedule:**

Description of Recall Schedule: Dealer notification is planned to begin and end on Dec 11, 2019.

Owner notification is planned to begin and end on Feb 3, 2020.

Planned Dealer Notification Date: DEC 11, 2019 - DEC 11, 2019 Planned Owner Notification Date: FEB 03, 2020 - FEB 03, 2020

\* NR - Not Reported