### OMB Control No.: 2127-0004

# Part 573 Safety Recall Report

Manufacturer Name :BMW of North America, LLCSubmission Date :OCT 11, 2018NHTSA Recall No. :18V-713Manufacturer Recall No. :NR

# Manufacturer Information :

Manufacturer Name : BMW of North America, LLC Address : P.O. Box 1227 Westwood NJ 07675-1227 Company phone : 18005257417

# Vehicle Information :

Vehicle 1:	2016-2017 BMW M3 Sedan		
Vehicle Type :	LIGHT VEHICLES		
Body Style :	4-DOOR		
Power Train :	GAS		
Descriptive Information :	: Approximately 1,456 vehicles were equipped with a drive shaft which contains an integral flange that was not produced with sufficient long-term durability characteristics.		
	Basis for recall population determination: Driveshaft production information was used to identify the start date and end date of potentially affected drive shafts, of a specific design configuration, which was then correlated with vehicle assembly information to determine the start date $(06/28/2016)$ and end date $(09/30/2016)$ of potentially affected vehicles.		
	Recall component difference to non-recall component: Recalled drive shafts were produced with an integral flange which does not have sufficient long-term durability compared to other drive shaft flanges which were produced with sufficient long-term durability.		
Production Dates :	JUN 28, 2016 - SEP 30, 2016		
VIN Range 1:	Begin :NREnd :NRNot sequential		
Vehicle 2 : Vehicle Type : Body Style : Power Train : Descriptive Information :	2017-2017 BMW M4 Convertible LIGHT VEHICLES 2-DOOR GAS Approximately 269 vehicles were equipped with a drive shaft which contains an integral flange that was not produced with sufficient long-term durability characteristics. Basis for recall population determination: Driveshaft production information was		
Thei	nformation contained in this report was submitted pursuant to 49 CFR §573		



Number of potentially involved : 2,661Estimated percentage with defect : 100~%

**Population :** 

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	used to ide specific de informatic potentially	entify the start d esign configurate on to determine y affected vehicle	ate and end date of potent on, which was then correla the start date (06/29/201 es.	tially affected drive sha ted with vehicle assem 6) and end date (09/30	fts, of a bly )/2016) of
	Recall com produced compared durability.	nponent differen with an integral to other drive s	ce to non-recall componen flange which does not hav haft flanges which were pr	nt: Recalled drive shaft re sufficient long-term o roduced with sufficient	s were lurability long-term
Production Dates : VIN Range 1 :	JUN 29, 20 Begin :	016 - SEP 30, 201 NR	6 End: NR	Not se	equential
Vehicle 3 : Vehicle Type : Body Style : Power Train : Descriptive Information :	2016-2017 LIGHT VEI 2-DOOR GAS Approxima integral fla characteria Basis for r used to ide specific de informatic potentially Recall com produced compared durability.	7 BMW M4 Coup HICLES ately 936 vehicle ange that was no stics. ecall population entify the start d esign configuration to determine y affected vehicle ponent different with an integral to other drive s	be, M4 GTS Coupe es were equipped with a d ot produced with sufficient determination: Driveshaf late and end date of potent on, which was then correls the start date (03/02/201 es. lice to non-recall component flange which does not hav haft flanges which were pr	rive shaft which contain long-term durability ft production information tially affected drive shaft ated with vehicle assem 6) and end date (09/30 nt: Recalled drive shaft re sufficient long-term of roduced with sufficient	ns an on was fts, of a ibly )/2016) of s were lurability long-term
Production Dates : VIN Range 1 :	MAR 02, 2 Begin :	016 - SEP 30, 20 NR	End: NR	Not se	equential
Description of Defect :					
Description of the Defe	ct : This sa to insu drivesh comple	fety recall invol fficient long-tern haft and the flan etely.	ves the driveshaft which com m durability of the flange, ge may loosen. Over time,	ontains an integral flan the connection between this connection could l	ge. Due n the oosen
FMVSS	1: NR 2: NR				
Description of the Safety Ris	sk : It there torque	e is no connectio may no longer l	on between the driveshaft a be transmitted to the rear	and the flange, then dri wheels, resulting in a lo	ve oss of

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	propulsion, and increasing the risk of a crash.
Description of the Cause :	NR
Identification of Any Warning	The driver may be alerted by noise and/or vibration from underneath the
that can Occur :	vehicle. Over time, this noise and/or vibration may increase.

### **Supplier Identification :**

### **Component Manufacturer**

Name : BMW AG Address : NR NR Country : NR

### **Chronology** :

On July 9, 2018, BMW was made aware of field incidents involving the driveshaft of M3 Sedan, M4 Coupe, and M4 Convertible vehicles. Drivers of these vehicles reported hearing noise, noticing vibration, and, in some cases, experiencing a loss of power. BMW requested the drive shafts for inspection and analysis. Factors such as vehicle age and mileage, engine power / torque, and operating and environmental conditions were considered.

In late August, preliminary analyses suggested the possibility of an issue involving a flange which was integral to the driveshaft.

In September, further in-depth analyses were conducted involving vehicle construction, engine type, driveshaft design/build configuration history, and drive train geometry. Individual case assessments were conducted and completed. The engineering analyses concluded that, during a specific production period, the integral flange may not have been produced with sufficient long-term durability characteristics and, as a result, over time could separate from the driveshaft.

Driveshaft production records and vehicle manufacturing information were reviewed to determine the quantity and production date range of potentially affected vehicles.

On October 4, 2018, 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.

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### **Description of Remedy :**

Description of Remedy Program :	The drive shaft, containing the integral flange, 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 drive shaft replaced at no charge. Owners who have replaced the drive shaft at their own expense prior to the recall notification may be eligible for reimbursement according to BMW Group's reimbursement plan in accordance with 49 CFR 573.13 and 49 CFR 577.11.
How Remedy Component Differs from Recalled Component :	Recalled component: drive shaft; $p/n$ 7857629-01
Identify How/When Recall Condition was Corrected in Production :	NR
Recall Schedule :	
Description of Recall Schedule :	Notification to dealers is planned to begin and end on 11 Oct 2018.

Description of Recall Schedule :	Notification to dealers is planned to begin and end on 11 Oct 2018. Notification to owners is planned to begin and end on 3 Dec 2018.
Planned Dealer Notification Date :	OCT 11, 2018 - OCT 11, 2018
Planned Owner Notification Date :	DEC 03, 2018 <sup>-</sup> DEC 03, 2018

\* NR - Not Reported

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