Part 573 Safety Recall Report 18V-713

Manufacturer Name : BMW of North America, LLC
Submission Date : OCT 11, 2018
NHTSA Recall No. : 18V-713
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 : 2,661
Estimated percentage with defect : 100 %

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 : NR End : NR ☐ Not sequential

Vehicle 2 : 2017-2017 BMW M4 Convertible
Vehicle Type : LIGHT VEHICLES
Body Style : 2-DOOR
Power Train : GAS
Descriptive Information : 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

used to identify the start date and end date of potentially affected drive shafts, of a specific design configuraton, which was then correlated with vehicle assembly information to determine the start date (06/29/2016) 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 29, 2016 - SEP 30, 2016

VIN Range 1 : Begin : NR End : NR ☐ Not sequential

Vehicle 3 : 2016-2017 BMW M4 Coupe, M4 GTS Coupe

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Approximately 936 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 (03/02/2016) 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 : MAR 02, 2016 - SEP 30, 2016

VIN Range 1 : Begin : NR End : NR ☐ Not sequential

Description of Defect :

Description of the Defect : This safety recall involves the driveshaft which contains an integral flange. Due to insufficient long-term durability of the flange, the connection between the driveshaft and the flange may loosen. Over time, this connection could loosen completely.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : It there is no connection between the driveshaft and the flange, then drive torque may no longer be transmitted to the rear wheels, resulting in a loss of

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

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. 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 - DEC 03, 2018

* NR - Not Reported