

Part 573 Safety Recall Report

19V-732

Manufacturer Name : BMW of North America, LLC**Submission Date :** OCT 15, 2019**NHTSA Recall No. :** 19V-732**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 : 217

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2019-2020 BMW 330i, 330i xDrive

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Approximately 205 vehicles were manufactured with an engine containing needle roller bearings of counterbalance shafts that may not have been installed according to specifications.

Basis for recall population determination: Engine production information was used to identify the start and end date of the needle roller bearings of the counterbalance shafts 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 (engine) may not have been produced to specifications.

Production Dates : NOV 22, 2018 - AUG 26, 2019

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2019-2019 BMW Z4

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Approximately 12 vehicles were manufactured with an engine containing needle roller bearings of counterbalance shafts that may not have been installed according to specifications.

Basis for recall population determination: Engine production information was used to identify the start and end date of the needle roller bearings of the counterbalance shafts 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 (engine) may not have been produced to specifications.

Production Dates : MAY 24, 2018 - APR 03, 2019

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : This safety recall involves engines in which needle roller bearings of counterbalance shafts may not have been installed according to specifications. If a needle roller bearing was not installed to specifications, this could cause loosening of the counterbalance shaft and lead to severe engine damage.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the engine became severely damaged, this could lead to engine shut-down and increase the risk of a crash.

Description of the Cause : NR

Identification of Any Warning that can Occur : The customer will notice loud noise from the engine compartment.

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

In May 2019, BMW became aware of two incidents where the customers noticed a loud engine noise prior to a vehicle breakdown. One incident occurred in the US involving a Model Year 2019 3 Series Sedan produced in February, while the other incident did not occur in the US involving a 2019 3 Series Sedan produced in April. Both vehicles had low mileage. The engines were requested for return, tear down and analyses.

In June, an engineering review of the damaged engines was conducted. It was suggested that the counterbalance shaft needle roller bearings may have caused the engine damage. Further analyses, including a review of the engine production process regarding installation of the needle roller bearings of the

counterbalance shafts were conducted. The field continued to be monitored.

In September, while further analyses were conducted, another field incident occurred involving a non-US Model Year 2019 5 Series Sedan produced in May.

The engineering review established that the press-in force for certain needle roller bearings of the counterbalance shafts was out-of-specification, specifically that the force was smaller than specified.

A review of engine production records enabled identification of engines produced with an insufficient press-in force of the needle roller bearings and their corresponding production dates.

Engine production and vehicle manufacturing dates were matched in order to determine the number, and production dates, of potentially affected vehicles.

On October 8, 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 engine 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 : Recall component: Engine with Counterbalance Shaft - p/n tbd

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 October 15, 2019. Notification to owners is expected to begin and end on December 6, 2019.

Planned Dealer Notification Date : OCT 15, 2019 - OCT 15, 2019

Planned Owner Notification Date : DEC 06, 2019 - DEC 06, 2019

* NR - Not Reported