Part 573 Safety Recall Report 18V-465

Manufacturer Name : BMW of North America, LLC
Submission Date : SEP 12, 2018
NHTSA Recall No. : 18V-465
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 : 5,309
Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2018-2018 BMW 540d xDrive
Vehicle Type : LIGHT VEHICLES
Body Style : 4-DOOR
Power Train : DIESEL
Descriptive Information : Approximately 12 vehicles may have been manufactured with a crankshaft sensor that, due to sensor firmware, cannot accurately process the input from the crankshaft reluctor ring.

Basis for recall population determination: Supplier production information was used to identify the start and end date of affected crankshaft sensors which was then correlated with engine production and vehicle assembly information to determine the start date (05/17/2018) and the end date (06/06/2018) of affected vehicles.

Recall component difference to non-recall component: Recalled crankshaft sensors cannot accurately process the input from the crankshaft reluctor ring due to an updated sensor.

Production Dates : MAY 17, 2018 - JUN 06, 2018
VIN Range 1 : Begin : NR End : NR ☐ Not sequential

Vehicle 2 : 2018-2018 BMW 2 Series Coupe (230i, M240i, M240i xDrive)
Vehicle Type : LIGHT VEHICLES
Body Style : 2-DOOR
Power Train : GAS
Descriptive Information : Approximately 28 vehicles may have been manufactured with a crankshaft sensor that, due to sensor firmware, cannot accurately process the input from the crankshaft reluctor ring.

Basis for recall population determination: Supplier production information was used to identify the start and end date of affected crankshaft sensors which was then correlated with engine production and vehicle assembly information to determine the

start date (05/22/2018) and the end date (05/30/2018) of affected vehicles.

Recall component difference to non-recall component: Recalled crankshaft sensors cannot accurately process the input from the crankshaft reluctor ring due to an updated sensor.

Production Dates : MAY 22, 2018 - MAY 30, 2018

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

Vehicle 3 : 2018-2018 BMW 2 Series Convertible (230i, 230i xDrive, M240i, M240i xDrive)

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Approximately 95 vehicles may have been manufactured with a crankshaft sensor that, due to sensor firmware, cannot accurately process the input from the crankshaft reluctor ring.

Basis for recall population determination: Supplier production information was used to identify the start and end date of affected crankshaft sensors which was then correlated with engine production and vehicle assembly information to determine the start date (05/18/2018) and the end date (06/07/2018) of affected vehicles.

Recall component difference to non-recall component: Recalled crankshaft sensors cannot accurately process the input from the crankshaft reluctor ring due to an updated sensor.

Production Dates : MAY 18, 2018 - JUN 07, 2018

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

Vehicle 4 : 2019-2019 BMW 430i Gran Coupe, 430i xDrive Gran Coupe, 440i Gran Coupe, 440i xDrive Gran Coupe

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Approximately 484 vehicles may have been manufactured with a crankshaft sensor that, due to sensor firmware, cannot accurately process the input from the crankshaft reluctor ring.

Basis for recall population determination: Supplier production information was used to identify the start and end date of affected crankshaft sensors which was then correlated with engine production and vehicle assembly information to determine the start date (05/16/2018) and the end date (06/06/2018) of affected vehicles.

Recall component difference to non-recall component: Recalled crankshaft sensors cannot accurately process the input from the crankshaft reluctor ring due to an

updated sensor.

Production Dates : MAY 16, 2018 - JUN 06, 2018

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

Vehicle 5 : 2018-2018 BMW X2 sDrive28i, X2 xDrive28i

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Approximately 651 vehicles may have been manufactured with a crankshaft sensor that, due to sensor firmware, cannot accurately process the input from the crankshaft reluctor ring.

Basis for recall population determination: Supplier production information was used to identify the start and end date of affected crankshaft sensors which was then correlated with engine production and vehicle assembly information to determine the start date (05/16/2018) and the end date (06/06/2018) of affected vehicles.

Recall component difference to non-recall component: Recalled crankshaft sensors cannot accurately process the input from the crankshaft reluctor ring due to an updated sensor.

Production Dates : MAY 16, 2018 - JUN 06, 2018

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

Vehicle 6 : 2018-2018 BMW X1 sDrive28i, X1 xDrive28i

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Approximately 634 vehicles may have been manufactured with a crankshaft sensor that, due to sensor firmware, cannot accurately process the input from the crankshaft reluctor ring.

Basis for recall population determination: Supplier production information was used to identify the start and end date of affected crankshaft sensors which was then correlated with engine production and vehicle assembly information to determine the start date (05/16/2018) and the end date (06/06/2018) of affected vehicles.

Recall component difference to non-recall component: Recalled crankshaft sensors cannot accurately process the input from the crankshaft reluctor ring due to an updated sensor.

Production Dates : MAY 16, 2018 - JUN 06, 2018

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

Vehicle 7 : 2018-2018 BMW 330i, 330i xDrive, 340i, 340i xDrive
Vehicle Type : LIGHT VEHICLES
Body Style : 4-DOOR
Power Train : GAS
Descriptive Information : Approximately 390 vehicles may have been manufactured with a crankshaft sensor that, due to sensor firmware, cannot accurately process the input from the crankshaft reluctor ring.

Basis for recall population determination: Supplier production information was used to identify the start and end date of affected crankshaft sensors which was then correlated with engine production and vehicle assembly information to determine the start date (05/16/2018) and the end date (06/07/2018) of affected vehicles.

Recall component difference to non-recall component: Recalled crankshaft sensors cannot accurately process the input from the crankshaft reluctor ring due to an updated sensor.

Production Dates : MAY 16, 2018 - JUN 07, 2018
VIN Range 1 : Begin : NR End : NR ☐ Not sequential

Vehicle 8 : 2018-2018 BMW 330i xDrive
Vehicle Type : LIGHT VEHICLES
Body Style : STATIONWAGON
Power Train : GAS
Descriptive Information : Approximately 5 vehicles may have been manufactured with a crankshaft sensor that, due to sensor firmware, cannot accurately process the input from the crankshaft reluctor ring.

Basis for recall population determination: Supplier production information was used to identify the start and end date of affected crankshaft sensors which was then correlated with engine production and vehicle assembly information to determine the start date (05/16/2018) and the end date (05/29/2018) of affected vehicles.

Recall component difference to non-recall component: Recalled crankshaft sensors cannot accurately process the input from the crankshaft reluctor ring due to an updated sensor.

Production Dates : MAY 16, 2018 - MAY 29, 2018
VIN Range 1 : Begin : NR End : NR ☐ Not sequential

Vehicle 9 : 2019-2019 BMW 4 Series Coupe (430i, 430i xDrive, 440i, 440i xDrive)
Vehicle Type : LIGHT VEHICLES
Body Style : 2-DOOR
Power Train : GAS

Descriptive Information : Approximately 217 vehicles may have been manufactured with a crankshaft sensor that, due to sensor firmware, cannot accurately process the input from the crankshaft reluctor ring.

Basis for recall population determination: Supplier production information was used to identify the start and end date of affected crankshaft sensors which was then correlated with engine production and vehicle assembly information to determine the start date (05/16/2018) and the end date (06/07/2018) of affected vehicles.

Recall component difference to non-recall component: Recalled crankshaft sensors cannot accurately process the input from the crankshaft reluctor ring due to an updated sensor.

Production Dates : MAY 16, 2018 - JUN 07, 2018

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

Vehicle 10 : 2019-2019 BMW 4 Series Convertible (430i, 430i xDrive, 440i, 440i xDrive)

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : sensor firmware, cannot accurately process the input from the crankshaft reluctor ring.

Basis for recall population determination: Supplier production information was used to identify the start and end date of affected crankshaft sensors which was then correlated with engine production and vehicle assembly information to determine the start date (05/17/2018) and the end date (06/06/2018) of affected vehicles.

Recall component difference to non-recall component: Recalled crankshaft sensors cannot accurately process the input from the crankshaft reluctor ring due to an updated sensor.

Production Dates : MAY 17, 2018 - JUN 06, 2018

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

Vehicle 11 : 2018-2018 BMW 330i xDrive Gran Turismo

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Approximately 9 vehicles may have been manufactured with a crankshaft sensor that, due to sensor firmware, cannot accurately process the input from the crankshaft reluctor ring.

Basis for recall population determination: Supplier production information was used to identify the start and end date of affected crankshaft sensors which was then

correlated with engine production and vehicle assembly information to determine the start date (05/17/2018) and the end date (05/29/2018) of affected vehicles.

Recall component difference to non-recall component: Recalled crankshaft sensors cannot accurately process the input from the crankshaft reluctor ring due to an updated sensor.

Production Dates : MAY 17, 2018 - MAY 29, 2018

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

Vehicle 12 : 2019-2019 BMW 740i, 740i xDrive

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Approximately 106 vehicles may have been manufactured with a crankshaft sensor that, due to sensor firmware, cannot accurately process the input from the crankshaft reluctor ring.

Basis for recall population determination: Supplier production information was used to identify the start and end date of affected crankshaft sensors which was then correlated with engine production and vehicle assembly information to determine the start date (05/17/2018) and the end date (06/06/2018) of affected vehicles.

Recall component difference to non-recall component: Recalled crankshaft sensors cannot accurately process the input from the crankshaft reluctor ring due to an updated sensor.

Production Dates : MAY 17, 2018 - JUN 06, 2018

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

Vehicle 13 : 2018-2018 BMW 530i, 530i xDrive, 540i, 540i xDrive

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Approximately 732 vehicles may have been manufactured with a crankshaft sensor that, due to sensor firmware, cannot accurately process the input from the crankshaft reluctor ring.

Basis for recall population determination: Supplier production information was used to identify the start and end date of affected crankshaft sensors which was then correlated with engine production and vehicle assembly information to determine the start date (05/18/2018) and the end date (06/08/2018) of affected vehicles.

Recall component difference to non-recall component: Recalled crankshaft sensors cannot accurately process the input from the crankshaft reluctor ring due to an

updated sensor.

Production Dates : MAY 18, 2018 - JUN 08, 2018

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

Vehicle 14 : 2019-2019 MINI Hardtop 4 Door (Cooper, Cooper S)

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Approximately 163 vehicles may have been manufactured with a crankshaft sensor that, due to sensor firmware, cannot accurately process the input from the crankshaft reluctor ring.

Basis for recall population determination: Supplier production information was used to identify the start and end date of affected crankshaft sensors which was then correlated with engine production and vehicle assembly information to determine the start date (05/22/2018) and the end date (06/13/2018) of affected vehicles.

Recall component difference to non-recall component: Recalled crankshaft sensors cannot accurately process the input from the crankshaft reluctor ring due to an updated sensor.

Production Dates : MAY 22, 2018 - JUN 13, 2018

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

Vehicle 15 : 2019-2019 MINI Countryman (Cooper, Cooper All4, Cooper S, Cooper S All4, JCW All4)

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Approximately 376 vehicles may have been manufactured with a crankshaft sensor that, due to sensor firmware, cannot accurately process the input from the crankshaft reluctor ring.

Basis for recall population determination: Supplier production information was used to identify the start and end date of affected crankshaft sensors which was then correlated with engine production and vehicle assembly information to determine the start date (05/26/2018) and the end date (06/12/2018) of affected vehicles.

Recall component difference to non-recall component: Recalled crankshaft sensors cannot accurately process the input from the crankshaft reluctor ring due to an updated sensor.

Production Dates : MAY 26, 2018 - JUN 12, 2018

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

Vehicle 16 : 2018-2018 BMW 530e, 530e xDrive
Vehicle Type : LIGHT VEHICLES
Body Style : 4-DOOR
Power Train : HYBRID ELECTRIC
Descriptive Information : Approximately 462 vehicles may have been manufactured with a crankshaft sensor that, due to sensor firmware, cannot accurately process the input from the crankshaft reluctor ring.

Basis for recall population determination: Supplier production information was used to identify the start and end date of affected crankshaft sensors which was then correlated with engine production and vehicle assembly information to determine the start date (05/18/2018) and the end date (06/08/2018) of affected vehicles.

Recall component difference to non-recall component: Recalled crankshaft sensors cannot accurately process the input from the crankshaft reluctor ring due to an updated sensor.

Production Dates : MAY 18, 2018 - JUN 08, 2018
VIN Range 1 : Begin : NR End : NR ☐ Not sequential

Vehicle 17 : 2018-2018 BMW 640i xDrive Gran Turismo
Vehicle Type : LIGHT VEHICLES
Body Style : 4-DOOR
Power Train : GAS
Descriptive Information : Approximately 32 vehicles may have been manufactured with a crankshaft sensor that, due to sensor firmware, cannot accurately process the input from the crankshaft reluctor ring.

Basis for recall population determination: Supplier production information was used to identify the start and end date of affected crankshaft sensors which was then correlated with engine production and vehicle assembly information to determine the start date (05/17/2018) and the end date (06/05/2018) of affected vehicles.

Recall component difference to non-recall component: Recalled crankshaft sensors cannot accurately process the input from the crankshaft reluctor ring due to an updated sensor.

Production Dates : MAY 17, 2018 - JUN 05, 2018
VIN Range 1 : Begin : NR End : NR ☐ Not sequential

Vehicle 18 : 2019-2019 MINI Clubman (Cooper, Cooper S, Cooper All4, Cooper S All4, JCW All4)
Vehicle Type : LIGHT VEHICLES
Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Approximately 112 vehicles may have been manufactured with a crankshaft sensor that, due to sensor firmware, cannot accurately process the input from the crankshaft reluctor ring.

Basis for recall population determination: Supplier production information was used to identify the start and end date of affected crankshaft sensors which was then correlated with engine production and vehicle assembly information to determine the start date (05/21/2018) and the end date (06/12/2018) of affected vehicles.

Recall component difference to non-recall component: Recalled crankshaft sensors cannot accurately process the input from the crankshaft reluctor ring due to an updated sensor.

Production Dates : MAY 21, 2018 - JUN 12, 2018

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

Vehicle 19 : 2019-2019 MINI Hardtop 2 Door (Cooper, Cooper S, JCW)

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Approximately 215 vehicles may have been manufactured with a crankshaft sensor that, due to sensor firmware, cannot accurately process the input from the crankshaft reluctor ring.

Basis for recall population determination: Supplier production information was used to identify the start and end date of affected crankshaft sensors which was then correlated with engine production and vehicle assembly information to determine the start date (05/22/2018) and the end date (06/12/2018) of affected vehicles.

Recall component difference to non-recall component: Recalled crankshaft sensors cannot accurately process the input from the crankshaft reluctor ring due to an updated sensor.

Production Dates : MAY 22, 2018 - JUN 12, 2018

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

Vehicle 20 : 2019-2019 MINI Convertible (Cooper, Cooper S, JCW)

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Approximately 311 vehicles may have been manufactured with a crankshaft sensor that, due to sensor firmware, cannot accurately process the input from the crankshaft reluctor ring.

Basis for recall population determination: Supplier production information was used to identify the start and end date of affected crankshaft sensors which was then correlated with engine production and vehicle assembly information to determine the start date (05/18/2018) and the end date (06/12/2018) of affected vehicles.

Recall component difference to non-recall component: Recalled crankshaft sensors cannot accurately process the input from the crankshaft reluctor ring due to an updated sensor.

Production Dates : MAY 18, 2018 - JUN 12, 2018

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

Vehicle 21 : 2018-2018 BMW 330e

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : Approximately 60 vehicles may have been manufactured with a crankshaft sensor that, due to sensor firmware, cannot accurately process the input from the crankshaft reluctor ring.

Basis for recall population determination: Supplier production information was used to identify the start and end date of affected crankshaft sensors which was then correlated with engine production and vehicle assembly information to determine the start date (05/16/2018) and the end date (06/07/2018) of affected vehicles.

Recall component difference to non-recall component: Recalled crankshaft sensors cannot accurately process the input from the crankshaft reluctor ring due to an updated sensor.

Production Dates : MAY 16, 2018 - JUN 07, 2018

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

Vehicle 22 : 2019-2019 MINI Countryman (Cooper SE All4)

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : HYBRID ELECTRIC

Descriptive Information : Approximately 6 vehicles may have been manufactured with a crankshaft sensor that, due to sensor firmware, cannot accurately process the input from the crankshaft reluctor ring.

Basis for recall population determination: Supplier production information was used to identify the start and end date of affected crankshaft sensors which was then correlated with engine production and vehicle assembly information to determine the start date (05/26/2018) and the end date (06/12/2018) of affected vehicles.

Recall component difference to non-recall component: Recalled crankshaft sensors cannot accurately process the input from the crankshaft reluctor ring due to an updated sensor.

Production Dates : MAY 26, 2018 - JUN 12, 2018

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

Description of Defect :

Description of the Defect :	This safety recall involves the crankshaft sensor which may have been equipped with firmware that will not allow the sensor to accurately process the input from the crankshaft reluctor ring.
FMVSS 1 :	NR
FMVSS 2 :	NR
Description of the Safety Risk :	If the crankshaft sensor cannot accurately process the input from the reluctor ring, then engine stalling could occur and increase the risk of a crash.
Description of the Cause :	NR
Identification of Any Warning that can Occur :	The driver may experience a rough running engine, and the vehicle may convert to failsafe mode. A warning lamp will be illuminated in the instrument cluster.

Supplier Identification :

Component Manufacturer

Name : AB Elektronik GmbH

Address : Feldmark 50
Werne FOREIGN STATES 59368

Country : Germany

Chronology :

Please refer to the attached Chronology.

Description of Remedy :

Description of Remedy Program :	The crankshaft sensor 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 :	Recalled Component: Crankshaft sensor, part number – 7806782 AI06
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 September 12, 2018. Notification to owners is planned to begin and end on November 1, 2018. .
Planned Dealer Notification Date :	SEP 12, 2018 - SEP 12, 2018
Planned Owner Notification Date :	NOV 01, 2018 - NOV 01, 2018

* NR - Not Reported