

Part 573 Safety Recall Report

19V-273

Manufacturer Name : BMW of North America, LLC**Submission Date :** APR 04, 2019**NHTSA Recall No. :** 19V-273**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 : 184,505

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2006-2006 BMW 5 Series Sedan (525i, 525xi, 530i, 530xi)

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Approximately 38,734 vehicles were equipped with a Positive Crankcase Ventilation (PCV) valve heater (blow-by-heater) in which irregularities in the manufacturing process could, over time, allow moisture to degrade plastic components and lead to overheating.

Basis for recall population determination: Continued field monitoring resulted in an expansion of 17V-683 to include Model Year 2006.

Recall component differentiation to non-recall component: The recall component does not have a heat stabilized plastic material which, when subject to moisture accumulation, could lead to the formulation of a conductive electrolyte.

Production Dates : FEB 04, 2005 - FEB 27, 2006

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2006-2006 BMW 3 Series Sedan (325i, 325xi, 330i, 330xi)

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Approximately 131,597 vehicles were equipped with a Positive Crankcase Ventilation (PCV) valve heater (blow-by-heater) in which irregularities in the manufacturing process could, over time, allow moisture to degrade plastic components and lead to overheating.

Basis for recall population determination: Continued field monitoring resulted in an expansion of 17V-683 to include Model Year 2006.

Recall component differentiation to non-recall component: The recall component does not have a heat stabilized plastic material which, when subject to moisture accumulation, could lead to the formulation of a conductive electrolyte.

Production Dates : FEB 01, 2005 - AUG 30, 2006

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 3 : 2006-2006 BMW 3 Series Sports Wagon (325xi)

Vehicle Type : LIGHT VEHICLES

Body Style : STATIONWAGON

Power Train : GAS

Descriptive Information : Approximately 2,050 vehicles were equipped with a Positive Crankcase Ventilation (PCV) valve heater (blow-by-heater) in which irregularities in the manufacturing process could, over time, allow moisture to degrade plastic components and lead to overheating.

Basis for recall population determination: Continued field monitoring resulted in an expansion of 17V-683 to include Model Year 2006.

Recall component differentiation to non-recall component: The recall component does not have a heat stabilized plastic material which, when subject to moisture accumulation, could lead to the formulation of a conductive electrolyte.

Production Dates : AUG 23, 2005 - AUG 30, 2006

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 4 : 2006-2006 BMW 5 Series Sports Wagon (530xi)

Vehicle Type : LIGHT VEHICLES

Body Style : STATIONWAGON

Power Train : GAS

Descriptive Information : Approximately 3,491 vehicles were equipped with a Positive Crankcase Ventilation (PCV) valve heater (blow-by-heater) in which irregularities in the manufacturing process could, over time, allow moisture to degrade plastic components and lead to overheating.

Basis for recall population determination: Continued field monitoring resulted in an expansion of 17V-683 to include Model Year 2006.

Recall component differentiation to non-recall component: The recall component does not have a heat stabilized plastic material which, when subject to moisture accumulation, could lead to the formulation of a conductive electrolyte.

Production Dates : APR 01, 2005 - FEB 25, 2006

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 5 : 2006-2006 BMW Z4 Roadster (Z4 3.0i, Z4 3.0si)

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Approximately 8,339 vehicles were equipped with a Positive Crankcase Ventilation (PCV) valve heater (blow-by-heater) in which irregularities in the manufacturing process could, over time, allow moisture to degrade plastic components and lead to overheating.

Basis for recall population determination: Continued field monitoring resulted in an expansion of 17V-683 to include Model Year 2006.

Recall component differentiation to non-recall component: The recall component does not have a heat stabilized plastic material which, when subject to moisture accumulation, could lead to the formulation of a conductive electrolyte.

Production Dates : APR 28, 2005 - SEP 29, 2006

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 6 : 2006-2006 BMW Z4 Coupe (Z4 3.0si)

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Approximately 294 vehicles were equipped with a Positive Crankcase Ventilation (PCV) valve heater (blow-by-heater) in which irregularities in the manufacturing process could, over time, allow moisture to degrade plastic components and lead to overheating.

Basis for recall population determination: Continued field monitoring resulted in an expansion of 17V-683 to include Model Year 2006.

Recall component differentiation to non-recall component: The recall component does not have a heat stabilized plastic material which, when subject to moisture accumulation, could lead to the formulation of a conductive electrolyte.

Production Dates : APR 18, 2006 - SEP 27, 2006

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : This recall involves the Positive Crankcase Ventilation (PCV) valve heater (blow-by-heater) which may not have been produced to specifications. Affected vehicles are equipped with a PCV valve that incorporates a heating element consisting of a copper tube, continuously supplied by electrical current, and a Positive Temperature Coefficient (PTC) element, known as the PCV valve heater (blow-by-heater). The electrical contacts at the copper tube, and the tube itself, are coated with a plastic material. Irregularities in the manufacturing process at the supplier could lead to cavities in the area of the electrical contacts, and near the PTC element at the copper tube, which could allow moisture to occur and could lead to a short circuit.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : The plastic coating could overheat and lead to smoldering. If this occurs, there is a risk that the heat generated could melt the plastic material surrounding the PCV valve heater, and increase the risk of a fire.

Description of the Cause : NR

Identification of Any Warning that can Occur : The illumination of the Malfunction Indicator Lamp (MIL) typically occurs. Smoke may be noticeable from the area near the engine compartment. Smoke, or a plastic burning odor, may be noticeable.

Supplier Identification :**Component Manufacturer**

Name : Mahle International GmbH

Address : Pragstrasse 54

Stuttgart FOREIGN STATES 70376

Country : Germany

Chronology :

Please refer to BMW's October 30, 2017, and October 28, 2018, Part 573 reports assigned NHTSA Recall ID 17V-683 involving Model Year 2007 – 2011 BMW vehicles.

Subsequent to the filing and implementation of 17V-683, the field continued to be monitored. During 2018, several field incidents were reported involving Model Year 2006 BMW 3 Series vehicles.

On March 15, 2019, BMW discussed this information with NHTSA.

In addition to the Model Year 2006 BMW 3 Series, an engineering review was conducted to examine the possibility for other Model Year 2006 models to be similarly affected, as the likelihood of the issue to occur on

these vehicles had been assessed to be very low.

Production records were reviewed to determine the number and production range of potentially affected vehicles.

On March 28, 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 PCV valve heater will be inspected and a new part will be installed. If necessary, additional components will be replaced as determined at the time of repair.

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. Owners who have replaced the PCV valve heater 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: PCV valve heater; p/n 7 561 408

Identify How/When Recall Condition was Corrected in Production : NR

Recall Schedule :

Description of Recall Schedule : Dealer notification is planned to begin and end on 05 Apr 2019.
Owner notification is planned to begin and end on 28 May 2019.

Planned Dealer Notification Date : APR 05, 2019 - APR 05, 2019

Planned Owner Notification Date : MAY 28, 2019 - MAY 28, 2019

* NR - Not Reported