

Part 573 Safety Recall Report

22V-119

Manufacturer Name : BMW of North America, LLC

Submission Date : MAR 02, 2022

NHTSA Recall No. : 22V-119

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 : 917,106

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2008-2013 BMW 1 Series Coupe (128i)

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Approximately 19,683 vehicles contain a Positive Crankcase Ventilation (PCV) valve heater (blow-by-heater) in which irregularities in the supplier production process could, over time, lead to overheating.

Basis for recall population determination: All vehicles from Start-of-Production to End-of-Production manufactured with a specific engine and PCV valve heater configuration.

Recall component difference to non-recall component: The remedy is currently being developed.

Production Dates : NOV 08, 2007 - OCT 04, 2013

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 2 : 2007-2013 BMW 3 Series Coupe (328i, 328xi, 328i xDrive)

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Approximately 64,581 vehicles contain a Positive Crankcase Ventilation (PCV) valve heater (blow-by-heater) in which irregularities in the supplier production process could, over time, lead to overheating.

Basis for recall population determination: All vehicles from Start-of-Production to End-of-Production manufactured with a specific engine and PCV valve heater configuration.

Recall component difference to non-recall component: The remedy is currently being developed.

Production Dates : MAY 10, 2006 - JUN 26, 2013

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 3 : 2007-2010 BMW X3 SAV (X3 3.0si, X3 xDrive30i)

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Approximately 63,509 vehicles contain a Positive Crankcase Ventilation (PCV) valve heater (blow-by-heater) in which irregularities in the supplier production process could, over time, lead to overheating.

Basis for recall population determination: All vehicles from Start-of-Production to End-of-Production manufactured with a specific engine and PCV valve heater configuration.

Recall component difference to non-recall component: The remedy is currently being developed.

Production Dates : APR 12, 2006 - AUG 24, 2010

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 4 : 2008-2013 BMW 1 Series Convertible (128i)

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Approximately 19,077 vehicles contain a Positive Crankcase Ventilation (PCV) valve heater (blow-by-heater) in which irregularities in the supplier production process could, over time, lead to overheating.

Basis for recall population determination: All vehicles from Start-of-Production to End-of-Production manufactured with a specific engine and PCV valve heater configuration.

Recall component difference to non-recall component: The remedy is currently being developed.

Production Dates : NOV 12, 2007 - OCT 09, 2013

VIN Range 1 : Begin :

NR

End :

NR

☐ Not sequential

Vehicle 5 : 2006-2011 BMW 3 Series Sedan (325i, 325xi, 328i, 328xi, 328i xDrive, 330i, 330xi)

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Approximately 439,371 vehicles contain a Positive Crankcase Ventilation (PCV) valve heater (blow-by-heater) in which irregularities in the supplier production process could, over time, lead to overheating.

Basis for recall population determination: All vehicles from Start-of-Production to End-of-Production manufactured with a specific engine and PCV valve heater configuration.

Recall component difference to non-recall component: The remedy is currently being developed.

Production Dates : FEB 01, 2005 - DEC 16, 2011

VIN Range 1 : Begin :

NR

End :

NR

☐ Not sequential

Vehicle 6 : 2006-2012 BMW 3 Series Wagon (328i, 328xi, 328i xDrive)

Vehicle Type : LIGHT VEHICLES

Body Style : STATIONWAGON

Power Train : GAS

Descriptive Information : Approximately 13,321 vehicles contain a Positive Crankcase Ventilation (PCV) valve heater (blow-by-heater) in which irregularities in the supplier production process could, over time, lead to overheating.

Basis for recall population determination: All vehicles from Start-of-Production to End-of-Production manufactured with a specific engine and PCV valve heater configuration.

Recall component difference to non-recall component: The remedy is currently being developed.

Production Dates : JUN 14, 2005 - MAY 29, 2012

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 7 : 2007-2013 BMW 3 Series Convertible (328i)

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Approximately 52,798 vehicles contain a Positive Crankcase Ventilation (PCV) valve heater (blow-by-heater) in which irregularities in the supplier production process could, over time, lead to overheating.

Basis for recall population determination: All vehicles from Start-of-Production to End-of-Production manufactured with a specific engine and PCV valve heater configuration.

Recall component difference to non-recall component: The remedy is currently being developed.

Production Dates : NOV 28, 2006 - OCT 01, 2013

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 8 : 2006-2010 BMW 5 Series Sedan (525i, 525xi, 528i, 528xi, 530i, 530xi)

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Approximately 152,916 vehicles contain a Positive Crankcase Ventilation (PCV) valve heater (blow-by-heater) in which irregularities in the supplier production process could, over time, lead to overheating.

Basis for recall population determination: All vehicles from Start-of-Production to End-of-Production manufactured with a specific engine and PCV valve heater configuration.

Recall component difference to non-recall component: The remedy is currently being developed.

Production Dates : JAN 28, 2005 - DEC 17, 2009

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 9 : 2006-2007 BMW 5 Series Wagon (530xi)

Vehicle Type : LIGHT VEHICLES

Body Style : STATIONWAGON

Power Train : GAS

Descriptive Information : Approximately 4,924 vehicles contain a Positive Crankcase Ventilation (PCV) valve heater (blow-by-heater) in which irregularities in the supplier production process could, over time, lead to overheating.

Basis for recall population determination: All vehicles from Start-of-Production to End-of-Production manufactured with a specific engine and PCV valve heater configuration.

Recall component difference to non-recall component: The remedy is currently being developed.

Production Dates : JAN 19, 2005 - FEB 22, 2007

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 10 : 2007-2010 BMW X5 SAV (X5 3.0si, X5 xDrive30i)

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Approximately 59,363 vehicles contain a Positive Crankcase Ventilation (PCV) valve heater (blow-by-heater) in which irregularities in the supplier production process could, over time, lead to overheating.

Basis for recall population determination: All vehicles from Start-of-Production to End-of-Production manufactured with a specific engine and PCV valve heater configuration.

Recall component difference to non-recall component: The remedy is currently being developed.

Production Dates : MAY 23, 2006 - MAR 18, 2010

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 11 : 2006-2008 BMW Z4 Coupe (Z4 3.0si)

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Approximately 1,962 vehicles contain a Positive Crankcase Ventilation (PCV) valve heater (blow-by-heater) in which irregularities in the supplier production process could, over time, lead to overheating.

Basis for recall population determination: All vehicles from Start-of-Production to End-of-Production manufactured with a specific engine and PCV valve heater configuration.

Recall component difference to non-recall component: The remedy is currently being developed.

Production Dates : APR 18, 2006 - AUG 11, 2008

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 12 : 2006-2011 BMW Z4 Roadster (Z4 3.0i, Z4 3.0si, Z4 sDrive30i)

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Approximately 25,601 vehicles contain a Positive Crankcase Ventilation (PCV) valve heater (blow-by-heater) in which irregularities in the supplier production process could, over time, lead to overheating.

Basis for recall population determination: All vehicles from Start-of-Production to End-of-Production manufactured with a specific engine and PCV valve heater configuration.

Recall component difference to non-recall component: The remedy is currently being developed.

Production Dates : APR 28, 2005 - AUG 24, 2011

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Description of Defect :

Description of the Defect : The Positive Crankcase Ventilation (PCV) valve heater (blow-by-heater) may not have been produced by the supplier to specifications. The PCV valve heater incorporates a heating element consisting of a copper tube, continuously supplied by electrical current, and a Positive Temperature Coefficient (PTC) element. Irregularities may have occurred in the supplier manufacturing process which could lead to a short circuit at this location.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : A short circuit could cause the PCV valve heater to overheat. If this occurs, this could 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. A plastic burning odor may also be noticeable.

Involved Components :

Component Name 1 : PCV Valve Heater

Component Description : PCV Valve Heater

Component Part Number : 7 561 408, 2 458 830

Supplier Identification :

Component Manufacturer

Name : Mahle International GmbH

Address : Pragstrasse 26-46
Stuttgart Foreign States 70376

Country : Germany

Chronology :

Please refer to BMW Part 573 reports assigned NHTSA Recall IDs 17V-683 and 19V-273 which involve Model Year 2007-2011 and Model Year 2006, vehicles respectively.

In early 2019, a field incident was reported involving a thermal event in the engine compartment. At the time, it appeared to be an isolated incident. In mid-2020, a similar report was received. By the end of 2020, three reports had been received. Each of these vehicles had received the previous recall remedy. Vehicle inspection findings were inconclusive.

In early 2021, three additional field incidents were reported. At that time, thoughts focused upon the possibility of a service repair issue. The field continued to be monitored, and by the end of 2021, two additional field incidents were reported.

In January 2022, the engineering investigation included a detailed parts collection and analysis. Recall parts from field vehicles, which had the remedy performed, were returned for testing and analyses. Similarly, recall parts from stock were retrieved for testing and analyses. Ultrasound, microscopy, and x-ray techniques were utilized to closely examine and compare the parts.

Supplier production and process records involving recall parts were reviewed, including the injection molding process, and the production rate ramp-up of recall parts in early 2018 at the implementation of 17V-683. By the end of February, it was determined that supplier production and process issues could cause unwanted production variation and, over time, lead to PCV valve heater damage in the field.

On March 2, 2022, BMW decided to conduct a voluntary recall for vehicles involved in 17V-683 and 19V-273 and implement a new remedy. Also, in an abundance of caution, BMW has decided to recall Model Year 2012-2013 vehicles which were manufactured with the same engine and PCV valve heater configuration.

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 remedy is currently being developed. Owners will be notified by First Class mail and instructed to take their vehicle to an authorized BMW dealer to have the remedy performed for free. Owners who have had this remedy performed 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; part number 7 561 408, 2 458 830

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 March 2, 2022. Notification to owners is planned to begin and end on April 25, 2022.

Planned Dealer Notification Date : MAR 02, 2022 - MAR 02, 2022

Planned Owner Notification Date : APR 25, 2022 - APR 25, 2022

* NR - Not Reported