**Part 573 Safety Recall Report**

**17V-683**

**Manufacturer Name:** BMW of North America, LLC  
**Submission Date:** OCT 30, 2017  
**NHTSA Recall No.:** 17V-683  
**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:** 740,561  
- **Estimated percentage with defect:** 1%

**Vehicle Information:**

**Vehicle 1:** 2008-2011 BMW 1 Series Coupe (128i)  
**Vehicle Type:** LIGHT VEHICLES  
**Body Style:** 2-DOOR  
**Power Train:** GAS  
**Descriptive Information:** Approximately 12,401 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:** Vehicle production information was assessed against field incident information in order to determine the potentially affected population.

**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:** NOV 08, 2007 - FEB 26, 2011

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

**Vehicle 2:** 2008-2011 BMW 1 Series Convertible (128i)  
**Vehicle Type:** LIGHT VEHICLES  
**Body Style:** 2-DOOR  
**Power Train:** GAS  
**Descriptive Information:** Approximately 13,021 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:** Vehicle production information was assessed against field incident information in order to determine the potentially

The information contained in this report was submitted pursuant to 49 CFR §573
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.

Vehicle 3: 2007-2011 BMW 3 Series Sedan (328i, 328xi, 328i xDrive)
Vehicle Type: LIGHT VEHICLES
Body Style: 4-DOOR
Power Train: GAS
Descriptive Information: Approximately 305,352 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: Vehicle production information was assessed against field incident information in order to determine the potentially affected population.

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: NOV 12, 2007 - FEB 26, 2011
VIN Range 1: Begin: NR  End: NR  Not sequential

Vehicle 4: 2007-2011 BMW 3 Series Wagon (328i, 328xi)
Vehicle Type: LIGHT VEHICLES
Body Style: STATIONWAGON
Power Train: GAS
Descriptive Information: Approximately 10,221 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: Vehicle production information was assessed against field incident information in order to determine the potentially affected population.

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.

<table>
<thead>
<tr>
<th>VIN Range 1 : Begin</th>
<th>End</th>
<th>Not sequential</th>
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<tbody>
<tr>
<td>Vehicle 5 : 2007-2011 BMW 3 Series Coupe (328i, 328xi, 328i xDrive)</td>
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<tr>
<td>Vehicle Type : LIGHT VEHICLES</td>
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<td>Body Style : 2-DOOR</td>
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<td>Power Train : GAS</td>
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<td>Descriptive Information : Approximately 54,544 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.</td>
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<td>Basis for recall population determination: Vehicle production information was assessed against field incident information in order to determine the potentially affected population.</td>
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<td>Production Dates : MAY 24, 2006 - AUG 30, 2011</td>
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<td>Vehicle 6 : 2007-2011 BMW 3 Series Convertible (328i)</td>
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<td>Vehicle Type : LIGHT VEHICLES</td>
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<td>Body Style : 2-DOOR</td>
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<td>Power Train : GAS</td>
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<td>Descriptive Information : Approximately 40,227 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.</td>
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<td>Basis for recall population determination: Vehicle production information was assessed against field incident information in order to determine the potentially affected population.</td>
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<td>Vehicle 7 : 2007-2011 BMW 5 Series Sedan (525i, 525xi, 528i, 530i, 530xi)</td>
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<td>Vehicle Type : LIGHT VEHICLES</td>
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<td>Body Style : 4-DOOR</td>
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<td>Power Train : GAS</td>
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<td>Descriptive Information</td>
<td>Approximately 134,406 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: Vehicle production information was assessed against field incident information in order to determine the potentially affected population. 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.</td>
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<td>Production Dates</td>
<td>FEB 16, 2006 - AUG 31, 2011</td>
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<td>VIN Range 1</td>
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<td>Vehicle 8</td>
<td>2007-2007 BMW 5 Series Wagon (530xi)</td>
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<td>Vehicle Type</td>
<td>LIGHT VEHICLES</td>
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<td>Body Style</td>
<td>STATIONWAGON</td>
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<td>Power Train</td>
<td>GAS</td>
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</tbody>
</table>

| Descriptive Information | Approximately 1,442 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: Vehicle production information was assessed against field incident information in order to determine the potentially affected population. 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 27, 2006 - FEB 22, 2007 |
| VIN Range 1 | Begin: NR | End: NR |
| Vehicle 9 | 2007-2011 BMW X3 SAV (X3 3.0si, X3 xDrive30i) |
| Vehicle Type | LIGHT VEHICLES |
| Body Style | SUV |
| Power Train | GAS |

The information contained in this report was submitted pursuant to 49 CFR §573
### Vehicle 10: 2007-2011 BMW X5 SAV (X5 xDrive30i)

**Vehicle Type:** LIGHT VEHICLES  
**Body Style:** SUV  
**Power Train:** GAS  

**Descriptive Information:** Approximately 68,770 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:** Vehicle production information was assessed against field incident information in order to determine the potentially affected population.

**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 20, 2006 - SEP 28, 2011  
- **VIN Range:** NR - NR  

### Vehicle 11: 2007-2011 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 18,364 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:** Vehicle production information was assessed against field incident information in order to determine the potentially affected population.

**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:** JUN 19, 2006 - AUG 24, 2011  
- **VIN Range:** NR - NR  

The information contained in this report was submitted pursuant to 49 CFR §573.
VIN Range 1: Begin: NR  End: NR  Not sequential

Vehicle 12: 2007-2008 BMW Z4 Coupe (Z4 3.0si)
Vehicle Type: LIGHT VEHICLES
Body Style: 2-DOOR
Power Train: GAS

Descriptive Information: Approximately 1,747 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: Vehicle production information was assessed against field incident information in order to determine the potentially affected population.

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 formation of a conductive electrolyte.


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:**

Due to the field size limitation re number of characters, please refer to the separate chronology page.

**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.

**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:** Dealers are planned to be notified on 30 Oct 2017. Owners are planned to be notified on 18 Dec 2017.

**Planned Dealer Notification Date:** OCT 30, 2017 - NR
**Planned Owner Notification Date:** DEC 18, 2017 - NR

* NR - Not Reported