

# BMW Group

12V-161  
(3 Pages)  
Amendment

April 5, 2012

Ms. Nancy Lummen Lewis  
Associate Administrator for Enforcement  
National Highway Traffic Safety Administration  
1200 New Jersey Ave., S.E.  
Washington, DC 20590

**Re: Recall Campaign – Amended Notice  
11V-521 Electric Auxiliary Water Pump  
2008-2012 BMW 5-Series, 5-Series Gran Turismo, 6-Series Convertible, 7-Series, X5 SAV, X6 SAV  
Models with 8- and 12-cylinder engines**

Dear Ms. Lewis:

This is an amendment to our October 20, 2011 report (11V-521), and is being sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act of 1966 and 49 CFR Part 573.

Pursuant to Section 573.6(c), we are amending our October 20, 2011 report to add the following information indicated in bold pertaining to additional vehicles:

1. Manufacturer: Bayerische Motoren Werke AG (BMW AG)  
Designated Agent: Thomas C. Baloga  
Vice President, Engineering-US  
BMW of North America, LLC  
Woodcliff Lake, New Jersey 07677

2. Make: BMW

Model Year / Model: Inclusive Dates of Manufacture:

**Additional Production**

2011 550i, 550i xDrive	Apr. 1, 2011 – May 11, 2011
2011 550i GT, 550i GT xDrive	Apr. 1, 2011 – May 5, 2011
2012 650i	Apr. 1, 2011 – May 11, 2011
2012 750i/Li, 750i/Li xDrive, 750iH/LiH, 760Li (including Alpina B7)	Apr. 1, 2011 – May 10, 2011
2012 X5 xDrive50i	Apr. 28, 2011 – Jun. 22, 2011
2012 X5 M	May 4, 2011 – Jul. 2, 2011
2012 X6 xDrive50i	Apr. 28, 2011 – Jun. 22, 2011
2012 X6 M	May 4, 2011 – Aug. 1, 2011

3. **The number of vehicles affected for the additional production is approximately 2,846 as follows:**

**Company**  
BMW of North America, LLC  
  
BMW Group Company

**Mailing address**  
PO Box 1227  
Westwood, NJ  
07675-1227

**Office address**  
300 Chestnut Ridge Road  
Woodcliff Lake, NJ  
07677-7731

**Telephone**  
(201) 307-4000

**Fax**  
(201) 571-5479

**Website**  
bmwusa.com



Model Approximate Number Affected

**Additional production**

<b>2011 5-Series</b>	<b>408</b>
<b>2011 5-Series Gran Turismo</b>	<b>102</b>
<b>2012 6-Series Convertible</b>	<b>527</b>
<b>2012 7-Series (including Alpina B7)</b>	<b>969</b>
<b>2012 X5 SAV (including M version)</b>	<b>617</b>
<b>2012 X6 SAV (including M version)</b>	<b>223</b>

4. The percentage of vehicles estimated to actually contain the condition is 100%.
5. The issue involves the electric auxiliary water pump on the models identified above that are equipped with 8- and 12--cylinder engines. The auxiliary pump is controlled electronically by an engine control unit. After switching off the engine, the electric auxiliary water pump conducts heat away from the turbocharger.

**It was discovered that for the additional production, there was a manufacturing process deviation at the supplier. For this limited production run of pumps, this deviation could result in cracks in the pump housing. If this were to occur, then coolant could enter and contact the pump's circuit board.**

Under these conditions, this can lead to a failure of the water pump. In some cases, the circuit board can overheat. In an extreme case, overheating of the circuit board can lead to smoldering of the water pump. If smoldering occurs, it cannot be excluded that this may also lead to an engine compartment or vehicle fire.

The name, business address, telephone number, and contact person of the supplier, and country of origin of the component, is:

Gerd Zimutta  
Legal Department  
Pierburg Pump Technology GmbH  
Alfred-Pierburg-Str. 1  
41460 Neuss  
Tel. +49 2131 5202037  
Fax. +49 2131 5202166  
Email: [Gerd.Zimutta@de.kspg.com](mailto:Gerd.Zimutta@de.kspg.com)

Country of Origin – Germany

6. **In February 2012, BMW received 8 reports of electric auxiliary water pump failures from different markets on BMW Group vehicles produced in April 2011 (outside the initial recall production range of affected vehicles). Initial analyses showed that all pump housings contained cracks in the same area.**

**Further analysis and investigation revealed a specific machine process error at the sub-supplier that manufactures the water pump housing. This specific pump housing production lot could be allocated to the corresponding vehicle production from April 1 to August 1, 2011. Additional analyses showed that the cracks could lead to the same effects as in the vehicles already recalled. There were a total of 6 additional complaints of pump failures on BMW models in the US as of March 25, 2012.**

**On March 29, 2012, BMW decided to expand the scope of the recall.**

**BMW is continuing to analyze this issue in order to determine if there are any other root causes that could lead to a failure of the auxiliary pump. Therefore, our investigation is continuing.**

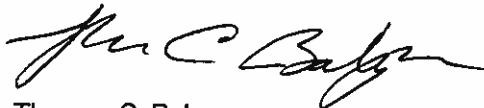
BMW has not received any reports, nor is BMW otherwise aware, of any accidents or injuries related to this issue.

7. Not applicable.
8. BMW will conduct a recall campaign for the additional production to remedy the affected vehicles. The electric auxiliary water pump will be replaced.

**BMW expects to begin and complete dealer and owner notification in April.**

9. Not applicable.
10. A copy of the Service Bulletin will be submitted when available.
11. A draft copy of the owner notification letter is attached.
12. Not applicable.

Sincerely,



Thomas C. Baloga  
Vice President, Engineering-US

Attachment