



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-522 Electric Auxiliary Water Pump
2010-11 Rolls-Royce Ghost**

Dear Ms. Lewis:

This is an amendment to our October 20, 2011 report (11V-522), 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: Rolls-Royce Motor Cars, Ltd.
Designated Agent: Thomas C. Baloga
Vice President, Engineering-US
BMW of North America, LLC
Woodcliff Lake, New Jersey 07677
2. Make: Rolls-Royce
Model Year / Model Inclusive dates of manufacture
Additional Production
2011 / Ghost Apr. 7, 2011 – Jun. 2, 2011
3. **The number of vehicles affected is approximately 69.**
4. The percentage of vehicles estimated to actually contain the condition is 100%.
5. The issue involves the electric auxiliary water pump. 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.

Rolls-Royce Motor Cars

Rolls-Royce Motor Cars NA, LLC
Mailing Address: P.O. 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
www.rolls-roycemotorcars.com
A BMW Group Company



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

Country of Origin – Germany

6. **In February 2012, BMW Group 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 7 to June 2, 2011. Additional analyses showed that the cracks could lead to the same effects as in the vehicles already recalled. There were no additional complaints of pump failures on Rolls-Royce models in the US as of March 25, 2012.

On March 29, 2012, Rolls-Royce decided to expand the scope of the recall.

Rolls-Royce 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.

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

7. Not applicable.
8. Rolls-Royce will conduct a recall campaign to remedy the affected vehicles. The electric auxiliary water pump will be replaced.

Rolls-Royce 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,

A handwritten signature in black ink, appearing to read "Tom C. Baloga", written in a cursive style.

Thomas C. Baloga
Vice President, Engineering-US

Attachment