

24V-xyz
Model Year 2012-2018
BMW Group Vehicles
Water Pump Connector
Chronology
13 Aug 2024

On March 19, 2024, BMW AG was contacted by the Korean Ministry of Land, Infrastructure and Transport (MoLIT) regarding an incident involving a thermal event. An engineering investigation was initiated. A preliminary review of field information noted one incident that had occurred in January in the US market.

In April, a worldwide parts collection program was initiated to collect and analyze electric water pumps from field vehicles that had, and had not, experienced a thermal event. One additional field incident in the US market became known.

Between April and May, various activities were performed including laboratory analyses of field parts which had experienced a thermal event, fault tree analyses, and an in-depth review of field data. Tests were performed in an attempt to reproduce the thermal event and identify a root cause.

The worldwide parts collection program was updated to include not only the water pump, but also the associated electric plug connector. Lab tests continued to be performed.

In July, discussions were held with the suppliers of the water pump and the plug connector to analyze possible root causes. Another field incident in the US became known.

Additional laboratory analysis suggested that, in certain rare vehicle operation conditions, the sealing of the electric plug connector could be compromised through blow-by fluid dripping from the intake air hose. One additional incident in the US market became known, was analyzed, and confirmed a hypothesis involving the blow-by fluid.

Vehicle assembly information and supplier production records were reviewed to determine the number and production dates of potentially affected vehicles.

On August 6, 2024, in an abundance of caution, BMW decided to conduct a voluntary safety recall.

As of August 2024, BMW is aware of approximately 18 customer complaints, concerns, and/or field instances, in the US market, that relate, or may relate, to the issue identified in this report.

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