

Part 573 Safety Recall Report

23V-034

Manufacturer Name : Bentley Motors, Inc.**Submission Date :** MAR 17, 2023**NHTSA Recall No. :** 23V-034**Manufacturer Recall No. :** RE23/02 (RC67)**Manufacturer Information :**

Manufacturer Name : Bentley Motors, Inc.

Address : 2200 Ferdinand Porsche Drive

Herndon VA 20171

Company phone : 1-800-777-6923

Population :

Number of potentially involved : 650

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2020-2020 Bentley Continental GT

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Affected Bentley Continental GT and GT Convertible vehicles, fitted with either a W12 or V8 engine, no Park Heater option fitted and have utilised a specific water pump (059.121.012.B). Affected vehicles have been identified using Production records. Series vehicles have been fitted with an improved pump (06D.121.601), containing a Pressure Compensation Seal since July 2019. There are 383 Continental GT vehicles affected

Production Dates : JUN 20, 2019 - JUL 10, 2020

VIN Range 1 : Begin : SCBCG2ZG9LC074608 End : SCBCG2ZG7LC075708 Not sequential

Vehicle 2 : 2020-2020 Bentley Continental GTC

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Affected Bentley Continental GT and GT Convertible vehicles, fitted with either a W12 or V8 engine, no Park Heater option fitted and have utilized a specific water pump (059.121.012.B). Affected vehicles have been identified using Production records. Series vehicles have been fitted with an improved pump (06D.121.601), containing a Pressure Compensation Seal since July 2019. There are 267 Continental GTC vehicles affected

Production Dates : JUN 20, 2019 - NOV 13, 2019

VIN Range 1 : Begin : SCBDB4ZG8LC074971 End : SCBDG4ZG9LC075709 Not sequential

Description of Defect :

Description of the Defect : On the affected vehicles, liquid can permeate through the pump housing onto the electrical circuit board and connector.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : This could cause a short circuit and, in some instances, thermal damage to the external coolant pump. In rare circumstances, the thermal damage to the harness could progress if left unnoticed and result in vehicle fire.

Description of the Cause : A vacuum can be created within the electrical side of the water pump. As a result, liquid from the coolant system can permeate the polyamide (nylon) housing of the water pump. Liquid on the electrical connectors can cause electrochemical corrosion to occur, which over time could cause electrical failure of the pump.

Identification of Any Warning that can Occur : On affected vehicles, customers may notice an issue with the Climate Control system or reduced performance when using the Residual Heat function (this allows the vehicle to be heated after the ignition has been switched off, using the remaining heat in a warm engine). On vehicles fitted with a W12 engine, an Engine Management Light could also illuminate.

Involved Components :

Component Name 1 : Auxiliary Coolant Pump

Component Description : External coolant pump provides engine coolant flow for the climate control system.

Component Part Number : 059.121.012.B

Supplier Identification :**Component Manufacturer**

Name : Buehler Motor GmbH

Address : Anne-Frank-Straße 33-35

Nürnberg

Foreign States 90459

Country : Germany

Chronology :

Dec 6th 2022: Porsche informed Bentley of their field situation.

Dec 22 - Jan 23: Investigation carried out to understand technical similarities, carry out in-depth field analysis and prepare for field decision.

Jan 18th 2023 PSC decision: No Resolution (additional information required).

Jan 20th 2023 PSC decision: Recall (aligned with Porsche but potential field solution to be investigated).

Description of Remedy :

Description of Remedy Program : Bentley will replace the problematic water pump with a new, improved water pump that is fitted with a pressure compensation seal. The condition of the pump's electrical harness connector will also be assessed and replaced if any significant signs of corrosion or thermal deformation are evident. The rework will take under one hour to complete and will be carried out free of charge. Bentley will offer a reimbursement plan under this recall.

How Remedy Component Differs from Recalled Component : The recalled water pump (059.121.012.B) supplied by Buehler does not contain a pressure compensation seal. The remedy water pump (971.121.601.A) supplied by Pierburg does contain a pressure compensation seal which prevents liquid build up in the electrical side of the pump..

Identify How/When Recall Condition was Corrected in Production : An improved water pump (from supplier Pierburg) was introduced into Manufacturing in July 2019 (from VIN LC075710 onwards). This improved water pump is fitted with a Pressure Compensation Seal to prevent liquid build up in the electrical side of the pump.

Recall Schedule :

Description of Recall Schedule : Dealer anticipated 03/27/2023 Customer anticipated 03/27/2023

Planned Dealer Notification Date : MAR 27, 2023 - MAR 27, 2023

Planned Owner Notification Date : MAR 27, 2023 - MAR 27, 2023

* NR - Not Reported