

Technical product information

Topic	New Continental GT/GTC - Additional Cooling Pump - Diagnostic Trouble Code
Market area	Bentley: worldwide (2WBE)
Brand	Bentley
Transaction No.	2058340/1
Level	EH
Status	Released for publishing
Release date	11-Feb-2020

New customer code

Object of complaint	Complaint type	Position
information, navigation, communication, entertainment -> symbolic fault indicators -> emission control system fault indicator	functionality -> activates	
information, navigation, communication, entertainment -> symbolic fault indicators -> emission control fault indicator	functionality -> activates	

New workshop code

Object of complaint	Complaint type	Position
vehicle service -> IT systems -> SVM (software version management)	control units, services -> error message	

Vehicle data

New Continental GT & GTC

Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
3S3*	2018	E		*	*	*
3S3*	2019	E		*	*	*
3S4*	2019	E		*	*	*

Documents

Document name
master.xml



Customer statement / workshop findings

Malfunction Indicator Lamp (MIL) illuminated on the Driver Instrument Panel (DIP).

Faultcode "P26F500: Coolant pump "C" control circuit low" stored within the Engine Control Unit (ECU).

Technical background

Note: Applicable only to vehicles without Park Heater.

It is possible for the "Additional Coolant Pump" to corrode internally resulting in an electrical short circuit, MIL illumination and a fault code stored within the ECU.

Production change

Improved "Additional Coolant Pump" from a different manufacturer introduced 15/07/2019.

Measure

Vehicles with a build date earlier than 15/07/2019 that have fault code "P26F500: Coolant pump "C" control circuit low" stored within the ECU require the "Additional Coolant Pump" to be exchanged for the new series production part - 06D.121.601.

The "Additional Coolant Pump" must be replaced in conjunction with a new design mounting bracket, see "Parts information" for details.

The "Additional Coolant Pump" is located at the rear of the right hand front wheel arch – figure 1.

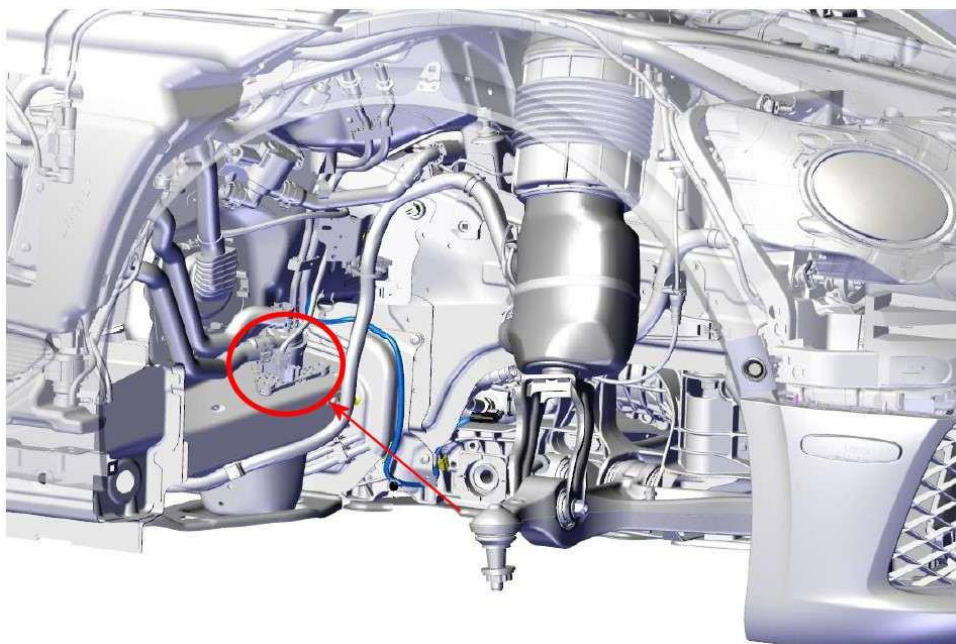


Figure 1

Note: Before commencing work on and around the engine, ensure that it has cooled sufficiently, failure to do so may cause injury to personnel.

Suitably blank any disconnected electrical connectors, electrical connections and pipework to prevent ingress of dirt and moisture.

- Remove the right hand front wheel arch liner, refer to *Repair Group 66 Exterior equipment / Undersheets and undertrays / Front wheel arch liners – To remove and fit*.
- Drain the cooling system, refer to *Repair Group 19 – Engine cooling / 6.0L W12 TSI / Cooling system – to drain and fill*.
- Remove the coolant hose clamps and detach the coolant hoses from the "Additional Coolant Pump".
- Disconnect the harness connector from the "Additional Coolant Pump", visually check the connector, if the terminals are contaminated with coolant attempt to clean them using methylated spirit and a none metallic, soft bristle brush. Once the coolant residue has been removed blow dry the connector with dry compressed air from a none oil fed air- line. If the terminals are corroded and cannot be satisfactorily cleaned they should be replaced.
- Remove the two fixings securing the "Additional Coolant Pump" – figure 2.

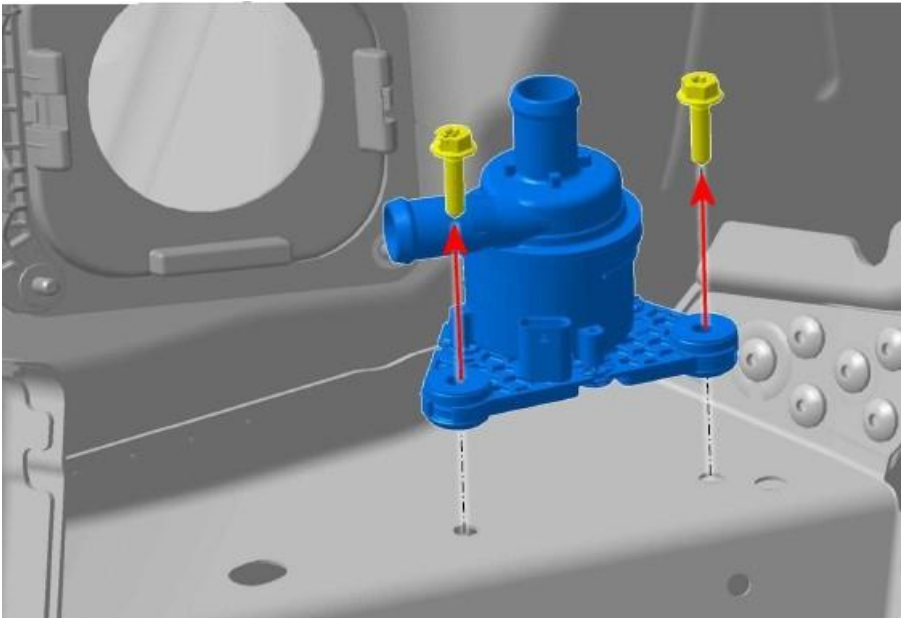


Figure 2

- Remove the mounting bracket from the “Additional Coolant Pump”, retain the three fixings *N.106.564.02*, discard the “Additional Coolant Pump” and bracket.
- Fit the new bracket - 971.819.595F - to the new “Additional Coolant Pump” - 06D.121.601 - using the three original fixings – *N.106.564.02* “Oval head panel screw” (2.5 Nm) – figure 3.

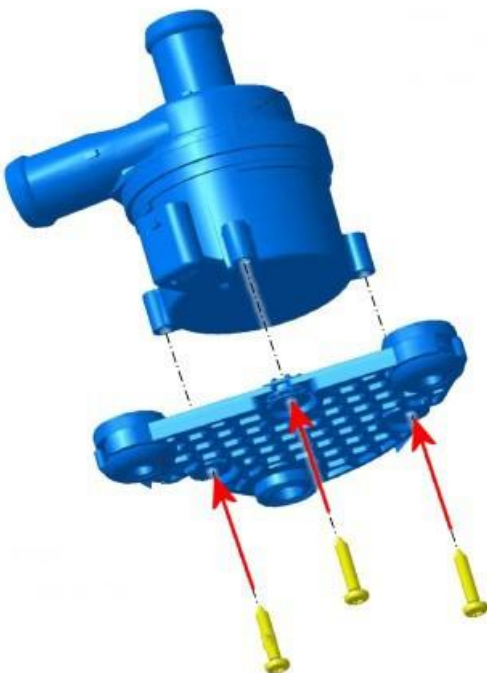


Figure 3

- Secure the “Additional Coolant Pump” using the original fixings – *N.911.087.01* “Hexagon collared bolt with multi point socket” (10 Nm).

Installation is the reverse of removal procedure, noting the following:-

- Ensure all fixings are torque tightened.
- Refill and bleed the coolant system refer to *Repair Group 19 – Engine cooling / 6.0L W12 TSI / Cooling system – to drain and fill..*

Warranty accounting instructions

Service ID: 1947

Damage Code: 0040

To replace additional coolant pump 19 47 19 02 – 160TU

To replace three terminals 97 09 41 53 – 50TU

Parts information

▪ Always use Electronic Parts Catalogue (ETKA) for latest part information.

Part Number	Description	Quantity
06D.121.601	Additional Coolant Pump	1 off
971.819.595.F	Bracket for Additional Coolant Pump	1 off
N.106.564.02	Oval head panel screw	3 off - Use original parts
N.911.087.01	Hexagon collared bolt with multi point socket	2 off – Use original parts
000 979 034 (EC)	Repair wire (2 x Terminals)	As required – Source locally