

Technical product information

Topic	Fuel tank internal fuel pump replacement - W12 TSI
Market area	Australia E04 Bentley rest Asia and Australia (6E04),China 796 VW Import Comp. Ltd (Vico), Beijing (6796),Germany E02 Bentley rest Europe (6E02),Japan E03 Bentley Japan (6E03),Korea, (South) E08 Bentley South Korea (6E08),United Arab Emirates E06 Bentley Middle East and Africa (6E06),United Kingdom E01 Bentley UK (6E01),United States E05 Bentley USA and rest America (6E05)
Brand	Bentley
Transaction No.	2055235/4
Level	EH
Status	Approval
Release date	

New customer code

Object of complaint	Complaint type	Position
engine -> engine operation	functionality	
engine -> fuel supply -> fuel	component / consumables -> wrong	
engine -> operation, engine control	functionality	
engine -> fuel supply	high-volume parts	

Vehicle data

Bentayga

Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
4V14A9	2017	E		*	*	*
4V14A9	2018	E		*	*	*
4V14A9	2019	E		*	*	*

Cha sis numbers

Manufacturer	Filler	Type	Filler	MY	Factory	From	To	Prod from	Prod to
SJA	*	*	*	*	C	000001	027000		

Documents

Document name
master.xml

Customer statement / workshop findings

Prior to replacing the fuel delivery module or fuel pump control units please refer to the information within this TPI

This TPI is applicable for W12 Bentayga TSI engine variants only

Technical background

The twin fuel pumps which are part of the fuel delivery module (located on the right hand side of the fuel tank as Figure 1) have changed to an improved Diamond Like Coated (DLC) fuel pump

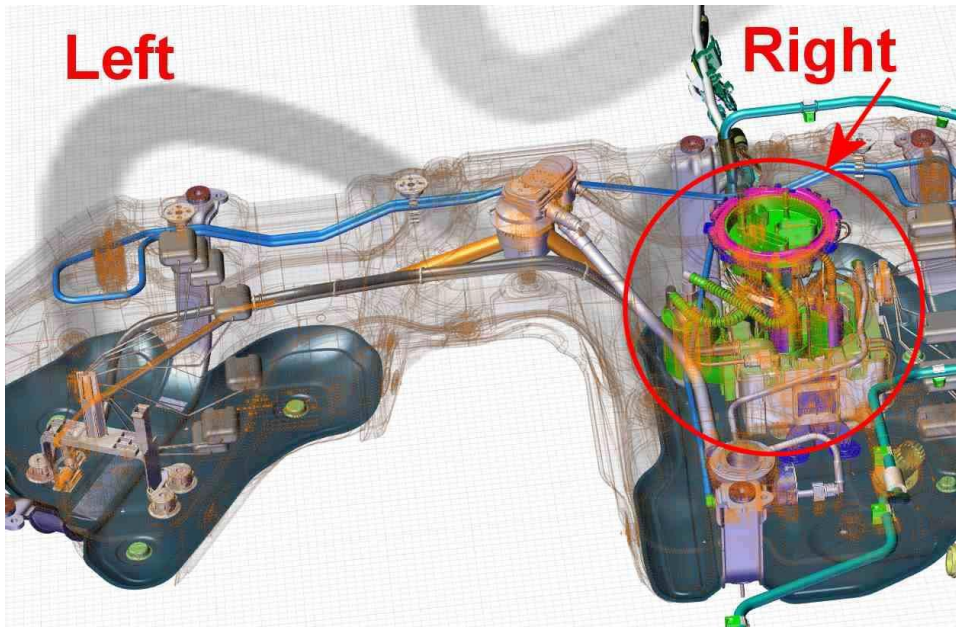


Figure 1

In the event the incorrect configuration of the fuel delivery module and control units are fitted the retailer/customer can experience a low fuel pressure too low DTC

OR

low fuel pressure too high DTC depending on the incorrect configuration.

Production change

All W12 VIN's from SJA AF1ZV9KC027000 have DLC pumps fitted with the part numbers of 36A 919 087H or 36A 919 087J (depending on auxiliary heater specification) in conjunction with fuel pump control units 4M0 906 093K



The DLC pumps are compatible and can be fitted to vehicles up to VIN SJA AF1ZV9KC027000 HOWEVER you must ensure the correct specification fuel pump control units are fitted in conjunction with the DLC fuel pump assembly

Measure

NOTE: Prior to ordering/replacing the fuel delivery module and/or control units, the retailer should refer to the vehicles Repair history to check/confirm the part numbers of any previously fitted fuel delivery module and control units, should the fuel pump assembly and control units have the following part numbers:

Fuel delivery module with bypass tube (Figure 2)

36A 919 087F - Fuel pump assembly without auxiliary heater

36A 919 087G – Fuel pump assembly with auxiliary heater

Fuel pump control units

36A 906 093B – Master

36A 906 093C - Slave

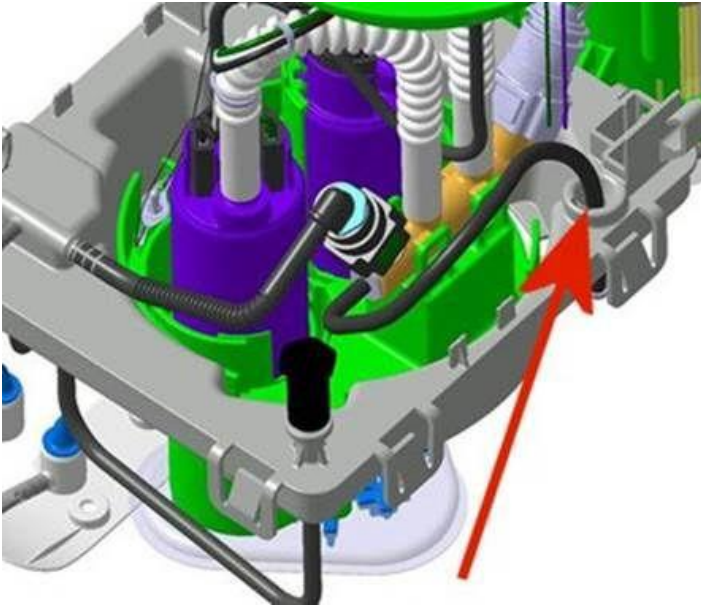


Figure 2

All vehicles - Not fitted with a bypass tube

Standard fuel pump control units with the part number - 4M0 906 093K

MUST be fitted in conjunction with

DLC fuel pumps with the part numbers of 36A 919 087H without auxiliary heater

OR

36A 919 087J with auxiliary heater

Should the vehicle require a fuel delivery module the DLC type pump assembly will be supplied 36A 919 087H or 36A 919 087J. Both fuel pump control units 4M0 906 093K should also be replaced to ensure correct configuration/compatibility

Should a fuel pump control unit require replacing the DLC fuel pump will also require replacement as control units with the part number 4M0 906 093K will only be available, In this scenario (due to potential mismatch) both control units should be replaced

Warranty accounting instructions

Warranty type -110 or 910

Damage Service Number 20 66

Damage Code 00 10

5 seat

Time to replace the Fuel delivery module

Labour Operation Code 20 66 19 50 - 50 TU

Time to replace the fuel pump control unit (J538)

Labour Operation Code 20 70 19 50 – 10 TU

Replace Fuel Pump Electronic Control Unit (J835)

Labour Operation Code 20 70 19 05 - 40 TU

Remove and refit the rear seats

Labour Operation Code 72 48 20 05 Time - 100 TU

Remove and refit the rear seat subframe

Labour Operation Code 72 55 19 50 Time - 30 TU

Time to remove and refit the seat sill panel (left and right)

Labour Operation Code 68 05 20 00 - 40 TU

Time to remove and refit the boot side trim panel (left and right)

Labour Operation Code 70 03 20 00 - 70 TU

Self Diagnosis

Labour Operation Code 01 50 00 00

Time taken from diagnostic log (Maximum 10TU)

Remove and refit the luggage compartment trim

70 31 19 00 - 10TU

Remove and refit the DC/DC converter (48v system vehicles only)

27 05 19 50 - 10 TU

4 seat

Time to replace the Fuel delivery module

Labour Operation Code 20 66 19 50 - 50 TU

Time to replace the fuel pump control unit (J538)

Labour Operation Code 20 70 19 50 – 10 TU

Replace Fuel Pump Electronic Control Unit (J835)

Labour Operation Code 20 70 19 05 - 40 TU

Remove and refit the rear seats

Labour Operation Code 68 16 19 01 - 190 TU

Time to remove and refit the seat sill panel (left and right)

Labour Operation Code 68 05 20 00

Time - 40 TU

Time to remove and refit the boot side trim panel (left and right)

Labour Operation Code 70 03 20 00 - 70 TU

Self Diagnosis

Labour Operation Code 01 50 00 00

Time taken from diagnostic log (Maximum 10TU)

Time to remove and refit the luggage compartment trim

70 31 19 00 - 10TU

Time to remove and refit the DC/DC converter (48v system vehicles only)

27 05 19 50 - 10 TU

Parts information

The part numbers listed within this TPI are correct at the time of publication, always refer to the ETKA parts catalogue