

Technical Service Bulletin

Topic	W12 Fuel filter - Harness swap
Market area	Bentley: worldwide (2WBE),Hongkong-Macau (5HK)
Brand	Bentley
Transaction No.	2052383/1
Level	EH
Status	Released for publishing
Release date	Oct 29, 2018

New customer code

Object of complaint	Complaint type	Position
engine -> fuel supply	connections	
engine -> fuel supply	component, automotive fluids	

New workshop code

Object of complaint	Complaint type	Position
engine -> fuel supply -> low pressure fuel pump, tank side	component, automotive fluids -> incorrect	
engine -> fuel supply -> fuel filter	component, automotive fluids -> incorrect	

Vehicle data

Bentayga

Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
4V1*	2017	E		*	*	*
4V1*	2018	E		*	*	*
4V1*	2019	E		*	*	*

Documents

Document name
master.xml



Condition

Workshop findings:

When replacing the in-tank fuel filter the harness connector on the new fuel filter may be different to that of the old fuel filter

Technical Background

Due to different version connectors on the fuel filter/tank pump assembly a swap of the harness on the fuel filter may be required when replacing the fuel filter. **Figure 1** shows Version 1 and Version 2 of the harness connector on the fuel pump



Figure 1

Production Solution

All in tank fuel filters and in tank fuel pumps have Version 2 harness connectors fitted in production from KW.11/2018

Service

If the harness connectors do not marry up when replacing the fuel filter, swap over the complete harness from the **old** fuel filter to the **new** fuel filter to match up with the connector on the fuel pump

Measure:

Remove the harness from the **old** fuel filter as follows;



Figure 2 - Old fuel filter harness (Version 1)

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Routing of harnesses may vary. The above images shown are examples only

1. Remove both cable ties -1-
2. Carefully remove star shaped clip -2- using a small screwdriver, take care not to snap off the teeth of the clip
3. Unclip harness from retaining bracket -3-

4. Put the harness to one side

If on removal the teeth of star shaped clip have bent outwards, carefully push back to a more central position using a small screwdriver

5. Repeat *Steps 1-4* on the **new** fuel filter

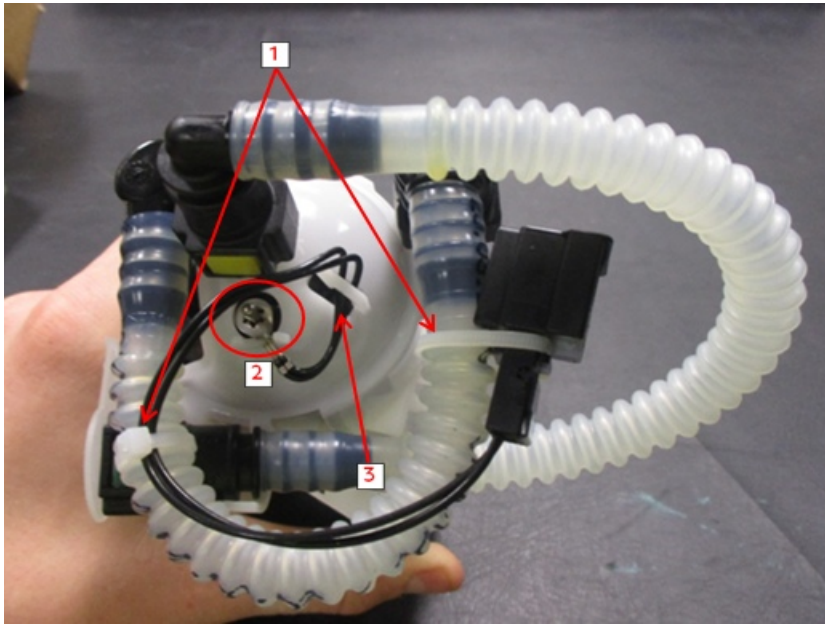


Figure 3 - New fuel filter harness (Version 2)

Fit the **Version 1** harness to the **new** fuel filter as follows;

6. Fit star shaped clip -2- to the earth pin on fuel filter, ensure good contact is made. If necessary adjust the teeth on the star shaped clip inwards

7. Using new cable ties -1- route and attach the harness to the new fuel filter. The harness must be routed and secured in the same locations as the original fuel filter fitted to the vehicle. Ensure the harness is located in retaining bracket -3-

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Routing of harnesses may vary. The above images are shown as examples only