

 Connection offline

## Field campaign

<b>Topic</b>	V8 engine coolant circulation - de-gas circuit – heater performance - one way valve orientation over check (SC13/05)
<b>Market area</b>	Worldwide Bentley (1WBE)
<b>Brand</b>	Bentley
<b>Transaction No.</b>	2032308/1
<b>Campaign number</b>	E781
<b>Note</b>	
<b>Type</b>	
<b>US code</b>	

## Vehicle data

### Continental V8

#### Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
3932*	2012	E		*	*	*
3932*	2013	E		*	*	*
3942*	2012	E		*	*	*
3942*	2013	E		*	*	*

#### Chassis numbers

Manufacturer	Filler	Type	Filler	MY	Factory	From	To	Prod from	Prod to
SCB	***	**	*	C	C				
SCB	***	**	*	D	C				

## Documents

Document name
master.xml



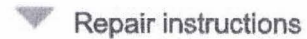
Connection offline

E781

Transaction No.: 2032308/1

V8 engine coolant circulation - de-gas circuit – heater performance - one way valve orientation over check (SC13/05)

## Notes



Repair instructions

### Technical background

Two one way valves integrated into the hose assembly, 3W0.121.632.C, that make up part of the engine cooling de-gas circuit may have been incorrectly orientated. This can reduce coolant flow in the heater circuit reducing cabin heating performance. As a precautionary measure the orientation of these two valves has to be checked

### Remedy

On all applicable vehicles the orientation of both one way valves has to be established and if either is found to be incorrect that specific hose replaced

### Customer notification

Customers do not need to be informed directly of this campaign. Please ensure that all affected vehicles are checked and repaired during a service visit. You should also inform your new and used car sales departments so that the vehicles affected can be checked and, if necessary, repaired immediately (and not just before sale)

### Warranty accounting instructions

#### Time for check - no hose change

Warranty Type	910 or 710
Labour Operation Code	19 62 01 20
Damage Service Number	E781
Damage Code	00 66
Criteria ID	01
Time	30 TU

#### Time for check - change hose A or B

Warranty Type	910 or 710
Labour Operation Code	19 62 55 20
Damage Service Number	E781
Damage Code	00 66
Criteria ID	01
Time	40 TU

#### Plus Road Test

Labour Operation Code	19 62 55 99
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Time 50TU

**Time for check - change hose A and B**

Warranty Type 910 or 710

Labour Operation Code 19 62 56 20

Damage Service Number E781

Damage Code 00 66

Criteria ID 01

Time 50 TU

**Plus Road Test**

Labour Operation Code 19 62 55 99

Time 50TU

**Genuine parts**

The required replacement parts should be ordered from Bentley Motors Limited Crewe or through your regional Bentley parts distribution centre

**Parts supply**

Part number	Description	Quantity
3W0.121.632.C	Breather line hose assembly	1

**Parts despatch control**

**Repair instructions**

 Notes

**Technical background**

Two one way valves integrated into the hose assembly, 3W0.121.632.C, that make up part of the engine cooling de-gas circuit may have been incorrectly orientated. This can reduce coolant flow in the heater circuit reducing cabin heating performance. As a precautionary measure the orientation of these two valves has to be checked

**Check**

If the vehicle is not already listed as repaired in the "Repair history" (in Elsa pro), check for the campaign identification mark, yellow paint mark located on the steel pipe (Figure 8), should neither be evident carry out the required work in accordance with these instructions

**Genuine parts**

The required replacement parts should be ordered from Bentley Motors Limited Crewe or through your



regional Bentley parts distribution centre

## Work

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

1. Slowly remove the expansion tank cap to equalise system pressure

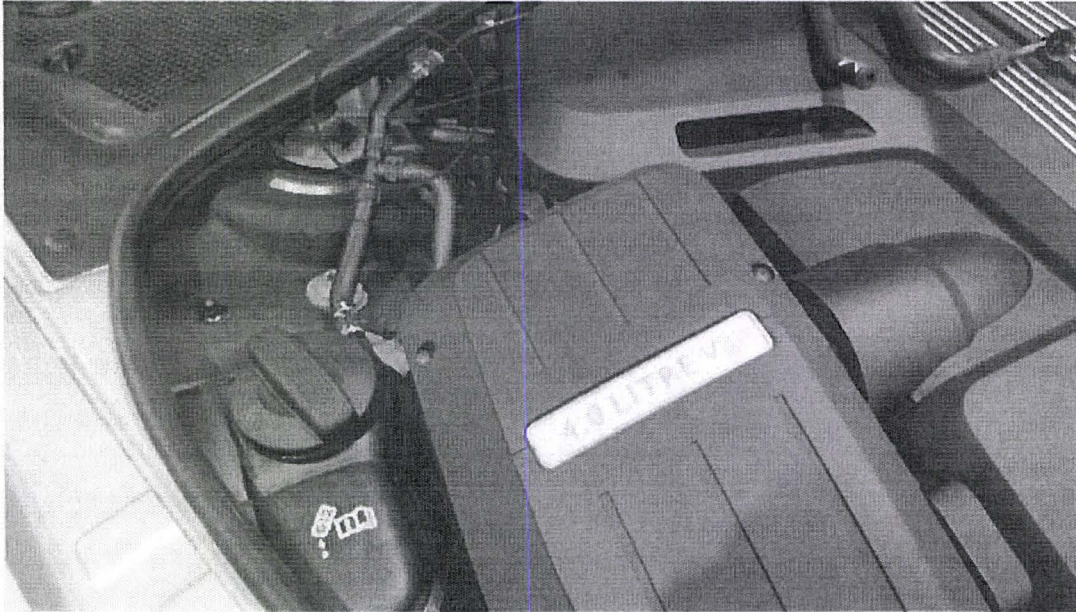


Figure 1

2. Referencing figure 1 locate coolant hose (A) containing the one way valve

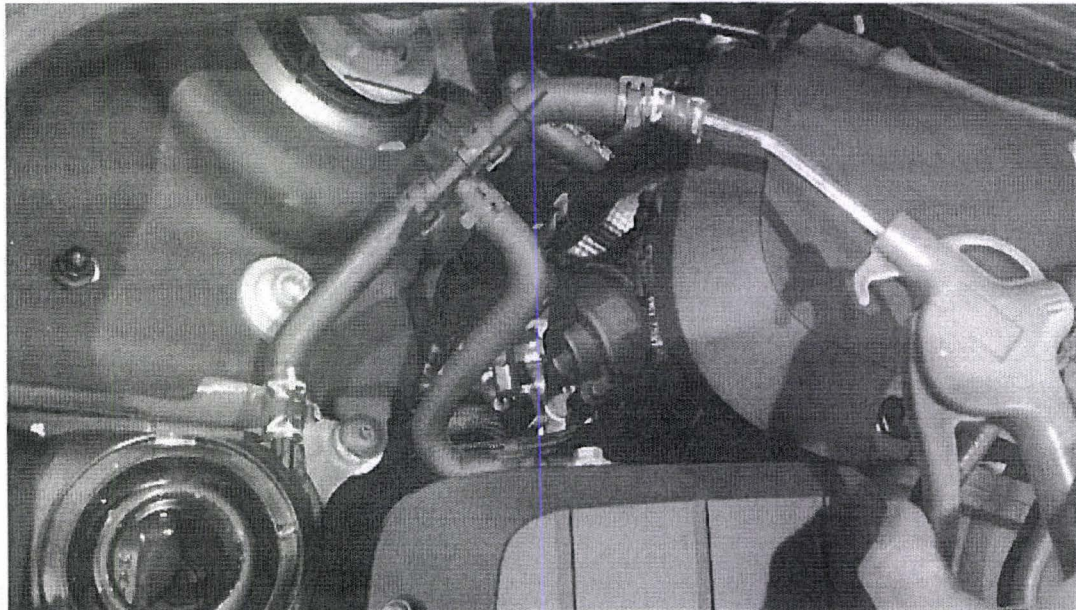


Figure 2

3. Disconnect coolant hose (A) from the steel pipe



4. To check the orientation of the one way valve ensure the expansion tank cap is removed then apply light air pressure to hose (A). If the air flows freely in the direction of the green arrow, towards the expansion tank, then the one way valve is correctly orientated in this hose. If the applied air pressure is restricted and does not flow then the valve is not orientated correctly and a replacement hose must be fitted

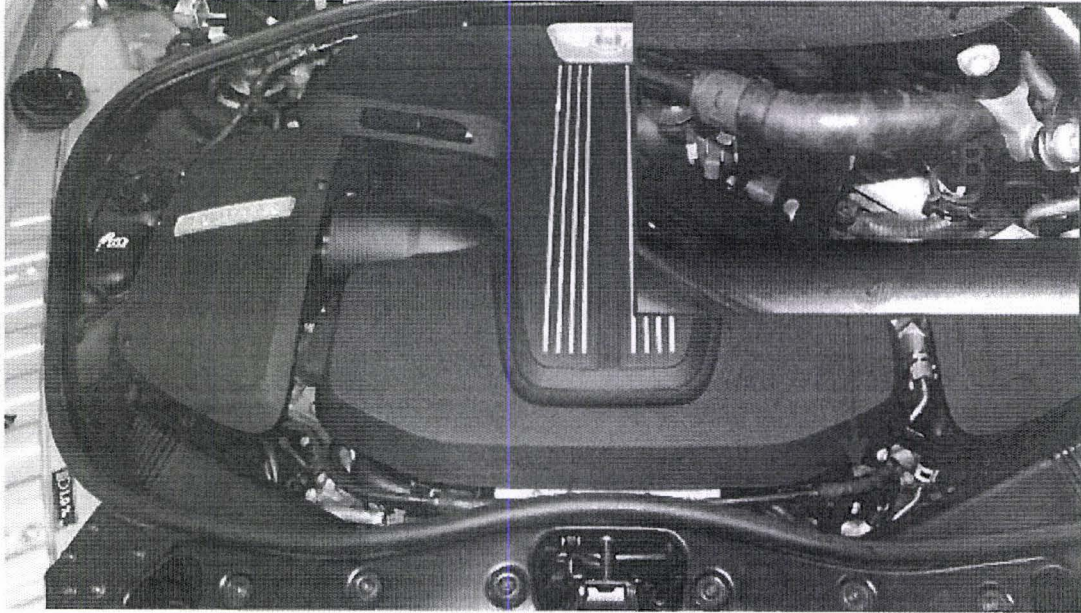


Figure 3

5. Referencing figure 3 locate the coolant hose (B) containing the second one way valve

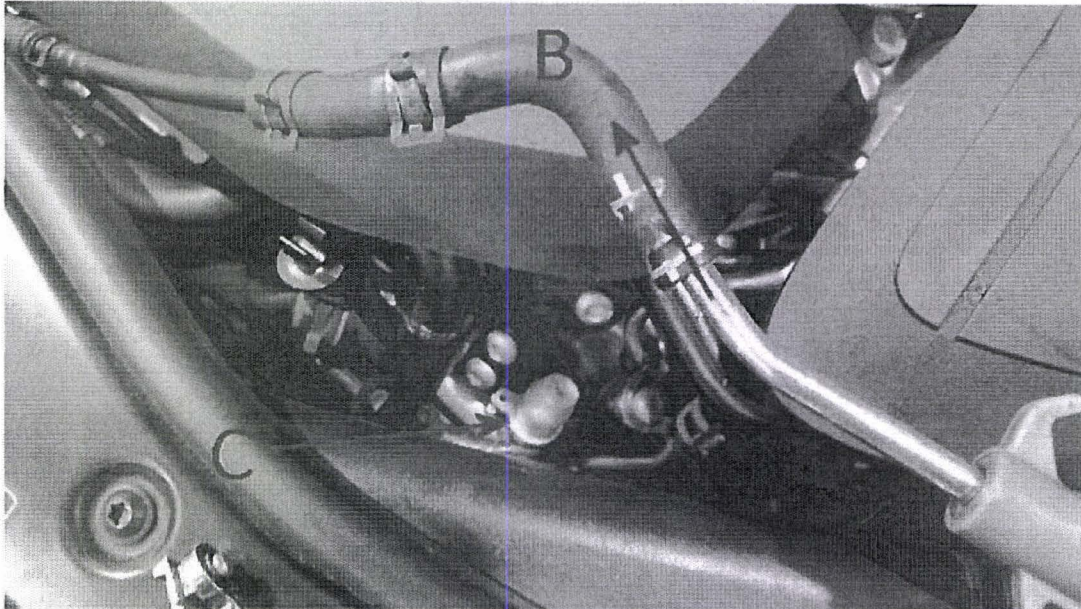


Figure 4

6. Disconnect coolant hose (B) from the stub pipe (C). Temporarily fit a blanking plug to the stub pipe to minimise coolant loss
7. To check the orientation of the one way valve ensure the expansion tank cap is removed then apply light air pressure to hose (B). If the air flows freely in the direction of the green arrow, evident as air exhausts at the expansion tank, then the one way valve is correctly orientated in the hose. If the



applied air pressure is restricted and does not flow then the valve is not orientated correctly and a replacement hose must be fitted

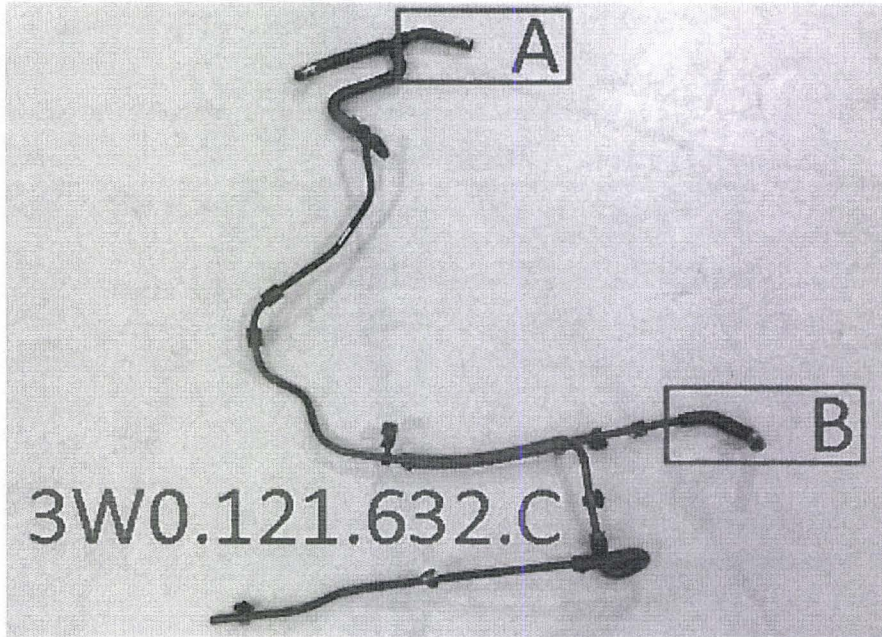


Figure 5

Note: To produce a replacement hose remove the required specific part, hose A or hose B, from a new assembly 3W0.121.632.C. The remaining section of this assembly can be discarded (see Figure 5)

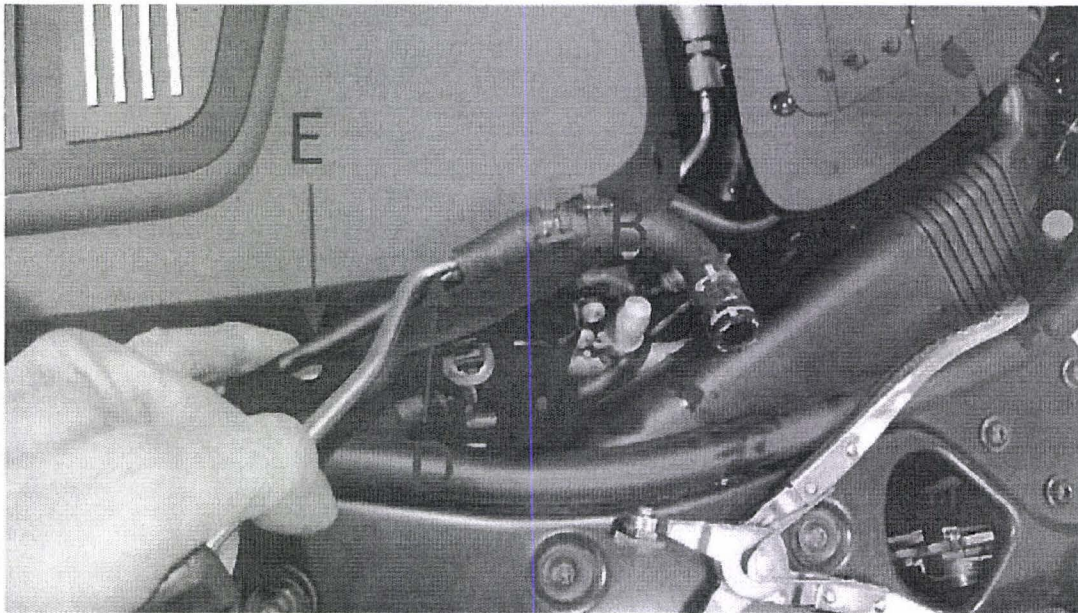


Figure 6

8. **Caution:** Care must be taken in the event that hose B requires replacement. Nylon pipe E shown in figure 6 will deform easily if force is applied therefore to remove hose B from this pipe a suitable hose pick (D) should be used
9. Check and if necessary correct the coolant level in the expansion tank
10. On completion apply a yellow paint campaign identification mark to the steel pipe (see Figure 8)



11. Prior to road test start the engine. Set climate control to AC off, maximum heat (Hi) and 1 segment selected on the fan speed. Elevate engine rpm to 3000 hold at this rpm until normal running temperature is achieved

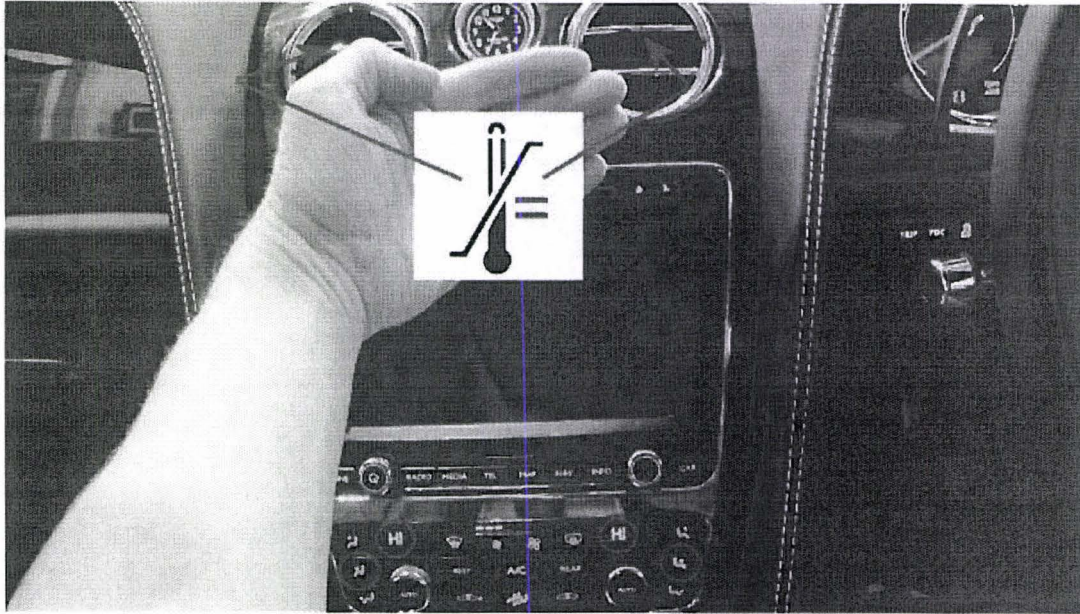


Figure 7

12. Carry out 15 minute road test. During the test, the climate control should be set to maximum heat (Hi) and 3 segments on the fan speed for both driver and front passenger. This will ensure the engine cooling system, specifically the heater circuit, is de-gassed. On completion of the road test, set both driver and front passenger air distribution controls to facia. At idle, confirm the output temperature is balance and consistent between left and right facia vents (see Figure 7)  
If temperature is not balanced or consistent, repeat road test and re-check
13. After the road test re-check and if necessary correct the coolant level in the expansion tank

### Identification



Figure 8

Yellow paint completion mark on steel pipe

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▲ Repair instructions ▲ Notes