

Technical product information

Topic	Air conditioning not cooling and/or low refrigerant gas
Market area	Bentley: worldwide (2WBE)
Brand	Bentley
Transaction No.	2067385/1
Level	EH
Status	Approval
Release date	

New customer code

Object of complaint	Complaint type	Position
air conditioning -> operation, air conditioning control	functionality	
air conditioning -> ventilation, air distribution	functionality	
air conditioning -> operation, air conditioning control	control units, services	
air conditioning -> ventilation, air distribution	component / consumables	

Vehicle data

New Flying Spur and Bentayga

Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
4V1*	2022	E		*	*	*
ZG2*	2022	E		*	*	*

Documents

Document name
master.xml

Customer statement / workshop findings

- Air conditioning not cooling and/or low refrigerant gas
- DTC B10ABF0: Refrigerant pressure lower limit not reached may also be logged in diagnostic address 08

Technical background

In the event the issue is as described the operative should refer to the instructions within the Measure section of this TPI to assist in diagnosing the reported issue

Before conducting the instructions within the Measure section the operative MUST refer to Rep.Gr 87 - Refrigeration system - Safety and general information



Caution

Bentley Motors Limited would like to stress that tracer additives have not been approved for use in our refrigeration systems. Tracer additives must not be used under any circumstances, failure to comply will invalidate warranty on all refrigeration system components

Production change

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Measure

Depending on the model type (see below Figure 1 Bentayga and Figure 2 New Flying Spur) the operative should check the rear HVAC unit expansion valve connections for any HVAC system leaks, in the event a leak is discovered the operative should refer to the applicable Rep.Gr to gain access to the leaking component(s) and replace the applicable parts (O-rings)

- Once the location of the leak is identified all of the applicable O-rings should be replaced

TIP: Ensure the correct specified refrigerant sniffer/ detection leak tool is used to check for any signs of a leak

HINT: The operative Must ensure there is enough pressure in the HVAC system to successfully carry out the leak diagnosis, in the event there is not enough pressure the operative must refer to Rep.Gr 87 - Refrigeration system - To discharge and charge

Bentayga

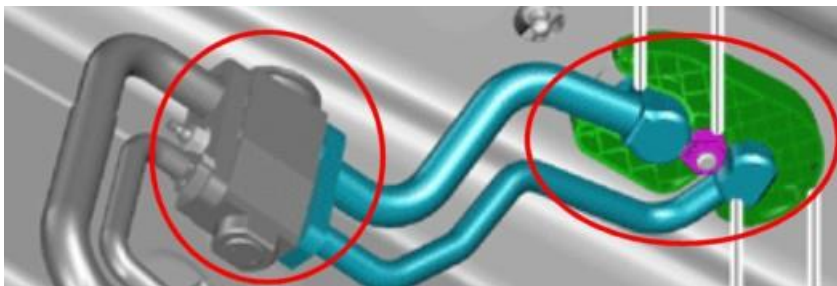


Figure 1

New Flying Spur

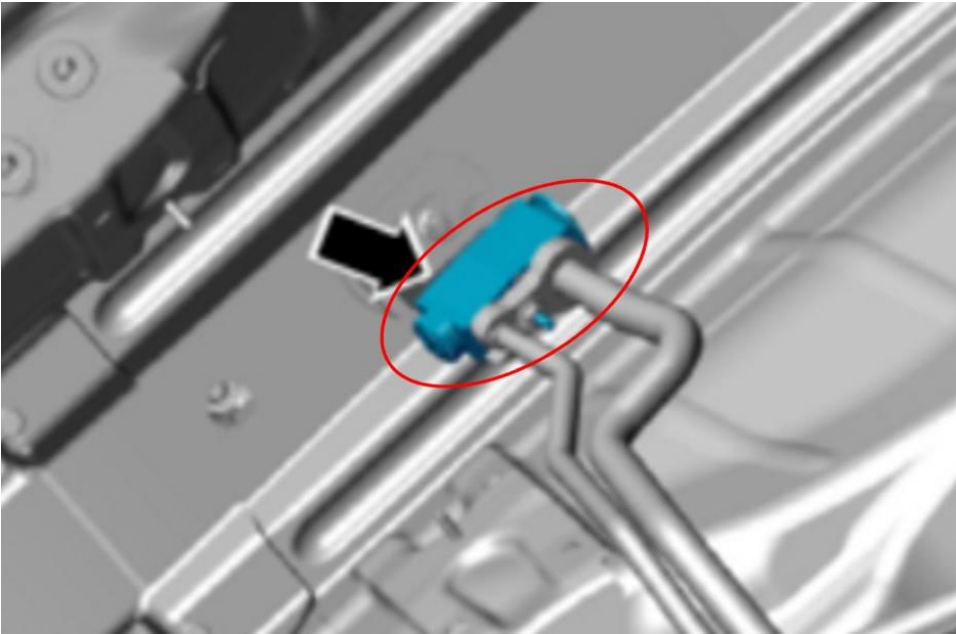


Figure 2

- Once the source of the leak is identified - Refer to Rep.Gr 87 and discharge the HVAC system
- Conduct a visual inspection of all components/mating faces
- Ensuring all components are free of damage/contamination replace all applicable O-Rings (complete sets)
- Refer to Rep.Gr 87 - Charge the HVAC system
- Confirm the leak is no longer evident

Warranty accounting instructions

Due to the various symptoms and repair methods which may be evident and/or required (depending on the symptom), the operative should refer to the Labour operations section within Elsa pro when submitting rework claims which apply to the applicable symptom

Parts information

Refer to the ETKA parts catalogue