 Connection offline

Field campaign

Topic	Flying Spur HVAC refrigeration pipe clip replacement - Corrosion (SC14/02)
Market area	Russische Föderation (5RU), Russian Federation 935 Volkswagen Group RUS (6935), United Kingdom E01 Bentley UK (6E01), Germany E02 Bentley rest Europe (6E02), Japan E03 Bentley Japan (6E03), Australia E04 Bentley rest Asia and Australia (6E04), United States E05 Bentley USA and rest America (6E05), United Arab Emirates E06 Bentley Middle East and Africa (6E06)
Brand	Bentley
Transaction No.	2035328/2
Campaign number	EA02
Note	
Type	Workshop Campaign
US code	

Vehicle data

Flying Spur

Sales types

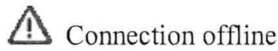
Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
4W21*	2014	E		*	*	*

Chassis numbers

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

Documents

Document name
master.xml
master.doc



Connection offline

Workshop Campaign EA02

Transaction No.: 2035328/2

Flying Spur HVAC refrigeration pipe clip replacement - Corrosion (SC14/02)

Notes



Repair instructions

Technical background

Extended durability trials have identified corrosion on the outside of the air conditioning pipe where it passed through the left hand front wheel arch area. This corrosion is only evident at the clipping point and is associated with the use of stainless steel clips. In extreme cases the corrosion would compromise the pipe integrity and result in refrigerant loss.

Remedy

Clips that do not promote this type of corrosion are now specified. The procedure details the pipe inspection, and if required the corrective action necessary before fitting the three replacement clips

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

To check the pipes only

Warranty Type	710 or 790
Labour Operation Code	87 44 01 00
Damage Service Number	EA02
Damage Code	00 66
Time	70 TU
Criteria ID	01

To check and replace the pipes

Warranty Type	710 or 790
Labour Operation Code	87 44 20 00
Damage Service Number	EA02
Damage Code	00 66
Time	170 TU
Criteria ID	01

Genuine parts

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

regional Bentley parts distribution centre

Parts supply

New Part Number	Description	Displaced Part Number	Quantity
RSGUV1.10-15W1	Clip 10x15	N0206517	2
RSGUV1.18-15W1	Clip 18x15	N0206405	1
N90737107	Bolt - locking	N90737107	1

In Addition to above the following are required for air conditioning pipe replacement

New Part Number	Description	Part Number	Quantity
4W0260706B	AC High pressure pipe	4W0260706A	1
4W0260713A	AC Suction pipe	4W0260713	1
3D0260749C	O Ring	3D0260749B	2
4E0260749B	O Ring	4E0260749B	2

Parts despatch control

Repair instructions



Technical background

Extended durability trials have identified corrosion on the outside of the air conditioning pipe where it passed through the left hand front wheel arch area. This corrosion is only evident at the clipping point and is associated with the use of stainless steel clips. In extreme cases the corrosion would compromise the pipe integrity and result in refrigerant loss.

Check

If the vehicle is not already listed as repaired in the "Repair history" (in ElsaPro), check for the campaign identification mark, yellow paint mark on the steel pipe (Figure 6), 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

1. Position the car on a ramp Refer to Maintenance manuals "Raising and supporting the car"

2. Put the vehicle into "Jack mode"
 - Switch on the ignition
 - Simultaneously press and hold down the ride height and damper setting buttons located on the lower centre console for five seconds, until the self-levelling warning indicator is displayed in the drivers instrument panel 
3. Remove the front left hand wheel arch liner Rep. Gr.66 Front wheel arch liners – To Remove and Fit
4. Remove the front undersheet Rep. Gr.66 Front undersheets – To Remove and Fit

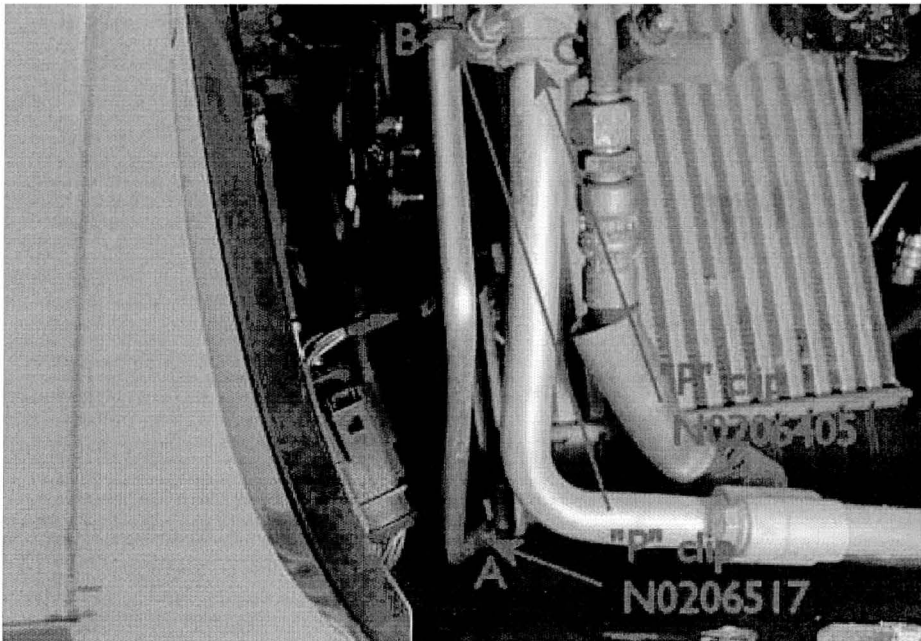


Figure 1

5. Referencing figure 1 identify the three P clips (A,B and C) located in the front left wheelarch that require replacement

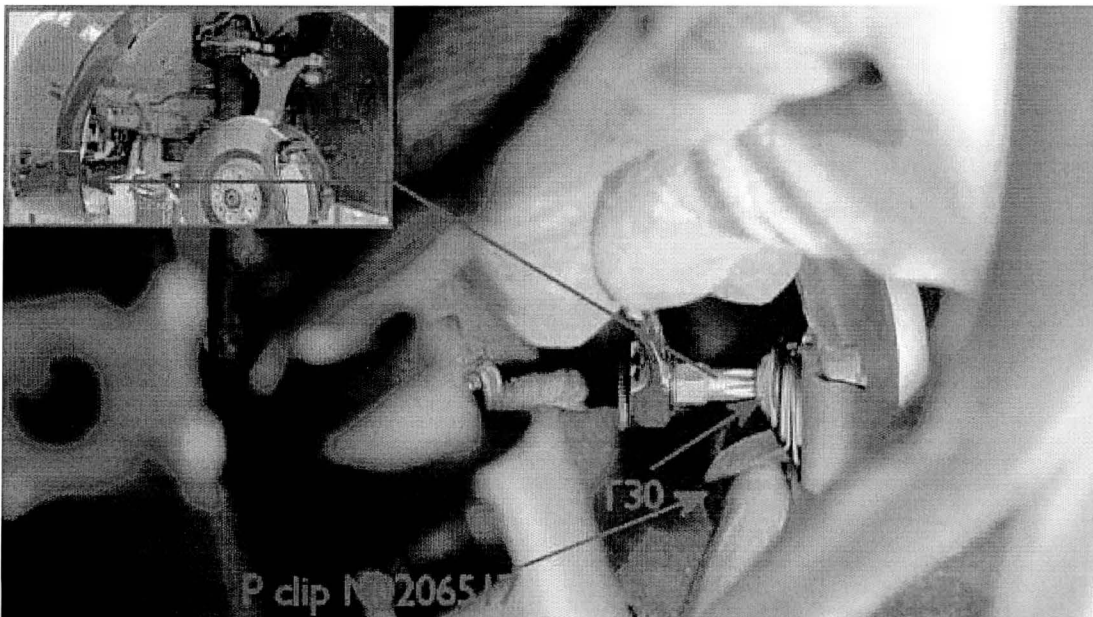


Figure 2

6. Using a T30 bit loaded into a ratchet spanner remove the fastener securing P clip (A). Remove and discard clip A (see Figure 1 and 2)
7. Remove and discard clips B and C (see Figure 1)

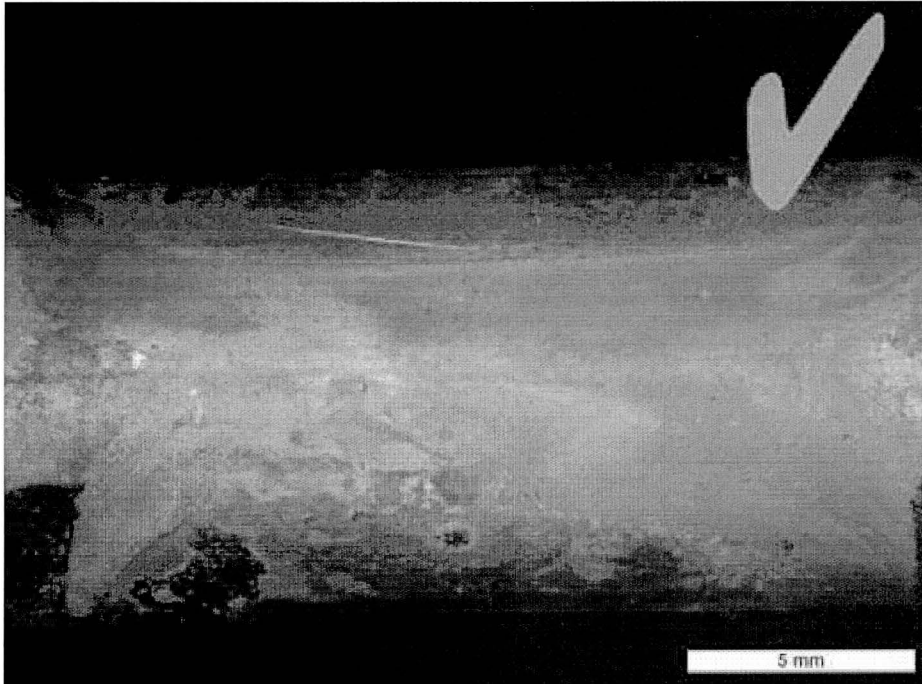


Figure 3

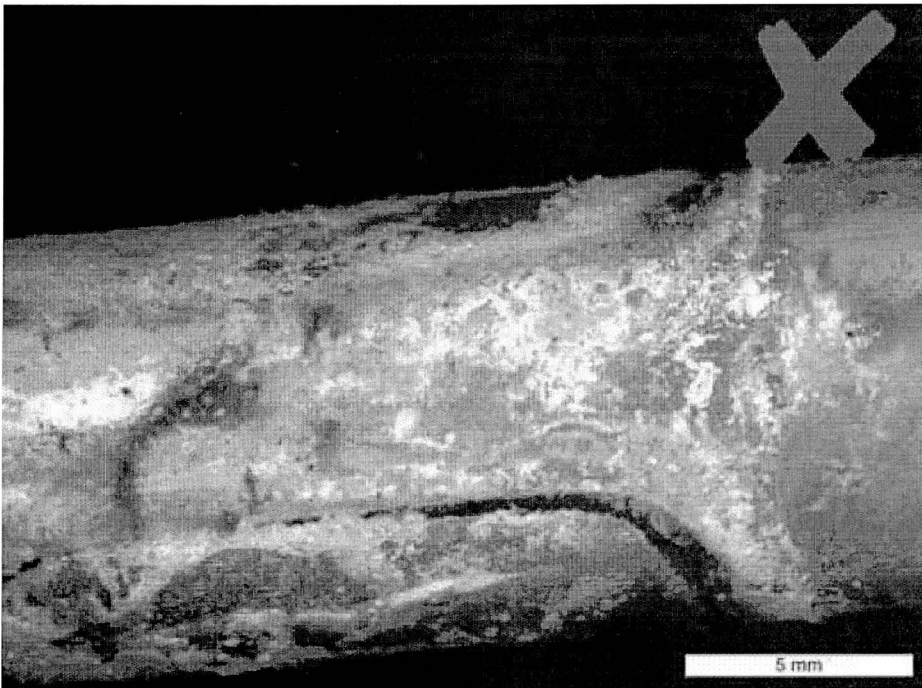



Figure 4

8. The three locations from which the clips have been removed should now be inspected for surface

corrosion, use of a mirror will aid inspection. Discolouration and light oxidation on the surface of the pipe is not detrimental and does not necessitate pipe replacement (see Figure 3). If the pipe surface shows signs of extensive corrosion and pitting (see Figure 4) then that pipe should be replaced

9. On cars where the pipe is serviceable, figure 3, fit three replacement clips. For position A and B fit new clip part number RSGUV1.10-15W1 in position C fit new clip part number RSGUV1.18-15W1. If either pipe is found to have extensive corrosion then both pipes should be replaced before replacing the clips, in this case follow the *Air conditioning pipe replacement* procedure detailed below.
10. Apply yellow paint campaign identification mark to the air conditioning suction pipe (see Figure 6)
11. Refit the front wheel arch liner Rep. Gr.66 Front wheel arch liners – To remove and fit
12. Refit the front left hand undersheet Rep. Gr.66 Front undersheets – To Remove and Fit
 - The vehicle can be taken out of “Jack mode” by Simultaneously press and hold down the ride height and damper setting buttons located on the lower centre console for five seconds, until the self-levelling warning indicator is extinguished in the drivers instrument panel 

Air conditioning pipe replacement



Before working on the refrigeration system, read and understand the Refrigeration system – safety and general information detailed in the workshop manual Rep. Gr.87

1. This procedure is only to be performed if either pipe has extensive surface corrosion at the clipping points (see Figure 4)
2. **Note:** If the refrigeration system is left open for more than 30 minutes the accumulator will have to be replaced
1. Discharge the refrigerant from the system Rep. Gr.87 Refrigeration system – To discharge and charge

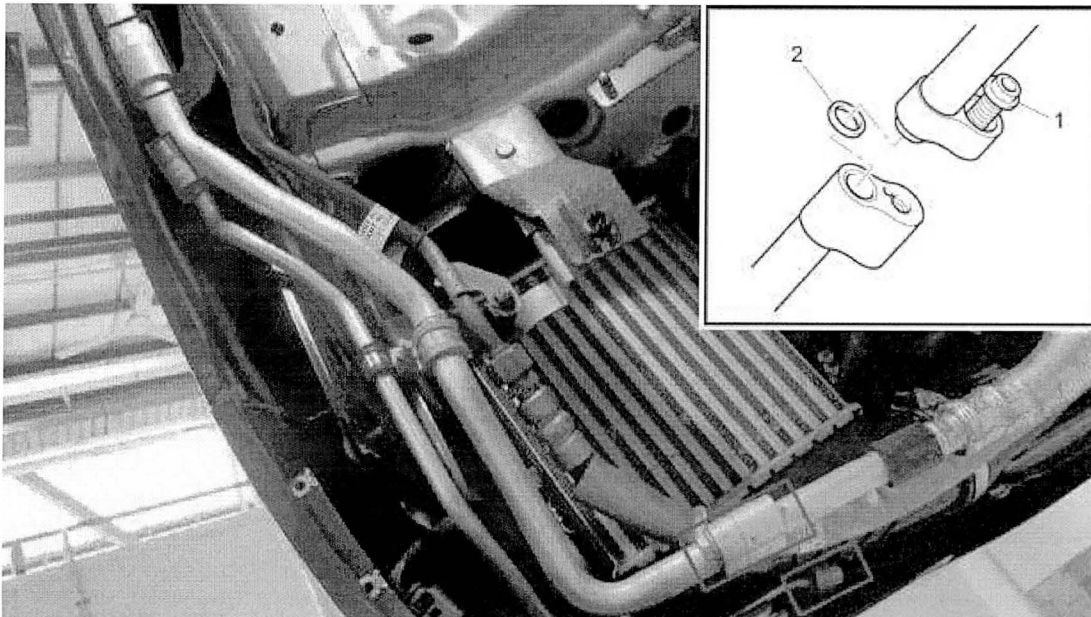



Figure 5

2. Locate the four joints securing the two pipes (see Figure 5). For each of the four joints remove the retaining screw -1- then separate the two pipes, discard the O ring -2-
 3. Fit the two new pipes using new O rings coated in refrigerant oil. Tighten pipe joint retaining bolt -1- to 15Nm
 4. Fit and secure the pipes using the three new pipe clips
 5. Evacuate, recharge and leak test the refrigerant system Rep. Gr.87 Refrigeration system – To discharge and charge
 6. Apply yellow paint campaign identification mark to the air conditioning suction pipe (see Figure 6)
 7. Refit the front wheel arch liner Rep. Gr.66 Front wheel arch liners – To remove and fit
 8. Refit the front undersheet Rep. Gr.66 Front undersheets – To Remove and Fit
- The vehicle can be taken out of “Jack mode” by Simultaneously press and hold down the ride height and damper setting buttons located on the lower centre console for five seconds, until the self-levelling warning indicator is extinguished in the drivers instrument panel 

Identification



Figure 6

On completion apply a yellow campaign completion mark to the air conditioning suction pipe (large) such that the mark can be viewed through the left hand front wheel arch liner (see Figure 6)