

Technical Service Bulletin



19 Coolant leak at connection of water pump and hose leading to the heater core

19 13 44 2033491/4 July 18, 2013. Supersedes Technical Service Bulletin Group 19 number 13-42 dated July 11, 2013 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A4, A5, A5 cab, Audi Q5, A6	2009-2013	All	2.0 TFSI

Condition

REVISION HISTORY		
Revision	Date	Purpose
4	-	Revised <i>Condition</i> (Corrected date error in Revision History table)
3	07/11/2013	Revised <i>Required Parts and Tools</i> (Union seals added)
2	06/17/2013	Revised <i>Service</i> (Part number for seal ring updated) Revised <i>Required Parts and Tools</i> (Part number for seal ring updated)
1	04/15/2013	Initial publication

Customer may report coolant leaking from the engine area.

Technical Background

The leak can be traced to the connection of the water pump and the hose leading to the heater core (Figure 1). The seal ring is not the cause of the leak.



Figure 1. Connection of water pump and hose leading to heater core

Production Solution

Not applicable.

Service

1. Visually inspect the area of the suspected coolant leak.
2. Classify suspected coolant leak as Category 1, Category 2, or Category 3, according to the Categorization of Leaks table included in the Audi Warranty Policies and Procedures Manual (see below).

Categorization of leaks		Reimbursement of leaks	
The component (in this case, coolant hose) and the immediately adjacent component it is mounted to (in this case, the water pump) ...		With customer concern	Without customer concern
Category 1	... may be wet with fluid residue, however, there is no droplet formation and no other components are affected.	Cleaning	No reimbursement
Category 2	... is wet with fluid residue, and there is droplet formation or slight seepage, however, those droplets are not dropping off.	Cleaning	No reimbursement
Category 3	... is wet with fluid residue, there is droplet formation, and those droplets are dropping off.	Replacement of leaking part	

If the leak falls into Category 1 or Category 2, proceed as instructed by the table. If the leak falls into Category 3, proceed to step 3.

3. After confirming that the leak is a category 3 leak, take a photograph of the leak (use leak talcum spray if necessary) and attach a printout of the photograph to your warranty paperwork.
4. Replace the water pump (**06H121026CF**), seal ring (**WHT006407**), and the hose to the heater core (**06H121065D**).

 **Note:**

Replacing only the seal ring may not prevent the leak from reoccurring.

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Warranty

Claim Type:	Use applicable claim type. If vehicle is outside any warranty, this Technical Service Bulletin is informational only.		
Service Number:	1962		
Damage Code:	0050		
Labor Operations:	Coolant pump remove+reinstall	1950 1913	290 TU
	Coolant hose remove+reinstall	1962 1950	10 TU
Diagnostic Time:	GFF	No allowance	0 TU
	Road test prior to service procedure	No allowance	0 TU
	Road test after service procedure	0121 0004	10 TU
	Technical diagnosis at dealer's discretion (Refer to Section 2.2.1.2 and Audi Warranty Online for DADP allowance details)		
Claim Comment:	As per TSB #2033491/4		

All warranty claims submitted for payment must be in accordance with the *Audi Warranty Policies and Procedures Manual*. Claims are subject to review or audit by Audi Warranty.

Required Parts and Tools

Part Number	Part Description	Quantity
06H121026CF	Water pump with cooling thermostat	1
06H121065D	Water tube	1
N 10405604	Oval hexagon socket head bolt	2
N 90686902	Spring clip	1
WHT002001	Round seal	2
WHT006407	Seal ring	1

Please verify the correct parts needed with your parts department.

Additional Information

The following repair procedures will be necessary to complete this procedure:

- *Repair Manual>>Engine>>Engine Mechanical>>19 Cooling System>>Removal and Installation>>Coolant Pump*
- *Repair Manual>>Engine>>Engine Mechanical>>19 Cooling System>>Removal and Installation>>Small Coolant Pipe*

All parts and service references provided in this TSB (2033491) are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information.