



Technical Service Bulletin

19 Heating output insufficient (DTC B10D004 and/or B11D501)

19 17 80 2047114/1 March 9, 2017.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A6, A7, S6, S7, RS 7	2015	All	Not Applicable
A8, S8	2014 - 2017	All	Not Applicable
S8 +	2016 -2017	All	Not Applicable

Condition

Customer statement:

- Insufficient heating output
- Passenger compartment does not get warm

Workshop findings:

The customer statement can be reproduced. In the Climatronic control module, J255 (address word 0008), at least one of the following event entries is logged:

- **DTC B10D004** coolant circulation pump, mechanical fault

Or

- **DTC B11D501** supply voltage of terminal 30 for coolant circulation pump, electric fault

Technical Background

The V50 coolant recirculation pump is malfunctioning.

Production Solution

Improved coolant pump.

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Service

Replace the V50 coolant recirculation pump, use the washers if pump is mounted with screws to the bracket as shown (some models have rubber covered metal band instead).

- N 011 523 21 (3x)

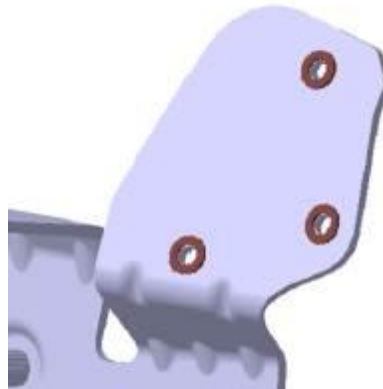


Figure 1. Washers installed.

To ensure about 1mm distance between the V50 coolant recirculation pump and its bracket (Figure 1 and 2):

Bleed the coolant circuit according to ElsaPro at *Repair Manual >> Engine >> 19 Cooling System >> Cooling System/Coolant >> Cooling, Draining and Filling.*



Figure 2. Pump mounted.



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Warranty

Claim Type:	<ul style="list-style-type: none"> • 110 up to 48 Months/50,000 Miles. • G10 for CPO Covered Vehicles – Verify Owner. • If vehicle is outside any warranty, this Technical Service Bulletin is informational only. 		
Service Number:	1945		
Damage Code:	0010		
Labor Operations:	A6, S6, A7, RS 7		
	V50 coolant recirculation pump remove+ reinstall 2.0TFSI Chain	1945 1913	80 TU
	V50 coolant recirculation pump remove+ reinstall 2.0TFSI Gen 3	1945 1915	60 TU
	V50 coolant recirculation pump remove+ reinstall 3.0TFSI	1945 1941	90 TU
	V50 coolant recirculation pump remove+ reinstall 3.0TFSI Evo	1945 1908	220 TU
	V50 coolant recirculation pump remove+ reinstall 4.0TFSI Chain	1945 1921	80 TU
	A8, S8		
	V50 coolant recirculation pump remove+ reinstall 3.0TFSI Chain	1945 1941	50 TU
	V50 coolant recirculation pump remove+ reinstall 3.0TFSI Evo	1945 1941	50 TU



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	V50 coolant recirculation pump remove+ reinstall V8 FSI Chain	1945 1919	90 TU
	V50 coolant recirculation pump remove+ reinstall 4.0TFSI Chain	1945 1921	90 TU
	V50 coolant recirculation pump remove+ reinstall 12 cylinder	1945 1982	50 TU
	Front bumper cover remove + reinstall (12 cylinder <u>only</u>)	6329 1900	110 TU
Diagnostic Time:	GFF	0150 0000	Time stated on diagnostic protocol (Max 10 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 #2047114/1		

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.



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Required Parts and Tools

Part Number	Part Description	Quantity
06D 121 601	V50 coolant recirculation pump	1
N 906 87 001	Spring clips 27 x12	2
N 011 523 21	Washer 5 x10 x 1	3
G 013A8J1G	Coolant additive	1

Tool Number	Tool Description
VAS6096	Cooling System Charging Unit
VAG 1974/8	Adapter
VAG 1978/17	Adapter

Additional Information

All parts and service references provided in this TSB (2047114) are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information.

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