

Technical Service Bulletin



19 Coolant pipe leaks on turbocharger

19 14 47 2036167/1 January 31, 2014.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
S6	2013	000001 - 127113	4.0T
S7	2013	000001 - 127864	4.0T
S8	2013	000001 - 027858	4.0T
A8	2013	000001 - 027858	4.0T

Condition

- The low coolant level light is illuminated.
- The coolant level is too low.
- A black crust is visible on the turbocharger coolant lines.

Technical Background

There may be slow coolant loss from the connections of the coolant feed pipe and coolant return pipe. High temperatures cause the coolant to become encrusted on the connection flange of the turbocharger (Figure 1).

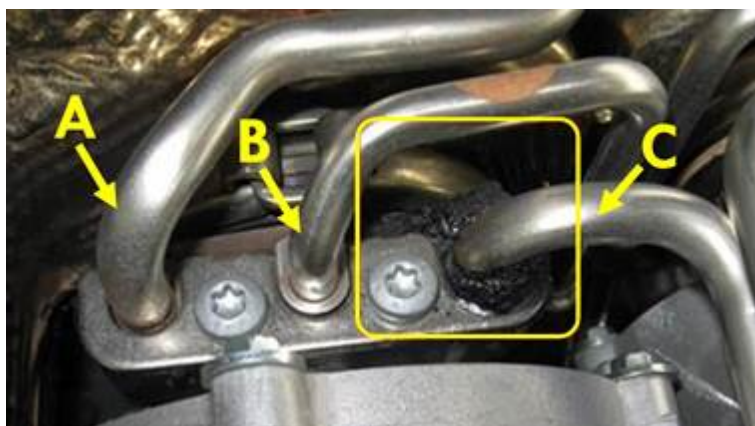


Figure 1. Black, encrusted coolant residue (outlined area), coolant feed pipe (A), oil feed pipe (B), and coolant return pipe (C).

Production Solution

Modified coolant feed pipes, coolant return pipes, and o-rings.

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Service

1. Drain the cooling system.
2. Following the instructions in Elsa, replace the coolant feed pipes and coolant return pipes for both cylinder banks.
3. Replace the oil feed pipe o-rings.
4. Tighten the coolant line and oil line hold-down bolts to 9nm.
5. Fill and bleed the cooling system.



Note:

Use only distilled water for mixing coolant; refer to Elsa for proper mixing instructions.

Warranty

Claim Type:	110 If vehicle is outside any warranty, this Technical Service Bulletin is informational only.		
Service Number:	1961		
Damage Code:	0050		
Labor Operations:	Coolant pipes remove + reinstall. (Includes drain and fill cooling system.)	1961 5699	700 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 #2036167/1		

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.

Required Parts and Tools

Part Number	Part Description	Quantity
N 907 702 01	Spring clip 17 x 12 mm for lower connection of return pipe.	2
N 910 568 01	Upper oil feed pipe o-ring 12 x 2 mm	2
079 145 910 H	Coolant feed pipe, B1 includes o-rings	1
079 145 909 H	Coolant feed pipe, B2 includes o-rings	1
079 145 948 H	Coolant return pipe, B1 includes o-ring	1
079 145 947 G	Coolant return pipe, B2 includes o-ring	1
G 012 A8G	Coolant additive	6 liters

Tool Number	Tool Description
V.A.G 1274/8	Adapter
V.A.G 1274/10	Adapter
VAS 6096	Cooling system charge unit
T10007 A	Refractometer
079 145 947 G	Coolant return pipe, B2 includes o-ring

Additional Information

All parts and service references provided in this TSB (2036167) are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information.