

Technical Service Bulletin



17 Whistling noises from engine compartment

17 15 62 2040644/1 May 13, 2015.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
S6, S7, RS 7, A8, S8	2013 - 2016	All	4.0T

Condition

- A metallic whistling or grinding sound is heard from the engine compartment when the vehicle is at idle speed.
- The sound usually only occurs when the engine is warm.
- The MIL is sporadically on.
- The following DTCs are stored in the engine control module (ECM), J623 (address word 01):
 - **DTC P2279** (Intake air system leak)
 - **DTC P0507** (Idle control system RPM higher than expected)

Technical Background

A leak in the crankcase breather module (pressure regulating valve) can cause this condition.

Production Solution

Not applicable.

Service

1. Perform both of the following checks before proceeding:
 - Compare the sound of the vehicle to the sound in the video located at: <https://audi-external.kzoplatform.com:443/swf/player/311> (Figure 1).
 - Open the filler cap to check whether the sound is affected when the filler cap is open.



Figure 1. QR code for viewing the video with a QR code reader on phones and tablets. Alternatively, the video can be accessed through computer internet browsers at the link provided in this bulletin.

2. If the sound of the vehicle matches the sound in the video **and** the sound is affected when the filler cap is opened, replace the oil separator breather module.

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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:	1753		
Damage Code:	0050		
Labor Operations:	For A8 and S8:		
	Oil separator breather remove +reinstall	1753 1971	20 TU
	Air intake distributor remove+reinstall	2446 1921	470 TU
	For S6 and S7:		
	Oil separator breather remove +reinstall	1753 1971	20 TU
	Air intake distributor remove+reinstall	2446 1921	620 TU
	Additional labor for adjustment of ACC, top view camera, and night vision, if necessary based on vehicle equipment	See Elsa	See Elsa
	For RS7:		
	Oil separator breather remove +reinstall	1753 1971	20 TU
	Air intake distributor remove+reinstall	2446 1923	710TU
Diagnostic Time:	GFF – Checking and clearing fault codes included in existing labor operations	0150 0000	10 TU
	Road test prior to service procedure	0121 0002	10 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 #2040644/1		

Required Parts and Tools

Part Number	Part Description	Quantity
079 103 542 B	Oil separator	1
079 129 717 J	Gasket intercooler left	1
079 129 717 K	Gasket intercooler right	1
N 90442501	Retaining clip	2
N 90489801	Retaining clip	2
079 145 818	Gasket throttle body	1
079 145 417 A	Gasket Recirculation valve	2

Additional Information

All parts and service references provided in this TSB (2040644) are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information.