



Technical Service Bulletin

17 MIL on, DTC P227900 and/or P050700 whistling noises from engine compartment

17 22 19 2040644/13 March 25, 2022. Supersedes Technical Service Bulletin Group 17 number 22-18 dated March 10, 2022, for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A6, S6, A7, S7, A8, and S8	2013 – 2016	All	With 4.0 Engine
RS 7	2014 – 2016		

Condition

REVISION HISTORY		
Revision	Date	Purpose
13	-	Revised Title (updated DTCs) Revised <i>Condition</i> (updated DTCs) Revised <i>Warranty</i> (Updated Labor Operations)
12	03/10/2022	Revised <i>Warranty</i> (Updated Labor Operations)
11	03/19/2020	Revised <i>Warranty</i> (Updated TU)

Customer states:

- 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.

Workshop findings:

The following DTCs are stored in the engine control module (ECM), J623 (address word 0001):

- **DTC P227900** (Intake air system leak).
- **DTC P050700** (Idle control system rpm higher than expected).

Technical Background

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



Technical Service Bulletin

Production Solution

A fabric-reinforced internal membrane of the crankcase breather module.

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.

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 the vehicle is outside any warranty, this Technical Service Bulletin is informational only. 		
Service Number:	1726		
Damage Code:	0050		
	Oil separator breather remove +reinstall	1753 1971	See SRT With associated Operations



Technical Service Bulletin

Diagnostic Time:	GFF – Checking and clearing fault codes included in existing labor operations	0150 0000	Time stated on the diagnostic protocol (Max 150 TU, depending on vehicle options)
	Road test prior to service procedure	No allowance	0 TU
	Road test after the service procedure	No allowance	0 TU
Claim Comment:	As per TSB 2040644/12		

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

Always check with your Parts Department and/or ETKA for the latest information and parts bulletins.		
Part Number	Part Description	Quantity
079103542E	Oil separator	01
079129717J	Gasket intercooler left	01
079129717K	Gasket intercooler right	01
N 90442501	Retaining clip	02
N 90489801	Retaining clip	02
N 90409501	Retaining clip	02
079145818	Gasket throttle body	01
079145417B	Gasket recirculation valve	02
WHT 001011	O-ring	01
Refer to Etk	Coolant	01
Outside material	Distilled water (obtain locally)	Shop supply
See ETKA	Fasteners, Bolts, Nuts, and Screws as needed per the Repair Manual	See ETKA/ELSA



Technical Service Bulletin

Additional Information

All parts and service references provided in this TSB (**2040644**) are subject to change and/or removal.

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