

Instructions for use



Please note:

This TSH article may be used only if the equipment combinations, on-board control units and event memory entries specified below apply to the vehicle.

Diagnostic trouble codes

Diagnostic address	Diagnostic trouble code	Fault symptom	Storage state
0001 - Engine Control Module 1	P227900: Intake Air System Leak		Intermittent
0001 - Engine Control Module 1	P050700: Idle Control System RPM Higher than Expected		Intermittent

Condition

REVISION HISTORY		
Revision	Date	Purpose
10	-	Revised title Revised <i>Warranty</i> (Updated GFF Diagnostic Time)
9	11/21/2017	Revised <i>Required Parts and Tools</i> (Updated quantity)
8	05/25/2017	Revised header data (Added engine code)

Customer may report:

- 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 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

Fabric reinforced internal membrane of 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 vehicle is outside any warranty, this Technical Service Bulletin is informational only. 		
Service Number:	1726		
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	600 TU
	Additional labor for adjustment of ACC, top view camera, and night vision, if necessary based on vehicle equipment	See Elsa	See Elsa
	For RS 7:		
	Oil separator breather remove +reinstall	1753 1971	20 TU
	Refrigerant drain + fill	8703 1750	40 TU
	Air intake distributor remove + reinstall	2446 1923	690 TU
	Additional labor for adjustment of ACC, top view camera, and night vision, if necessary based on vehicle equipment	See Elsa	See Elsa
	Diagnostic Time:	GFF – Checking and clearing fault codes included in existing labor operations	0150 0000

	Road test prior to service procedure	0121 0002	10 TU
	Road test after service procedure	0121 0004	10 TU
Claim Comment:	As per TSB #2040644/10		

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. Please check the Repair Manual for fasteners, bolts, nuts, and screws that require replacement during the repair.

Part Number	Part Description	Quantity
079103542E	Oil separator	1
079129717J	Gasket intercooler left	1
079129717K	Gasket intercooler right	1
N 90442501	Retaining clip	2
N 90489801	Retaining clip	2
N 90409501	Retaining clip	2
079145818	Gasket throttle body	1
079145417B	Gasket recirculation valve	2
WHT 001011	O-ring	1
G 013A8J1G	Coolant additive	1
Outside material	Distilled water (obtain locally)	Shop supply

Additional Information

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

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