



Technical Service Bulletin

17 MIL on or noises from the crankcase breather, DTC P052E00 is stored in the ECM

17 21 16 2060033/3 May 6, 2021. Supersedes Technical Service Bulletin Group 17 number 20-10 dated August 26, 2020 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A6	2009 - 2018	All	3.0
Q5	2013 - 2017	All	3.0
S4	2009 -2015	All	3.0
S5	2013 - 2016	All	3.0
S5 Cabriolet	2010 - 2017	All	3.0
SQ5	2014 - 2017	All	3.0
A7, A8, and Q7	2012 - 2018	All	3.0

Condition

REVISION HISTORY		
Revision	Date	Purpose
3	-	Revised <i>Service</i> (Updated instructions for the new repair kit) Revised <i>Warranty</i> (Updated Labor Operations) Revised <i>Required Parts and Tools</i> (Updated part availability)
2	08/27/2020	Revised <i>Service</i> (Updated Step 2) Revised <i>Required Parts and Tools</i> (Updated Parts)
1	07/21/2020	Initial publication

Customer states:

- Noises from engine compartment.

Or

- MIL on.

Workshop findings:

- Noises from the crankcase breather.

The following DTC may be stored in the engine control module (ECM), J623 (address word 0001):

- DTC P052E00** (valve for crankcase ventilation, malfunction).



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Technical Background

Fuel additives can cause the membrane to crack.

Production Solution

Not applicable.

Service

1. Using the hand vacuum pump VAS 6213 check the membrane of the crankcase breather for leaks; a leak can mean a faulty membrane or elbow piece (see TSB 2060259: *17 MIL on or noises from the engine compartment, DTC P052E00 is stored in the ECM for the elbow piece repair*).
2. Remove the compressor/intake manifold and check the membrane for leaks directly on the crankcase breather. Remove the crankcase breather and check the two metal plates for damage (Figure 1).
If a plate is defective, please use the repair kit 06E 103 772H.



Figure 1. Metal plates.



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3. Replace the membrane of the pressure regulating valve (Figures 2-3) (Included in the repair kit 06E 103 772H).

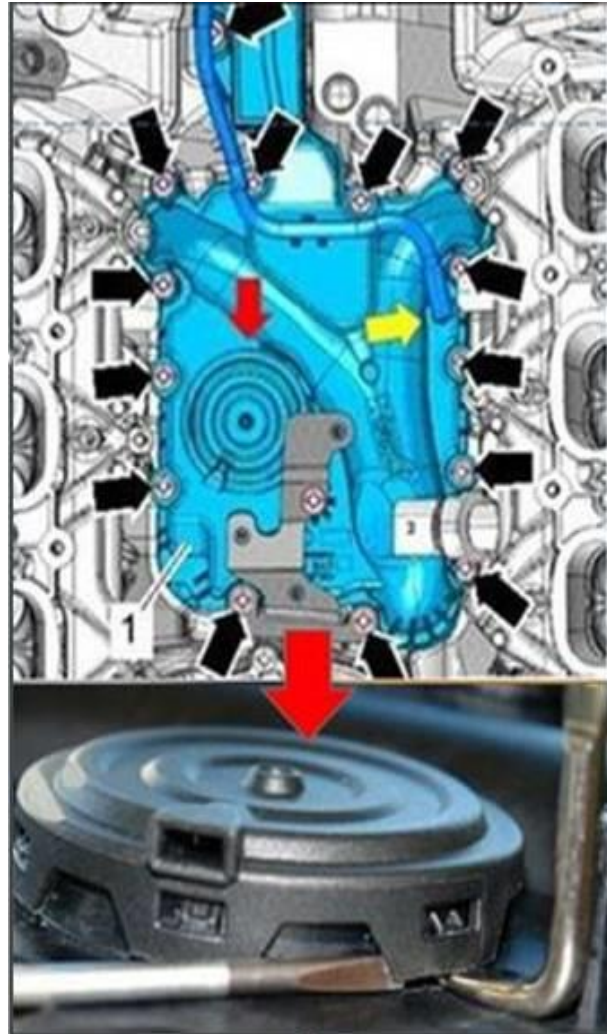


Figure 2. Membrane example.



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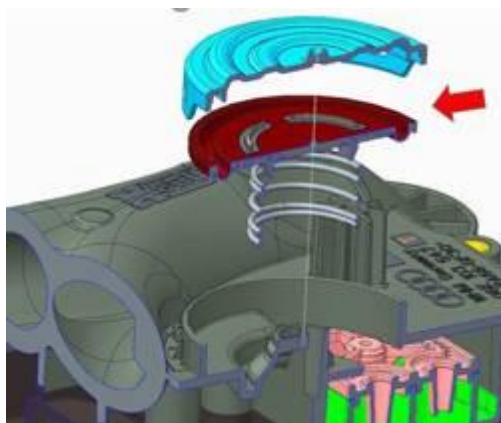


Figure 3. Replacing the membrane.

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:	1050		
Damage Code:	0050		
Labor Operations:	Remove and install compressor	2114 19XX	See SRT with associated labor operations
	Check crankcase breather	1050 0199	20 TU
	Remove and install elbow piece (only if faulty)	1050 1999	10 TU
	Remove and install crankcase breather (only if membrane or plate is faulty)	1050 19XX	See SRT with associated labor operations
	Replace membrane and plate (only if faulty)	1050 5599	20 TU
Diagnostic Time:	GFF – Checking and clearing fault codes included in existing labor operations	0150 0000	Time stated on the diagnostic protocol (Max 30 TU)



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	Road test prior to the service procedure	No allowance	0 TU
	Road test after the service procedure	No allowance	0 TU
Claim Comment:	As per TSB #2060033/3		

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
See ETKA	Fasteners, Bolts, Nuts, and Screws as needed per the Repair Manual	See ETKA/ELSA
06E103772H	Pressure regulating valve repair kit with plate	01
06E103547*	Crankcase breather (vent trim in ETKA)	01

Tool Number	Tool Description
VAS 6213	Hand vacuum pump
VAS 6160/VAS 6150 (Windows 10 with current version of ODIS)	ODIS Service with VAS tester

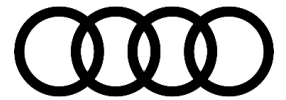
Additional Information

The following Technical Service Bulletin(s) will be necessary to complete this procedure:

- TSB 2060259, *17 MIL on or noises from the engine compartment, DTC P052E00 is stored in the ECM.*

All parts and service references provided in this TSB (2060033) are subject to change and/or removal.

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