Technical Service Bulletin

01 MIL on; no leak in EVAP system (DTC P045600)

01 16 53 2027732/15 February 10, 2016. Supersedes Technical Service Bulletin Group 01 number 15-37 dated July 31, 2015 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A6, A7	2012	All	3.0L
A8	2011 - 2012	All	4.2L

Condition

REVISION HISTORY		
Revision	**Date**	**Purpose**
15	-	Revised *Service* (Added filter replacement) Revised *Warranty* (Added time for activated charcoal filter for A6 and A7) Revised *Required Parts and Tools* (Added filter part numbers)
14	7/31/2015	Revised *Warranty* (Removed 2025 1900 and 2024 1951 labor operations; added 2024 1941; updated TUs)
13	3/5/2015	Revised *Warranty* (Updated service number for NVLD module replacement) Revised *Required Parts and Tools* (Updated part numbers)

- MIL on.
- **DTC P045600** (very small EVAP leak) stored in engine control module (ECM), J623 (address word 01).
- No leaks found in the EVAP system.

Technical Background

Software update needed.

Production Solution

New software in the ECM addressed the condition.

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Service

Note:

Reference the Software Version Management (SVM) table below to determine the appropriate SVM update code. If the existing software is already at the new version levels shown below, and the natural vacuum leak diagnostic (NVLD) pressure switch (A6/A7: J909, A8: G400) has been replaced with the latest part number, contact Audi Technical Assistance (TAC) for further instruction**.**

- Follow all instructions in TSB 2011732, *00 Software Version Management (SVM), operating instructions*.
- Update the ECM using the SVM action code as listed in the table below if necessary.

For A6 and A7:

- If the software level is at 0004 or lower, perform ECM SVM update and replace crankcase pressure regulating valve with part number **06E103547H** (only if SVM code 01A092 was used; the SVM code brings ECM to software level 0007, which needs the 'H' suffix breather valve).
- If **P045600** is stored with software level 0005 (or higher), **only** replace the NVLD pressure switch, J909, and the filter.

For A8:

- If software is already to the latest level, replace the NVLD pressure switch, G400, and the filter. The SVM code 02A031 will update both the ECM and the TCM.

Model	Engine	Old Software Part Number	Old Software Version (or lower)	New Software Part Number	New Software Version (or higher)	SVM Code Input
A6	3.0 TFSI	4G0907551A	0004	4G0907551A	0005	01A092
A7	3.0 TFSI	4G0907551A	0004	4G0907551A	0005	01A092
A8	4.2 FSI	4H0907560A	0006	4H0907560C	0004	02A031

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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:	2470 - Software Update Only		
Damage Code:	0039		
Labor Operations:	**Check software levels (A6, A7, A8)**		
	Check software levels - perform SVM update	2470 2599	40 TU
	Replace crankcase pressure regulating valve (A6, A7)		
	Pressure regulating valve remove+install (reduced for overlap)	1050 1999	50 TU
	Fuel rail remove+install	2441 2091	90 TU
	Compressor remove+install	2114 1941	160 TU
	Fuel system pressure decrease	2003 0050	10 TU
Diagnostic Time:	GFF – Checking and clearing fault codes included in existing labor operations	No allowance	0 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 #2027732/13		

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Claim Type:	Use applicable claim type. If vehicle is outside any warranty, this Technical Service Bulletin is informational only.		
Service Number:	2041 - NVLD Module Replacement		
Damage Code:	0010		
	Replace NVLD pressure switch (A6, A7)		
	NVLD pressure switch remove+reinstall	2041 1950	10 TU
	Activated charcoal filter remove+reinstall	2025 1900	40 TU
	Rear wheel housing liner remove+reinstall (includes time for filter replacement)	6676 1999	40 TU
	Replace NVLD pressure switch (A8)		
	NVLD pressure switch remove+reinstall	2041 1950	30 TU
	Wheel remove+reinstall	4405 1900	20 TU
Diagnostic Time:	GFF – Checking and clearing fault codes included in existing labor operations	No allowance	0 TU
	Check software levels - no SVM update necessary	2470 0199	20 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 #2027732/15		

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.

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Required Parts and Tools

Part Number	Part Description	Quantity
8K0906253L	NVLD control module - J909	1
8K0906253H	NVLD control module - G400	1
8R0906621E	Filter (For A8)	1
4G0201997BA	Filter (For A6, A7)	1
06E103547S	Crankcase pressure regulating valve	1
06E103213	Vent Tube	1
06E998907E	Repair kit	6
N 90316802	O-Ring Seal	1
079129717B	Seal	6
079129717D	Seal	6
G 013A8J1G	Coolant for top-off	0.3

Additional Information

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

- TSB 2011732, *00 Software Version Management (SVM), operating instructions*.

All part and service references provided in this TSB (2027732) are subject to change and/or removal. Always check with your Parts Dept. and service manuals for the latest information.

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