

Technical Service Bulletin



01 MIL on, DTC P045600 stored in the ECM; small EVAP leak

01 23 50 2044156/5 March 23, 2023. Supersedes Technical Service Bulletin Group 01 number 18-69 dated May 10, 2018, for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A6	2016	000001 – 111348	3.0 TFSI

Condition

REVISION HISTORY		
Revision	Date	Purpose
5	-	Updated <i>Service</i> (updated tools and diagnostic steps)
4	05/10/2018	Revised title Revised <i>Warranty</i> (Added Labor Operation)
3	08/18/2016	Revised <i>Warranty</i> (Updated Damage Code)

Workshop findings:

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

- **DTC P045600** (Small EVAP leak).

Technical Background

Rubber O-ring at tank filler neck is out of position.

Production Solution

Improved rubber O-ring support.

Service

1. Before proceeding, ensure that the gas cap was tight, and that the DTC is present.
2. Test for a leak by first calibrating tester KLI9210 and/or WV622N-VWKIT to 0.02 inch port with 14 inch/water as described on the tester. Set marker on flow meter to this position and take a picture for documentation.



3. Block off the filter port on the NVLD sensor (Figure 1).



Figure 1. Block the filter port on the NVLD sensor.

4. Connect the tester to the vehicle and pressurize the system (3–5 minutes).
5. Take a picture of the flow meter.
6. Remove the purge line from the N80 valve.
7. Generate smoke with the smoke function of the KLI9210 or WV622N-VWKIT tester until smoke comes out of the purge line on the N80 side.
8. Smoke EVAP system under pressure.
9.
 - If smoke is escaping around the filler neck of the fuel tank (wheel liner removed) replace fuel tank (Figure 2).
 - If no smoke can be detected at the filler neck of the fuel tank, proceed with normal leak diagnosis.



Figure 2. Check for smoke escaping around the filler neck.

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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:	2010		
Damage Code:	0050		
Labor Operations:	Fuel tank remove + reinstall	2010 1950	160 TU
	Remove + reinstall sender and pump	2010 5550	90 TU
	Rear axle remove + reinstall	4205 19XX	See Elsa
	Brake system bleed	4701 0750	30 TU
	Leak test and smoke EVAP system	2010 1999	20 TU
Diagnostic Time:	GFF – Checking and clearing fault codes	0150 0000	20 TU
	Road test before service procedure	No allowance	0 TU
	Road test after service procedure	0121 0004	10 TU
Claim Comment:	As per TSB 2044156/5		

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
4G0201060CB	Fuel Tank	01
N 10500802	Bolt	02
1J0919133B	Seal	01
WHT004756A	Bolt	02
WHT005800	Bolt	02
N 10772201	Clip	01

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N 10719001	Bolt	06
4G0201317	Seal	01

Additional Information

All parts and service references provided in this TSB (2044156) are subject to change and/or removal.

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