Technical Service Bulletin

20 MIL on (DTC P0451) and/or refueling issue

20 18 97 2050276/1 February 2, 2018.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A6, A7	2016	All	3.0T
A6, A7	2017	000001 - 055271	3.0T

Condition

Customer has one or more of the following concerns:

- Customer has problems filling the fuel tank (fuel nozzle keeps clicking off).
- MIL may be illuminated.

Workshop findings:

- Water and/or ice is found in the activated carbon filter reservoir and natural vacuum leak detection (NVLD) pressure switch.

One or more of the following DTCs is found in the engine control module (ECM), J623 (address word 0001):

- **DTC P0451** (pressure sensor for tank ventilation system, implausible signal)
- **DTC P0441** (tank ventilation system, through-flow faulty)

Technical Background

Water enters through the tank ventilation system. The water can flow through the NVLD pressure switch into the activated charcoal filter and freeze in cold temperatures.

Production Solution

Not applicable.

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Service

1. Remove activated charcoal filter, ventilation tube, and NVLD pressure switch.
   Remove all components mounted on charcoal filter.
2. Weigh activated charcoal filter:
   - If it weighs more than 2600 grams, replace the activated charcoal filter + attached filter, ventilation tube (Figure 1), and NVLD pressure switch.
   - If it weighs less than 2600 grams, replace the ventilation tube (Figure 1) and the NVLD pressure switch.



Figure 1. *Ventilation tube of the activated charcoal filter.*

3. Install updated wheel liner.

Warranty

Claim Type:	• 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:	2041		
Damage Code:	0010		
Labor Operations:	Wheel housing liner remove + reinstall	6676 1900	40 TU
	Ventilation tube with filter remove + reinstall	2048 1912	10 TU
	Activated charcoal filter remove + reinstall	2025 1900	40 TU (If necessary)
	NVLD pressure switch remove + reinstall	2041 1950	10 TU

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Diagnostic Time:	GFF – Checking and clearing fault codes included in existing labor operations	0150 0000	Time stated on diagnostic protocol (Max 10 TU)
	Road test prior to service procedure	No allowance	0 TU
	Road test after service procedure	No allowance	0 TU
Claim Comment:	As per TSB #2050276/1		

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

Part Number	Part Description	Quantity
4G0201997BD	Ventilation tube with filter	01
8K0906253L	NVLD pressure switch	01
4G0201801D	Activated charcoal filter	01 (If necessary)
4G0810171B	Wheel liner	01
8R0201232E	Filter	01 (if necessary)

Tool Number	Tool Description	Quantity
Not Applicable	Digital scale (locally obtained)	01

Additional Information

All parts and service references provided in this TSB (2050258) are subject to change and/or removal. Always check with your Parts Department and service manuals for the latest information. Please check the Repair Manual for fasteners, bolts, nuts, and screws that require replacement during the repair.

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