

# Technical Service Bulletin



**01 MIL on, EVAP pressure/temp sensor incorrect DTC displayed: P202400, P045000, P045200, P24D600, P24D800, P2B7B00**

01 23 57 2069531/1 April 24, 2023.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A4 allroad, A4, S4, A5, A5 Cabriolet, A5 Sportback, S5, S5 Cabriolet, S5 Sportback, RS 5, RS 5 Sportback, A6, A6 allroad, S6, RS 6 Avant, A7, S7, RS 7, A8, S8, Q3, Q5, Q5 e-quattro, SQ5, SQ5 Sportback, Q7, SQ7, Q8, SQ8, and RS Q8	2022 – 2023	All	Not Applicable
A7 e quattro	2022		

## Condition

### Customer statement:

- The MIL light is on in the instrument cluster.

### Workshop findings:

- One of the following DTCs and symptom code combinations are stored in the ECM, J623 (address word 0001):

### 4-cylinder engines

DTC	Symptom	DTC text
P2024	15275	Temperature sensor for tank breather electrical fault
P0453	15299	Tank Ventilation Pressure Sensor signal too high
P0452	15300	Tank Ventilation Pressure Sensor signal too low
P0450	15301	Tank Ventilation Pressure Sensor



P0451	15302	Tank Ventilation Pressure Sensor implausible signal
P24D7	34281	Tank Ventilation Pressure Sensor 2 short circuit to earth
P24D8	34282	Tank Ventilation Pressure Sensor 2 short circuit to positive

## V6/V8 engines

DTC	Symptom	DTC text
P24D6	34275	Tank Ventilation Pressure Sensor 2 implausible signal
P24D6	34276	Tank Ventilation Pressure Sensor 2 implausible signal
P2B7B	34307	Tank Ventilation Pressure Sensor 3 implausible signal
P2B7B	34308	Tank Ventilation Pressure Sensor 3 implausible signal
U0641	34080	Tank Ventilation Pressure Sensor no communication
P0450	34082	Tank Ventilation Pressure Sensor

## Technical Background

An incorrect DTC may be logged in the ECM. This can lead to it not being possible to solve the problem in Guided Fault Finding. The correction for this can be found in the table under "Measure".

## Production Solution

Not Applicable

## Service

The **Logged DTC shown** is in the table on the left and the correct test DTC **that should be shown** is in the table on the right.

For clarification/explanation, please see the example below.

### 4-cylinder engines

Logged in event memory	Test to be conducted (GFF)
------------------------	----------------------------

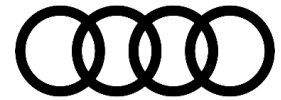


DTC	Symptom	Event memory entry text (service)	DTC	Symptom	Event memory entry text (service)
P2024	15275	Temperature sensor for tank breather electrical fault	P2026	44092	Temperature sensor for tank breather voltage too low (J909)
P0453	15299	Tank Ventilation Pressure Sensor signal too high	P24D8	44044	Tank Ventilation Pressure Sensor 2 short circuit to positive (G400)
P0452	15300	Tank Ventilation Pressure Sensor signal too low	P24D7	44037	Tank Ventilation Pressure Sensor 2 short circuit to earth (G400)
P0450	15301	Tank Ventilation Pressure Sensor	P24D5	44036	Tank Ventilation Pressure Sensor 2 electrical fault (G400)
P0451	15302	Tank Ventilation Pressure Sensor implausible signal	P24D6	44038	Tank Ventilation Pressure Sensor 2 implausible signal (G400)
P24D7	34281	Tank Ventilation Pressure Sensor 2 short circuit to earth	P0452	44112	Tank Ventilation Pressure Sensor signal too low (G950)
P24D8	34282	Tank Ventilation Pressure Sensor 2 short circuit to positive	P0453	44116	Tank Ventilation Pressure Sensor signal too high (G950)

## V6/V8 engines

Logged in event memory			Test to be conducted (GFF)		
DTC	Symptom	Event memory entry text (service)	DTC	Symptom	Event memory entry text (service)
P24D6	34275	Tank Ventilation Pressure Sensor 2 implausible signal	P0451	44126	Tank Ventilation Pressure Sensor implausible signal (G950)
P24D6	34276	Tank Ventilation Pressure Sensor 2 implausible signal	P0451	44127	Tank Ventilation Pressure Sensor implausible signal (G950)
P2B7B	34307	Tank Ventilation Pressure Sensor 3 implausible signal	P24D6	44161	Tank Ventilation Pressure Sensor 2 implausible signal (G950)
P2B7B	34308	Tank Ventilation Pressure Sensor 3 implausible signal	P24D6	44162	Tank Ventilation Pressure Sensor 2 implausible signal (G950)
U0641	34080	Tank Ventilation Pressure Sensor no communication	U01C4	44102	Tank Ventilation Pressure Sensor 3 no communication (GX49)

# Technical Service Bulletin



P0450	34082	Tank Ventilation Pressure Sensor	P2B7A	44104	Tank Ventilation Pressure Sensor 3 electrical fault (GX49)
-------	-------	----------------------------------	-------	-------	--

## Example on a V6 engine:

If the DTC *P24D6 with symptom 34275 - "Tank Ventilation Pressure Sensor 2 implausible signal"* is logged, run Guided Fault Finding test plan for DTC *P0451 with symptom 44126 - "Tank Ventilation Pressure Sensor implausible signal – (G950)"* on component G950.

## Warranty

<b>Claim Type:</b>	<ul style="list-style-type: none"><li>• 110 up to 48 Months/50,000 Miles.</li><li>• G10 for CPO Covered Vehicles – Verify Owner.</li><li>• If the vehicle is outside of any warranty, this Technical Service Bulletin is informational only.</li></ul>		
<b>Service Number:</b>	2041		
<b>Damage Code:</b>	0040		
<b>Diagnostic Time:</b>	GFF– Checking and clearing fault codes included in existing labor operations	0150 0000	Time stated on the diagnostic protocol (Max 50 TU)
<b>Claim Comment:</b>	As per TSB 2069531/1		

## Additional Information

All part and service references provided in this TSB (**2069531**) are subject to change and/or removal. 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.

©2023 Audi of America, Inc. All rights reserved. The information contained in this document is based on the latest information available at the time of printing and is subject to the copyright and other intellectual property rights of Audi of America, Inc., its affiliated companies, and its licensors. All rights are reserved to make changes at any time without notice. No part of this document may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, nor may these materials be modified or reposted to other sites, without the prior expressed written permission of the publisher.