



# Technical Service Bulletin

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20 Fuel level is implausible and/or vehicle judders, DTCs P008700, P046100, P014800, or P310B00 may be stored in the ECM

20 22 45 2063377/1 June 9, 2022.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A6, and A7	2019 – 2021	All	Not applicable
A6 allroad, S6, and S7	2020 – 2021		
RS 6 Avant, A7 e quattro, and RS 7	2021		

## Condition

### Customer states:

- The vehicle stops due to a lack of fuel, even though the fuel gauge in the cluster still shows  $\frac{1}{4}$  of a tank or more, and there are miles of range remaining.

### Workshop findings:

- The fuel gauge sender is caught on the fuel line in the main chamber (fuel tank).

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

- **P008700:** Fuel Rail/System Pressure – Too Low.
- **P046100:** Fuel Level Sensor “A” Circuit Range/Performance.
- **P014800:** Fuel Delivery Error.
- **P102F00:** Torque limitation due to fuel pressure.



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- P310B00: Fuel low pressure regulation. Fuel pressure outside specification.

## Technical Background

The fuel level sender can get caught on internal lines inside the fuel tank causing an inaccurate fuel level to be displayed in the cluster (Figure 1).



*Figure 1. Checking the fuel gauge sender.*

## Production Solution

An improved fuel level sender has been implemented in production.



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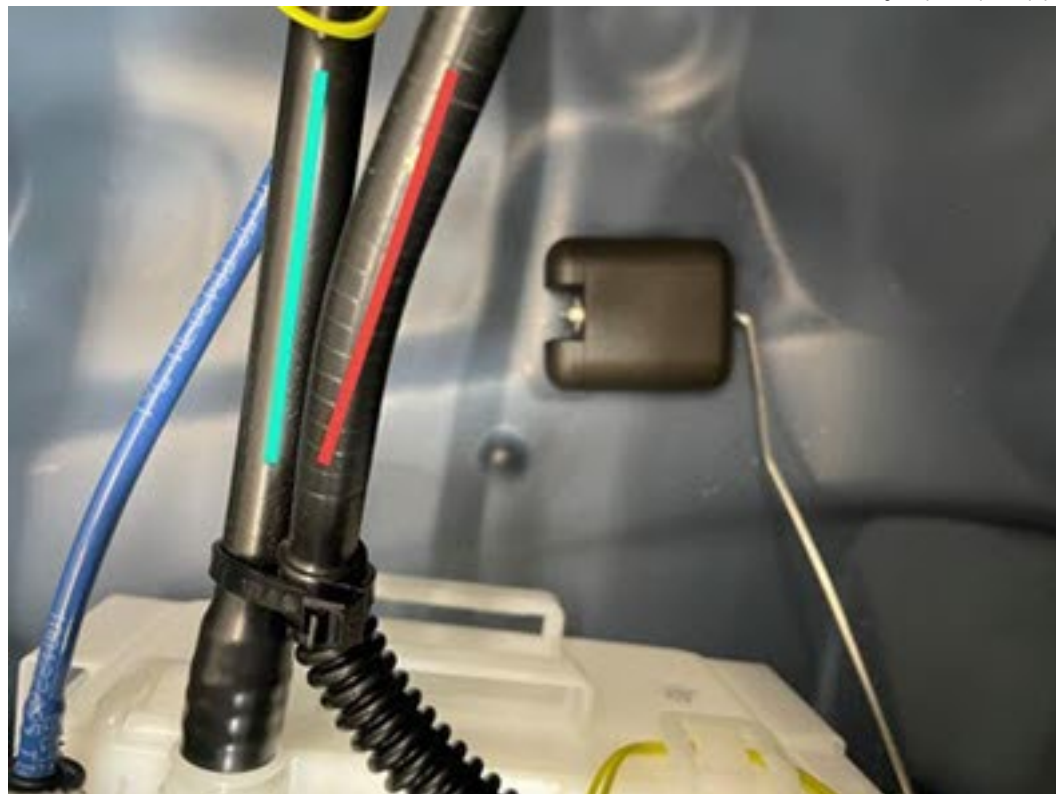
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## Service

1. Remove the fuel pump flange and inspect the inside of the fuel tank for fuel. If no fuel is present, please continue with the procedure outlined below.
2. Install a fuel-resistant cable tie around the suction jet pump supply (green) and the vent (red) lines. When the cable tie is installed, there should be a gap of no more than 5mm between the two internal lines (Figure 2).



**Note:** DO NOT bundle the blue line into the cable tie with the suction jet pump supply and vent lines.



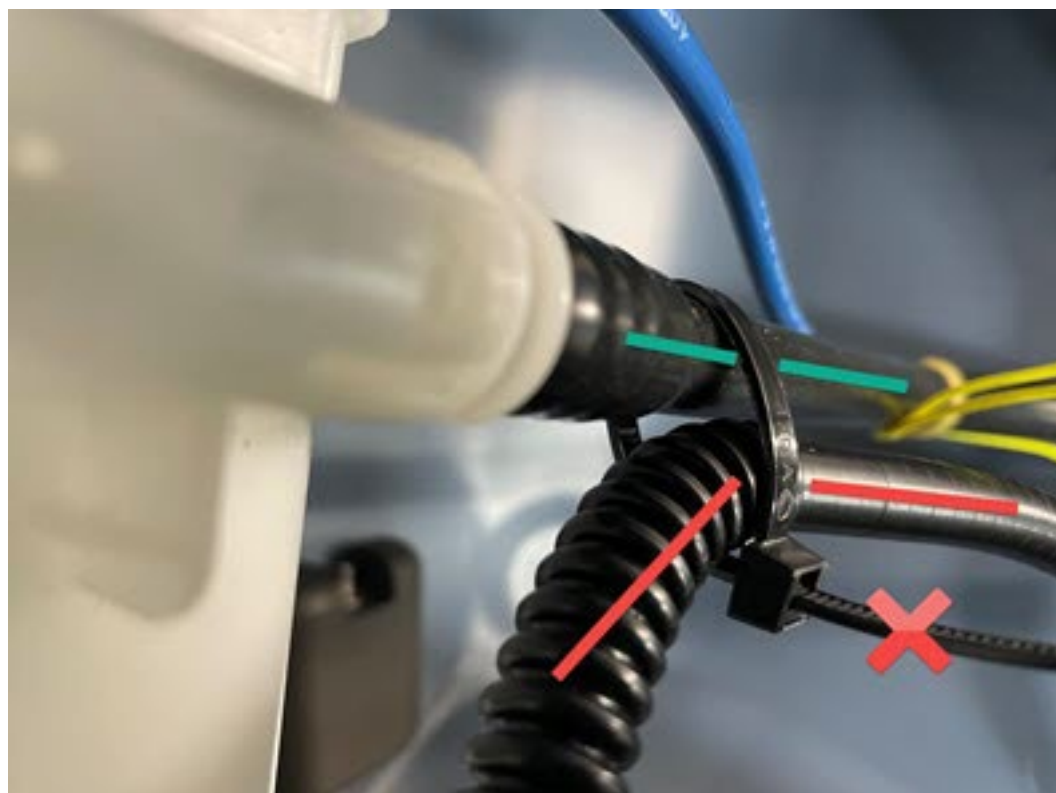
*Figure 2. Suction jet supply and vent lines.*

3. Remove the tail of the cable tie, being careful to ensure the tail does not drop into the tank (Figure 3).



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*Figure 3. Lines with sufficient gap to prevent rubbing. Please ensure you remove the tail of the cable tie carefully.*

## Warranty

Claim Type:	<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 any warranty, this Technical Service Bulletin is informational only.</li></ul>
Service Number:	2015



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<b>Damage Code:</b>	0010		
<b>Labor Operations:</b>	Electric fuel pump removed + reinstalled	2066 1900	See SRT with associated operations
	Install Cable Tie	2066 5999	10 TU
<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)
	Road test prior to the service procedure	No allowance	0 TU
	Road test after the service procedure	0121 0004	10 TU
<b>Claim Comment:</b>	As per TSB 2063377/1		

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

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



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See ETKA	Fuel flange seal	1
Shop Supply	Fuel Resistant Cable Tie	1

## Additional Information

All parts and service references provided in this TSB (2063377) are subject to change and/or removal.

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