



# Technical Service Bulletin

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## 01 Car jerks/bucks or hesitates while driving DTCs P023600, P010600 are stored in the ECM

01 21 98 2062323/1 February 18, 2021.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A6	2018 - 2020	All	2.0TFSI
A6	2021	000001 - 046815	2.0TFSI

## Condition

### Customer states:

- The vehicle feels as if it is hesitating, is low on power or is bucking/jerking while driving.
- The MIL may also be illuminated.

### Workshop findings:

- The yellow wire on the electrical connector of the charge pressure sender is damaged.

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

- **DTC P010600** (Manifold Abs.Pressure or Bar.Pressure Range/Performance).
- **DTC P023600** (Turbocharger Boost Sensor (A) Circ. Range/Performance).

## Technical Background

Due to the routing of the wiring and the length of wiring that is uncovered, the wiring may become damaged due to vibrations.

## Production Solution

Harness is secured in place with textile tape during production.

## Service

If the customer concern and one or more of the faults listed above is present, inspect the wires at the G31 sensor.

If there are no issues found at G31 connector this TSB does not apply. Please proceed with standard diagnosis.



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**Tip:** It may be necessary to disconnect or de-pin the wires from the G31 connector to check for proper crimping and seating of the pins.

If damage is found to the pins or wire at the G31 boost pressure sensor, repair the harness using VAS 1978B (Figure 1).

Please use gold-plated contacts to repair the damaged wire(s) (000 979 025 EA).

Ensure there is sufficient slack in the harness to prevent future issues.



*Figure 1. Wire is broken at G31 sensor.*

Following repairs, the harness must be wrapped with textile tape **N 105 920 02**.

Apply the textile tape starting at the wiring below the connector. Ensure the wires are kept flat to avoid over stressing the pins (Figure 2).





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*Figure 2. Harness is wrapped using textile tape 105 920 02.*

Wrap the tape in the direction of the connector keeping it **flat** (Figure 3).



*Figure 3. Wrapping the connector base.*

The tape must extend far enough to cover the connector base (Figure 4).



*Figure 4. Wrapping the connector base part 2.*



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Continue to wrap the exposed wires down the harness and slightly overlap the existing harness tape (Figure 5).



**Figure 5.** Completed harness wrapping.



**Note:**

Parts replacement does not solve this issue. Claims for replaced parts (e.g. G31 sensor or turbocharger) will be subject to review.

## 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 any warranty, this Technical Service Bulletin is informational only.</li></ul>		
<b>Service Number:</b>	9709		
<b>Damage Code:</b>	0015		
<b>Labor Operations:</b>	Check and repair engine wiring harness	9752 4199	40 TU
<b>Diagnostic Time:</b>	GFF/Guided Functions	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 #2062323/1		

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.



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## 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
N 10592002	Textile Tape	.10
000979025EA	Gold-plated contact	01
000979940	Butt connector	01

Tool Number	Tool Description
VAS 1978B	Wire harness repair set
VAS 6160/VAS 6150	VAS tester with the current version of ODIS (Windows 10)

## Additional Information

All parts and service references provided in this TSB (2062323) are subject to change and/or removal.

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