



Technical Service Bulletin

46 ABS warning light on, DTC C050200 and/or C050800 is stored in the ABS control module

46 20 19 2061331/1 November 18, 2020.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A4, S4, and A4 allroad	2017 - 2020	All	Not Applicable
A4, S4	2021	A000001 – 016973 Or N000001 - 003930	Not Applicable
A4 allroad	2021	000001 - 017347	Not Applicable
A5, A5 Cabriolet, A5 Sportback, S5, S5 Cabriolet, S5 Sportback, RS 5, and RS 5 Cabriolet	2018 – 2020	All	Not Applicable
RS 5 Sportback	2019 - 2020	All	Not Applicable
A5, A5 Cabriolet, A5 Sportback, S5, S5 Cabriolet, and S5 Sportback	2021	T*000001 – 012755 Or B*000001 - 012382	Not Applicable
RS 5, RS 5 Cabriolet, and RS 5 Sportback	2021	A*000001 – 901254 Or N*000001 - 901339	Not Applicable

Condition

Customer states:

- There is an ABS warning light on in the instrument cluster.

Workshop findings:

One or more of the following DTC(s) may be stored as static or sporadic in the ABS control module, J104 (address word 0003):



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- **DTC C050200** (front left wheel speed sensor Short circuit to ground).
- **DTC C050800** (front right wheel speed sensor Short circuit to ground).

Technical Background

The ABS sensor wire may not be properly crimped to the pin of a front wheel speed sensor connector.

Production Solution

Improved crimping process of the wheel speed and brake pad harness.

Service

If one of the DTCs described above is found in the ABS control module, then follow the instructions below for replacing the harness.



Note:

If the wire is crimped properly then this TSB does not apply. Please continue with normal diagnosis.

1. Ensure the strands of the wire are protruding past the crimp sleeve (Figure 1).

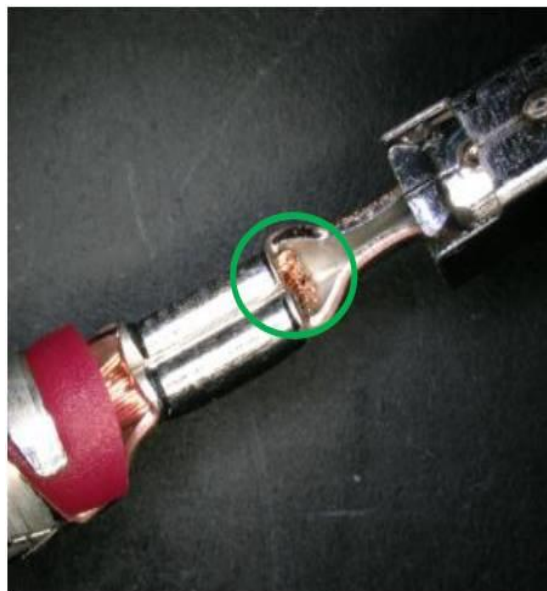


Figure 1. Properly crimped wire.



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2. If the wire is found to be improperly crimped, then replace the affected harness for the front speed sensor and brake pad wear indicator (Figure 2).

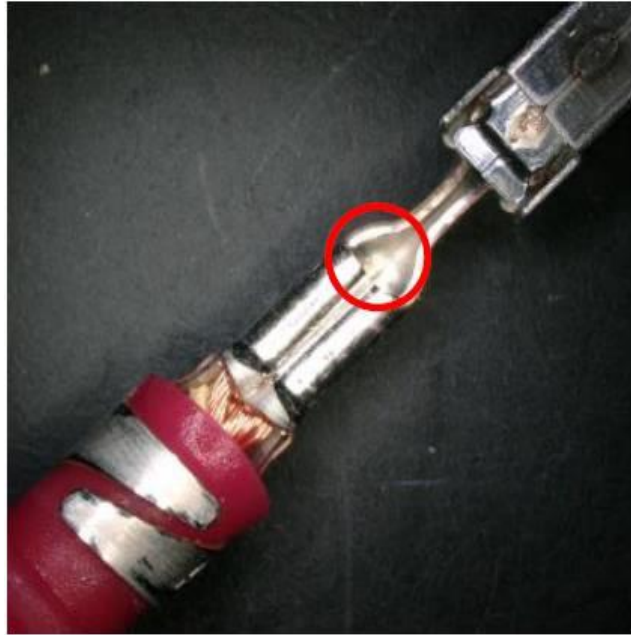


Figure 2. Improperly crimped wire.

3. ETKA illustration 927-010 can be used to determine the harness needed (Figure 3).

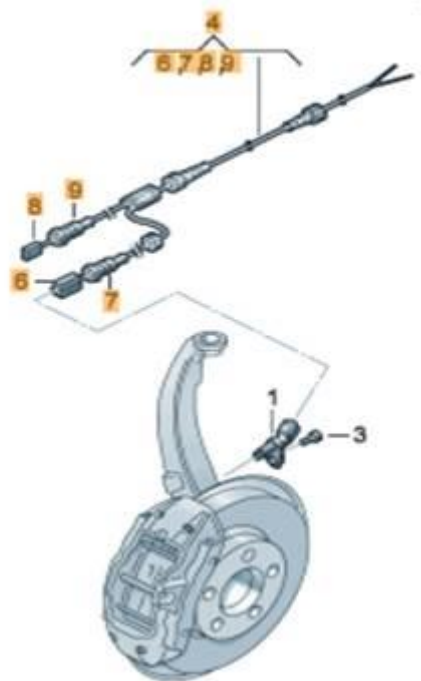


Figure 3. ETKA image of harness.



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Warranty

Claim Type:	• 110 up to 48 Months/50,000 Miles. • G10 for CPO Covered Vehicles – Verify Owner. • If the vehicle is outside any warranty, this Technical Service Bulletin is informational only.		
Service Number:	• Left : 9715 • Right: 9716		
Damage Code:	0021 for left or right		
Labor Operations:	Remove and install wheel	4405 1900	See SRT with associated operations
	Remove and install front wheel arch liner	6616 1999	20 TU
	Check front wiring harness	9715 0199	10 TU
	Remove and install front wiring harness (includes loosening of the engine control unit and coolant expansion tank if needed)	9715 1999	30 TU
Diagnostic Time:	GFF	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
Claim Comment:	As per TSB #2061331/1		

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
See ETKA	Repair kit for front speed sensor and brake pad wear indicator	01 (if needed)

Additional Information

All parts and service references provided in this TSB (2061331) are subject to change and/or removal.

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