



Technical Service Bulletin

93: DTC(s) P0A4000, P0A2E00 or P0A2B00 stored in the Electric Drive Control Module

93 22 69 2066596/1 March 25, 2022.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A7 e quattro	2021 – 2022	All	Not Applicable

Condition

Customer states:

- Check Engine Light is on.

and/or

- Electrical Drive Malfunction displayed in the instrument cluster.

and/or

- Gearbox Malfunction Warning displayed in the instrument cluster.

Workshop findings:

The following DTC may be stored Electric Drive Control Module, J841 (address word 0051):

DTC P0A4000: Drive Motor "A" Position Sensor Circuit Range/Performance

and/or

DTC P0A2E00: Drive Motor "A" Temperature Sensor Circuit Intermittent

and/or

DTC P0A2B00: Drive Motor "A" Temperature Sensor Circuit Range/Performance.

Technical Background

Contact abrasion in connector T6bm / T6bmX.

Production Solution

Not Applicable.

Service



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If one or more of the DTC entries specified above are logged in the Electric Drive Control Module, J841 (address word 0051), proceed as follows:

1. Check on the transmission bracket whether connector T6bm is installed at the top or the bottom of the bracket. The six-pin connector must be installed in the bottom position and the fourteen-pin connector T14k must be installed at the top.
2. If the connectors are in the wrong position (Figure 1), install them in the correct position (Figure 2).



Figure 1. Connectors in the wrong position.



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Figure 2. Connectors in the correct position.

3. To fix the complaint, unplug the six-pin connector and check the pins. If you do not identify any irregularities on the pins, plug the connector back in. Then erase all DTC memory entries and perform an extensive road test. If the complaint does not reoccur, the vehicle can be returned to the customer and the repair is done. Unplugging the connector and plugging it back in again renews the contact between the pins. This improves the contact resistance and should resolve the complaint. However, if the complaint reoccurs during the road test proceed to step 4.
4. If the complaint reoccurs or this TSB has been performed in the past, replace all the pins in the six-pin connectors T6bm / T6bmx with gold-plated pins from VAS 1978B wiring repair kit. Delete all DTC and confirm the repair with a test drive.

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.
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Service Number:	9781		
Damage Code:	0040		
Labor Operations:	Check and adjust wiring harness for gearbox	9781 0599	25 TU
	Repair wiring harness (if step 4 is required)	9709 4165	See SRT with associated operations
Diagnostic Time:	GFF	0150 0000	Time stated on diagnostic protocol (Max 50 TU)
	Road test prior to service procedure	No allowance	0 TU
	Road test after service procedure	0121 0004	10 TU
Claim Comment:	As per TSB 2066596/1		

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
000979022 EA	1 set of repair wires gold plated 0.5 mm (Male)	01
000979021 EA	1 set of repair wires gold plated 0.5 mm (Female)	01

Additional Information

All parts and service references provided in this TSB (**2066596**) are subject to change and/or removal.

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