



Technical Service Bulletin

93: High-Voltage fault, gearbox fault or MIL on in the instrument cluster DTC(s) P0A4000, P0A2E00 or P0A2B00

93 24 00 2066596/2 July 31, 2024. Supersedes Technical Service Bulletin Group 93 number 22-69 dated March 25, 2022 for reasons listed below.

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

Condition

REVISION HISTORY		
Revision	Date	Purpose
2	-	Revised title (Updated verbiage) Revised <i>Condition</i> (Updated workshop findings) Revised <i>Technical Background</i> (Updated with production date) Revised <i>Service</i> (Updated repair instructions) Revised <i>Warranty</i> (Updated labor operations) Revised <i>Required</i> parts and tools (Updated Parts needed)
1	03/26/2022	Initial publication

Customer states:

Check Engine Light is on.

and/or

High-voltage fault is displayed in the instrument cluster.

and/or

Gearbox Malfunction Warning displayed in the instrument cluster.

Workshop findings:

The following DTC is/are stored Electric Drive Control Module, J841 (address word 0051):

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

AND

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

And/or

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





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If only the DTC “P0A400: Drive Motor “A” Position Sensor Circuit Range/Performance” is set in the J841 Electric Drive Control Module please check if TSB: 2074662 applies before continuing.

- If gold contacts have already been installed and the complaint reoccurs this TSB does not apply and TSB: 2074662 is to be used.

Technical Background 1

Contact abrasion in connector T6bm / T6bmx.

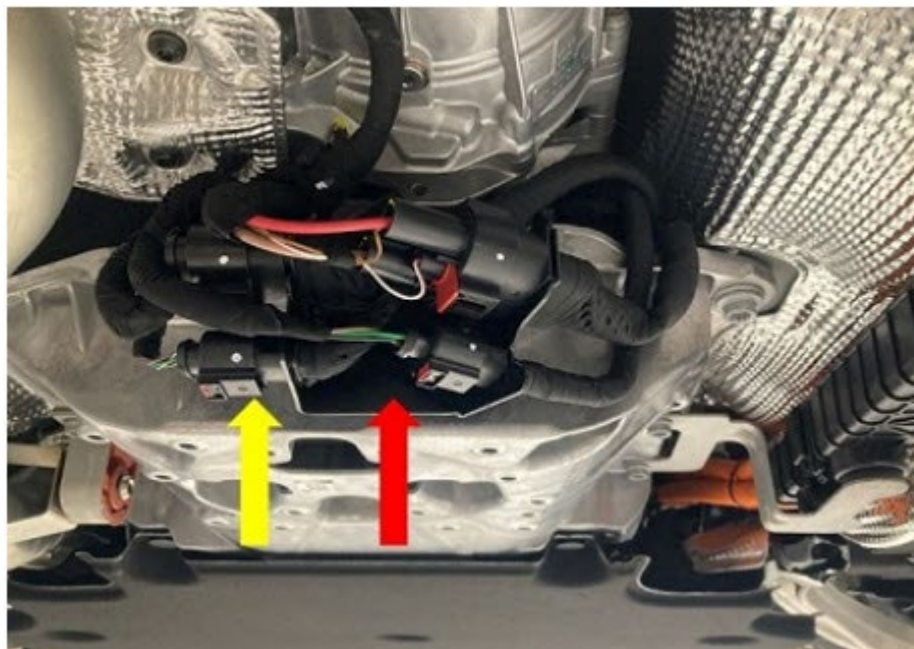
Production Solution

Optimized gearbox coupling point fitted in vehicles manufactured from 03/14/2024 onwards.

Service

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

1. Replace the connector housing bracket installed in the vehicle with the new bracket 8W0.971.502.AL (Figure 1 red arrow).
2. Replace the connector at the coupling point T6bm/T6bmx with 3B0.973.813 and 4H0.973.713.G (Figure 1 yellow arrow).
3. Replace all the pins in the new connector and mating connector with gold-plated pins using the wiring harness set VAS 1978B/C.
4. For modified connector 3B0.973.813, use single wires 000.979.041.EA and for connector 4H0.973.713.G use single wires 000.979.025.EA.





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Figure 1. Connector locations.

Then erase all DTCs and perform an extensive road test before evaluating the complaint.

Warranty

Claim Type:	If the vehicle is outside any warranty, this Technical Service Bulletin is informational only.		
Service Number:	9781		
Damage Code:	0040		
Labor Operations:	Convert wiring harness	9709 3199	30 TU
	Repair wiring harness	9709 4165	See SRT with associated operations
	Replace 2 connector housings	9709 5599	10 TU
Diagnostic Time:	GFF	0150 0060	Time stated on diagnostic protocol
	Road test prior to service procedure	No allowance	0 TU
	Road test after service procedure	0121 0004	10 TU
Claim Comment:	As per TSB 2066596/2		

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
8W0.971.502.AL	Bracket	01
3B0.973.813	Connector	01
4H0.973.713.G	Connector	01
000.979.041.EA	1 set of repair wires gold plated 0.5 mm	03



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000.979.025.EA	1 set of repair wires gold plated 0.5 mm	03
4B0972740	Single wiring seal	12
00979940	Butt connector	12

Additional Information

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

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