



Technical Service Bulletin

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

93 24 14 2066596/3 September 18, 2024. Supersedes Technical Service Bulletin Group 93 number 24-00 dated July 31, 2024 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
3	-	Revised <i>Condition</i> (Updated Workshop findings)
2	07/31/2024	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

OR

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

And/or

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



Technical Service Bulletin

NOTICE

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 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.



Technical Service Bulletin

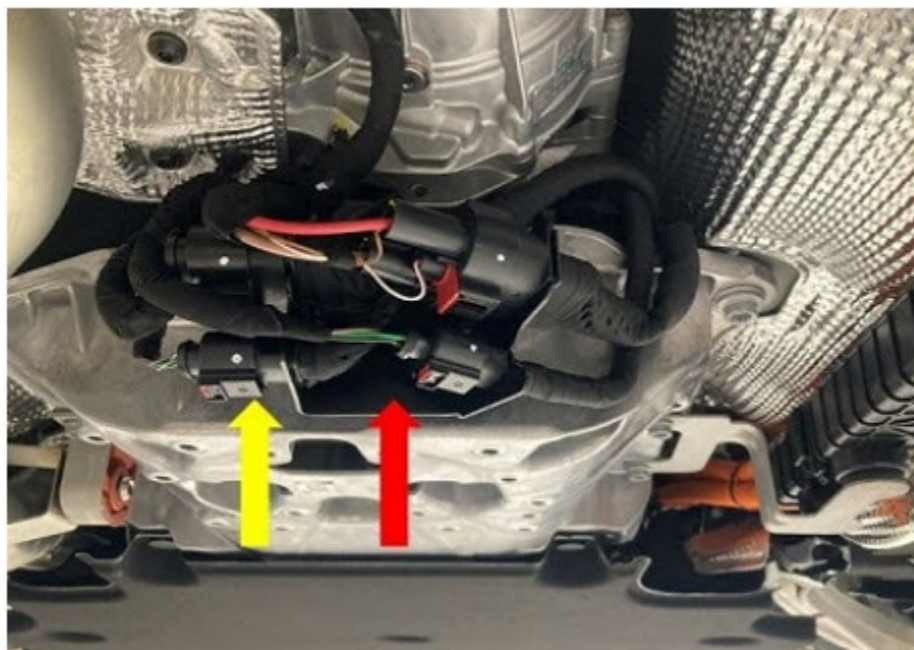


Figure 1. Connector locations.

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
	GFF	0150 0060	Time stated on the 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 2066596/3		



Technical Service Bulletin

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
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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