

Technical Service Bulletin

93 MIL on, DTC P0E9700 is stored in the electric drive power and control electronics

93 24 95 2063043/2 July 31, 2024. Supersedes Technical Service Bulletin Group 93 number 21-54 dated August 30, 2021 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
Q5 e quattro	2020 – 2021	All	Not Applicable
A7 e quattro	2021		

Condition

REVISION HISTORY		
Revision	Date	Purpose
2	-	Revised <i>Warranty</i> (Updated Labor Operations) Revised <i>Condition</i> (Updated Workshop findings)
1	08/30/2021	Initial publication

Customer states:

The MIL is on.

Workshop findings:

The following DTC is/are sporadically stored in the electric drive power and control electronics, J841 (address word 0051):

DTC P0E9700 (DC/DC Converter Voltage Sensor "C" Circuit Range/Performance) with symptom code 45146 (Figure 1).

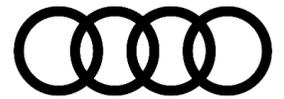
DTC memory entry

Number:	P0E9700: DC/DC Converter Voltage Sensor "C" Circuit Range/Performance
Error type 2:	passive/sporadic
Symptom:	45146
Status:	00100110

Figure 1. DTC code with Error type 2 and symptom code.

Technical Background 1

The capacitor tolerance is not currently taken into account. As a result, the relationship between capacity A and capacity B does not meet the specification.



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Production Solution

Not applicable.

Service

If the concern matches the conditions above, the software of the electric drive power and control electronics, J841 (address word 0051) can be updated per the instructions below.

NOTICE

To prevent the high-voltage battery from charging during the software update, the high-voltage charging cable on vehicles with high-voltage components must be unplugged BEFORE the SVM code has been entered. Please note that charging the high-voltage battery during a software update can cause damage to the high-voltage components.

SVM Update Instructions

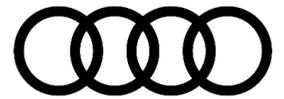
Follow all instructions in TSB 2011732: *00 Software Version Management (SVM), operating instructions.*

Update the electric drive power and control electronics, J841 (address word 0051) using the SVM action code as listed in the table below, if necessary:

Model	Engine and/Transmission	Old Software Part Number	Old Software Version (or lower)	New Software Part Number	New Software Version (or higher)	SVM Code Input
A7	DLGA/0DK	80A907080A	0009	80A907080B	0102	51A003
Q5	DLGA/0DK	80A907080A	0009	80A907080B	0102	51A003

Warranty

Claim Type:	If the vehicle is outside any warranty, this Technical Service Bulletin is informational only.		
Service Number:	9350		
Damage Code:	0040		
Labor Operations:	Software Update (Includes checking for DTCs)	0151 0000	Time stated on the diagnostic protocol



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	Charge battery	2706 8950	See SRT with associated operations.
Diagnostic Time:	GFF	No allowance	0 TU
Claim Comment:	As per TSB 2062034/2		

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.

Additional Information

The following Technical Service Bulletin(s) will be necessary to complete this procedure:

TSB 2011732, *00 Software Version Management (SVM), operating instructions*.

All part and service references provided in this TSB (**2062034**) are subject to change and/or removal. Always check with your Parts Department and/or ETKA for the latest information and parts bulletins. Please check the Repair Manual for fasteners, bolts, nuts, and screws that require replacement during the repair.

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