



Technical Service Bulletin

93 A7/Q5 PHEV Gearbox: drive system fault displayed in instrument cluster (P0A4000)

93 24 20 2074662/2 October 1, 2024. Supersedes Technical Service Bulletin Group 93 number 24-01 dated July 31, 2024 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A7 e quattro	2022	All	Not Applicable
Q5 e quattro	2022 - 2024		

Condition

REVISION HISTORY		
Revision	Date	Purpose
2	-	Revised Service (updated instructions)
1	07/31/2024	Initial publication

Customer states:

- A drive system fault is displayed in the instrument cluster.

and/or

- The vehicle cannot be started.

Workshop findings:

The following event memory entry is logged in electric drive control unit J841 (diagnostic address 0051):

- P0A4000:** Drive Motor "A" Position Sensor Circuit Range/Performance Implausible signal symptom 50954.

Technical Background 1

Deviation from normal condition.

Production Solution

Not applicable.

Service

- Only applies to A7 TFSIe: TSB 2066596 must be performed first. It contains special instructions for this DTC entry in the electric drive control unit J841 (diagnostic address 0051). For this reason, all associated work and



Technical Service Bulletin

the correct installation of the gold-plated pins must be checked. Then proceed as described below for the complaint.

If DTC **P0A4000** with symptom 50954 is present as the only fault in the electric drive control unit J841 (diagnostic address 0051), replace the drive motor position sender 1 G713 (rotor position sensor) according to ELSA.



Please work with great care when installing the rotor position sensor so that the sensitive wires on the gearbox housing are positioned correctly.



Technical Service Bulletin



Figure 1. Wire not fitted correctly

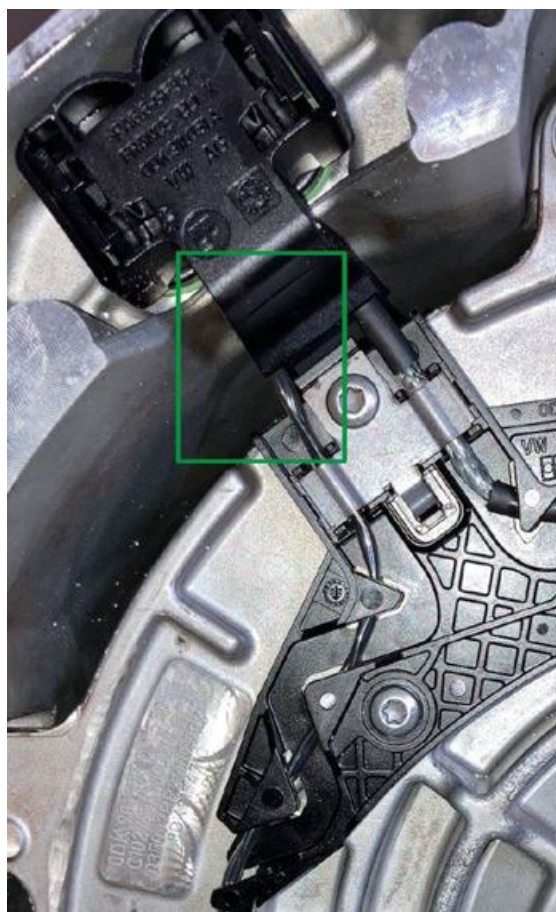


Figure 2. Installation according to Workshop Manual

Try to reproduce the customer complaint (based on the description/cause of the issue), so that it can be clearly assigned to this TSB. The following repair must only be carried out if all the criteria (model/type, chassis number, engine/motor and gearbox code, PR number(s), part number, software version, code etc.) apply exactly. Otherwise, this solution will not eliminate



Technical Service Bulletin

the problem, and repeat repairs may be necessary. In such a case, we may reject the warranty claim and charge back the cost of the parts.

Warranty

Claim Type:	If the vehicle is outside of any warranty, this Technical Service Bulletin is informational only.		
Service Number:	9344		
Damage Code:	0040		
Labor Operations:	Remove and install rotor position sensor	9344 1950	See SRT with associated operations
	GFF	0150 0060	Time stated on the diagnostic protocol
	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 2074662/2		

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

Part Number	Part Description	Quantity
See ETKA	Fasteners, Bolts, Nuts, and Screws as needed per the Repair Manual	See ETKA/ELSA
See ETKA	Rotor position sender 1	01

Additional Information

All parts and service references provided in this TSB (**2074662**) are subject to change and/or removal.

©2024 Audi of America, Inc. All rights reserved. The information contained in this document is based on the latest information available at the time of printing and is subject to the copyright and other intellectual property rights of Audi of America, Inc., its affiliated companies, and its licensors. All rights are reserved to make changes at any time without notice. No part of this document may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, nor may these materials be modified or reposted to other sites without the prior expressed written permission of the publisher.



Technical Service Bulletin
