



Technical Service Bulletin

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

93 24 01 2074662/1 July 31, 2024.

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

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: First check whether the existing TSB 2066596 has been performed. If this is not the case, TSB 2066596 must be completed.

If TSB 2066596 has already been completed, proceed according to the following instruction:

- **If no other causes can be detected, replace drive motor rotor position sender 1 G713 (rotor position sensor) according to Workshop Manual.**



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

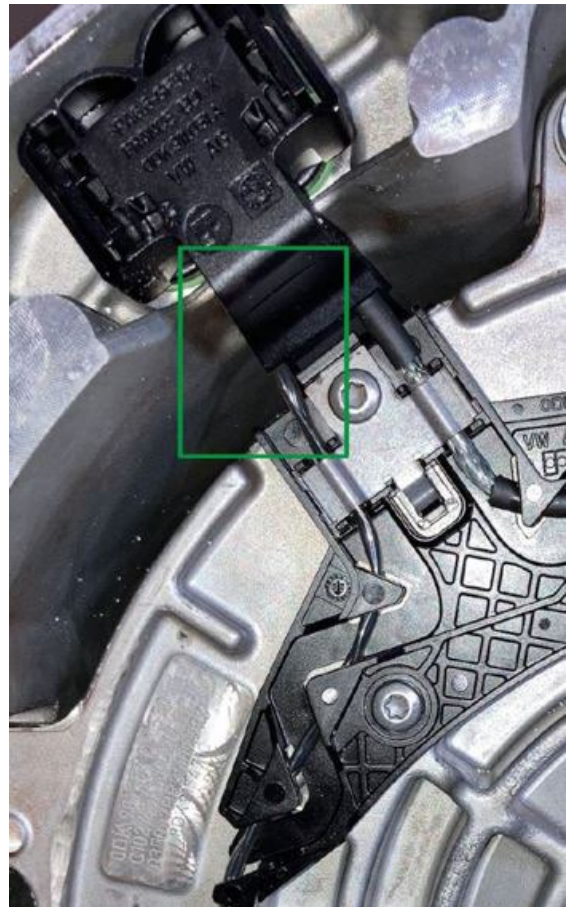


Figure 2. Installation according to Workshop Manual

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: | <ul style="list-style-type: none"> 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 |
| Diagnostic Time: | 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 2074662/1 | | |

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

| 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.