

Technical Service Bulletin

| | |
|------------------------|--|
| Topic | 28 Engine: intermediate shaft - Intermediate Shaft Speed Sensor, no signal, P0793 - 2.5L. 5-cyl. |
| Market area | United States 444 Volkswagen of America, Inc. (6444) |
| Brand | Audi |
| Transaction No. | 2077641/1 |
| Level | EH |
| Status | Released for publishing |
| Release date | Apr 15, 2025 |

Diagnostic trouble codes

| Diagnostic address | Diagnostic trouble code | Fault symptom | Storage state |
|---------------------------|--|---------------|---------------|
| 0001 - Engine electronics | P079300: Intermediate Shaft Speed Sensor "A" Circuit No Signal | | Intermittent |
| 0001 - Engine electronics | P079300: Intermediate Shaft Speed Sensor "A" Circuit No Signal | | static |

New customer code

| Object of complaint | Complaint type | Position |
|---|---|----------|
| information, navigation, communication, entertainment -> indicator display symbols -> EPC indicator display | functionality -> activates | |
| engine -> engine operation -> engine running | functionality -> irregular | |
| engine -> engine operation -> engine start | functionality -> operation sequence incorrect | |

New workshop code

| Object of complaint | Complaint type | Position |
|--|--|----------|
| engine -> operation, engine control -> engine control module | control modules, services -> with fault stored in the DTC memory | |

Vehicle data

RS3

Sales types

| Type | MY | Brand | Designation | Engine code | Gearbox code | Final drive code |
|------|------|-------|-------------|-------------|--------------|------------------|
| 8Y* | 2023 | A | | DXH* | * | * |

Documents

| Document name |
|---------------|
| master.xml |

 Connection offline

Technical Service Bulletin

Transaction No.: **2077641/1**

28 Engine: intermediate shaft - Intermediate Shaft Speed Sensor, no signal, P0793 -
2.5L, 5-cyl.

Release date: Apr 15, 2025

Condition

Customer states:

- The message “Drive system: fault” appears in instrument cluster.
- The engine is not running smoothly.
- The engine is difficult to start.

Workshop findings:

The following DTC and symptom code may be stored in the engine control module -J623-, (address word 0001):

- **DTC P0793:** Intermediate Shaft Speed Sensor, no signal
 - Symptom: 33969.

Technical Background

The valve gear of EA855evo is of 2-stage design and is located on the gearbox side.

In primary drive, the oil pump and the intermediate shaft are driven by the crankshaft via a toothed chain. The intermediate shaft is an assembly part. It drives the camshafts as well as the high-pressure pump for the fuel system and the vacuum pump.

In secondary drive, the camshafts are driven by the intermediate gear via a roller chain.

For detailed information, refer to SSP 661.

Production Solution

Not applicable.

Service



Always use DoIP when flashing a control module via ODIS in supported vehicles.

- **To activate DoIP, select *Administration>>General>>GFF Process>>DoIP communication>>Only allow DoIP communication.***
- **This setting will automatically reset when the diagnostic session has ended.**
- **You can tell if DoIP is active by observing a red LED on the VAS 6154(A).**

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

Update the engine control module (J623) using the SVM action code as listed in the table below, if necessary:

| Model | Diagnostic Address | Old Software Part Number | Old Software Version | New Software Part Number (or higher) | New Software Version (or higher) | SVM Code Input |
|-------|--------------------|--------------------------|----------------------|---|-------------------------------------|----------------|
|-------|--------------------|--------------------------|----------------------|---|-------------------------------------|----------------|

| | | | | | | |
|-----|------|---------------|------|---------------|------|--------|
| RS3 | 0001 | 8Y0 907 404 C | 0001 | 8Y0 907 404 C | 0005 | 01A309 |
| | | | 0003 | | | |

Please update the engine control unit and reassess the customer complaint.

The engine control unit software must be updated on this vehicle. Inform the customer about the software update and ask them whether the engine control unit has been altered by chip tuning. Explain to the customer that updating the engine control unit software renders the chip tuning ineffective. In certain circumstances, the engine control unit may even be damaged by the software update. Ask the customer to clarify with the tuning company in advance whether a software update is possible. Damage to the engine control unit resulting from chip tuning cannot be billed to AUDI AG under warranty. Please refer the customer to the Warranty and Maintenance booklet to learn more about how chip tuning can impact warranty coverage. Explain to the customer that neither AUDI AG nor your company can be held responsible for damage caused by the software update or for damage that occurs as the result of not having the update performed. Make a note to this effect on the order before it is signed by the customer. Include this information in the customer file.

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: | 2470 | | |
| Damage Code: | 0039 | | |
| Labor Operations: | Software update | 0151 0010 | See SRT with associated operations |
| | Software update | 0151 0060 | Time stated on the diagnostic protocol |
| Claim Comment: | As per TSB 2077641/1 | | |

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.

Additional Information

All part and service references provided in this TSB (**2077641**) 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.

©2025 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.