

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



NOTICE

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:	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.

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