



Technical Service Bulletin

27 Power supply: Starter Generator mechanical fault P2BA300 - 4.0L

27 24 81 2075177/2 October 30, 2024. Supersedes Technical Service Bulletin Group 27 number 24-80 dated September 10, 2024 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A8	2019 – 2021	All	Belt-driven starter alternator 48V
S8 and RS Q8	2020 – 2022		
RS 6 Avant, and RS 7	2021 – 2022		

Condition

REVISION HISTORY		
Revision	Date	Purpose
2	-	Revised title (Removed service info, updated information) Revised header (Added additional engine codes) Revised <i>Service</i> (Added repair instructions) Revised <i>Warranty</i> (Added warranty table and instructions)
1	09/10/2024	Initial publication

Customer states:

- Noise (squeaking) when starting the engine.
- When using the Start/Stop feature, the engine restart fails to start the engine. After a short while the vehicle can be started again.

Workshop findings:

The following DTC and symptom code is logged in the Engine Electronics control unit -J623- (diagnostic address 0001):

- DTC P2BA300:** Generator Mechanical Performance - **Symptom: 34766.**



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Technical Background 1

Analyses up until this point have shown that the belt-driven starter-generator does not need to be replaced when this customer complaint occurs and the DTC above is logged, as no irregularities were found on the analyzed components.

In the case of noise complaints (squeaking when starting the engine), the cause of the noise should be sought in the belt/belt tensioner.

Production Solution

Not applicable.

Service

Please do not attempt repairs by replacing belt-driven starter-generator.

Inspect the drive/belt tensioner damper as necessary.

Warranty

Replacing the belt-driven starter-generator does not fix the concern and cannot be billed under warranty.

If the *belt tensioner damper* needs to be replaced, use the billing information as follows:

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:	1373		
Damage Code:	0010		
Labor Operations:	Remove and install belt tensioning damper	1373 19xx	See SRT with associated operations
	Charge Battery	2706 8950	See SRT with associated operations



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	GFF / Guided Functions	0150 0060	Time stated on the diagnostic protocol
Claim Comment:	As per TSB 2075177/2		

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

All part and service references provided in this TSB (**2075177**) 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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