



Technical Service Bulletin

13 Starter/generator drive belt is noisy or came off, DTC P2BA300 may be stored in the ECM

13 24 24 2061461/9 March 8, 2024. Supersedes Technical Service Bulletin Group 13 number 23-20 dated October 13, 2023 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A6	2019 – 2022	All	Not Applicable
A4, A4 allroad, A5, A5 Cabriolet, A5 Sportback, Q5, and Q5 Sportback	2021 - 2023		

Condition

REVISION HISTORY		
Revision	Date	Purpose
9	-	Revised <i>Warranty</i> (Updated Labor Operations) Revised Workshop findings (removed DTC code)
8	10/13/2023	Revised <i>Service</i> (Updated Scenario 1)
7	03/17/2023	Revised header (Added Models/Model Years)

Customer states:

- There is a grinding/squeaking/tweeting noise coming from the engine compartment.

Or

- A message in the driver information system (DIS) displays "Electrical system: Malfunction! Please go to workshop" (if the poly V-belt has fallen off).

Workshop findings:

- The grinding/squeaking/tweeting noise is coming from the poly V-belt (alternator belt).

Or

- The poly V-belt is damaged or has fallen off the wheel roller.

Technical Background

Deviation on the rollers of the belt tensioner.

Production Solution



Technical Service Bulletin

Improved belt tensioner in production.

Service

Scenario 1: Grinding, squeaking, or tweeting noises

1. Let the engine run at idle speed and assess the noise.

An example of the noise can be found in the following video:

<https://audi-external.kzoplatform.com/player/medium/1823282939031459668> (Figure 1).



Figure 1. QR code for supporting video.

2. For final confirmation of the source of the noise, spray the inside of the poly V-belt with a little tap water. One spray blast out of a commercially available water spray bottle is enough. The noise should disappear as a result.
3. If the noise disappears after spraying with water, replace the poly V-belt and belt tensioner. **If a new belt tensioner has already been installed, do not replace it again.**
Replacing the belt-driven starter-generator will not fix the problem.

Scenario 2: Poly V-belt damaged or fallen off

1. Replace the belt tensioner and poly V-belt. **If a new belt tensioner has already been installed, do not replace it again.**

Check for correct belt running alignment after poly V-belt and tensioner replacement as follows:

1. Run the engine at idle speed.
2. The belt must not protrude forward or backward over the roller edge of the tensioner (Figure 2, red marks).



Technical Service Bulletin

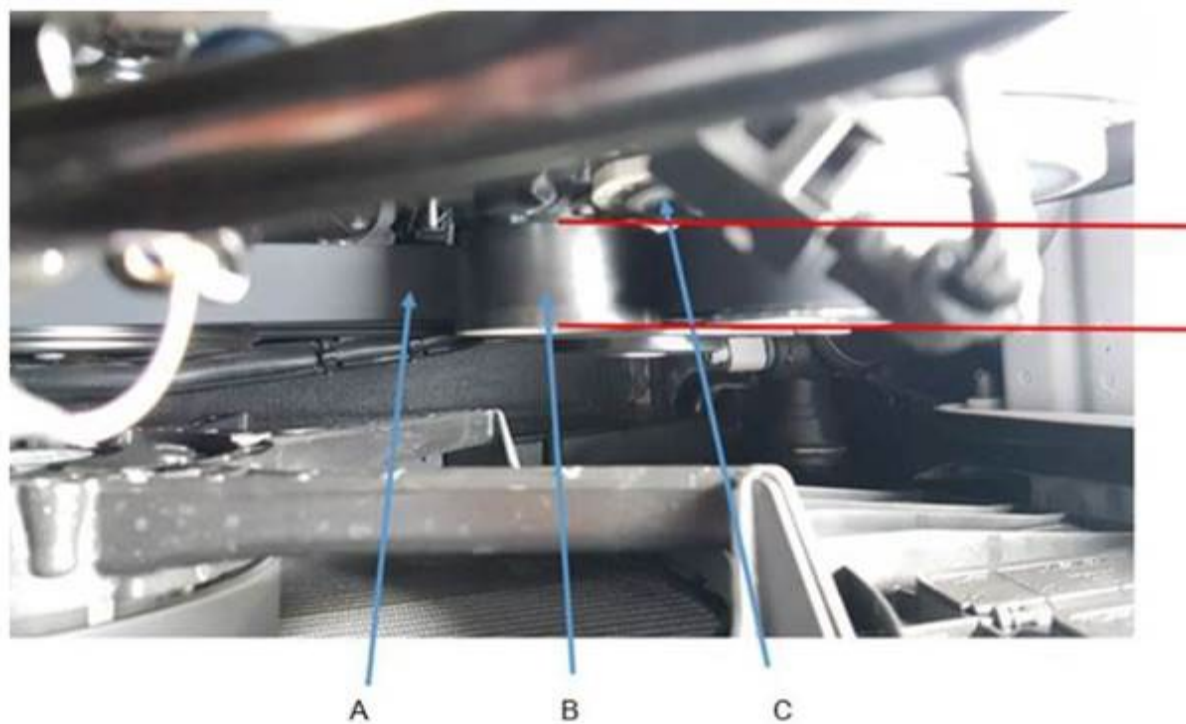


Figure 2. Check to ensure that the poly V-belt is not protruding in either direction.

Explanation of Figure 2 (view from above into the engine compartment):

A = poly V-belt.

B = tensioning roller of the belt tensioner.

Note:

Please ensure that the belt tensioner (including the retaining tab) is not damaged during removal. Damage to the component would make analyzing the parts impossible. In such cases, we may charge back the damaged parts.

Example of damaged parts:



Technical Service Bulletin



Warranty

Claim Type:	<ul style="list-style-type: none"> • 110 up to 48 Months/50,000 Miles. • G10 for CPO Covered Vehicles – Verify Owner. • If the vehicle is outside any warranty, this Technical Service Bulletin is informational only. 		
Service Number:	1373		
Damage Code:	<ul style="list-style-type: none"> • 0020 (Noisy belt). • 0015 (Belt came off). 		
Labor Operations:	Ribbed belt remove + install	1372 1915	See SRT with associated operations
	Belt tension damper remove + install	1373 1965	10 TU
	Check Poly V-Belt run alignment	1372 0199	10 TU
	Road test prior to the service procedure	No allowance	0 TU
	Road test after the service procedure	No allowance	0 TU
Claim Comment:	As per TSB 2061461/9		



Technical Service Bulletin

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

Always check with your Parts Department and/or ETKA for the latest information and parts bulletins.		
Part Number	Part Description	Quantity
See ETKA	Fasteners, Bolts, Nuts, and Screws as needed per the Repair Manual	See ETKA/ELSA
See ETKA	Belt Tensioner	01
See ETKA	Poly-V Belt	01

Additional Information

All part and service references provided in this TSB (**2061461**) 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.