

Technical Service Bulletin

Transaction No.: **2076994/6**

27 Valeo 48V starter generator (BSG) DTC P0A1A00 P19F800 P0A1E00 U014600
U300100 P10F300 P056200 P056100 P065200 P069800

Release date: Jan 5, 2026

Condition

Model(s)	Year(s)	VIN Range	Vehicle Specific Equipment
A8, and Q8	2024 – 2026	All	PR Code 8GK – MHEV with 48V Belt Starter Generator
A6 and A7	2024 – 2025		
A6 allroad, and Q7	2024 – 2026		

REVISION HISTORY		
Revision	Date	Purpose
6	-	Revised header (Corrected models) Revised <i>Condition</i> (Added model table) Revised <i>Service</i> (DTCs and scenario added) Revised <i>Warranty</i> (Scenario claiming added)
5	10/24/2025	Revised header (Added MY26 and software versions) Revised <i>Condition</i> (added customer concerns and workshop findings) Revised <i>Service</i> (Updated verbiage and ETA for further software arrival) Revised <i>Warranty</i> (Updated warranty table)
4	07/31/2025	Revised <i>Service</i> (Updated fault table)

Customer states:

- The engine warning lamp (MIL) is on (Figure 1).

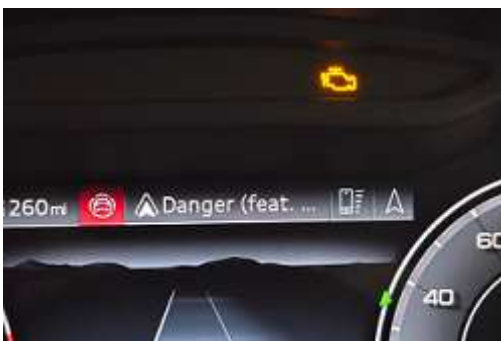


Figure 1. MIL is illuminated.

Workshop findings:

The following DTCs are stored paired in their respective modules during a workshop visit (service/inspection) or while the customer used the car:

Engine Electronics, J623 (address word 0001):

- **U046900:** Alternator control module, implausible signal
- **Other DTCs** – See below

Starter Generator, C29 (address word 00CC):

- **Other DTCs** - See below

Technical Background

The software for the Starter Generator, C29 (address word 00CC) needs to be updated.

Production Solution

New software implemented in production week 07/2025.

Service

This TSB closes PSS 2076029: 27 PSS Valeo 48V Starter Generator (BSG) DTCs P0A1A00 + P19F800.

Please check to see which of the three scenarios apply to the vehicle:

Scenario 1)

- **Starter Generator, C29 (address word 00CC) contains NO P0E0*00 / P2DC* DTC's**

Check whether any of the listed DTCs are logged in the Starter Generator, C29 (address word 00CC) in your specific case. If they are this TSB applies. The software for the Starter Generator, C29 (address word 00CC) must be updated (software part number 4M0.903.028). There is no reason to replace parts as this could lead to repeat concerns.

DTC	Symptom	Measure
U014600	38877	Software Solution 0608 – SVM Code CCA005
U300100	41556	Software Solution 0608 – SVM Code CCA005
P10F300	41572	Software Solution 0608 – SVM Code CCA005
P056100	41825	Software Solution 0608 – SVM Code CCA005
P19F800	38806	Software Solution 0608 – SVM Code CCA005

DTC	Symptom	Measure
P0A1E00	38862	Postpone repair, software solution for 48V BSG with software version 0610 is planned for week 10/2026

P0A1A00	45888	Postpone repair, software solution for 48V BSG with software version 0610 is planned for week 10/2026
P069800	414833, 41832	Postpone repair, software solution for 48V BSG with software version 0610 is planned for week 10/2026
P056200	All	Postpone repair, software solution for 48V BSG with software version 0610 is planned for week 10/2026
P065200	41831, 41826	Postpone repair, software solution for 48V BSG with software version 0610 is planned for week 10/2026

If necessary, from the DTCs above:

1. Follow all instructions in TSB 2011732: *00 Software Version Management (SVM), operating instructions*.
2. Update the Starter Generator, C29 (address word 00CC) using the SVM action code as listed in the table below, if necessary:

Old Software Part Number	Hardware Part Number	Old Software Version	New Software Version (or higher)	SVM Code Input
4M0.903.028	4M0.903.028	0606	0608	CCA005



The software for the starter-alternator control unit must be updated on this vehicle. Please observe the information and instructions under “Additional Information” regarding this.

Scenario 2)

- **Starter Generator, C29 (address word 00CC) contains P0E0*00 / P2DC* DTCs**

There is a hardware issue and the Starter Generator, C29 (address word 00CC) may be replaced.

Do not perform a software update as this could lead to repeat complaints.

Scenario 3)

- **Scenario 2 does not apply and diagnostic address 00CC or functional check C29 contain static P0A1E00 entries**

In this scenario, erase the DTC memory and wait for the system to complete a bus sleep cycle. Reassess the DTC entries. If the P0A1E00 DTC entry remains static, there is a hardware issue and the belt-driven starter-alternator may be replaced.

Do not perform a software update as this could lead to repeat complaints.

Warranty

Unjustified work/replacement parts will be charged back. Invoicing under warranty is not permitted.

Claim Type:	If the vehicle is outside of any warranty, this Technical Service Bulletin is informational only.		
Service Number:	2726		
Damage Code:	Scenario 1: 0039 Scenario 2: 0040 Scenario 3: 0040		
Labor Operations:	Software Update - Only if 48V starter/generator is NOT replaced	0151 0010	See SRT with associated operations
	Software Update - Only if 48V starter/generator is NOT replaced	0151 0060	Time stated on the diagnostic protocol
	Remove and install 48V starter/generator – Only if 48V starter/generator IS replaced	2726 1944	See SRT with associated operations
	Check vehicle (bus sleep cycle) – Only if Scenario 3 is performed	0689 0199	10 TU
Claim Comment:	As per TSB 2076994/6		

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

The software must be updated on a control unit in this vehicle, or the software must be updated on several control units in this vehicle to ensure they function correctly in conjunction with the other control units in the vehicle. Please inform the customer about the software update in question and ask whether they or other third parties have modified the software (e.g. tuning or retrofitting involving modifications to the vehicle's software). Please refer the customer to the *Warranty and Maintenance* booklet to learn more about how chip tuning can impact warranty coverage. Please inform the customer that this software update may neutralize previous modifications to the vehicle's software performed either by the customer or other third parties.

If the customer declines the software update, please inform them that this could lead to issues or restrictions with the use of the vehicle or individual components.

Make a note to this effect on the order before it is signed by the customer. Include this information in the customer file.

All part and service references provided in this TSB (**2076994**) 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.