

Technical Service Bulletin

Topic	27 Valeo 48V starter generator (BSG) DTCs P0A1A00 P19F800
Market area	United States 444 Volkswagen of America, Inc. (6444)
Brand	Audi
Transaction No.	2076994/1
Level	EH
Status	Released for publishing
Release date	Feb 25, 2025

Diagnostic trouble codes

Diagnostic address	Diagnostic trouble code	Fault symptom	Storage state
0001 - Engine electronics	U046900: Invalid Data Received From Starter / Generator Control Module		static
00CC - Starter generator	P19F800: 48-volt vehicle electrical system not available		static

New customer code

Object of complaint	Complaint type	Position
information, navigation, communication, entertainment -> malfunction display symbols -> vehicle electrical system malfunction indicator	functionality -> activates	

New workshop code

Object of complaint	Complaint type	Position
power, vehicle electrical system, data transfer -> power supply -> starter generator	functionality -> no function	

Vehicle data

Q7 and Q8

Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
*	2024	A		DCB*	*	*
*	2025	A		DCB*	*	*

PR numbers

PR numbers
? :with 8GK

Control units

Diagnostic address	Software part number	Software version	Hardware part number	Hardware version
00CC - Starter generator	*4M0*.903.028*	0606	*4M0*.903.028*	*

Documents

Document name
master.xml

Condition

Customer states:

Engine warning lamp (MIL) is on (Figure 1).

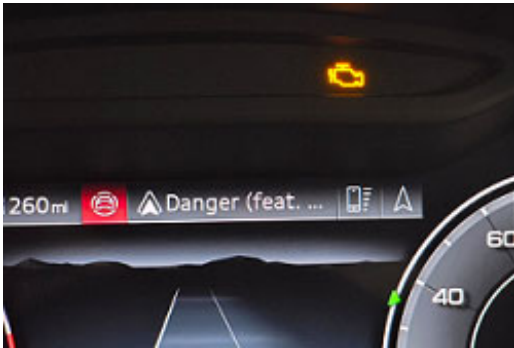


Figure 1. MIL is illuminated.

Workshop findings:

The following DTCs are stored paired in their respective modules:

Engine Electronics, J623 (address word 0001):

- **P0A1A00:** Control module for alternator – **Symptom 45888.**

AND

Starter Generator, C29 (address word 00CC):

- **P19F800:** 48-volt vehicle electrical system not available – **Symptom 38806.**

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.

1. Follow all instructions in TSB 2011732: 00 Software Version Management (SVM), operating instructions.
2. Update the Engine Electronics (J623) 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.

Warranty

Claim Type:	If the vehicle is outside of any warranty, this Technical Service Bulletin is informational only.		
Service Number:	2726		
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 2076029/1		

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

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 (**2076029**) 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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