

Technical Service Bulletin

Topic	93 Q4 drive system fault: power electronics control unit, electric drive P0A1B-41448 (0051), 42297 (00CE)-P18F1
Market area	United States 444 Volkswagen of America, Inc. (6444)
Brand	Audi
Transaction No.	2074703/2
Level	EH
Status	Released for publishing
Release date	Apr 10, 2025

New customer code

Object of complaint	Complaint type	Position
information, navigation, communication, entertainment -> malfunction display symbols -> fault display for electric motor	functionality -> activates	
engine -> power output control	functionality	
information, navigation, communication, entertainment -> malfunction display symbols -> vehicle electrical system malfunction indicator	functionality -> activates	

Vehicle data

Q4

Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
F4*	2022	A		*	*	*
F4*	2023	A		*	*	*
F4*	2024	A		*	*	*

Documents

Document name
master.xml



Connection offline

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Transaction No.: **2074703/2**

93 Q4 drive system fault: power electronics control unit, electric drive P0A1B-41448
(0051), 42297 (00CE)-P18F1

Release date: Apr 10, 2025

Condition

REVISION HISTORY		
Revision	Date	Purpose
2	-	Revised <i>Service</i> (Added relevant campaign and TSB) Revised <i>Warranty</i> (Updated Labor operation.)
1	07/31/2024	Initial publication

Customer states:

- A drive system fault is shown in instrument cluster.
- The vehicle has no power.

Workshop findings:

The customer statement can be reproduced.

The following DTC and symptom code(s) is/are logged in *the Electric drive* -J841-, (address word 0051):

- **P0A1B00:** Power Electronics Control Module, Electrical Drive with symptom **41448**

Or

The following DTCs and symptom code(s) is/are logged in *the Electric drive 2* -J944-, (address word 00CE):

- **P18F100:** Function restriction due to deviating wheel speed with symptom:
 - 42204
 - 42330
 - 42175
- **P0A1B00:** Power Electronics Control Module, Electrical Drive with symptom **42297**.
- **P0C0500** Drive motor phases U-V-W Open circuit with symptom **42237**.

Technical Background

Software issue in electric drive control unit 2 (-JX4-, diagnostic address 00CE).

Production Solution

Optimized software implemented in electric drive control unit 2 (-JX4-, diagnostic address 00CE), software version 8352.

Service

This TSB applies if one of the event memory entries specified above is logged in the relevant control unit together with the relevant symptom number.

Check for service campaign availability depending on current control unit network and perform any open service campaigns if necessary.

- **91EV (update ME 3.2)**
- **91FN (update ME 3.2.1)**
- **TSB 2074069 (update ME 3.5)**

Warranty

Claim Type:	• If the vehicle is outside of any warranty, this Technical Service Bulletin is informational only.		
Service Number:	9370		
Damage Code:	0040		
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 2074703/2		

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 (**2074703**) 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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