

Technical Bulletin



Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
Passat, Passat wagon	2006 - 2007	All	All	All	All

Condition

01 07 47 May 15, 2007 2015075

Update Programming, Electromechanical Parking Brake (EPB), to Prevent False DTCs

After engine start, the warning light for the EPB illuminates.

The fault may also occur during an attempt to retract rear caliper pistons during new brake pad installation.

One or more of the following fault codes may be stored in the EPB control module:

Fault Code	Description
00446 002	Restricted Function Through Low Voltage, Lower Limit Not Reached
00532 002	Supply Voltage, Lower Limit Not Reached
02428 002	Left Parking Brake Motor, Tensioning Force Not Reached -V282- Lower Limit Not Reached
0229 002	Right Parking Brake Motor, Tensioning Force Not Reached -V283- Lower Limit Not Reached
02433 011	Left Parking Brake Motor Power Supply -V282- Disruption
02433 012	Left Power Supply -V282- Electric Fault in Circuit



Note:

DO NOT diagnose or replace EPB system components before performing the update function as explained in this bulletin.

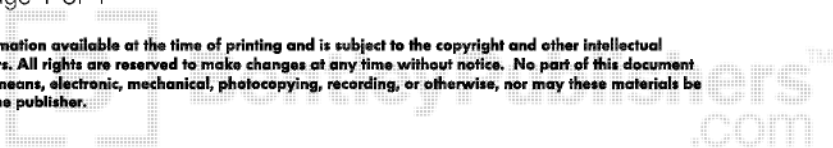
Technical Background

EPB control module responds too sensitively to low voltage conditions.

EPB control module Part No. 3C0907801 suffix B and E are affected.

Production Solution

Improved software installed with less sensitivity to low voltage.



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Service

PROCEDURE:

The following items must be observed during and after the update - programming:

1. VAS 5051/5052 Minimum Base CD Version 10.00.00 and Brand CD V.10.76.00.
2. Parking brake must be released.
3. The parking brake update is performed in several stages.
4. During the first stage, the update may fail. Restart the procedure and it will begin programming.
5. The procedure has to be performed three times to properly update the control module. The program installs three new software levels in sequence, if the update program ends prematurely, restart it.
6. Never interrupt update programming while the status bar displays the progress

Electromechanical Parking Brake Control Module Update - Programming (Flashing) using Software Version Management (SVM)

Vehicle requirements

Battery MUST have minimum no-load charge of 12.5V (failure to maintain voltage during update process can lead to ECM failure) (use an approved battery charger INC940 to maintain battery voltage).

VAS 5051: connected to vehicle and to 110V AC Power supply at all times during procedure.

VAS 5052: connected to vehicle with battery voltage requirements met.

Any appliances with high electromagnetic radiation (i.e. mobile phones) switched OFF.

When performing the update programming procedure, ALL DTCs for all systems are erased.

DTCs linked to Guided Fault Finding function tests will be lost. Therefore, always address stored DTCs for Customer concerns unrelated to the update programming procedure first.



Note:

Non-observance of the following points may lead to ECM failure! VAS 5051 or VAS 5052 must always be connected to the approved power supply at the approved voltages. Under no circumstances should the power supply be interrupted or the diagnostic connector unplugged during the update programming procedure. Any appliances with high electromagnetic radiation (i.e. mobile phones) must be switched OFF.

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Tip:

The SVM Process must be completed in its entirety so the database receives the update confirmation response. A warranty claim may not be reimbursed if there is no confirmation response to support the claim. For further update instructions and troubleshooting, refer to SVM Technical Bulletin Instance 2014603, in ElsaWeb.

- Update the EPB Control Module using the SVM Unit code as listed in the table below:

Old Control Module Part No.	Old Software Version	New Control Module Part No.	New Software Version (or higher)	SVM Unit Code
3C0907801B	0001	3C0907801G	0005	2084
3C0907801E	0003	3C0907801G	0005	2084

The procedure can be found in GFF under Functions/ Component Selection, Software Version Management, Adjust Software.



Tip:

When checking the diagnosis address enter address code 53 - Electromechanical Parking Brake.

After successfully updating the EPB Control Module the following systems must be adjusted in the correct order:

1. Basic settings of Longitudinal acceleration sender -G251-.
2. Basic settings of brake system.
3. Code Control Unit -J540- with AUTO-HOLD function.

Warranty

When procedure applies to vehicles within the applicable Warranties listed, use the following:	
Claim Type:	W2
Part Identifier:	4664
Damage Code:	4664 39 ___ * 1
Labor Operation:	46642599 = 70TU
Diagnostic Time:	No Diagnostic Time Allowed
Claim Comment:	Input "As per Technical Bulletin 2015075" in comment section of Warranty Claim.

* Code per warranty vendor code policy.

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Required Parts and Tools

No Special Tools required.

No Special Parts required.

Additional Information

All part and service references provided in this Technical Bulletin are subject to change and/or removal. Always check with your Parts Dept. and Repair Manuals for the latest information.