

SI42.46-P-0011A	Service Information bulletin: Changes when handling components of Sensotronic Brake Control (SBC)	2.3.09
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MODEL 199, 230  
MODEL 211, 219  
with Sensotronic Brake Control

**Fault code C249F in SBC control unit (A7n/3):**  
The fault code C249F in the SBC control unit does not lead to mandatory replacement of the SBC hydraulic unit.  
In this case the guided test stored in the DAS in which the further procedure is described should be carried out

**Damage type D1 for damage code 43102:**  
If after carrying out test step "Check service life of component A7/3 (SBC hydraulic unit)" the note "Service threshold reached, replace component A7/3 (SBC hydraulic unit)" appears in the DAS, damage code 43102 D1 should be used in order to ensure the correct recording of quality classification numbers.

A printout of the result of test "Check service life of component A7/3 (SBC hydraulic unit)" should be enclosed for the return delivery.

**i** For the return delivery of components it is required to enclose the corresponding accompanying documents (parts return slip with meaningful fitter findings or customer complaint, quick test report, fault memory printout including fault freeze frame data).

Vehicle E-CLASS: 211 (UP TO 05/2006)  
VIN WDB2110066A332950  
Battery voltage 13.0 V  
Report created 14:25 08/12/2011  
Autologic Mercedes software version 2.10.479

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## Modules with faults

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### **CDI3 (CAN) : COMMON RAIL DIESEL INJECTION 3**

*MB no. 646 153 41 79*

**1 Fault**

P2242- (2242- [Stored] No or incorrect can message from control unit A7/3 (Traction  
001 001) system hydraulic unit) Plausibility

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### **ESM : Electric selector module**

*MB no. 211 545 29 32*

**2 Faults**

P2000 (2000) [Stored] The braking torque value sent from the traction system via the can bus is implausible.

P2010 (2010) [Stored] The braking signal sent from the traction system via the can bus is implausible.

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### **espC16B8F : Electronic stability program**

*MB no. 033 545 41 32*

**1 Fault**

C14BE (54BE) [Stored] C14BE System faults : Test SBC control unit (A7/3n1).

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### **SBC : SENSOTRONIC BRAKE CONTROL**

*MB no. 004 431 69 12*

**1 Fault**

C26EE (66EE) [Stored] C26EE Test voltage supply at SBC control unit (A7/3n1).

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### **ICM : Instrument cluster**

*MB no. 211 540 56 11*

**1 Fault**

B1128 (9128) [Stored] THE SUPPLY VOLTAGE OF THE CONTROL UNIT IS TOO LOW (UNDERVOLTAGE).

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### **DCM : Front left door control module**

*MB no. 211 820 15 85*

**1 Fault**

B1211 (9211) [Stored] There is a discontinuity in the line to Mirror heater (M21/1r1) or the component is defective.

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**AGW Audio 20***MB no. 211 820 98 89***1 Fault**

U1147 (D147) [Stored] No or incorrect CAN message from control unit N73 (EIS)

**CDC : Cd changer***MB no. 211 827 55 42***3 Faults**

U1003 (D003) [Stored] Please ignore this fault code

U1001 (D001) [Current and stored] Watchdog error: The control unit has been reset due to an internal error.

U1002 (D002) [Stored] Please ignore this fault code

**Modules without faults**

<b>ECU NAME</b>	<b>MB Number</b>
<b>ETC : Electric transmission control</b>	<i>032 545 14 32</i>
<b>ZGW : Central gateway</b>	<i>211 540 31 45</i>
<b>SDS : System diagnosis</b>	<i>211 445 00 07</i>
<b>EIS : Electronic ignition system</b>	<i>211 545 10 08</i>
<b>SRS : Airbag ARMADA</b>	<i>211 820 33 85</i>
<b>BCM : Battery control unit</b>	<i>211 540 69 45</i>
<b>OCP : Overhead control panel</b>	<i>211 820 42 01</i>
<b>DR-SAM : DRIVER SIGNAL ACQUISITION AND ACTUATION MODULE</b>	<i>211 545 39 01</i>
<b>Pr-SAM : PASSENGER SAM</b>	<i>211 545 21 32</i>
<b>R-SAM : Rear signal aquisition module</b>	<i>002 545 99 01</i>
<b>UCP : Upper control panel</b>	<i>211 821 03 58</i>
<b>ASSYST : Active service system</b>	<i>000 445 08 18</i>
<b>ASS+ : ACTIVE SERVICE SYSTEM PLUS</b>	<i>028 545 24 32</i>
<b>SCM : Steering column module</b>	<i>030 545 97 32</i>
<b>AAC : Automatic air conditioning</b>	<i>211 830 03 85</i>
<b>DCM : Front right door control module</b>	<i>211 820 16 85</i>
<b>DCM : Rear left door control module</b>	<i>211 820 15 26</i>
<b>DCM : Rear right door control module</b>	<i>211 820 16 26</i>



## CHECK OPERATING TIME OF HYDRAULIC UNIT

**Result of hydraulic unit test**

SBC hydraulic unit O.K.

**Required action**

No action required

**Run hydraulic unit test**

Run

HELP

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CAPTURE

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## CHECK OPERATING TIME OF HYDRAULIC UNIT

Result of hydraulic unit test

Service threshold reached

Required action

Replace SBC hydraulic unit

Run hydraulic unit test

Run

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## CHECK OPERATING TIME OF HYDRAULIC UNIT

The sbc system hydraulic unit has a limited life span. this diagnostic test assesses whether the hydraulic unit is still within its serviceable threshold or whether the hydraulic unit is worn out and needs to be replaced.

Click 'next' to check the operating time of the sbc hydraulic unit.

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NEXT



## PRESSURES

SBC pedal value sensor (B37/1) [mm]	0.00
Front axle pre-pressure sensor (A7/3b1) [bar]	0.00
Front left pressure sensor (A7/3b3) [bar]	0.00
Front right pressure sensor (A7/3b4) [bar]	0.00
Reservoir pressure sensor (A7/3b2) [bar]	141.62

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## VOLTAGE SUPPLY

Voltage supply circuit 87 [10.5 - 14.5]

13.97

Wake-up line from driver SAM  
(N10/10) [10.5 - 14.5]  
Voltage supply

13.34

• Valve relay [10.5 - 14.5]

14.05

• High pressure return pump (A7/3m1) [3.0 ..  
5.5]

4.38

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## Control unit version

**Control unit**

SBC

**Mb number**

004 431 69 12

**Supplier**

03: Bosch

**Hardware status**

29/02

**Software status**

29/04

**Diagnosis identifier**

00/07

**Response index**

MB.tab: 4313

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## BRAKE DATA

Operation of service brakes

93.22

This data relates to the operational threshold of the hydraulic unit. If the value is above 84.48, the hydraulic unit may need to be replaced.

To test the oprable status of the hydraulic unit, select ' CHECK OPERATING TIME OF HYDRAULIC UNIT (A7/3) ' from the first SBC menu.

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