

Fault B214B72; B214F11; B214F73 Current and Stored

Topic number	LI54.10-P-068419
Version	1
Function group	54.10 Battery, power supply, voltage converter
Date	07-18-2018
Validity	BR 177 N10 - signal acquisition and actuation module (SAM) with control unit variant BCMFA2_R_8 and with MB item number for software 247 902 18 01
Reason for change	
Reason for block	

Complaint:

Fault B214B72 "Output for switch 'Quiescent current ON' has a malfunction. Actuator fails to close

In N73 - electronic ignition lock (EZS); Current and Stored (A+S)

Fault B214F11 "Output for switch 'Quiescent current ON' has a malfunction. There is a short circuit to ground

In N10 - signal acquisition and actuation module (SAM); Current and Stored (A+S)

Fault B214F73 "Output for switch 'Quiescent current ON' has a malfunction. Actuator fails to open.

In N10 - signal acquisition and actuation module (SAM); Current and Stored (A+S)

SAM Information:

N10 - signal acquisition and actuation module (SAM) with control unit variant BCMFA2_R_8

N10 - signal acquisition and actuation module (SAM) with MB item number for software 247 902 18 01

Cause:

Control unit reset (SCN coding on control unit N10 - signal acquisition and actuation module (SAM)) not carried out at end of line at factory.

Remedy:

Solution available with addons 10155 (05/18) and 10156 (07/18).

Step 1:

1.0. Check status of quiescent current switch via diagnosis --> Opening and closing (instructions in attachment below)

1.2. If the quiescent current switch can be opened

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1.3. Erase fault

Step 2 (If Step 1 is unsuccessful):

2.0. Check status of quiescent current switch via diagnosis --> Opening and closing

2.1. If the quiescent current switch can not be opened --> Perform SCN coding of control unit N10 - signal acquisition and actuation module (SAM)

2.2. Check status of quiescent current switch via diagnosis --> Opening and closing

2.3. If the quiescent current switch can not be opened --> Perform guided troubleshooting

Attachments	
File	Description
Ansteuerung_Ruhestromschalter.pdf	Ansteuerung_Ruhestromschalter (= Batterietrennschalter = BTS) in German
Control_quiescent current switch.pdf	Control_quiescent current switch (= battery disconnect switch = BTS) in English

Symptoms
Overall vehicle / Power supply / Battery/On-board electrical system / Battery function / Battery discharges

Control unit/fault code		
Control unit	Fault code	Fault text
N10 - Signal acquisition and actuation module (SAM) (BCMFA2)	-	-

Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note
			540NT F1	Function of front SAM on-board electrical system - Variant coding faulty

XENTRY Diagnosis WDD1770031J000003 A (177) 177.003 E: 608.915 T: All Mercedes-Benz

Diagnosis > N10 - Signal acquisition and actuation module (SAM) 13.0V Ignition OFF

Version | Error codes / Events | Actual values | **Actuations** | Adaptations | Control unit log | List of fault codes | Tests

Selection

- Relays
 - Fanfare horn
 - Confirmation of battery change
 - Deep discharge protection**
 - Transport mode
 - Activate demo mode of exterior lights.
 - Front exterior lights
 - Rear exterior lights
 - Interior illumination
 - Wipe and wash
 - Central locking

Deep discharge protection

Requirements

- Circuit 15R is switched off.
- No charger must be connected.

Notes

- The connection between the multiplexer and the diagnostic socket has an open circuit.
- Notes or warnings may be displayed on the instrument cluster.
- ✗ Operate battery disconnect switch.

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Deep discharge protection

Nach ca. 300 wird der Batterietrennschalter geöffnet und wieder geschlossen.

Please wait...

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