

Fault B214B72; B214F11; B214F73 current and stored

Topic number	LI54.10-P-068419
Version	2
Function group	54.10 Battery, power supply, voltage converter
Date	12-04-2018
Validity	Model series 177 and model series 247 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 N10 - Signal acquisition and actuation module (SAM) with control unit variant BCMFA2_R_8.1 and with MB item number for software 247 902 83 01
Reason for change	Validity and remedy adapted.
Reason for block	

Complaint:

No-load current switch function no operating correctly.

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

In the 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 the N10 - signal acquisition and actuation module (SAM); current and stored (A+S)

Fault B214B72 "Output for switch 'Quiescent current ON' has a malfunction. Actuator does not close.

In N73 - electronic ignition lock (EVS); current and stored (A+S)

Cause:

Control units reset then control unit N10 - Signal acquisition and actuation module (SAM), to avoid malfunction of the battery disconnect switch due to a software error.

Remedy:

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

Note:

You absolutely must comply with the sequence of the following operation steps.

1. Carry out control unit N10 - Signal acquisition and actuation module (SAM) SCN coding.
2. Switch off ignition and switch on again.

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3. Delete fault memory in N73 - Electronic ignition lock (EVS).
4. Delete fault memory in N10 - Signal acquisition and actuation module (SAM).
5. Check status of no-load current switch using diagnosis --> Opening and closing
 - If opening is not possible --> Carry out 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

Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note
			540NR 73	Front SAM electrical center control unit - electrical fault

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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

Home

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.

Continue

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

Please wait...

Continue