

XENTRY TIPS

213 Battery discharged, vehicle does not start - Event code U116000 "A bus keepawake control unit has been detected" is stored in quick test

Topic number	LI54.10-P-064762
Version	5
Design group	54.10 Battery, power supply, voltage converter
Date	07-18-2017
Validity	Model series 213
Reason for change	Remedy updated
Reason for block	

Complaint:

Battery discharged, vehicle does not start

Event code U116000 "A bus keepawake control unit has been detected" is stored in quick test (EZS (N73))

Cause:

Various possible causes.

1. The EZS control unit (N73) crashes. Event code: FF-FFFFFF

This causes the CAN BUS to be kept awake. A reset by the (internal) battery disconnect switch is not effective.

2. The KEYLESS-GO control unit (N69/5) crashes. Event code: 14-040000

This causes the CAN BUS to be kept awake. A reset by the (internal) battery disconnect switch is not effective.

3. Customer had activated the hazard warning lights for longer than 15 min. Event code: 00-100000

During hazard warning lights "ON", all CAN BUS systems are awake and active. Required current approx. 20 Ah.

4. All other cases must be reported for further analysis.

Remedy:

The remedies correspond to the event codes in gateway shown below.

1. Event code: FF-FFFFFF

Up to production date 01.02.2017; up to FIN ...A2086618

--> Flash EZS

Invoice to damage code 8000N-90

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2. Event code: 14-040000

Up to production date 17.05.2017;

--> Flash Key-Go control unit (N69/5) with new SW (min. A213 902 17 12).

Invoice to damage code 82190-90

3. Event code: 00-100000

This is not a vehicle fault. Change the battery and return the vehicle to the customer.

4. Create a PTSS case with the following information and documentation attached to the case:

Documentation Needed:

(1) Control unit event log of electronic ignition lock EZS (N73)

(2) Control unit event log of SAM-F (N10/6)

(3) Up-to-date no-load current measurement

(4) Initial Quick Test

Discuss the following questions with the customer:

(1) Were there any messages in the instrument cluster?

(2) Did this behavior occur once only, or has it occurred before? If so, when (approximately)?

(3) Was the vehicle parked in a particular location or with high traffic levels?

(4) Has the vehicle been modified or are there any installations in the vehicle?

Symptoms
Overall vehicle / Power supply / Battery/On-board electrical system / Battery function / Battery discharges
Overall vehicle / Power supply / Quiescent current/consumer shutoff / Does not switch off
Overall vehicle / Power supply / Battery/On-board electrical system / Battery/on-board electrical system display message / Low voltage Charge battery

Control unit/fault code		
Control unit	Fault code	Fault text
N10/6 - Front signal acquisition and actuation module (Driver-side SAM) (BC_F213)	-	-
N73 - Electronic ignition lock (EZS) (EZS213)	U116000	A bus keepawake unit was detected. _

Operation numbers/damage codes

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Op. no.	Operation text	Time	Damage code	Note
			8000N 90	Flash EZS control unit N73
			82190 90	Flash Key-Go control unit N69/5
54-0650	12V			
54-1011	QUICK TEST			
54-0992	CODE			