

Back-up battery discharged after extended period of non-operational time – IC display "Back-Up Battery. Service Required"

Topic number	LI54.10-P-069719
Version	1
Function group	54.10 Battery, power supply, voltage converter
Date	04-22-2019
Validity	Model series 177, model series 118, model series 247 with code P429 7-speed automatic dual-clutch transmission, without code 411 manual transmission
Reason for change	
Reason for block	

Complaint:

Back-up battery message – "Service Required" in instrument cluster

Cause:

May be due to deep discharge of back-up battery after a non-operational time period of more than 10 days (12 V starter battery disconnected or discharged due to lack of battery care)

Please observe SI54.10-P-0024A "Battery maintenance".

Remedy:

Replacing back-up battery may fix complaint.

Please observe AR54.10-p-0121mfa "Remove/install park pawl battery".

Symptoms
Overall vehicle / Power supply / Battery/On-board electrical system / Battery function / Battery discharges
Overall vehicle / Power supply / Battery/On-board electrical system / Battery function / Battery cannot be charged

Control unit/fault code		
Control unit	Fault code	Fault text
N73 - Electronic ignition lock (EZS) (EZS167)	B21DC01	The buffer battery of the electronic ignition lock has a malfunction. There is a general electrical fault.
N10 - Signal acquisition and actuation module (SAM) (BCMFA2)	B11C113	The additional battery has a malfunction. There is an open circuit.
N10 - Signal acquisition and actuation module (SAM) (BCMFA2)	B11C116	The additional battery has a malfunction. The limit value for electrical voltage has not been attained.

XENTRY TIPS

Parts						
Part number	ES1	ES2	Designation	Quantity	Note	EPC
N 000000 004039			Back-up battery	1		X

Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note
			8000N 54	Electronic ignition lock control unit - no-load current too high