Vehicle does not start - Battery discharged (12V lithium-ion battery)

Topic number	LI54.10-P-057372
Version	1
Design group	54.10 Battery, voltage supply, voltage converter
Date	11-20-2013
Validity	Model series 197 Black Series with SA code "P98" as of code "804"
Reason for change	Procedure adapted
Reason for block	

Complaint:

Vehicle cannot be unlocked via the central locking and/or cannot be started.

Cause:

Discharged battery

Remedy:

If any complaints are received during production start-up of the 12V lithium-ion battery, please create an appropriate TIPS case!

The following data must be included:

- Customer complaint
- Substantiated workshop findings report
- Battery voltage at the battery terminals checked with multimeter and documented!

Note:

Battery diagnosis is to be continued with Xentry. The battery is diagnosed via the rear SAM control unit.

- Create quick test report
- Record "actual values and histogram data"
- Create rear SAM control unit log

Please generate the documents as original PDF files!!

Notes:

- Until further notice the battery is not available from the GLC. In the event of complaints, it can be ordered only after approval from Technical Market Support.

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- With regard to the handling and use of 12V lithium-ion batteries, the relevant safety information in WIS must be observed!

For breakdown cases, the following procedure must always be complied with:

- Jump-starting from another vehicle, jump starter boxes or an external battery (including VRLA technology) is possible without restrictions.

- If jump-starting is not possible for technical reasons, the vehicle must be towed in due to the special transport and storage regulations for 12V lithium-ion batteries. The battery should not be replaced at the breakdown location.

Symptoms

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

Control unit/fault code

Control unit	Fault code	Fault text
Rear SAM - Rear signal acquisition and actuation module (N10/2) (SAMR_231)	B1FC204	The lithium-ion starter battery has a malfunction. There is an internal fault.
Rear SAM - Rear signal acquisition and actuation module (N10/2) (SAMR_231)	B1FC353	The lithium-ion starter battery has prevented further discharge. The component is deactivated.
Rear SAM - Rear signal acquisition and actuation module (N10/2) (SAMR_231)	B1FC296	The lithium-ion starter battery has a malfunction. There is an internal component fault.
Rear SAM - Rear signal acquisition and actuation module (N10/2) (SAMR_231)	B1FC287	The lithium-ion starter battery has a malfunction. The message is missing.
Rear SAM - Rear signal acquisition and actuation module (N10/2) (SAMR_231)	B1FC209	The lithium-ion starter battery has a malfunction. There is a component fault.
Rear SAM - Rear signal acquisition and actuation module (N10/2) (SAMR_231)	B1FC249	The lithium-ion starter battery has a malfunction. There is an internal electrical fault.
Rear SAM - Rear signal acquisition and actuation module (N10/2) (SAMR_231)	B1FC21C	The lithium-ion starter battery has a malfunction. The voltage value is outside the permissible range.

Parts

Part number	ES1	ES2	Designation	Quantity	Note	EPC	Other make part
A 222 982 01 08			Lithium-ion battery	1	12V / 80Ah	X	

Validity

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Vehicle	Engine	Transmission
SLS (197)	*	*

Full model designation breakdown		
Vehicle	Engine	Transmission
197.377	159.980	700.400
197.378	159.980	700.400
197.477	159.980	700.400
197.478	159.980	700.400
197.890	000.000	700.113
197.890	780.001	700.113

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