

## Yellow battery symbol fault message in multifunction display "Start Engine. See Owner's Manual".

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Topic number	LI54.10-P-067414
Version	1
Function group	54.10 Battery, power supply, voltage converter
Date	12-04-2017
Validity	Model 205, 253 Model 166, 292
Reason for change	
Reason for block	

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### Complaint:

Yellow battery symbol fault message in multifunction display "Start Engine. See Owner's Manual".

Attachments	
File	Description
Start Engine. See Operator's Manual.jpg	Fault message in English
Motor starten. s. Betriebsanleitung.jpg	Fault message in German

### Cause:

Model 205/253:

Excess hot melt adhesive from the heat-shrinkable tube on the cable lug of the measurement line (0.75 mm<sup>2</sup>) from the on-board electrical system battery G1 to the battery sensor B95 leads to an increase in the internal resistance R<sub>di</sub> of the battery. Due to the high battery internal resistance, the yellow fault message is generated in the multifunction display at 8 mΩ and above.

Model 166/292:

Excess fabric tape on the cable lug of the measurement line (0.75 mm<sup>2</sup>) from the on-board electrical system battery G1 to the battery sensor B95 leads to an increase in the internal resistance R<sub>di</sub> of the battery. Due to the high battery internal resistance, the yellow fault message is generated in the multifunction display at 8 mΩ and above.

Attachments	
File	Description
Schaltplan.JPG	Wiring diagram extract
B95 Positive Post Connection on Battery.jpg	Model 205/253: Excess hot melt adhesive from heat-shrinkable tube on cable lug at G1 to B95
B95 Ring Terminal Residue.jpg	Model 205/253: Excess hot melt adhesive from heat-shrinkable tube on cable lug at G1 to B95
Tape on pos term wire.JPG	Model 166/292: Excess fabric tape on cable lug at G1 to B95
Terminal wire before removal.JPG	Model 166/292: Excess fabric tape on cable lug at G1 to B95

# XENTRY TIPS

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## Remedy:

Model 205/253:

Carefully remove the excess hot melt adhesive using a small screwdriver until the contact surface of the cable lug is free of hot melt adhesive residues.

Be careful not to damage the surface of the cable lug or abrade the contact surface with the screwdriver.

The heat-shrinkable tube must have no signs of damage after the repair otherwise leaktightness might not be guaranteed.

The cable lug and the heat-shrinkable tube may be replaced if necessary.

Model 166/292:

Carefully remove (detach) the excess fabric tape by hand until the contact surface of the cable lug is free of fabric tape (residues). Then snip off (remove) the excess fabric tape using side cutting pliers.

**Do not replace any batteries in either possible case!**

Attachments	
File	Description
Remedy 1.JPG	Model 205/253: Remove excess hot melt adhesive using a small screwdriver.
Remedy 2.JPG	Model 205/253: Remove excess hot melt adhesive using a small screwdriver.
Good example.jpg	"Good" example (in installed state)

Symptoms
Overall vehicle / Power supply / Battery/On-board electrical system / Battery/on-board electrical system display message / Battery/Alternator - Serviced Required
Overall vehicle / Power supply / Battery/On-board electrical system / Battery/on-board electrical system display message / Low voltage Charge battery
Overall vehicle / Power supply / Battery/On-board electrical system / Battery/on-board electrical system display message / Charging

Control unit/fault code		
Control unit	Fault code	Fault text
N10 - Signal acquisition and actuation module (SAM) (CB-CBOLERO) (GL/GLS (166),M/GLE (166),GLE (292))	B1F4500	The starter battery has excessive resistance. _
N10/6 - Front signal acquisition and actuation module (Driver-side SAM) (BC_F213) (C (205) )	B1F4500	The starter battery has excessive resistance. _
N10/6 - Front signal acquisition and actuation module (Driver-side SAM) (BC_F222) (C (205) )	B1F4500	The starter battery has excessive resistance. _
N10 - Signal acquisition and actuation module (SAM) (CBC) (GL/GLS (166),M/GLE (166),GLE (292))	B1F4500	The starter battery has excessive resistance. _

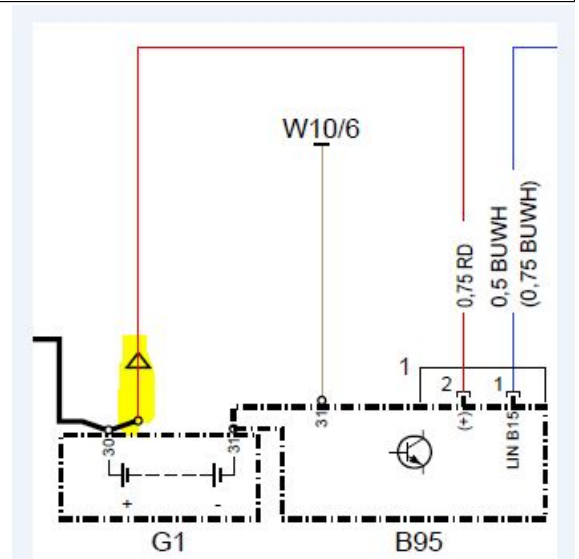
# XENTRY TIPS

Parts						
Part number	ES1	ES2	Designation	Quantity	Note	EPC
N 046225 008102			Cable lug DIN 46225-A 8-6	1	Only replace if necessary. In the EPC search, select "Part without vehicle data".	X
A 004 546 83 30			Heat-shrinkable tubing	1	Only replace if necessary. In the EPC search, select "Part without vehicle data".	X

Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note
			51210 74	K/Z* battery sensor - Contact fault/ open circuit

## Attachments

Schaltplan.JPG:



# XENTRY TIPS

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Start Engine. See Operator's Manual.jpg:



B95 Positive Post Connection on Battery.jpg:



# XENTRY TIPS

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B95 Ring Terminal Residue.jpg:



Tape on pos term wire. JPG:



# XENTRY TIPS

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Terminal wire before removal.JPG:



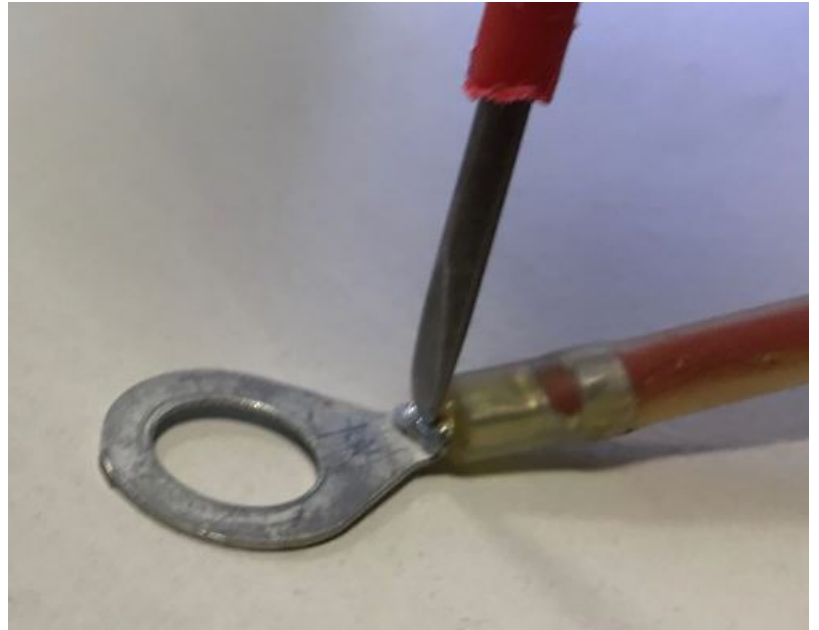
Remedy 1.JPG:



# XENTRY TIPS

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Remedy 2.JPG:



Good example.jpg:

