

Red battery warning message in IC


Topic number	LI54.10-P-076742
Version	1
Function group	54.10 - Battery, power supply, voltage converter
Date	7/25/23
Validity	All GT (190).
Reason for change	

Complaint

The red battery light in the instrument cluster lights up while driving.

Cause

Voltage drop in alternator / battery / chassis main circuit.

Attachments	
File	Description
Not_ok_1.JPG	Ground connection not permissible.
	
Not_ok_2.JPG	Ground connection not permissible.

XENTRY TIPS



[Not_ok_3.JPG](#)

Ground connection not permissible.

XENTRY TIPS



Not_ok_4.JPG

Ground connection not permissible.

XENTRY TIPS



[Not_ok_5.JPG](#)

Ground connection not permissible.



[Grounding locations M178_BR190_engl.pdf](#)

Remedy

- Check ground points per the pictures/guide in the attachments
- Test the state of charge of the battery. Replace if necessary
- Check fuse box f32/2 for water, oxidation or damage
- Check alternator / alternator management for correct functionality via Xentry
- Update front and rear SAM

If the complaint persists after performing the checks/replacements above, read out the on board electrical system data and open a TIPS case with the results/pictures of the checks performed.

Attachments	
File	Description
OK_after_treatment.JPG	OK condition.



[Massenstellen.pdf](#)

Guideline for ground checks.

WIS-References

Document number	Title	Note
PE07.08-P-2101HBA	Wiring diagram for gasoline direct injection control unit	Reference document for conducting tests.

Symptoms

Overall vehicle > Power supply > Battery/On-board electrical system > Battery/on-board electrical system indicator lamp > Battery charge indicator/consumer shutoff > Illuminates red

Parts

Part number	ES1	ES2	Designation	Quantity	Note	EPC
A0009826205			Starter battery	1		X
A0009061705			Alternator	1		X
A2125407150			Fuse box (F32/3)	1		X

Operation numbers/damage codes

Op. no.	Operation text	Time	Damage code	Note