AR54.10-P-1129-01A	Check battery		
	Risk of explosion from explosive gas. **Risk of poisoning and caustic burns** from swallowing battery electrolyte. **Risk of injury** through burns to skin and eyes from battery acid or when handling damaged lead-acid batteries	No fires, sparks, open flames or smoking. Wear acid-resistant gloves, clothing and glasses. Only pour battery acid into suitable and appropriately marked containers.	AS54.10-Z-0001-01A
⚠ Warning	**Risk of injury** caused by contact with battery gel when handling damaged lead-gelbatteries	No fires, sparks, open flames or smoking. Wear acid-resistant gloves, clothing and glasses.	AS54.10-Z-0001-02A
⚠ Warning	**Risk of injury** caused by caustic burns to eyes, skin and mucous membranes from battery electrolyte or due to short circuit. **Risk of burn injuries** due to thermal changes. **Risk of poisoning** from swallowing battery electrolyte.	Wear protective gloves, protective clothing and safety glasses. In the event of escaping battery electrolyte, battery vapors, battery mist, smoke or heat development, secure the area, leave it and alert the fire department.	AS54.10-Z-0001-04A
	Notes on 12 V/48 V lithium-ion battery	Model 190 except code U98 (LITHIUM-IONEN-STARTERBATTERIE (LISB)) Model 197 except code P98 (Black Series) Model 205 except code P25 (BlueEFFICIENCY Edition) except code U98 (LITHIUM-IONEN-STARTERBATTERIE (LISB)) Model 213, 238, 253 except code U98 (LITHIUM-IONEN-STARTERBATTERIE (LISB)) Model 217 (except 217.37/47) Model 222 (except 222.077/176/177/178/179/187/188) Model 257, 290	AH54.10-P-0004-01A
	Notes on battery		AH54.10-P-0001-01A
WS	000 588 02 19 00 Battery tester		WS54.00-N-3006B

Model 117, 124, 126, 129, 140, 156, 163, 164, 166, 168, 169, 170, 171, 172, 176, 199, 201, 202, 203, 204, 207, 208, 209, 210, 211, 212, 215, 216, 218, 219, 220, 221, 230, 231, 240, 242, 245, 246, 251, 292, 451, 453, 461, 463
Model 190
except code U98 (LITHIUM-IONEN-STARTERBATTERIE (LISB))
Model 197
except code P98 (Black Series)
Model 205
except code P25 (BlueEFFICIENCY Edition)
except code U98 (LITHIUM-IONEN-STARTERBATTERIE (LISB))
Model 213, 238, 253
except code U98 (LITHIUM-IONEN-STARTERBATTERIE (LISB))
Model 217 (except 217.37/47)
Model 222 (except 222.077/176/177/178/179/187/188)
Model 257
Model 290

Test and adjustment values for battery

Number	Designation				Model all (4xWD, CAR, smart)
BE54.10-P-1006-01A	Battery capacity 60 Ah VRLA	Cold cranking amps	As per EN	A	680

Test and adjustment values for battery

Number	Designation				Model all (4xWD, CAR, smart)
BE54.10-P-1010-01A	Battery capacity 70 Ah VRLA	Cold cranking amps	As per EN	A	760

Test and adjustment values for battery

Number	Designation				Model all (4xWD, CAR, smart)
BE54.10-P-1012-01A	Battery capacity 80 Ah VRLA	Cold cranking amps	As per EN	A	800

Test and adjustment values for battery

Number	Designation				Model all (4xWD, CAR, smart)
BE54.10-P-1015-01A	Battery capacity 95 Ah VRLA	Cold cranking amps	As per EN	A	850

i Whenever possible, perform the tests with the battery still installed and connected.

i If, when testing, the battery tester shows a "Surface voltage detected" message, this indicates an increased voltage.

1 Switch off ignition and store transmitter key outside of transmitter range (min. 2 m).

2 Switch off lighting and audio components.

3 Connect battery tester to battery.

Do not connect battery tester to jump start or charging terminal point; always connect it directly to the battery.
Otherwise the test result may be incorrect.

i Once the battery tester has been connected the currently measured battery voltage is displayed.

For system noise.

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Wait for approx. 2 minutes until the bus systems are switched off and the no-load current is minimized.

4 Conduct test procedure according to battery test device menu navigation.

5 After the test print out the test code displayed and store it safely in a tamperproof manner.