

Overview

Battery (G1)

Location

The battery (G1) is located in the trunk. The precise installation location varies according to model designation (model 211.0 and model 211.2) and equipment (TIREFIT/compact spare tire).



P54.15-2902-00

Model 211.0 with compact spare tire, model 211.2
G1 Battery



P54.15-2903-00

Model 211.0 and model 219 with TIREFIT
G1 Battery

Additional battery (G1/7) (up to 31.5.06)

Location

The additional battery (G1/7) is located on the right at the rear of the engine compartment.



P54.15-2901-00

G1/7 Additional battery

Battery

Table of batteries/alternators (up to 31.5.06)

Engine model	Battery	AGM/wet-cell battery	Alternator
All	12 Ah	AGM	—
M 112	60 Ah*, 70 Ah*, 95 Ah*	AGM	120 A*, 150 A*
M 113	95 Ah	AGM	150 A*, 180 A (AMG)*
M 271	60 Ah*, 70 Ah*, 95 Ah*	AGM	150 A
M 272	70 Ah*, 95 Ah*	AGM	120 A*, 180 A*
M 273, OM 642	95 Ah	AGM	180 A
OM 628	90 Ah	AGM	200 A
OM 629, OM 647	95 Ah	AGM	220 A
OM 646	60 Ah*, 70 Ah*, 95 Ah*	AGM	200 A
OM 648	70 Ah*, 95 Ah*	AGM	200 A

*Depending on equipment

i Note

As of 10/05 the AGM batteries with a capacity of 60 Ah, 70 Ah and 95 Ah were changed to wet-cell batteries with a capacity of 74 Ah and 100 Ah.

Exceptions to this are USA (code 494) and Japan (code 498) versions, model 211.2 with 3rd seat row, taxis and vehicles with engine models OM 642 and OM 648.

Table of batteries/alternators (as of 1.6.06)

Engine model	Battery	AGM/wet-cell battery	Alternator
M 271	74 Ah*, 100 Ah*	Wet	150 A
M272	74 Ah*, 100 Ah*	Wet	180 A
M 273	100 Ah	Wet	180 A
OM 629, OM 642	95 Ah	AGM	180 A
OM 646	74 Ah*, 100 Ah*	AGM	200 A


*Depending on equipment



Charging

Battery (G1)

- Check condition of battery (G1).
- Connect positive clip (1) of charger to positive terminal of battery (G1).
- Connect negative clip (2) of charger to bolt-on ground point of battery control unit (N82).
- Charge battery (G1).

 AR54.10-P-1130T



P54.15-2982-00

- 1 Positive clip
- 2 Negative clip
- G1 Battery

Note

The current sensor of the battery control unit (N82) can take the charge into account when evaluating the battery (G1).

Additional battery (G1/7) (up to 31.5.06)

The additional battery (G1/7) is recharged by coupling the additional battery relay (K57/2) under the following conditions:

- On-board electrical system battery voltage > 13.5 V
- Engine on (circuit 61 signal present)
- Additional battery voltage < 12.7 V


Recharging occurs once per driving cycle (circuit 15 on/off) for max. 20 minutes.

Battery

Jump start

Model 211.0 and model 219

- Connect positive clip of jumper cable to positive terminal of jump-starting battery and positive clip (1) to positive terminal of battery (G1).
- Connect negative clip of jumper cable to negative terminal of jump-starting battery and negative clip (2) to bolt-on ground point of battery control unit (N82).
- Start engine.

 SI54.10-P-0008-03A (model 211)




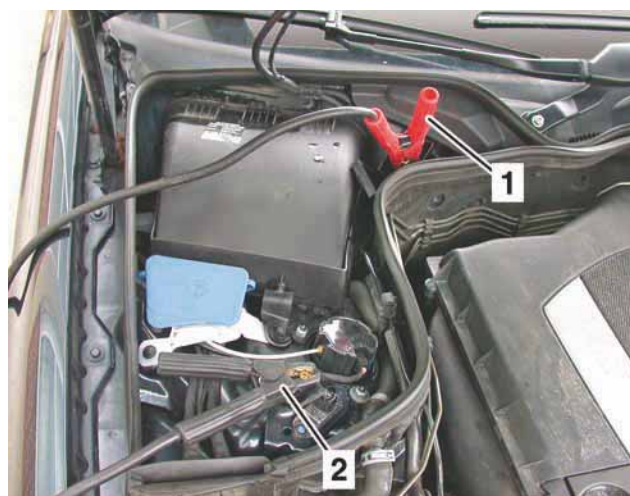
P54.15-2982-00

- 1 Positive clip
- 2 Negative clip
- G1 Battery

Model 211.2

- Connect positive clip of jumper cable to positive terminal of jump-starting battery and positive clip (1) to positive terminal of jump-starting point.
- Connect negative clip of jumper cable to negative terminal of jump-starting battery and negative clip (2) to jump-starting point on spring tower.
- Start engine.

 SI54.10-P-0008-03B



P54.15-2932-00

- 1 Positive clip
- 2 Negative clip

Note

Always comply with the information in the owner's manual!

Removal/installation

Note


In vehicles with Keyless Go (code 889), press the Keyless Go start/stop button (S2/3) repeatedly until the ignition is switched off. Remove the transmitter key (A8/1) from the vehicle and keep it outside the range of the transmitter (at least 2 m).


Battery (G1)


Procedure for removing the battery (G1):

- Switch off ignition and switch off all electrical consumers.
- Remove transmitter key (A8/1) from EIS [EZS] control unit (N73).
- Disconnect ground line of battery (G1) and protect it against unintentional contact.
- Disconnect positive line of battery (G1).
- Remove battery (G1).

After removal/installation of the battery (G1) basic programming (normalization) of the vehicle is required.

 **AR54.10-P-0005T** (model 211.0)

 **AR54.10-P-0005TA** (Models 211.2, 211.6)

 **AR54.10-P-0005TX** (model 219)


Additional battery (G1/7) (up to 31.5.06)


Procedure for removing the additional battery (G1/7):

- Switch off ignition and switch off all electrical consumers.
- Remove transmitter key (A8/1) from EIS [EZS] control unit (N73).
- Disconnect ground line of battery (G1) and protect it against unintentional contact.
- Disconnect ground line of additional battery (G1/7) and protect it against unintentional contact.
- Disconnect positive line of additional battery (G1/7).
- Remove additional battery (G1/7).

After removal/installation of the additional battery (G1/7) basic programming (normalization) of the vehicle is required.

Read out the fault memory and erase if necessary (only model 211 up to 29.1.04)

 **AR54.10-P-0007T** (model 211) (up to 31.5.06)

 **AR54.10-P-0007TX** (model 219) (up to 31.5.06)