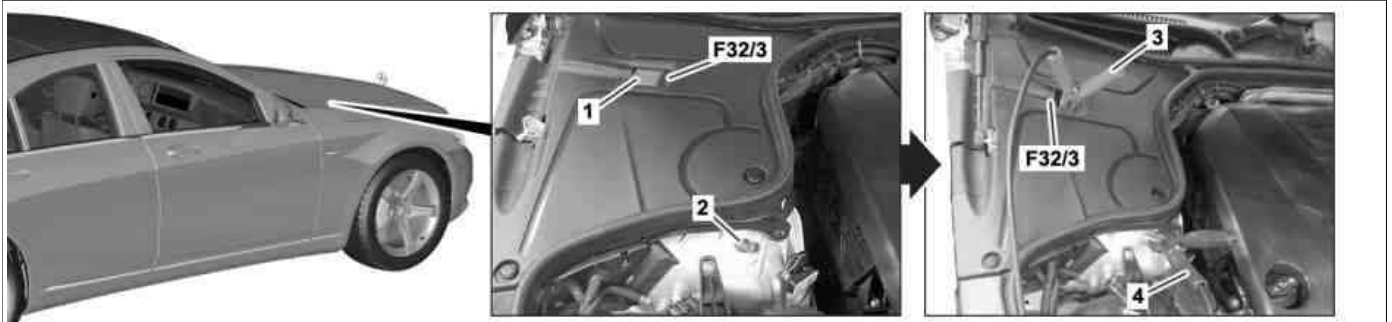


Model 217, 222

Modification notes

09.06.2017	Operation step version added	Operation steps 7.1 and 7.2	
16.06.2017	"General information", inserted	Step 5	
24.07.2017	2. Check battery removed.	Last operation step (deleted).	









P54.10-3826-07

Shown on model 222

- | | | |
|-------------------------|-----------------------------|--------------------------------------|
| 1 Cover | 3 Charger positive terminal | F32/3 Engine compartment prefuse box |
| 2 Ground terminal point | 4 Charger ground terminal | |

⚠	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
		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
		Information on preventing damage to electronic components due to electrostatic discharge		AH54.00-P-0001-01A
		Notes on 12 V/48 V lithium-ion battery		AH54.10-P-0004-01A
		Notes on battery		AH54.10-P-0001-01A
		Notes on AGM battery		AH54.10-P-0002-01A
☑		Check		
1		Check condition of on-board electrical system battery	Model 217 (except 217.37/47), 222 (except 222.07/17/187/188) Not with active transport mode.	AR54.10-P-1129LF
✖		Remove		
2		Remove cover over coolant expansion reservoir	With on-board electrical system battery installed.	
		Charging		
3		Expose charging terminal point of engine compartment prefuse box (F32/3) by moving the cover (1)	With on-board electrical system battery installed.	
4.1		Connect positive terminal for charger (3) to charging terminal point of engine compartment prefuse box (F32/3) and ground clamp for charger (4) to ground terminal point (2)	With on-board electrical system battery installed.	
WS		000 588 00 81 00 Charger		WS54.00-P-0037B

		 <p>Do not reverse polarity. Otherwise a short circuit will cause damage.</p>	
4.2	 WS Connect charger to the on-board electrical system battery 000 588 00 81 00 Charger	<p>With on-board electrical system battery removed.</p>  <p>Do not reverse polarity. Otherwise a short circuit will cause damage.</p>	WS54.00-P-0037B
5	Charge on-board electrical system battery	 <p>Charge on-board electrical system battery using approved charger only. The battery charging period depends on the charge level of the on-board electrical system battery. The on-board electrical system battery is sufficiently charged when the displayed charging current is < 5 A. Interrupt charging process when charging current undershoots 25 A during Midtronics test.</p>	
6	Switch off charger	 <p>Charger must be switched off before disconnecting. Arcing can otherwise occur.</p>	
7.1	Disconnect positive terminal for charger (3) from charging terminal point of engine compartment prefuse box (F32/3) and ground clamp for charger (4) from ground terminal point (2) and close cover (1) to engine compartment prefuse box (F32/3)	With on-board electrical system battery installed.	
7.2	Disconnect charger from on-board electrical system battery	With on-board electrical system battery removed.	
	Install		
8	Install cover over coolant expansion reservoir	With on-board electrical system battery installed.	