

AR54.10-P-0009LWO Remove/install on-board electrical system battery

06.04.2021

**Model 238***except code B01 (48V technology)**except code U98 (LITHIUM-IONEN-STARTERBATTERIE (LISB))***Shown on model 238.### 1#**

2 Ground cable

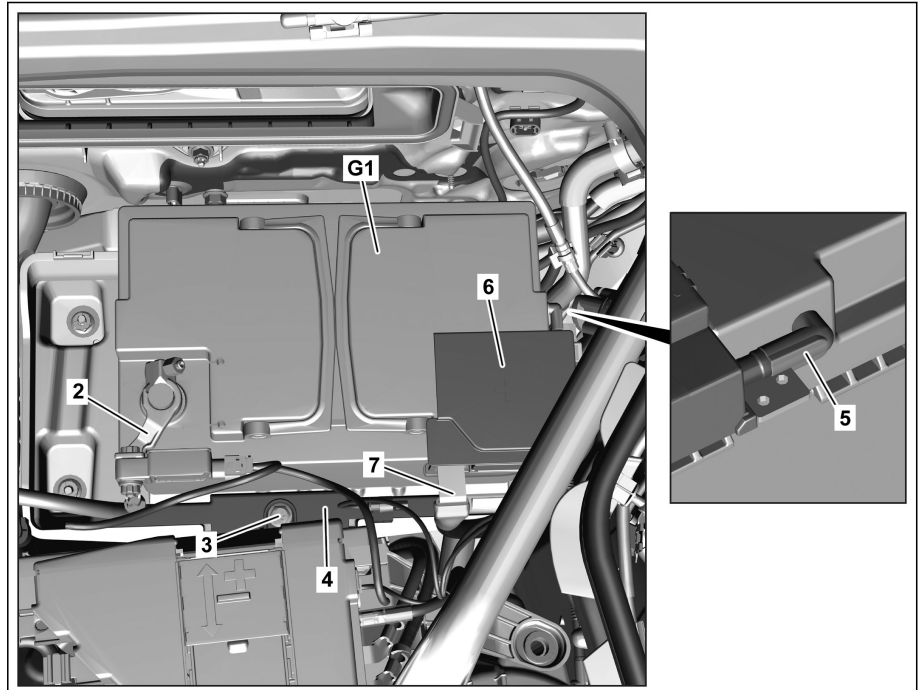
3 Screw

4 Mounting rail








5 Vent hose

6 Cover

7 Positive line

G1 On-board electrical system  
battery

P54.10-4556-06

 <b>Danger</b>	<b>Risk of fire</b> /risk of explosion due to short circuit and escaping oxyhydrogen gas. Risk of (burn) injury caused by caustic burns to eyes, skin and mucous membranes from battery electrolyte/mist, short circuit and arcing. <b>Risk of poisoning</b> caused by swallowing battery electrolyte or absorption of lead through the skin or body orifices. <b>Risk of death</b> due to voltage $U \geq 30$ V AC and $U \geq 60$ V DC.	No fires, sparks, open flames, or smoking. Wear acid-resistant gloves, clothing, and glasses. Pour battery acid only into suitable and appropriately marked containers.	AS54.10-Z-0001-01A
<b>Notice</b>	General information on vehicles with high-voltage on-board electrical system and/or lithium-ion battery and/or gaseous-fuel drive system as well as personal protective equipment		AH00.00-Z-0300-01A
<b>Notice</b>	Information on preventing damage to electronic components due to electrostatic discharge		AH54.00-P-0001-01A
<b>Notice</b>	Notes on battery		AH54.10-P-0001-01A
	Notes on safety-relevant components		AH00.00-Z-0019-01A
	<b>Remove/install</b>		
1 	Confirm change of on-board electrical system battery (G1) using diagnosis system in signal acquisition and actuation module under Actuation menu item.	When replacing the on-board electrical system battery (G1).   This updates the charging characteristic for the on-board electrical system battery (G1).	AD00.00-P-2000-06LWO
2	Disconnect ground line (2) from on-board electrical system battery (G1).		AR54.10-P-0003LWO
3	Unscrew screw (3) of mounting rail (4) until on-board electrical system battery (G1) can be removed.	 Screw/bolt, battery mounting rail to battery frame	BA54.10-P-1001-01A
4	Detach vent hose (5) from on-board electrical system battery (G1).	 <b>Installation:</b> Check bleed hose (5) is correctly seated. Otherwise leaking battery vapor may damage the vehicle.	
5	Remove cover (6).		
6	Disconnect positive line (7) from on-board electrical system battery (G1).	 Nut, electrical line to negative terminal/positive terminal of on-board electrical system battery	BA54.10-P-1004-01A
7	Remove on-board electrical system battery (G1).		
8	Install in the reverse order.		

**Nm Battery**

Number	Designation		Model 238
BA54.10-P-1001-01A	Screw/bolt, battery mounting rail to battery frame	Nm	23

**Nm Battery**

Number	Designation		Model 238
BA54.10-P-1004-01A	Nut, electrical line to negative terminal/positive terminal of on-board electrical system battery	Nm	6