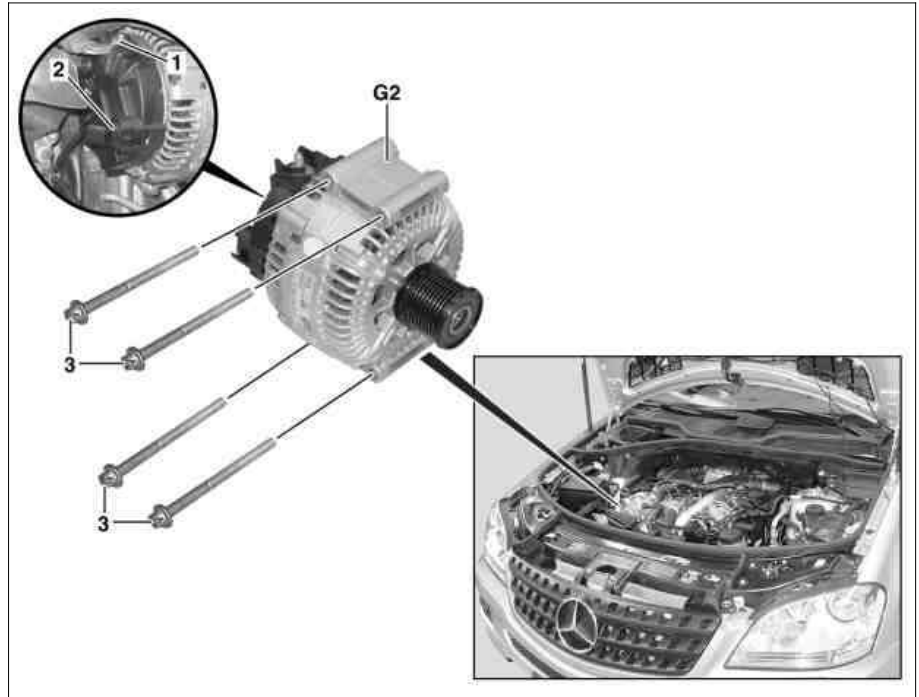


Shown on engine 642 without code U42  
 BLUETEC diesel exhaust gas cleaning

- 1 Electrical line
- 2 Electrical connector
- 3 Bolts

G2 Generator

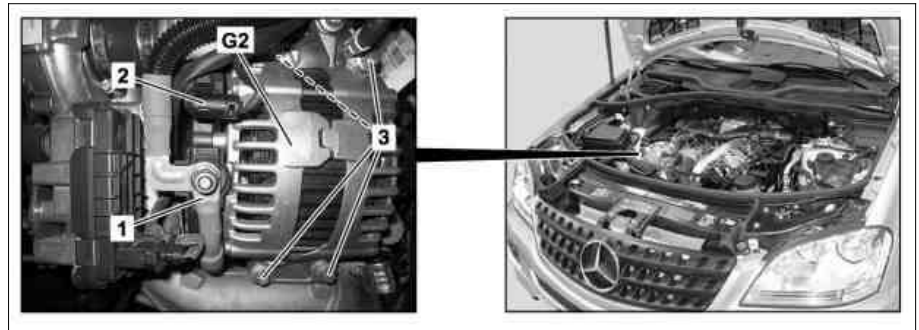


P15.40-2308-06

Shown on engine 642 with code U42  
 BLUETEC diesel exhaust gas cleaning

- 1 Electrical line
- 2 Electrical connector
- 3 Bolts

G2 Generator



P15.40-2513-04

	<p><b>Remove/install</b></p>	<p>Keep body parts and limbs well clear of moving parts.</p>	<p>AS00.00-Z-0011-01A</p>	
	<p><b>Danger!</b></p>	<p><b>Risk of injury</b> caused by <b>fingers being pinched or crushed</b> when removing, installing or aligning hoods, doors, trunk lids, liftgates or sliding roof</p>	<p>No fire, sparks, open flames or smoking. Wear acid-resistant gloves and clothing and safety glasses with side guards. Do not place any conductive objects on the battery and avoid any short circuit from battery positive to ground. Only fill liquid battery electrolyte (diluted sulfuric acid) into suitable and appropriately marked containers.</p>	<p>AS54.10-Z-0001-01A</p>
	<p><b>Danger!</b></p>	<p><b>Risk of explosion</b> caused by escaping oxyhydrogen gas. <b>Risk of injury</b> caused by caustic burns to eyes, skin and mucous membranes from battery electrolyte (contains diluted sulfuric acid) or metal spatter due to short circuit. <b>Risk of burn injuries</b> caused by short circuit. <b>Risk of poisoning</b> caused by swallowing battery electrolyte (contains diluted sulfuric acid) or absorption of lead over the skin or orifices</p>	<p>Detach ground line from battery</p> <p> Insulate clamping device of the ground line in order to prevent inadvertent contact with the ground point of the battery.</p>	<p>AR54.10-P-0003GZ</p>
	<p>1</p>	<p>Notes on battery</p>	<p>Model 164                  Model 251</p>	<p>AR54.10-P-0003RT                  AH54.10-P-0001-01A</p>
	<p>2</p>	<p>Removes strut tower brace</p>	<p>Model 164.8 only</p> <p> Remove strut tower brace from strut tower mounts.</p>	<p>AR62.30-P-2500GY</p>
	<p>3</p>	<p>Remove engine trim panel</p>	<p>Model 164                  Model 251</p>	<p>AR01.10-P-2405GZB                  AR01.10-P-2405RTB</p>
	<p>4</p>	<p>Remove right engine intake air duct</p>	<p>Model 164</p>	<p>AR09.41-P-8625GZB</p>
	<p>5</p>	<p>Remove charge air hose downstream of the charge air cooler</p>	<p> Charge air hose on the right.</p>	<p>AR09.41-P-8625GZB</p>

6	Partly remove poly-V belt	Only remove poly-V belt from belt pulley on alternator (G2).	AR13.20-P-0001GZB
7	Remove bolts (3) on alternator (G2)		*BA15.40-P-1001-01D
8	Detach electrical line (1)	By pulling alternator (G2) with attached electrical lines forwards. 	*BA15.40-P-1002-01D
9	Press circulation pump over alternator (G2) with attached lines to the side		
10	Disconnect electrical connector (2)		
11	Disconnect electrical connector to electrical fan shroud		
12	Remove circulation pump with holder on longitudinal member	Only for model 164 and 251 with code U42 BLUETEC diesel exhaust gas cleaning.	
13	Unclip coolant line on electrical fan shroud		
14	Take alternator (G2) down and out	Remove oil dipstick if necessary.	
15	Install in the reverse order		
<b>Danger!</b>	<b>Risk of accident</b> caused by vehicle starting off by itself when engine is running. <b>Risk of injury</b> caused by contusions and burns during starting procedure or when working near the engine as it is running	Secure vehicle to prevent it from moving by itself. Wear closed and snug-fitting work clothes. Do not touch hot or rotating parts.	AS00.00-Z-0005-01A
16	Carry out engine test run		

**Alternator**

Number	Designation		Engine 642
BA15.40-P-1001-01D	Bolt, alternator to timing case cover	Nm	20
BA15.40-P-1002-01D	Nut of circuit B+ to alternator	Nm	15