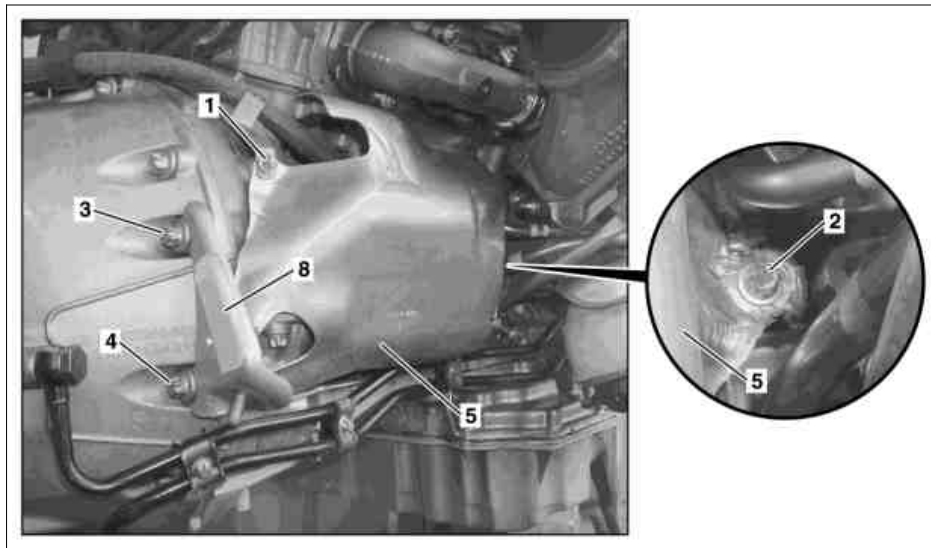


ENGINES 275 in MODEL 215, 220, 230

ENGINES 285 in MODEL 240

Shown on engine 285

- 1 Screw
- 2 Screw
- 3 Screw
- 4 Screw
- 5 Heat shield
- 8 Three way catalytic converter bracket

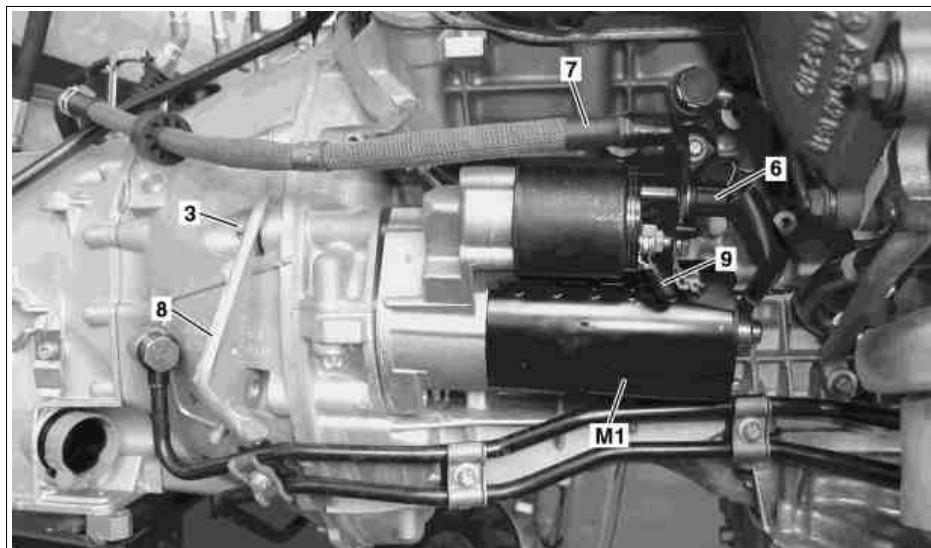


P15.30-2108-05

Shown on engine 285

- 3 Screw
- 6 Contact protection
- 7 Electric line circuit 30
- 8 Three way catalytic converter bracket
- 9 Electric cable circuit 50

M1 Starter



P15.30-2109-05

Modification notes

3.9.03	Check ring gear - added	Step 10.1	
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	Removing		
⚠ Danger!	Risk of death caused by vehicle slipping or toppling off of the lifting platform.	Align vehicle between columns of vehicle lift and position four support plates at vehicle lift support points specified by vehicle manufacturer.	AS00.00-Z-0010-01A
⚠ Danger!	Risk of explosion caused by oxyhydrogen gas. Risk of poisoning and caustic burns caused by swallowing battery acid. Risk of injury caused by burns to skin and eyes from battery acid or when handling damaged lead-acid batteries	No fire, 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
🔧	Notes on self-locking nuts and bolts		AH00.00-N-0001-01A
1	Detach ground line from battery	🔧 Do not connect a quiescent current retention device. Risk of short circuit! Model 215, 220	AR54.10-P-0003I

		Model 230 without code (P99) "AMG Black Series" Model 230 with code (P99) Special model "AMG Black Series" Model 240	AR54.10-P-0003R AR54.10-P-0003RBS AR54.10-P-0003H AH54.10-P-0001-01A
	Notes on battery		
2.1	Remove right catalytic converter	Model 220.179 Model 215, 220.176 Model 240	AR49.10-P-5500M AR49.10-P-5531H
2.2	Remove complete exhaust system	Model 230	AR49.10-P-7000RB
3	Remove bolts (1, 2)		
4	Loosen bolt (3)	Model 215, 220, 240	
5	Remove bolt (4) and remove heat shield (5)		
6	Detach protection against accidental contact (6) and detach electrical line circuit 30 (7)		
7	Detach electrical line circuit 50 (9)		
8.1	Remove bolt (3) and remove catalytic converter (8)	Model 215, 220, 240	
8.2	Remove bolt (3)	Model 230	
9	Remove starter (M1) from below		
10	Check ring gear on drive plate for wear and damage	When replacing the starter (M1) Rotate engine at crankshaft in direction of rotation.	
	Install		
11	Position starter (M1) at crankcase		
12.1	Loosely position bolt (3) with catalytic converter bracket (8)	Model 215, 220, 240	
12.2	Loosely position bolt (3)	Model 230	
13	Connect electrical line circuit 50 (9)		*BA15.30-P-1002-01G
14	Connect electrical line circuit 30 (7) and attach protection against accidental contact (6)		*BA15.30-P-1001-01G
15	Loosely position bolts (1,2) on the heat shield (5)	Pay attention to cable clamp at bolt (1).	
16	Loosely position bolt (4)	Pay attention to heat shield (5).	
17	Tighten bolts (3, 4)		*BA15.30-P-1003-01G
18	Tighten bolts (1, 2) for heat shield (5)		*BA15.30-P-1004-01G
19.1	Install right three way catalytic converter	Model 220.179 Model 215, 220.176 Model 240	AR49.10-P-5500M AR49.10-P-5531H
19.2	Install exhaust system complete	Model 230	AR49.10-P-7000RB
20	Connect ground cable to battery	Model 215, 220 Model 230 without code (P99) Special model "AMG Black Series" Model 230 with code (P99) Special model "AMG Black Series" Model 240	AR54.10-P-0003I AR54.10-P-0003R AR54.10-P-0003RBS AR54.10-P-0003H
21	Carry out function check		
22	Perform basic programming	Model 215, 220 Model 230 Model 240	AR00.19-P-0200M AR00.19-P-0200R AR00.19-P-0200H
23	Read out fault memory and erase	When the work is complete stored faults must be worked on in the diagnostic trouble code memories and erased. ↓ Connect STAR DIAGNOSIS and read out fault memory	AD00.00-P-2000-04A

Starter

Number	Designation		Engine	Engine
			285	275
BA15.30-P-1001-01G	Nut, connection for circuit 30	Nm	14	14

BA15.30-P-1002-01G	Nut, connection for circuit 50	Nm	6	6
BA15.30-P-1003-01G	Bolt connecting starter to crankcase	Nm	38	42
BA15.30-P-1004-01G	Bolt, heat shield to crankcase	Nm	8	8