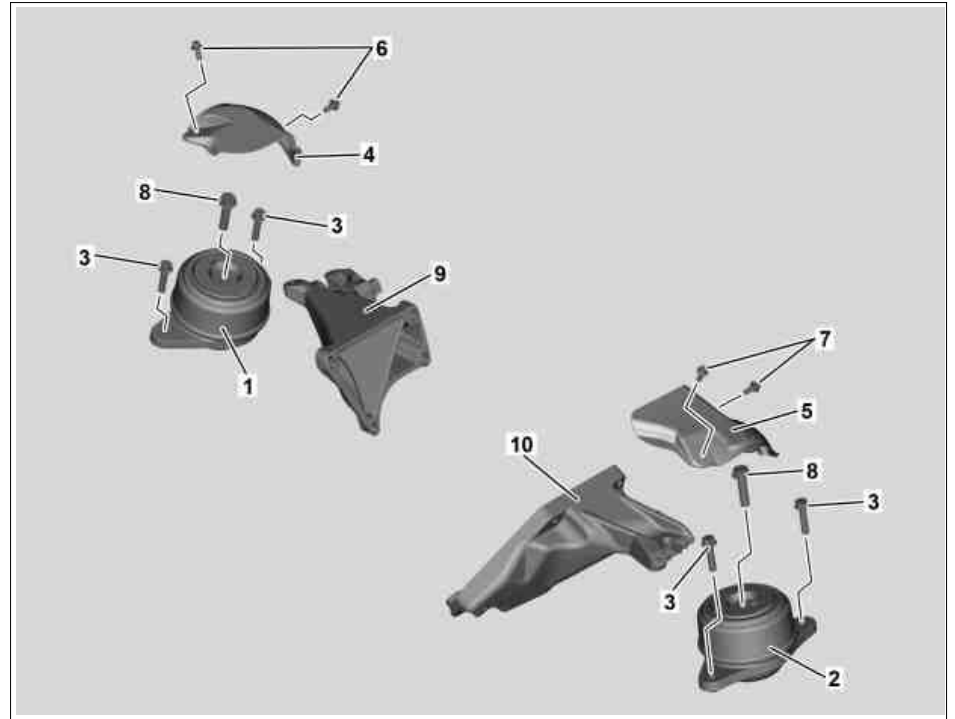


ENGINE 272, 273 in MODEL 212
with CODE M005 (4MATIC)

Modification notes

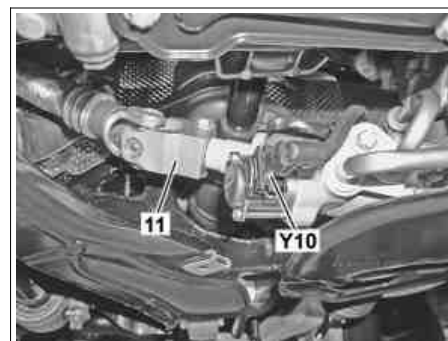
11.8.14	Detach A/C compressor, place with attached lines to one side and secure against falling down	Operation step 9	
11.8.14	Detach alternator (14), place with attached lines to one side and secure against falling down, added	Operation step 10	

- 1 Right hand engine mount
- 2 Left engine mount
- 3 Screw/bolts
- 4 Right heat shield
- 5 Left heat shield
- 6 Screw/bolts
- 7 Screw/bolts
- 8 Screw/bolts
- 9 Right engine support
- 10 Left engine support

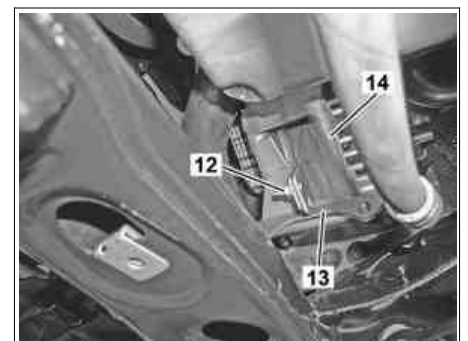


P22.10-2351-06

- 11 Steering coupling
- 12 Nut
- 13 Bracket
- 14 Alternator
- Y10 Speed-sensitive power steering solenoid valve

















P46.10-3125-01



P46.25-2165-01

Danger !	Risk of death caused by vehicle slipping or toppling off of the lifting platform.	Align vehicle between vehicle lift columns and position the four support plates at the vehicle lift support points specified by the vehicle manufacturer.	AS00.00-Z-0010-01A
	Notes on self-locking nuts and bolts		AH00.00-N-0001-01A
	Remove/install		
1	Detach ground line from battery		AR54.10-P-0003EW

2	Move front wheels to straight-ahead position and secure steering wheel	<p> The steering wheel must not be turned when detaching steering coupling. The clock spring contact will be destroyed otherwise.</p> <p> Retainer device</p>	*129589012100
3	Remove air filter housing		AR09.10-P-1150EWS
4	Remove screw/bolt (3)	<p> Bolt, front engine mount to front axle carrier</p> <p> Engine mount wrench set</p>	*BA22.10-P-1002-03E *001589011600
5	Unclip electrical connections on oxygen sensors on bracket, disconnect and expose feed lines	 The electrical connections for right oxygen sensor upstream of catalytic converter and right oxygen sensor downstream of catalytic converter are located below the air filter housing in the area of the transmission bell housing.	
6	Remove screw/bolts (7) on left heat shield (5) of the left engine mount (2)		
7	Remove lower engine compartment paneling		AR61.20-P-1105EW
8.1	Remove right catalytic converter	ENGINE 273 in MODEL 212 with CODE M005 (4MATIC)	AR49.10-P-7100EW
8.2	Remove right and left catalytic converter	ENGINE 272 in MODEL 212 with CODE M005 (4MATIC)	AR49.10-P-7100EW
9	Detach A/C compressor, place with attached lines to one side and secure against falling down	ENGINE 272 in MODEL 212 with CODE M005 (4MATIC)	AR83.55-P-5300EW
10	Detach alternator (14); place with attached lines to one side and secure against falling down	MODEL 212 with ENGINE 272 with CODE M005 (4MATIC)	AR15.40-P-5032EW
11	Remove screw/bolts (6) on left heat shield (4) of the right engine mount (1)		
12	Remove right heat shield (4) on the right engine mount (1)		
13	Detach steering coupling (11) from rack-and-pinion steering	 Installation: Replace self-locking nut.	AR46.10-P-8000EW
14	Remove left heat shield (5) from the left engine mount (2)	 Remove heat shield (5) along steering shaft.	
15	Unscrew screw/bolts (8) from engine mounts (1, 2)	 Bolt, front engine mount to engine support	*BA22.10-P-1001-03E
16	Mount engine hoist and raise engine	<p> Do not put lines and hose under tension. In the case of tensile stress there is a threat of damage.</p> <p> Only mount shackle on front engine suspension lug.</p>	AR33.10-P-0105EW
17	Support rack-and-pinion steering against falling down		
18	Disconnect electrical connection from SPS solenoid valve (Y10)		
19	Detach rack-and-pinion steering from front axle carrier and lower	ENGINE 272, 273 in MODEL 212 with CODE M005 (4MATIC) without CODE 211 (Direct-Steer system) ENGINE 272, 273 in MODEL 212 with CODE 211 (Direct-Steer system) with CODE M005 (4MATIC)	AR46.20-P-0600EW AR46.20-P-0600EL
20	Unscrew nut (12) and detach oil line for power steering from bracket (13) on alternator (14)	 Nut, high-pressure line to alternator bracket	*BA46.30-P-1006-01T
21	Remove right engine mount (1) to the front and down	<p> Remove engine mount (1) between front axle carrier and lower rack-and-pinion steering.</p> <p> Engine mounts (1, 2) must always be replaced in pairs.</p> <p> Installation: Align anti-twist lock on right engine mount (1) to cutout on right engine support (9).</p>	

		<p>i Pay attention to environmental protection regulations for disposal of engine mounts (1, 2). Dispose of engine mounts (1, 2) into mixed scrap.</p> <p>Nm Bolt, front engine mount to engine support</p>	*BA22.10-P-1001-03E
22	Remove left engine mount (2) downward toward front	<p>i Remove left engine mount (2) between front axle carrier and lower rack-and-pinion steering.</p> <p>i Engine mounts (1, 2) must always be replaced in pairs.</p> <p>i Installation: Align anti-twist lock of left engine mount (2) with cutout of left engine support (10).</p> <p>i Pay attention to environmental protection regulations for disposal of engine mounts (1, 2). Dispose of engine mounts (1, 2) into mixed scrap.</p> <p>Nm Bolt, front engine mount to engine support</p>	*BA22.10-P-1001-03E
23	Install in the reverse order		

Nm Engine mount, engine support (engine side)

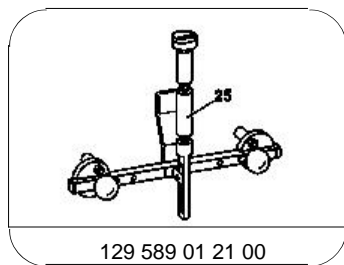
Number	Designation			MODEL 212
BA22.10-P-1001-03E	Bolt, front engine mount to engine support	M10	Nm	50
		M12	Stage 1 Stage 2	Nm ∠° 90

Nm Engine mount, engine support (engine side)

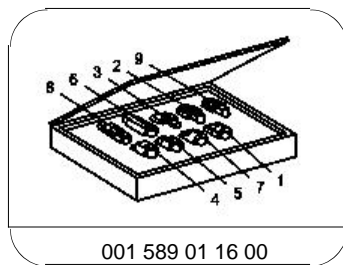
Number	Designation			MODEL 212
BA22.10-P-1002-03E	Bolt, front engine mount to front axle carrier	M8	Nm	28

Nm Power steering pump

Number	Designation			MODEL 212
BA46.30-P-1006-01T	Nut, high-pressure line to alternator bracket		Nm	8



Retainer device



Engine mount wrench set