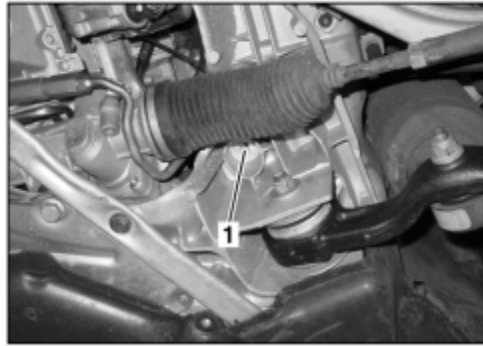
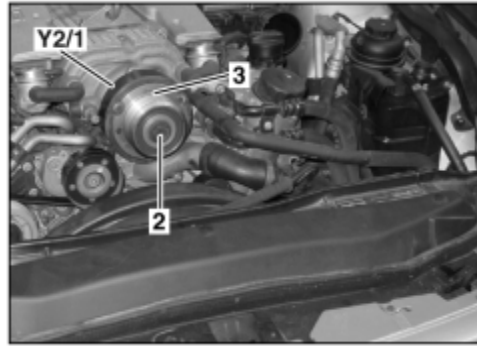


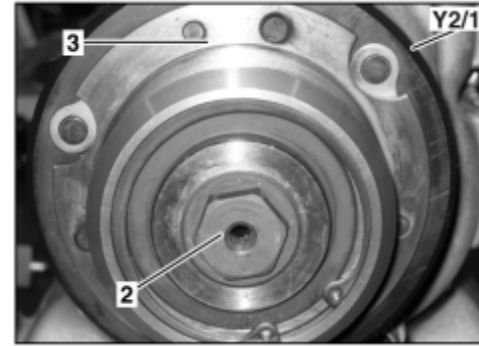
ENGINE 113.990



1 Front engine mount



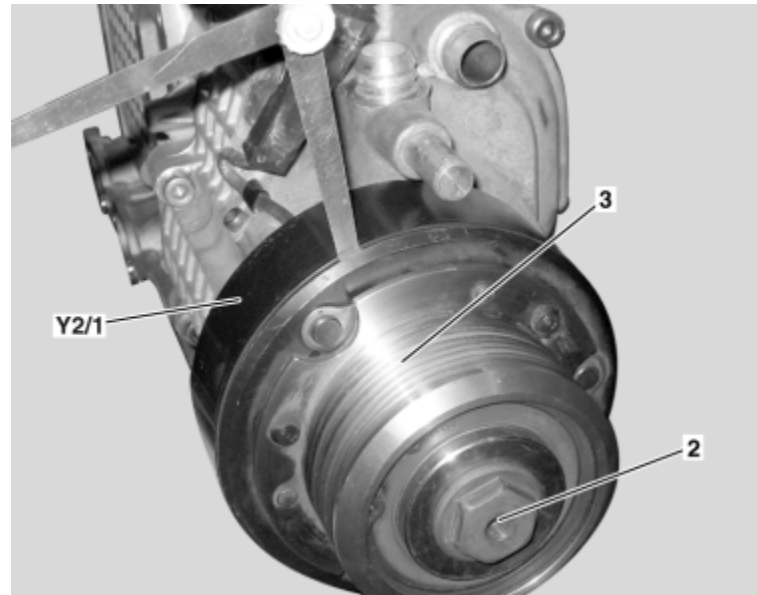
2 Center bolt  
3 Compressor belt pulley



Y2/1 Supercharger magnetic clutch

P09.50-2101-07

2 Center bolt  
3 Compressor belt pulley  
Y2/1 Supercharger magnetic clutch








P09.50-2097-11

















2 Center bolt







3 Compressor belt pulley  
 6 Bracket  
 Y2/1 Supercharger magnetic clutch

P09.50-2098-11

	<b>Remove</b>		
 <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 running engine	Secure vehicle to prevent it from moving by itself. Wear closed and snug-fitting work clothes. Do not grasp hot or rotating parts.	<a href="#">AS00.00-Z-0005-01A</a>
 <b>Danger!</b>	<b>Risk of death</b> caused by vehicle slipping or toppling off the lifting platform.	Align vehicle between the columns of the lifting platform and position the four support plates at the lifting platform support points specified by the vehicle manufacturer.	<a href="#">AS00.00-Z-0010-01A</a>
 <b>Danger!</b>	<b>Risk of injury</b> caused by <b>fingers being jammed or pinched</b> when removing, installing or aligning hoods, doors, trunk lid/rear-end door or sliding roof.	When moving components, ensure that no body parts or limbs are within the operating range of moving parts.	<a href="#">AS00.00-Z-0011-01A</a>
1	Open engine hood and raise to vertical position	Model 211	<a href="#">AR88.40-P-1000T</a>
2	Remove ribbed V-belt	 Slacken only poly-V-belt and remove it from the compressor belt pulley (3).	

		Model 211	<a href="#">AR13.21-P-1202RVK</a>
3	Remove bottom engine compartment paneling	Model 211	<a href="#">AR61.20-P-1105T</a>
4	Loosen both front engine mounts (1)	 Model 211	<a href="#">BA22.10-P-1001-01L</a>
5	 Mount bracket on supercharger housing	 Bracket	<a href="#">112 589 00 62 00</a>
6	Raise engine with engine crane until the center bolt (2) is accessible with an impact wrench	 Ensure that the coolant hoses and hydraulic lines of the power steering pump are not overstretched.	
7	Remove center bolt (2)	 Loosen center bolt using impact wrench.	
			<a href="#">BA09.50-P-1007-01B</a>
8	Remove supercharger belt pulley (3)	If belt pulley is seized  use pulley with corresponding  clamping pliers  To pull off, screw in center bolt without shim and use as a support.	
		 Clamping pliers for M112	<a href="#">000 589 02 34 00</a>
		 Clamping pliers for M113	<a href="#">124 589 01 34 00</a>
		 Puller	<a href="#">001 589 50 33 00</a>
	<b>Install</b>		
9	Attach compressor belt pulley (3) to the magnetic clutch (Y2/1)		
10	Measure clearance at the compressor belt pulley (3)	 Fit center bolt (2) of supercharger belt pulley (3), then measure at 3 points. The clearance can be corrected with supplied graduated disks.	
		Clearance	<a href="#">BE09.50-P-1001-01A</a>
11	Tighten center bolt (2) of compressor belt pulley (3)	 Clean threads. Glue in center bolt (2) with Loctite. Hold magnetic clutch (Y2/1) with  bracket (6).	

		 Bracket	<a href="#">126 589 00 40 00</a>
		 Universal tensioning strap	<a href="#">WH58.30-Z-1081-06A</a>
		 Nm	<a href="#">BA09.50-P-1007-01B</a>
		Loctite 243 adhesive	<a href="#">BR00.45-Z-1013-02A</a>
12	Install poly-V-belt	Model 211	<a href="#">AR13.21-P-1202RVK</a>
13	Raise vehicle and tighten both the front engine mounts (1)	 Model 211	<a href="#">BA22.10-P-1001-01L</a>
14	Install lower engine compartment paneling	Model 211	<a href="#">AR61.20-P-1105T</a>
15	Carry out engine test run		
16	Close engine hood	Model 211	<a href="#">AR88.40-P-1000T</a>

#### Electromagnetic clutch

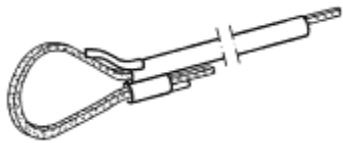
Number	Designation	Engine 113.990
BE09.50-P-1001-01A	Clearance	mm 0.35...0.45

#### Supercharger

Number	Designation	Engine 113.990
BA09.50-P-1007-01B	Center bolt on compressor belt pulley	Nm 60

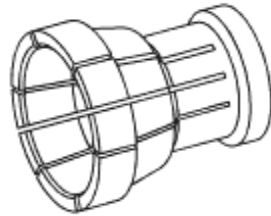
#### Engine mounts, engine supports

Number	Designation	Engine 113.990
BA22.10-P-1001-01L	Bolt, front engine mounts to front axle carrier	Nm 35



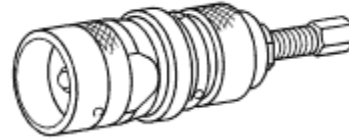
126 589 00 40 00

Bracket



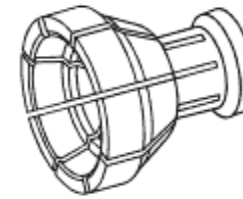
000 589 02 34 00

Clamping pliers



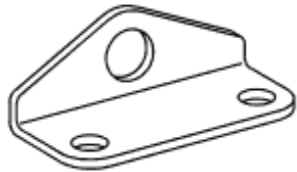
001 589 50 33 00

Puller



124 589 01 34 00

Clamping pliers



112 589 00 62 00

Bracket

**Commercially available tools** (see Workshop Equipment Manual)

Number	Designation	Make (e.g.)	Order number
WH58.30-Z-1081-06A	Universal tensioning strap	Hazet D-42804 Remscheid	4640-1

**Auxiliary repair materials**

Number	Designation	Order number
BR00.45-Z-1013-02A	Loctite 243 adhesive	003 989 31 71