











P46.30-2107-09

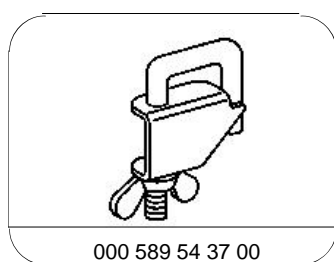
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|--|--|--|
| <p>08 Clamping device</p> <p>30 Power steering pump</p> <p>30f Power steering pump reservoir feed line</p> <p>30i High pressure expansion hose</p> | <p>30s Ground cable</p> <p>30t Power steering pump bracket</p> <p>41 Belt pulley</p> <p>41a Belt pulley bolts</p> <p>58 ABC supply reservoir feed line</p> | <p>59 ABC high-pressure hose</p> <p>59a Banjo bolt</p> <p>59b ABC high pressure hose bracket</p> <p>Y86/1 ABC suction restrictor valve</p> |
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 	Remove/install		
	Notes on Active Body Control suspension		AH32.50-P-0001-01N
1	Remove fan shroud		AR20.40-P-6800AB
2	Remove lower engine compartment paneling		
3	Loosen belt pulley bolts (41a)	 Bolt, belt pulley	*BA46.30-P-1006-01S
4.1	Remove poly-V belt for supercharger	Model 230.474	AR13.21-P-1202RVK
5	Remove poly-V belt		AR13.22-P-1202R
6	Remove belt pulley bolts (41a) and remove belt pulley (41)		
7	Unscrew tensioner roller of poly V-belt tensioning device		
8	Unplug connector from ABC suction restrictor valve (Y86/1)		
9	Use clamp (08) to pinch off feed line (58) of ABC reservoir and detach	 Clamping device	*000589543700
10	Use clamp (08) to pinch off power steering pump reservoir feed line (30f) and detach from power steering pump (30)	 Clamping device	*000589543700
11	Detach reservoir for power steering pump (30) and place to one side		
12	Unscrew bracket for high pressure expansion hose (30i) from power steering pump (30)		
13	Unscrew the high pressure expansion hose (30i) from the power steering pump (30).	 Seal off line connection with blind plug.  <b>Installation:</b> Replace sealing rings.  High-pressure stretch hose	*BA46.30-P-1009-01S
14	Detach ground cable (30s) at rear from power steering pump bracket (30t).		
15	Unscrew bracket for ABC high pressure hose (59) from oil pan		
16	Unscrew ABC high pressure hose bracket (59b) from refrigerant compressor		
17	Unscrew ABC high-pressure hose (59)	 <b>Installation:</b> Replace O-rings of ABC [Active Body Control] high pressure hose (59)	

		Banjo bolt	*BA46.30-P-1009-01S
18	Unbolt power steering pump bracket (30t) from power steering pump (30)	Two bolts.	
19	Unbolt bracket of power steering pump (30t) at engine block.		
20	Detach and remove power steering pump (30)	One nut at the rear, two bolts at the front. Replace self-tapping screws if necessary, observing the following: <ul style="list-style-type: none"> <li>● Never retap the thread.</li> <li>● Use original bolts only.</li> <li>● Do not hold bolts at an angle when screwing in.</li> <li>● Do not use an impact wrench.</li> </ul> Self-tapping bolt	*BA46.30-P-1002-01S
21	Install in the reverse order		
22	Fill and bleed active body control (ABC)		AR32.50-P-0021N
23	Fill and bleed power steering pump (30)		AR46.30-P-0010N

#### Power steering pump

Number	Designation	Model 230 with engine 113
BA46.30-P-1002-01S	Self-tapping screw, tandem pump/power steering pump to timing case	Thread not pre-tapped Nm 35
		Thread pre-tapped Nm 20
BA46.30-P-1006-01S	Bolt, belt pulley to tandem pump/power steering pump	Nm 30
BA46.30-P-1009-01S	Banjo bolt/union nut, high-pressure expansion hose (line) to tandem pump/power steering pump	Nm 40



000 589 54 37 00

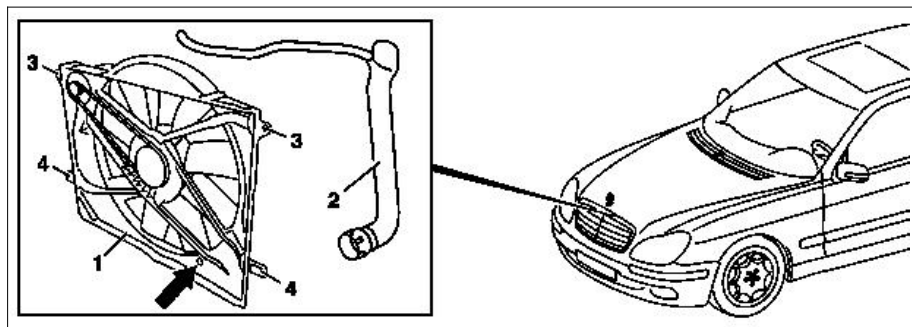
Clamping device

AR20.40-P-6800AB	Remove/install fan shroud	24.1.06
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**ENGINES** 112, 113 in MODEL 220  
**ENGINE** 113 in MODEL 215  
**ENGINE** 113.963 in MODEL 230.475  
**ENGINE** 113.992 in MODEL 230.474  
**ENGINE** 112.973 in MODEL 230.467  
**ENGINE** 113.995 in MODEL 230.472

Shown on model 220 with M112

- 1 Fan shroud
- 2 Coolant line
- 3 Fastening shackle
- 4 Retaining lug



P20.40-2001-04

#### Modification notes

22.11.02	Detach coolant line on expansion reservoir - added	Step 5	
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	<b>Danger!</b>	<b>Remove/install</b>		
		<b>Risk of injury</b> to skin and eyes caused by scalding from contact with hot coolant spray. <b>Risk of poisoning</b> from swallowing coolant.	Do not open cooling system unless coolant temperature is below 90°C. Open cap slowly and release pressure. Do not pour coolant into beverage containers. Wear protective gloves, protective clothing and safety glasses.	AS20.00-Z-0001-01A
1		Drain coolant from radiator	Engines 112, 113 except engines 113.963 /992 /995 Engines 113.963/ 992/ 995	AR20.00-P-1142HA AR20.00-P-1142RVK
2		Remove left air intake pipe to air filter		
3		Unscrew bolts from retaining tabs (3) on fan shroud (1)		
4		Disconnect electric plug connections for suction fan		
5		Detach expansion reservoir coolant line on coolant line thermostat housing to engine radiator		
6		Detach coolant line (2) at bottom right on engine radiator		
7.1		Remove plate attaching ATF line	Models 215, 220 At bottom of fan shroud (arrow).	
7.2		Lever off clips at top of fan shroud	Model 230	
8		Remove fan shroud (1)	Pull fan shroud with retaining tabs (4) out of retaining lugs on radiator.	
9		Install in the reverse order		
10		Check coolant level and cooling system for leaks	Engines 112, 113 except engines 113.963 /991 /992 /995 Engines 113.963 /991 /992 /995	AR20.00-P-1010HA AR20.00-P-1010RVK

## Operation items list

Work order for: 00 P.C.

Order number:

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Date: 25.12.2013

Time: 19:32

Vehicle identification number: WDB 230 475 1F 008485

Family: 23 230 SL-Class

Model code: 21 SL 500

Sales designation: SL 500

Engine: 113 963

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46-3900-06	4.3	Power steering pump Remove/install
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1 Op. item	Total: 4.3 Hrs.
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