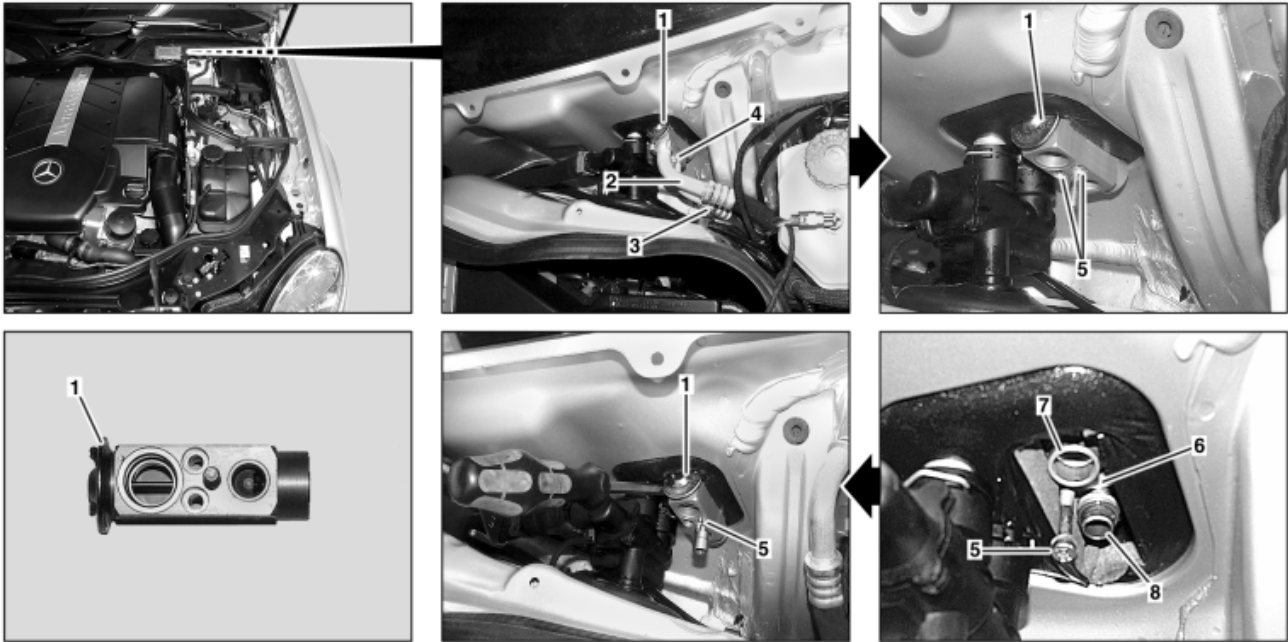


AR83.30-P-5520T

Remove and install expansion valve

20.11.01

MODEL 211















P83.30-3606-09

1 Expansion valve  
2 Suction pipe  
3 Pressure line

4 Nut  
5 Bolts  
6 Retaining plate

7 Suction pipe  
8 Pressure line

	<b>Remove</b>		
<b>Danger!</b>	<b>Risk of explosion</b> caused by welding or soldering work on closed air conditioning system. <b>Risk of poisoning</b> caused by inhaling overheated refrigerant vapors. <b>Risk of injury</b> to skin and eyes caused by contact with liquid refrigerant.	Never perform welding work on or near a closed air conditioning system. No smoking or open flames. Wear safety glasses and protective gloves. Work only in well ventilated areas. Carry out repair work on the air conditioning system circuit only after the system has been discharged.	<a href="#">AS83.00-Z-0001-01A</a>
	Conduct if air conditioning system is damaged or leaking		<a href="#">AH83.30-N-0004-01A</a>
	Protect air conditioning circuit and components from moisture when carrying out repair work		<a href="#">AH83.30-N-0005-01A</a>
	Notes on handling refrigerant R134a		<a href="#">AH83.30-N-0003-01A</a>
1	Drain air conditioning (recycle)	Note suctioned off compressor oil quantity.	
		Air conditioning evacuation, recycling and charging unit for R134a refrigerant	<a href="#">WH58.30-Z-1003-16A</a>
2	Remove wiper system		<a href="#">AR82.30-P-6400T</a>
3	Unscrew nut (4)		
4	Detach intake line (2) and pressure line (3) from expansion valve (1)	Seal openings on suction line (2) and pressure line (3) as otherwise dirt or moisture may penetrate.	

		 Set of plugs for air conditioning system	<a href="#">WH58.30-Z-1004-27A</a>
5	Undo screws (5) and remove expansion valve (1)	 Seal openings on suction line (7) and pressure line (8) as otherwise dirt or moisture may penetrate.	
		 Set of plugs for air conditioning system	<a href="#">WH58.30-Z-1004-27A</a>
	<b>Install</b>		
6	Replace sealing rings of suction line (7) and pressure line (8) and moisten bolt thread (5) with compressor oil		
7	Screw bolt (5) into retaining plate (6), pull retaining plate (6) forwards and counterhold using a suitable screwdriver		
8	Undo bolt (5) from retaining plate (6)		
9	Fit expansion valve (1) and turn in bolts (5)	 Tighten screws (5) alternately to prevent canting.	
			<a href="#">BA83.30-P-1002-01A</a>
10	Fit intake pipe (2) and pressure line (3) to expansion valve (1) and screw in nut (4)	 The suction line (2) and pressure line (3) must not make contact with the body, as otherwise the suction line (2) or pressure line (3) may be damaged.	
		 Replace sealing ring and moisten thread with compressor oil.	
			<a href="#">BA83.30-P-1001-01A</a>
11	Install wiper system		<a href="#">AR82.30-P-6400T</a>
12	Replace fluid reservoir		<a href="#">AR83.30-P-6520T</a>
13	Evacuate air conditioning system, fill and check for leaks	 The refrigerant compressor can be damaged by the addition of too much or too little compressor oil.	
		 Air conditioning evacuation, recycling and charging unit for R134a refrigerant	<a href="#">WH58.30-Z-1003-16A</a>
		 Add noted quantity of compressor oil (new compressor oil) to air conditioning when filling.	
		 Air conditioning system leak detector	<a href="#">WH58.30-Z-1001-27A</a>

 **Air conditioning system**

Number	Designation	Model 211
BA83.30-P-1001-01A	Nut on expansion valve	Nm 10
BA83.30-P-1002-01A	Bolt of expansion valve	Nm 8

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

Number	Designation	Make (e. g.)	Order number
WH58.30-Z-1003-16A	Air conditioning draining, evacuating and filling equipment for refrigerant R134a	Behr GmbH u. Co. KG D-70469 Stuttgart	36.113.00.002 SECUMat 134a
WH58.30-Z-1001-27A	Air conditioning leak detector	Behr GmbH u. Co. KG	988 047

		70469 Stuttgart	Model 5650
WH58.30-Z-1004-27A	Set of plugs for air conditioning system	-	140 830 01 27