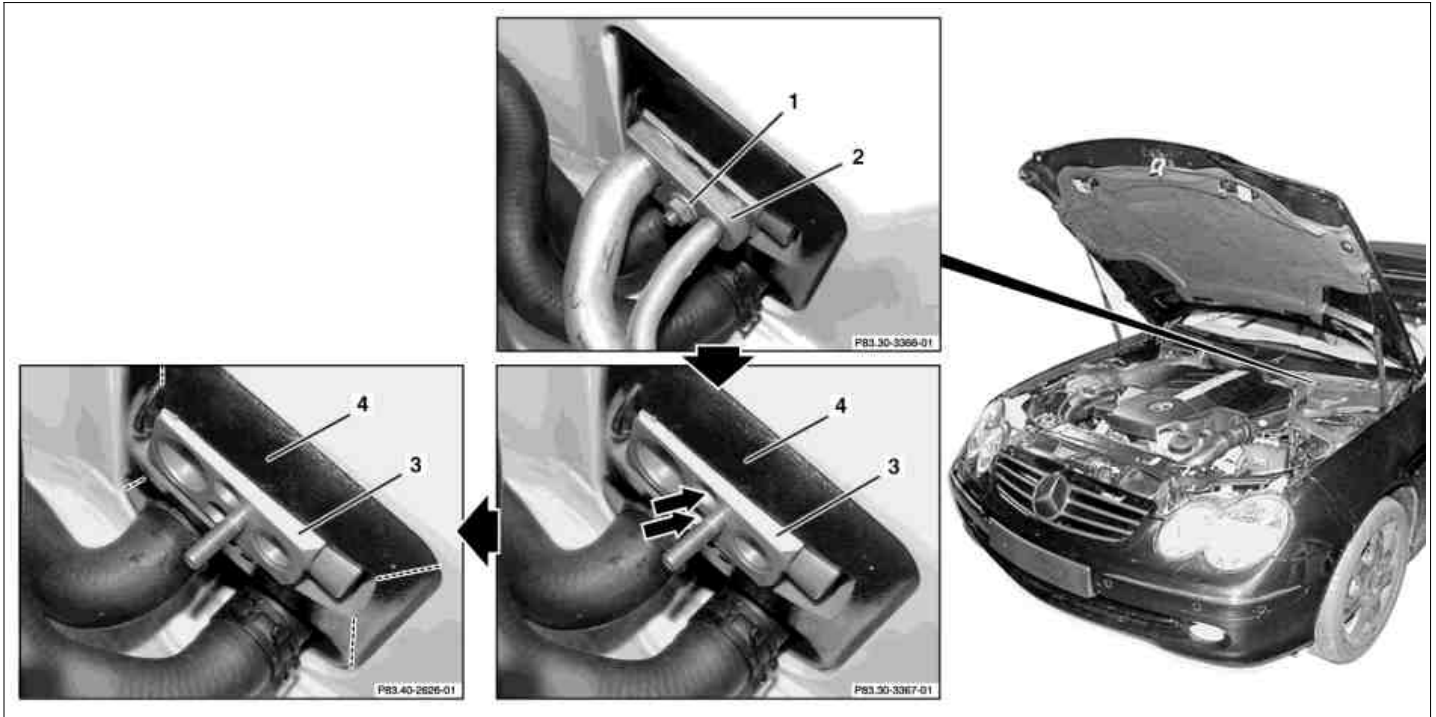


**MODEL 209**

with CODE (580) Automatic air conditioning

with CODE (581) Comfort automatic air conditioning









P83.40-2625-09

1 Nut on expansion valve  
2 Retaining plate

3 Expansion valve

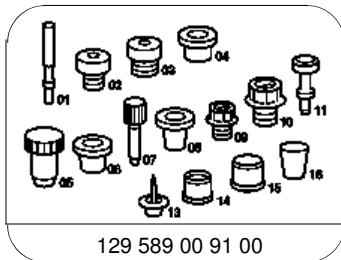
4 Firewall seal

☒ ☒	Remove/install		
⚠ <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.	AS83.00-Z-0001-01A
ⓘ	Procedure for a damaged or leaky air conditioning system	All models	AH83.30-N-0004-01A
ⓘ	Notes on handling refrigerant R134a	All models fitted with air conditioning	AH83.30-N-0003-01A
⚠ <b>Danger!</b>	<b>Risk of injury caused by moving parts that can pinch, crush or, in extreme cases even sever extremities.</b>	Always remove ignition key when working on windshield wiper mechanism.	AS82.30-Z-0001-01A
1	Remove wiper system		AR82.30-P-6400P
2	Remove desiccant cartridge	<b>i</b> <b>Installation:</b> Observe additional oil filling quantity after replacing parts. <b>i</b> <b>Installation:</b> The desiccant cartridge must be replaced after the refrigerant circuit has been opened. Model 209 with dryer at side Model 209 with dryer underneath	AR83.30-P-6521P AR83.30-P-6521PA
3	Unscrew expansion valve nut (1)	Nm	*BA83.30-P-1001-01D
4	Remove pressure lines together with retaining plate (2)	<b>⚠</b> Plug pressure line openings to avoid contamination. <b>i</b> <b>Installation:</b> Install new O-rings and moisten with compressor oil. <b>☑</b>	*129589009100

5	Unscrew screws (arrows)	 <b>Installation:</b> In order to prevent offsetting of the pressure lines (thereby avoiding damage to the O-rings), tighten screws in an alternating pattern. 	*BA83.30-P-1002-01D
6	Pull out expansion valve (3)	 Seal openings with suitable plugs in order to avoid contamination.  <b>Installation:</b> Replace O-rings. Moisten threads and O-rings with compressor oil. 	*129589009100
7	Make an incision in the firewall seal (4)	 See illustration.	
8	Install in the reverse order		
9	Check air conditioning system for proper function		

 **Air conditioning system**

Number	Designation		Model 203, 209
BA83.30-P-1001-01D	Nut on expansion valve	Nm	8
BA83.30-P-1002-01D	Bolt for expansion valve	Nm	10



Set of stop plugs