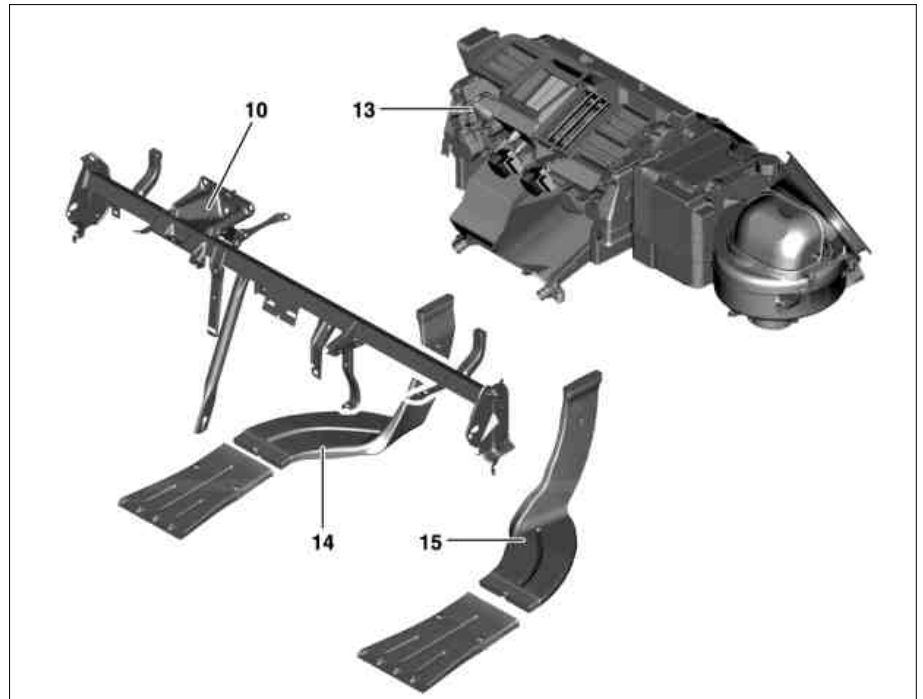


MODEL 209

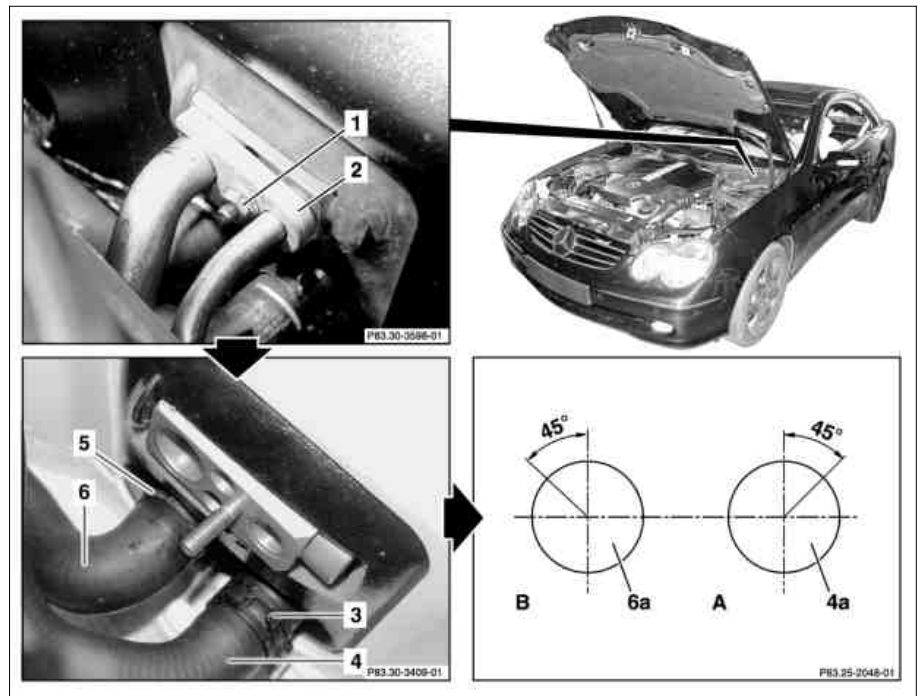
Illustrated on air conditioner housing of convenience automatic air conditioning

- 10 Instrument panel carrier
- 13 AC housing
- 14 Air duct to left rear compartment
- 15 Air duct to right rear compartment

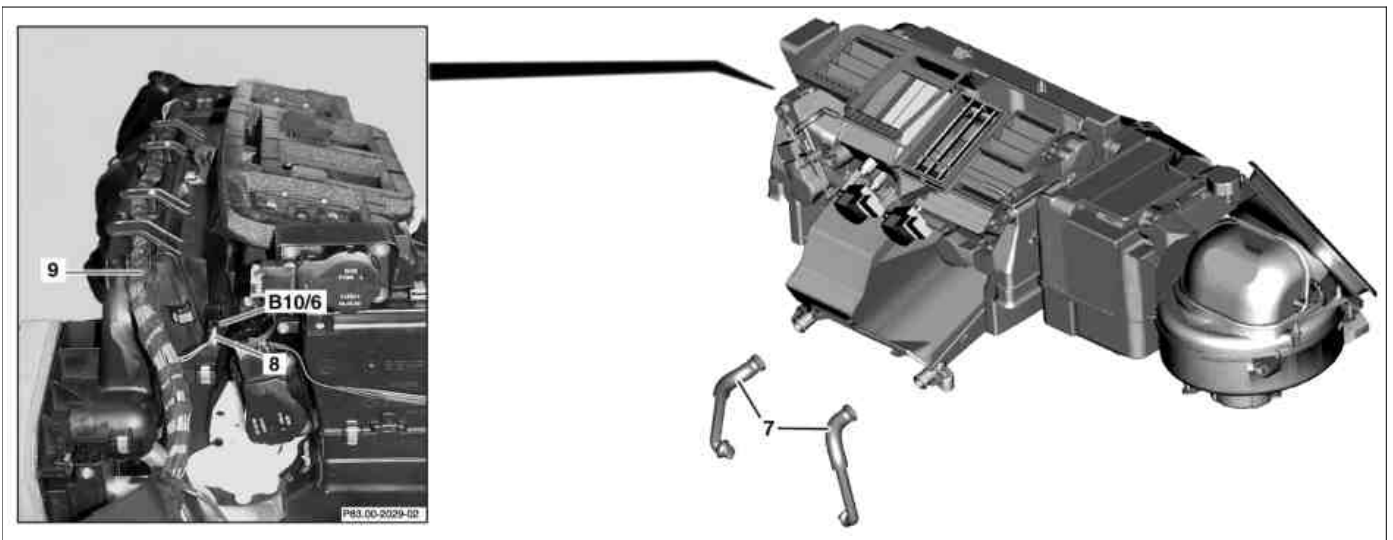


P83.40-2376-06

- 1 Nut
- 2 Retaining plate
- 3 Hose clamp
- 4 Hot water feed hose
- 4a Fitting for heating water feed hose
- 5 Hose clamp
- 6 Hot water return hose
- 6a Fitting for heating water return hose



P83.40-2377-06














P83.40-2253-08

7 Condensate water drain hoses
8 Clutch

9 Cockpit wiring harness

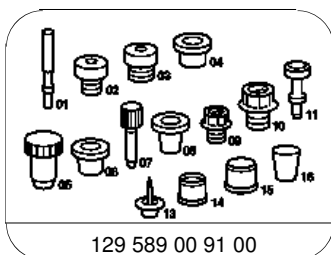
B10/6 Evaporator temperature sensor

☒ ☒	Remove/install		
⚠ Danger!	Risk of injury to skin and eyes caused by scalding from contact with hot coolant spray. Risk of poisoning caused by swallowing coolant.	Do not open cooling system unless coolant temperature is below 90 °C. Open cap slowly and release the pressure. Do not pour coolant into beverage containers. Wear protective gloves, protective clothing and safety glasses.	AS20.00-Z-0001-01A
⚠ Danger!	Risk of explosion caused by welding or soldering work on closed air conditioning system. Risk of poisoning caused by inhaling overheated refrigerant vapors. Risk of injury 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
📌	Notes on coolant		AH20.00-N-2080-01A
📌	Procedure for a damaged or leaky air conditioning system		AH83.30-N-0004-01A
📌	Protect air conditioning circuit and components from moisture when carrying out repair work		AH83.30-P-0005-01P
i	Notes on handling R134a refrigerant	All models with air conditioning	AH83.30-N-0003-01A
1	Open engine hood		AR88.40-P-1000Q
2	Reduce pressure in cooling system		
3.1	Remove engine compartment paneling	Vehicles with gasoline engine i Only front section of engine compartment paneling.	AR61.20-P-1105P
3.2	Remove bottom section of soundproofing	Vehicles with diesel engine i Only front section of soundproofing.	AR94.30-P-5300P
4	Drain coolant at radiator	Engine 112, 113 Engine 156 Engine 271 Engine 272, 273 Engines 612, 646 Engine 642	AR20.00-P-1142PV AR20.00-P-1142TMG AR20.00-P-1142PR AR20.00-P-1142QB AR20.00-P-1142HB AR20.00-P-1142PI
5	Move back driver and front passenger seat as far as they will go		
6	Remove cross member under instrument panel	Model 209.3 Model 209.4	AR68.10-P-1120Q AR68.10-P-1120QA
7	Remove accelerator pedal		
8	Fold back floor covering at front left	i Air duct to left rear compartment (14) must be accessible	
9	Remove air duct to left rear compartment (14)		
10	Fold back floor covering at right front	i Air duct to right rear compartment (15) must be accessible	
11	Remove air duct to right rear compartment (15)		

12	Remove desiccant cartridge	 Installation: Following each opening of the refrigerant circuit the desiccant cartridge has to be replaced, in order to ensure correct functionality of the air conditioning. Observe additional oil quantity after replacing parts. Vehicles with desiccant cartridge at side Vehicles with desiccant cartridge underneath	AR83.30-P-6521P AR83.30-P-6521PA *BA83.30-P-1001-01D
13	Unscrew nut (1)		*BA83.30-P-1001-01D
14	Remove pressure lines together with retaining plate (2)	 Plug openings.   Installation: Replace O-rings and coat with refrigerant compressor oil to prevent leakage.	*129589009100
15	Remove hose clamp (3) from fitting	 Installation: Mount hose clamp (3) at an angle of 45° using hose clamp pliers (picture A).	
16	Remove hot water feed hose (4)	 Plug opening. 	*129589009100
17	Remove hose clamp (5) from fitting	 Installation: Mount hose clamp (5) at an angle of 45° using hose clamp pliers (picture B).	
18	Remove hot water return hose (6)	 Plug opening. 	*129589009100
19	Remove condensate water drain hoses (7)		
20	Disconnect connector (8) from evaporator temperature sensor (B10/6)		
21	Slightly remove air conditioner housing from fire wall		
22	Remove cockpit wiring harness (9) from air conditioner housing		
23	Remove air conditioner housing Notes on removing and installing the air conditioner housing	Long-life grease	*BR00.45-Z-1001-06A AH83.30-P-0006-01GM
24	Install in the reverse order		
25	Perform basic programming		AR00.19-P-0200Q
26	Read out fault memory with STAR DIAGNOSIS		
27	Carry out function check		

Air conditioning

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



Set of stop plugs

Repair materials

Number	Designation	Order number
BR00.45-Z-1001-06A	Long-life grease	A 000 989 63 51 11