

**MODEL 164**

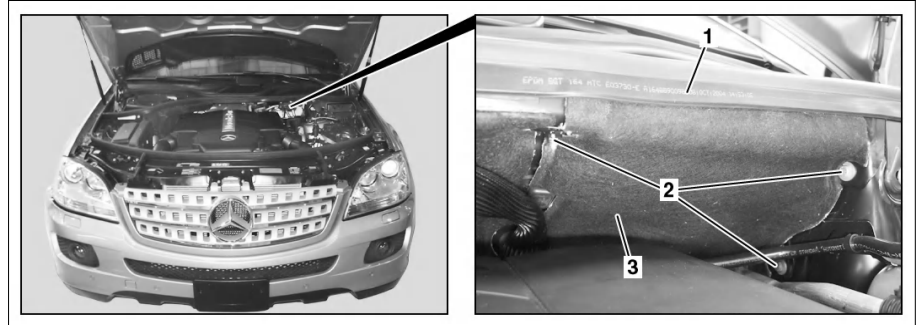
with CODE (580) Automatic air conditioning

with CODE (581) Comfort automatic air conditioning

with CODE (582) Rear air conditioner

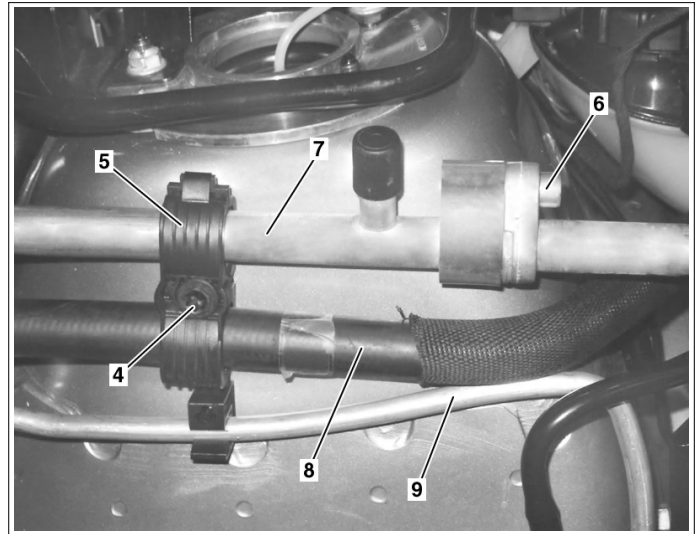
**Shown on model 164.1**

- 1 Engine compartment sealing
- 2 Bolts
- 3 Partition wall section

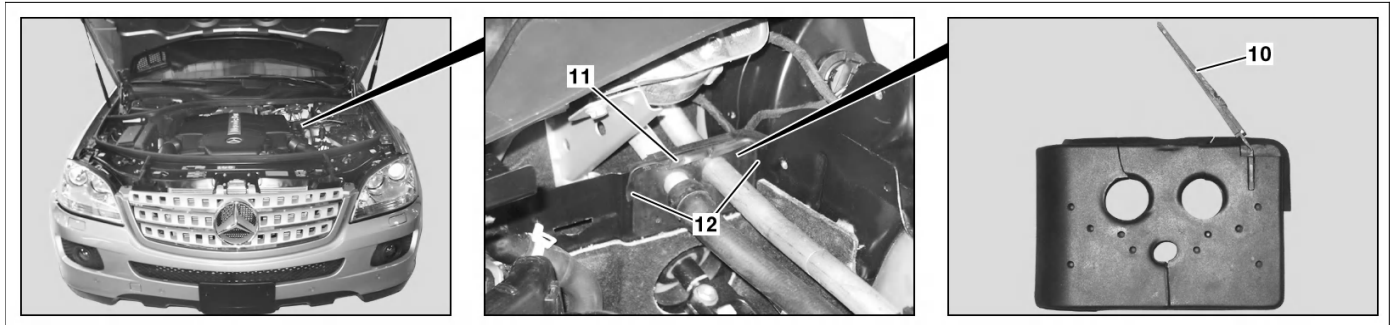


P83.30-4174-04

- 4 Screw
- 5 Bracket
- 6 Screw
- 7 Low pressure pipe
- 8 Heater hose
- 9 High pressure pipe



P83.30-4175-11



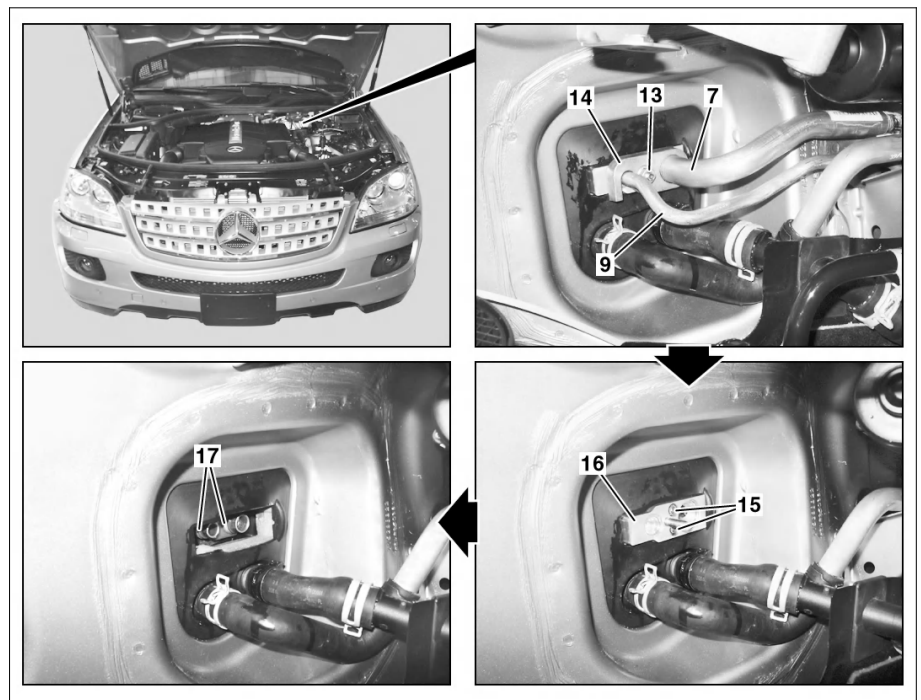
P83.30-4176-07

10 Catch

11 Rubber grommet

12 Partition wall

- 7 Low pressure pipe
- 9 High pressure pipe
- 13 Nut
- 14 Retaining plate
- 15 Bolts
- 16 Expansion valve
- 17 Sealing rings



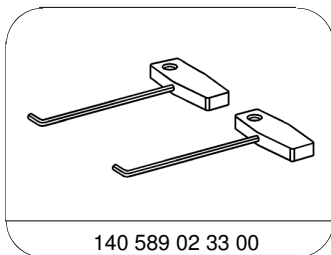
P83.30-4177-06

☒ ☒	Remove/install		
⚠ <b>Danger!</b>	<b>Risk of explosion</b> from welding or soldering work on sealed 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 drained.	AS83.00-Z-0001-01A
⚠	Conduct if air conditioning system is damaged or leaking	All models	AH83.30-N-0004-01A
⚠	Protect air conditioning circuit and components from moisture when carrying out repair work	All models with air conditioning	AH83.30-N-0005-01A
i	Notes on handling refrigerant R134a	Air conditioning with refrigerant R134a	AH83.30-N-0003-01A
1	Drain air conditioning system  Air conditioning draining, evacuating and charging equipment for refrigerant R134a	i <b>Installation:</b> Evacuate, refill and check air conditioner for leaks and proper operation. Air conditioner service unit R134a <a href="#">gotis://E 83 05.0</a>	AR83.30-P-1760GZ
2.1	Remove air filter housing	Engine 113 Engine 156 Engine 272, 273 Engine 629	AR09.10-P-1150GZ AR09.10-P-1150GZS AR09.10-P-1150GZA AR09.10-P-1150GZD
2.2	Remove left-hand air filter housing	Engine 642	AR09.10-P-1150GZB
3	Remove engine compartment sealing (1)	i In area of partition wall section (3).	
4	Remove bolts (2)		
5	Remove partition wall section (3)		
6	Remove screw/bolt (4) from bracket (5)		
7	Unclip brackets (5)		
8	Remove screw (6)		
9	Pull apart low-pressure line (7), seal openings	⚠ The connection fitting openings must be sealed, as otherwise penetrating dirt and moisture can damage the components connected to the refrigerant circuit.  i <b>Installation:</b> Replace sealing ring and moisten with refrigerant compressor oil. Set of plugs for air conditioning system	
10	Unclip low-pressure line (7), hot water hose (8) and high pressure line (9)		
11	Open catch (10) at rubber passage (11)		
12	Remove low-pressure line (7) and hot water hose (8) from rubber passage (11)	i <b>Installation:</b> Check correct seating of rubber passage (11) in partition wall (12).	
13	Unscrew nut (13), remove retaining plate (14)	i <b>Installation:</b> Note installation position of retaining plate.  Nm	*BA83.30-P-1004-01J

14	Remove low-pressure line (7) and high pressure line (9) from expansion valve (16)	<b>i</b> <b>Installation:</b> Replace sealing rings (17) and moisten with refrigerant compressor oil.	
15	Also seal openings of low-pressure line (7) and high-pressure line (9)	<b>!</b> The openings of the low-pressure line (7) and high pressure line (9) must be sealed, as otherwise dirt and moisture will penetrate the components connected to the refrigerant circuit. Set of plugs for air conditioning system	
16	Remove screws/bolts (15) and then remove expansion valve (16).	<b>!</b> <b>Installation:</b> Screw in screws/bolts (15) alternately, as otherwise the expansion valve (16) may be tilted on the connection fittings. <b>i</b> <b>Installation:</b> If the thread of the screws/bolts (15) does not engage, pull out tapping plate using extraction hook, hold in place and screw in screws/bolts (15). Moisten bolts (15) with refrigerant compressor oil. <b>Nm</b> <b>!</b> Pulling hook	*BA83.30-P-1006-01J *140589023300
17	Remove sealing rings (17) and seal openings of connection fittings	<b>!</b> The connection fitting openings must be sealed, as otherwise penetrating dirt and moisture can damage the components connected to the refrigerant circuit. Set of plugs for air conditioning system	
18	Install in the reverse order		
19	Perform function test		

**Nm** Air conditioning

Number	Designation		Model 164.1	Model 164.8
BA83.30-P-1004-01J	Nut, low- and high-pressure lines to expansion valve	Nm	8	8
BA83.30-P-1006-01J	Bolt, expansion valve to retaining plate	Nm	5	5



140 589 02 33 00

Extraction hook