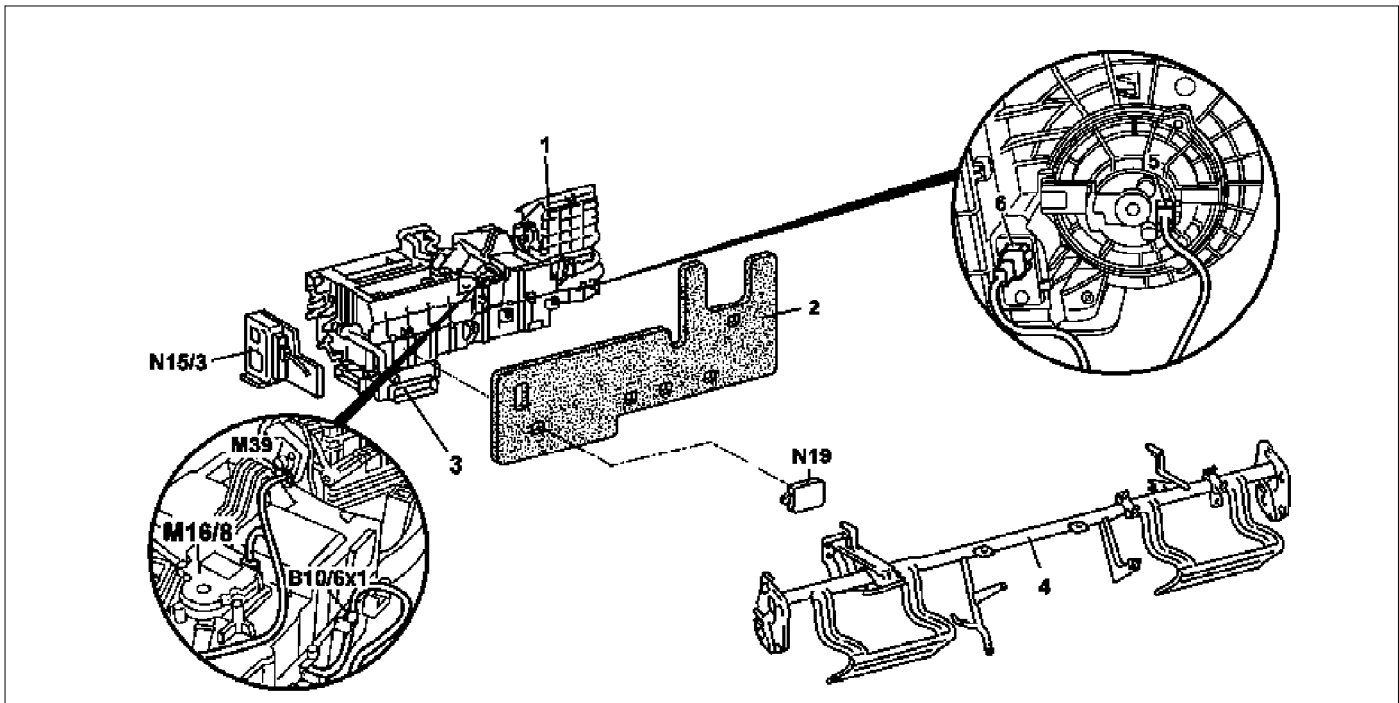


MODELS 163.113 /128 /136 /154 /157 /172 /174 /175 with CODE (580) Air conditioning or Tempmatic for USA

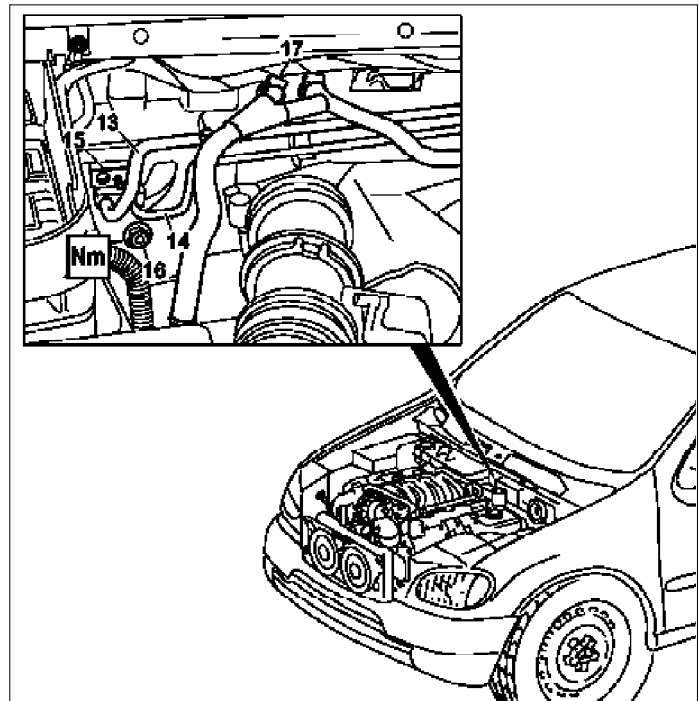


P83.30-0765-09

- 1 A/C housing
- 2 Sound deadener
- 3 Air distributor
- 4 Instrument panel carrier
- 5 Blower motor connector
- 6 Blower motor series resistor connector










- B10/6x1 Evaporator temperature sensor connector
- M16/8 Blending air flap actuator
- M39 Recirculated air flap actuator motor
- N15/3 ETC control module
- N19 AAC control module

- 13 Refrigerant line low pressure
- 14 Refrigerant line high pressure
- 15 Expansion valve
- 16 Self-locking nut
- 17 Heat exchanger refrigerant delivery and return hoses



P83.30-0766-12

☒ ☒	Remove/install		
<p><b>⚠ Danger!</b></p>	<p><b>Risk of explosion</b> from welding or soldering work on closed air conditioning system. <b>Risk of poisoning.</b> Inhaling overheated refrigerant vapors may be toxic. <b>Risk of injury</b> from skin and eye contact with liquid refrigerant.</p>	<p>Do not carry out any welding work on the closed air conditioning system or in the surrounding area. No smoking or open flames. Wear eye protection 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.</p>	<p>AS83.00-Z-0001-01A</p>
<p>ⓘ</p>	<p>Procedures if air conditioning system is damaged or leaking</p>	<p>All models</p>	<p>AH83.30-N-0004-01A</p>

	Protect air conditioning circuit and components from moisture when carrying out repair work	All models fitted with air conditioning	AH83.30-N-0005-01A
	Notes on handling refrigerant R134a	All models fitted with air conditioning	AH83.30-N-0003-01A
 <b>Danger!</b>	<b>Risk of injury</b> to skin and eyes suffering 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 the pressure. Do not pour coolant into beverage bottles. Wear protective gloves, protective clothing and eye protection.	AS20.00-Z-0001-01A
1	Drain coolant	Engine 111 in MODEL 163. Engines 112 /113 in MODEL 163. Engine 628.963 in MODEL 163.128. Engine 612.963 in MODEL 163.113.	AR20.00-P-1142HG AR20.00-P-1142HA AR20.00-P-1142HB AR20.00-P-1142M
2.1	Detach brake line from the front end of the radiator	 Only required for right-hand steering.	
3.1	Detach ignition cable from the front end of the radiator	 Only required on right-hand drive vehicles with ENGINES 111 /112 /113.	
4	Release coolant overflow from battery shield		
5	Disconnect upper coolant hose from the electric coolant pump	 Detach hose clamp from the upper coolant hose.	
6	Unscrew nuts from expansion reservoir at firewall		
7	Remove expansion reservoir from the firewall and lay aside		
8	Disconnect coolant delivery/return hoses for heat exchanger (17)	 Detach hose clamps from coolant delivery/return hoses for heat exchanger.	
9	Discharge air conditioning system	 <b>Installation:</b> Evacuate air conditioning, refill and check for proper operation and leaktightness.	AR83.30-P-1760GH
10	Unscrew self-locking nut (16) at the expansion valve (15)	 Replace self-locking nut. 	*BA83.30-P-1003-01B
11	Detach low-pressure refrigerant line (13) and high-pressure refrigerant line (14) from expansion valve (15)	 <b>Installation:</b> Install new sealing rings and moisten with compressor oil.	
12	Remove instrument panel carrier (4)		AR68.10-P-1111GH
13	Unclip ETC control module (N15/3)		
14	Detach connector from blend air flap actuator (M16/8)		
15	Detach connector from recirculated air flap actuator motor (M39)		
16	Detach evaporator temperature sensor connector (B10/6x1)		
17	Detach blower motor series resistor connector (6)		
18	Detach blower motor connector (5)		
19.1	Remove air conditioning control module (N19)	 Only up to 31.08.01.	AR83.30-P-6600GH
20	Unclip cable set at evaporator housing	 <b>Installation:</b> Ensure correct routing of cable set.	
21	Remove sound deadener (2)		
22	Detach water drain hose from AC housing lower side (1)		
23	Remove AC housing (1)	 Unclip evaporator housing from air distributor and remove upward.	
24	Install in the reverse order		
25	Inspect cooling system for leaks		AR20.00-P-1010HA

 **Air conditioning system**

Number	Designation	Model Series 163
BA83.30-P-1003-01B	Nut to pipeline on expansion valve	NM 10