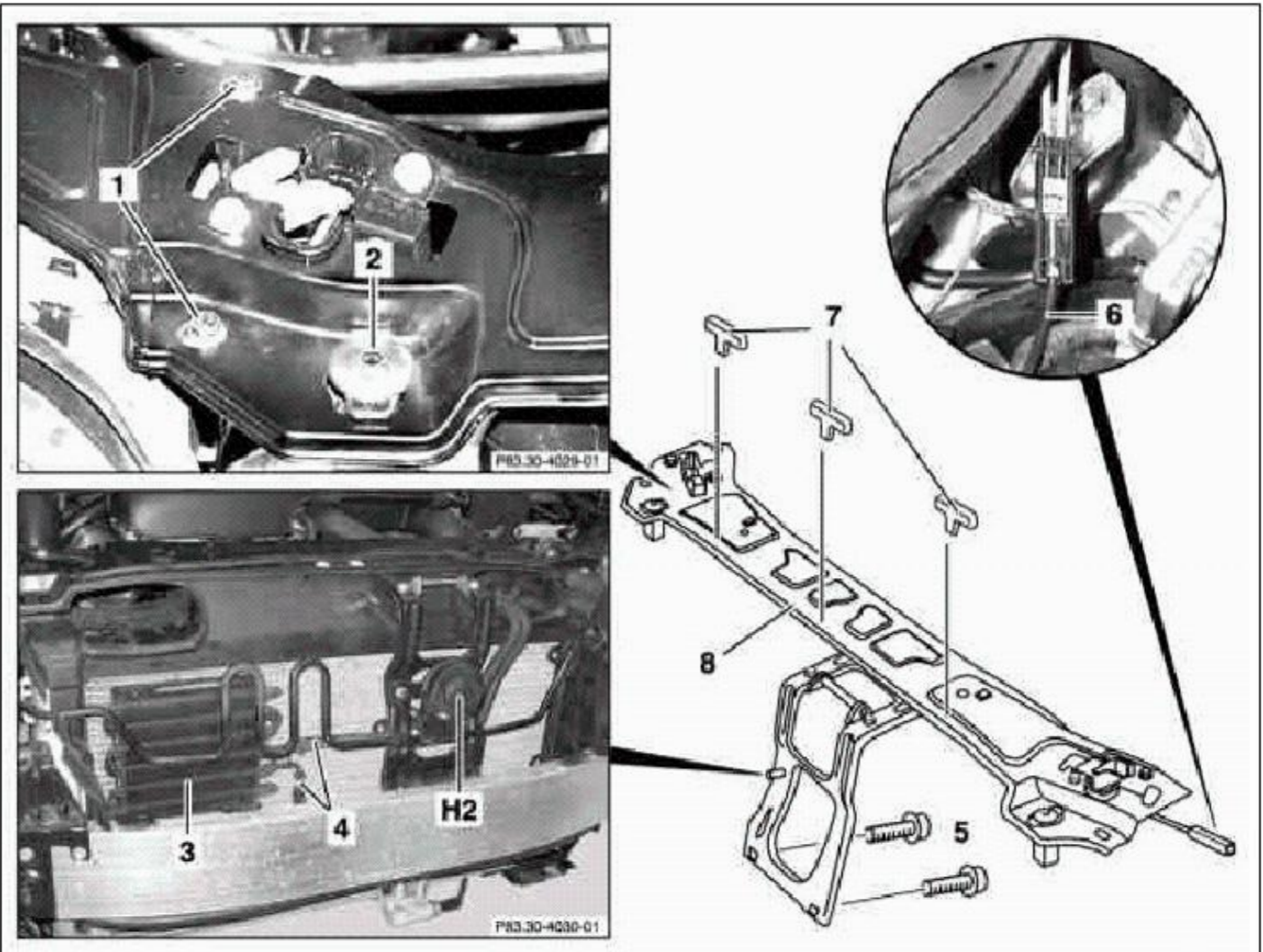


**AR83.30-P-6540QA** **Install/remove condenser** **9.6.06**

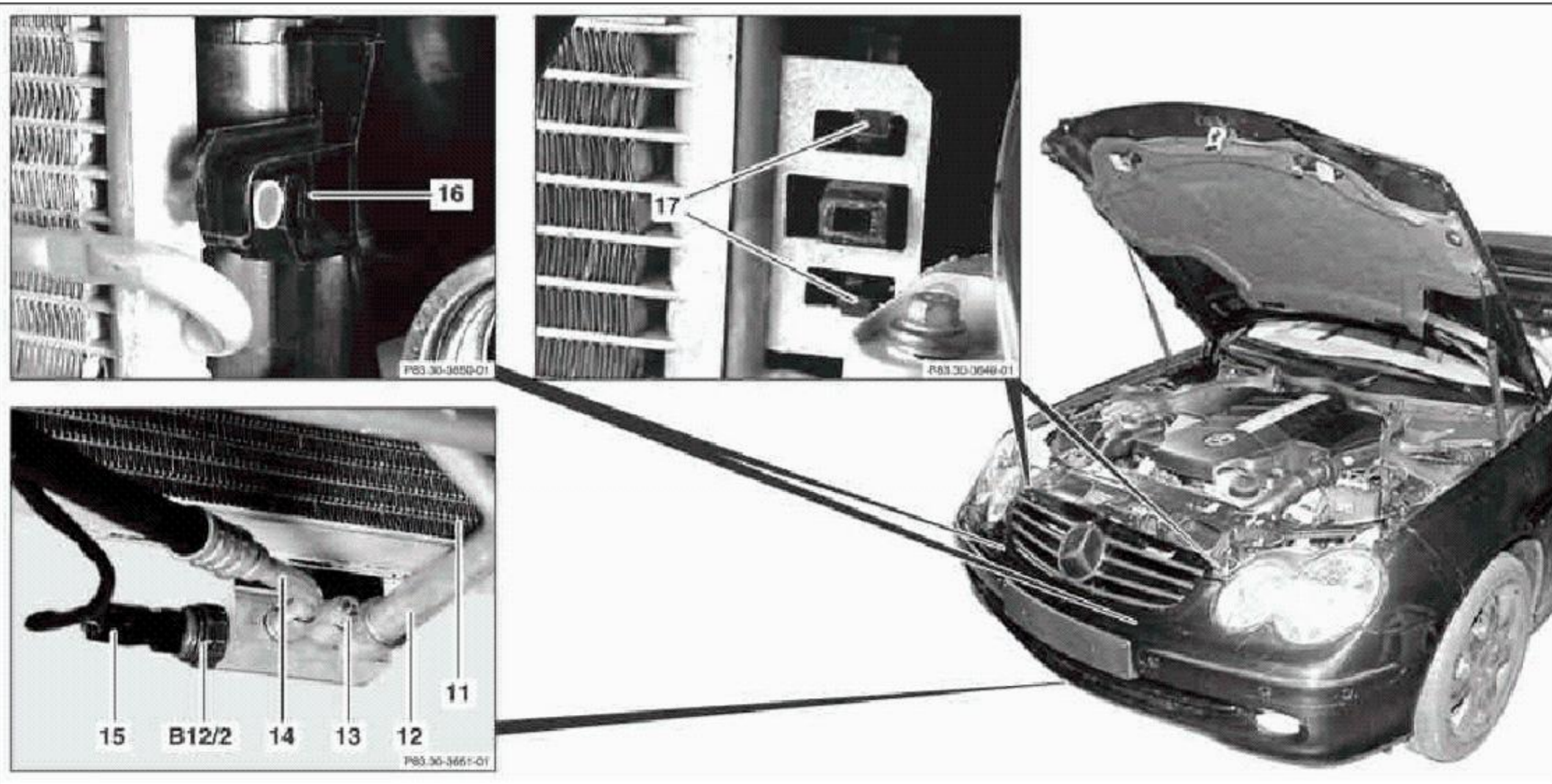
**MODEL 209 with ENGINE 271, 612**

Shown on engine 612

- 1 Bolts
  - 2 Retaining pin
  - 3 Additional radiator
  - 4 Coolant lines
  - 5 Bolts
  - 6 Hood release cable
  - 7 Clip
  - 8 Front end crossmember
- H2 Fanfare horns



P83.30-4028-06





11 Capacitor	14 Pressure line	17 Clamps
12 Pressure line	15 Clutch	
13 Nut	16 Bracket	B12/2 Refrigerant pressure and temperature sensor







**Modification notes**

16.5.06	"Disconnect/connect ground line on battery" removed		
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	Remove/install		
<b>Danger!</b>	<b>Risk of death</b> caused by vehicle slipping or toppling off of the lifting platform.	Align vehicle between the columns of the lifting platform and position the four support plates at the lifting platform support points specified by the vehicle manufacturer.	AS00.00-Z-0010-01A
<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
<b>Danger!</b>	<b>Risk of injury</b> caused by <b>fingers being pinched or crushed</b> when removing, installing or aligning hoods, doors, trunk lids, tailgates or sliding roof.	Keep body parts and limbs well clear of moving parts.	AS00.00-Z-0011-01A
	Conduct if air conditioning system is damaged or leaking	All models	AH83.30-N-0004-01A

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Document Picture Operation steps Basic data Tightening torques Picture2

		Protect air conditioning circuit and components from moisture when carrying out repair work	Model 199 Model 203 with Automatic air conditioning, code 580 Model 203 with Comfort automatic air conditioning, code 581 Model 209	AH83.30-P-0005-01P
		Notes on handling refrigerant R134a	Air conditioning with refrigerant R134a	AH83.30-N-0003-01A
1		Remove air intake pipes from air filter housing.		
2		Remove drier cartridge	 <b>Installation:</b> The drier cartridge must be replaced after the refrigerant circuit has been opened. Observe additional oil quantity after replacing parts Correct oil level in air conditioning system after changing parts	AR83.30-P-6521P  AR83.30-P-5252P
3		Remove front bumper		AR88.20-P-2000Q
4.1		Detach Distronic connector	With Distronic (DTR), code 219  <b>Installation:</b> Perform basic setting using Star Diagnosis	
5		Disconnect fanfare horn connector (H2)		
6.1		Clamp off coolant line (4)	Engine 612:  Clamping device	*000589543700
7.1		Detach coolant lines (4) from additional radiator (3)	Engine 612:	
8.1		Detach additional radiator (3)	Engine 612:  Unclip additional radiator (3) from frame.	
9		Remove charge air cooler		

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Document Picture Operation steps Basic data Tightening torques Picture2

9	Remove charge air cooler	Model 209.342 with engine 271.940 Model 209.316 with engine 612.967	AR09.41-P-6817PK AR09.41-P-6817PP
10	Detach front end crossmember (8) at bumper	<b>i</b> Unscrew screws.	
11	Remove bolts (1)	<b>i</b> At front end crossmember (8), right and left.	
12	Detach connector for hood lock	<b>i</b> The connector is located under the front end crossmember (8) on the passenger-side.	
13	Detach hood cable (6)		
14	Take off clip (7) of air guide		
15	Remove screws (5)		
16	Remove front end crossmember (8)		
17	Detach air ducting cover		
18	Raise vehicle with lifting platform		AR00.60-P-1000P
19	Detach lower engine compartment paneling	<b>i</b> Remove front paneling. Engine 271: Engine 612:	AR61.20-P-1105P AR94.30-P-5300P
20	Disconnect connector (15) from refrigerant pressure and temperature sensor (B12/2)		
21	Unscrew nut (13)	<b>Nm</b> Nut for refrigerant lines on condenser	*BA83.30-P-1005-01D
22	Pull pressure lines (12, 14) out of condenser (11)	<b>!</b> Seal off openings to prevent foreign bodies from entering. <b>i</b> <b>Installation:</b> Replace O-rings. Moisten threads and O-rings with compressor oil. <b>☑</b> Set of stop plugs	*129589009100

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	(11)	bodies from entering. <b>i</b> <b>Installation:</b> Replace O-rings. Moisten threads and O-rings with compressor oil. <b>S</b> Set of stop plugs	*129589009100
23	Remove condenser (11)	<b>i</b> Press clips (17) together, remove condenser (11) at top and unhook from brackets (16) at bottom.	
24	Remove condenser (11)		
25	Install in the reverse order		
 <b>Danger!</b>	<b>Risk of injury</b> to skin and eyes caused by 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 containers. Wear protective gloves, protective clothing and safety glasses.	AS20.00-Z-0001-01A
26.1	Inspect cooling system for leaks	Engine 612:	AR20.00-P-1010P

**Nm** Air conditioning system

Number	Designation	Model
		203, 209
BA83.30-P-1005-01D	Nut, refrigerant lines to capacitor	Nm 8