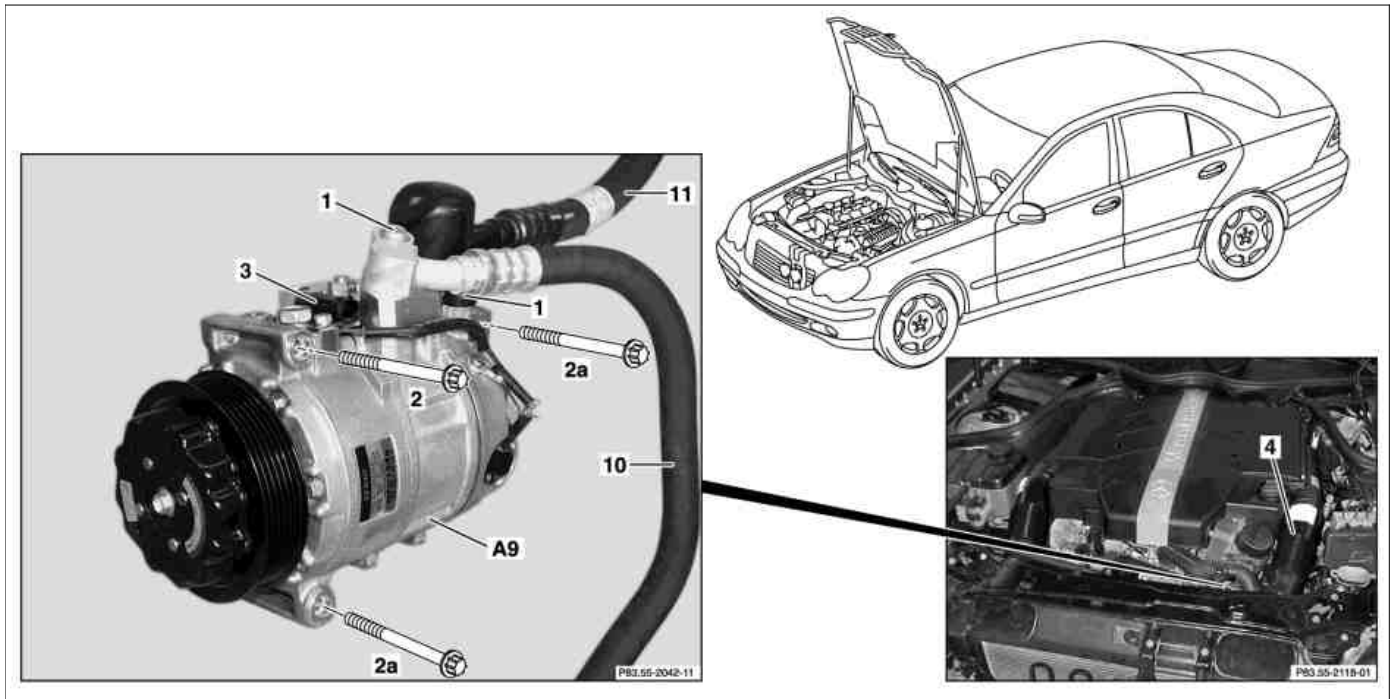


ENGINE 112 in MODELS 203, 209 with CODE (580a) Automatic air conditioning

ENGINE 112 in MODELS 203, 209 with CODE (581b) Convenience automatic air conditioning



P83.55-2119-09

## Illustrated on Model 203.0

1	Bolts	3	Plug connection	11	Intake pressure line
2	Screw	4	Air inlet pipe	A9	Refrigerant compressor
2a	Bolts	10	High pressure pipe		

	Remove/Install		
<b>Danger!</b>	<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> Contact with liquid refrigerant may result in injury to the skin and eyes.	Never perform welding work on or near a closed air conditioning system. 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.	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	Model 199 Model 203 with CODE (580a) automatic air conditioning Model 203 with CODE (581b) comfort automatic air conditioning Model 209	AH83.30-P-0005-01P
	Notes on handling refrigerant R134a	All models with R134a refrigerant	AH83.30-N-0003-01A
1	Remove drier cartridge	<b>Installation:</b> Following each opening of the refrigerant circuit the drier cartridge has to be replaced, in order to ensure correct functionality of the air conditioning. Models 209, 203 up to 23.04.04 Model 203 as of 24.04.04	AR83.30-P-6521P AR83.30-P-6521PA
2	Remove air inlet pipe (4)		
3	Remove poly V-belt	Model 203.065/265 Models 203.061/064/081/084/261/264/281/284, 209.361/365/461/465 Type 203.764	AR13.22-P-1202SVK AR13.22-P-1202PV
4	Disconnect connector (3)		
5	Unscrew bolts (1)	Bolt for intake line on refrigerant compressor Bolt for pressure line on refrigerant compressor	*BA83.30-P-1003-01D *BA83.30-P-1004-01D
6	Detach intake pressure line (11) and high pressure line (10) and place aside	Seal off openings of intake pressure line (11) and high pressure line (10) in order to avoid penetration by foreign bodies.	

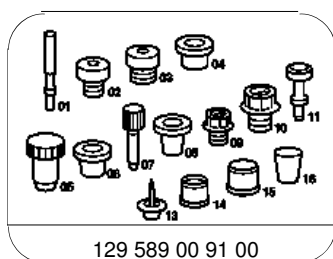
		<p><b>i</b> <b>Installation:</b> Replace sealing rings. Moisten threads and sealing rings with compressor oil.</p> <p><b>S</b> Set of plugs</p>	*129589009100
7	Unscrew bolt (2)	<b>Nm</b> Bolt for refrigerant compressor on bracket	*BA83.55-P-1001-01F
8	Remove bottom engine compartment paneling	<b>i</b> Front engine compartment paneling	AR61.20-P-1105P
9	Unscrew bolts (2a)	<b>Nm</b> Bolt for refrigerant compressor on bracket	*BA83.55-P-1001-01F
10	Remove refrigerant compressor (A9)	<b>i</b> Remove refrigerant compressor (A9) upward between engine and electric fan.	
11	Install in the reverse order		
12	Correct oil level in refrigerant compressor (A9)		AR83.55-P-5250P
	<b>Replace</b>		
13.1	Replace intake pressure line (11) and high pressure line (10) with sealing rings	<b>i</b> Only if the refrigerant compressor (A9) is replaced as a result of internal damage.	
14.1	Replace expansion valve	<p><b>i</b> Only if the refrigerant compressor (A9) is replaced as a result of internal damage.</p> <p>Model 203</p> <p>Model 209</p>	<p>AR83.30-P-5520P</p> <p>AR83.30-P-5520Q</p>

**Nm** Air conditioning system

Number	Designation	Models 203, 209
BA83.30-P-1003-01D	Bolt, intake line to refrigerant compressor	Nm 20
BA83.30-P-1004-01D	Bolt, pressure line to refrigerant compressor	Nm 20

**Nm** Refrigerant compressor

Number	Designation	Engine 112.912/ 946/961	Engine 112.913/ 917/949/ 954/955	Engine 112.916/ 953
BA83.55-P-1001-01F	Bolt, refrigerant compressor to bracket	Nm 20	20	20



Set of plugs