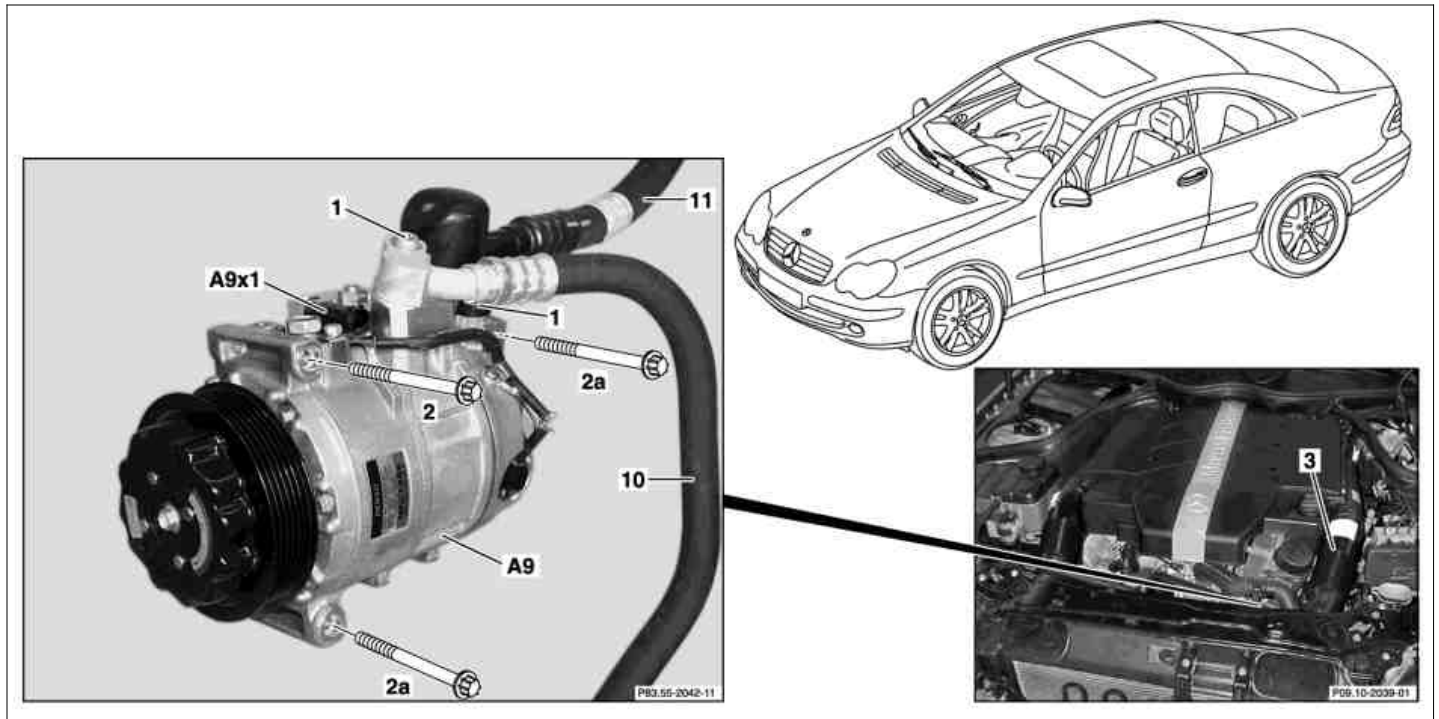


ENGINES 113 in MODEL 209 with CODE (580) Automatic air conditioning

ENGINES 113 in MODEL 209 with CODE (581) Comfort automatic air conditioning



P83.55-2076-09

1 Screw
2 Screw
2a Screw

3 Air inlet pipe
10 High pressure pipe
11 Intake pressure line

A9 Refrigerant compressor
A9x1 Refrigerant compressor connector

	Remove, Install		
<p> Danger!</p>	<p>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.</p>	<p>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.</p>	<p>AS83.00-Z-0001-01A</p>
<p></p>	<p>Procedure for a damaged or leaky air conditioning system</p>	<p>All models</p>	<p>AH83.30-N-0004-01A</p>
<p></p>	<p>Protect air conditioning circuit and components from moisture when carrying out repair work</p>	<p>Model 203 with code (580a) Automatic air conditioning Model 203 with code (581b) Convenience automatic air-conditioning Model 209</p>	<p>AH83.30-P-0005-01P</p>
<p></p>	<p>Notes on handling R134a refrigerant</p>	<p>All models with air conditioning</p>	<p>AH83.30-N-0003-01A</p>
<p>1</p>	<p>Remove desiccant cartridge</p>	<p> Installation: The desiccant 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 replacing parts</p>	<p>AR83.30-P-5252P AR83.30-P-5252P</p>
<p>2</p>	<p>Remove air inlet pipe (3)</p>		
<p>3</p>	<p>Remove poly-V belt</p>		<p>AR13.22-P-1202PV</p>
<p>4</p>	<p>Disconnect refrigerant compressor connector (A9x1)</p>		
<p>5</p>	<p>Remove bolt (1)</p>	<p> Screw for suction line on AC compressor Bolt for pressure line on refrigerant compressor</p>	<p>*BA83.30-P-1003-01D *BA83.30-P-1004-01D</p>
<p>6</p>	<p>Remove intake and high pressure lines (11,10) and put aside.</p>	<p> Seal openings of intake and high-pressure lines (11, 10) in order to avoid any contamination.</p>	

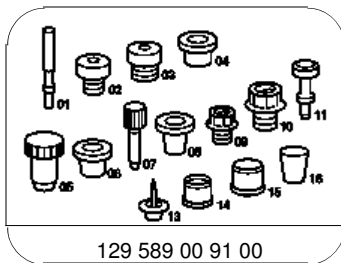
		i Installation: Replace O-rings. Moisten threads and O-rings with compressor oil. ☒ Set of plugs	*129589009100
7	Remove engine compartment paneling at front		AR61.20-P-1105P
8	Unscrew bolt (2)	Nm Bolt for AC compressor on mount	*BA83.55-P-1001-01A
	Remove torsion bar on front axle		AR32.20-P-0300P
9	Remove bolt (2a)	Nm Bolt for AC compressor on mount	*BA83.55-P-1001-01A
10	Remove refrigerant compressor (A9)	i Remove refrigerant compressor (A9) behind the front axle carrier downward.	
11	Install in the reverse order		
12	Correct oil level in refrigerant compressor (A9)	⚠ If refrigerant compressor (A9) has to be renewed as a consequence of internal damage, then steps 13 and 14 should also be performed.	AR83.55-P-5250P
	Replace		
13	Replace intake and high-pressure lines (11, 10) with sealing rings		
14	Replace expansion valve		AR83.30-P-5520Q

Nm Air conditioning

Number	Designation	Model 203, 209
BA83.30-P-1003-01D	Bolt, suction 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 113 in model 203, 209, 211, 219, 220
BA83.55-P-1001-01A	Bolt, refrigerant compressor to bracket	Nm 20



129 589 00 91 00

Set of stop plugs