

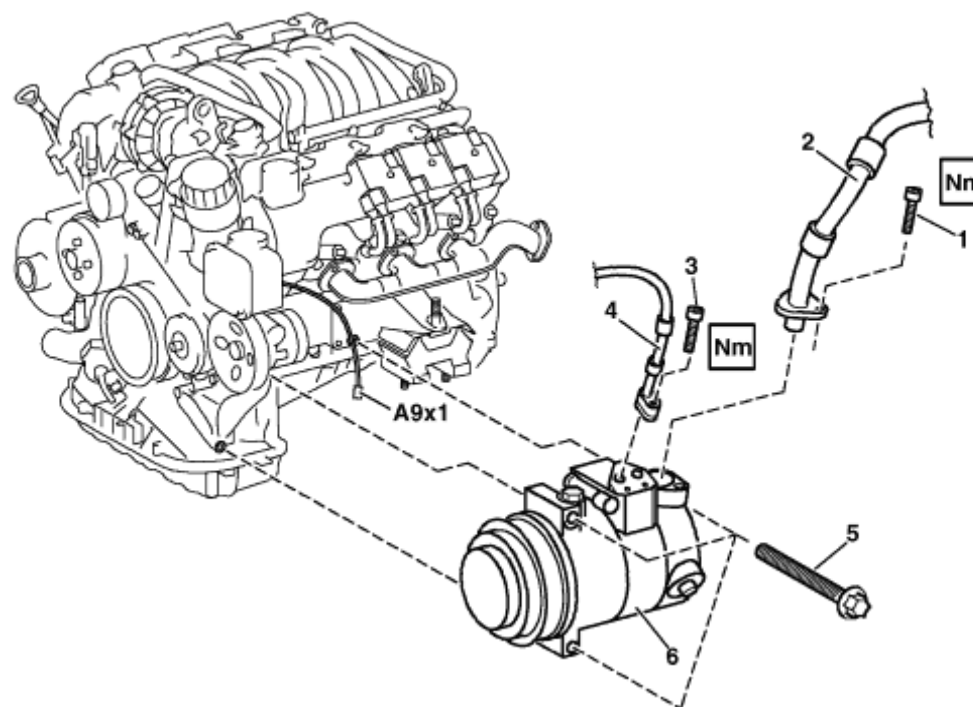
AR83.55-P-5300GH

Remove and install refrigerant compressor

10.4.97












ENGINE 112 in MODEL 163 with CODE (580) Air conditioning or Tempmatic for USA

- 1 Hexagon socket bolt
- 2 Low-pressure refrigerant line
- 3 Hexagon socket bolt
- 4 High-pressure refrigerant line
- 5 External TORX bolt
- 6 AC compressor
- A9x1 Refrigerant compressor connector



P83.55-0206-06

	<b>Remove/install</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> from skin	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	<a href="#">AS83.00-Z-0001-01A</a>

	and eye contact with liquid refrigerant.	ventilated areas. Carry out repair work on the air conditioning system circuit only after the system has been discharged.	
	Procedures if air conditioning system is damaged or leaking	All models	<a href="#">AH83.30-N-0004-01A</a>
	Protect air conditioning circuit and components from moisture when carrying out repair work	All models fitted with air conditioning	<a href="#">AH83.30-N-0005-01A</a>
	Notes on handling refrigerant R134a	All models fitted with air conditioning	<a href="#">AH83.30-N-0003-01A</a>
1	<b>Discharge air conditioning system</b>	 <b>Installation:</b> Evacuate air conditioning, refill and check for proper operation and leaktightness.	<a href="#">AR83.30-P-1760GH</a>
2	Remove poly V-belt		<a href="#">AR13.22-P-1202B</a>
3	Unscrew hexagon socket head screw (1) securing low-pressure refrigerant line (2) to refrigerant compressor (6)	 Detach low-pressure refrigerant line (2) from refrigerant compressor (6).  <b>Installation:</b> Install new sealing rings and moisten with compressor oil.	
			<a href="#">BA83.55-P-1002-01A</a>
4	<b>Unscrew hexagon socket head screw (3) securing high-pressure refrigerant line (4) to refrigerant compressor (6)</b>		<a href="#">BA83.55-P-1002-01A</a>
5	Detach refrigerant compressor connector (A9x1) at refrigerant compressor (6)	 <b>Installation:</b> Install new sealing rings and moisten with compressor oil.	
6	<b>Unscrew external Torx drive bolt (5) from refrigerant compressor (6) at crankcase</b>	 External torx set	<a href="#">001 589 76 09 00</a>
7	Remove refrigerant compressor (6) from below	 <b>Installation:</b> Note additional oil filling capacity when replacing the fluid reservoir.	<a href="#">BF83.55-P-1005-01A</a>
8	Install in the reverse order		

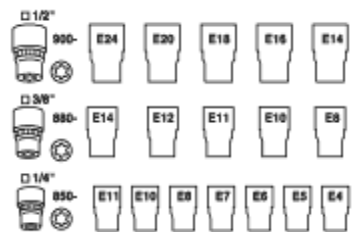
9	Remove receiver/drier	<b>i</b> The fluid reservoir must be replaced every time after the refrigerant compressor is removed and installed.	<a href="#">AR83.30-P-6520GH</a>
		<b>i</b> <b>Installation:</b> Note additional oil filling capacity when replacing the refrigerant compressor.	<a href="#">BF83.55-P-1008-01A</a>

**Nm** AC compressor

Number	Designation	Engines 112.942/970, 113.942/965/981 in MODEL 163
BA83.55-P-1002-01A	Bolt of refrigerant lines to AC compressor	NM 20

**Refrigerant compressor**

Number	Designation	Refrigerant compressor 7SB16, refrigerant R134a in model 163
BF83.55-P-1005-01A	Additional oil filling capacity when replacing fluid reservoir	Compressor oil cm3 10
		Specifications for Operating Fluids Sheet <a href="#">BB00.40-P-0362-00A</a>
BF83.55-P-1008-01A	Additional oil filling capacity when replacing refrigerant compressor	Compressor oil cm3 20
		Specifications for Operating Fluids Sheet <a href="#">BB00.40-P-0362-00A</a>



001 589 76 09 00

External Torx set