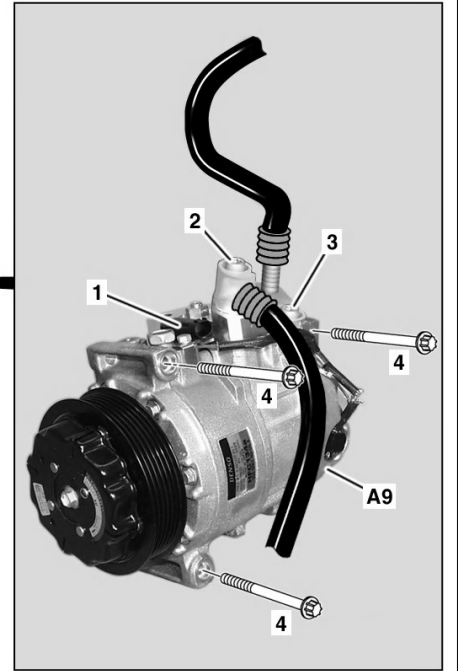


**ENGINES 646.951 in MODEL 211.004**  
**ENGINES 646.961 in MODEL 211.006 /606**  
**ENGINES 647.961 in MODEL 211.016 /616**  
**ENGINES 112.913 in MODEL 211.061 /261**  
**ENGINES 112.949 in MODEL 211.065 /265**  
**ENGINES 113.967 in MODEL 211.070 /270**  
**ENGINES 113.990 in MODEL 211.076 /276**  
**ENGINES 642.920 in MODEL 211.020 /022 /220 /222**  
**ENGINES 642.921 in MODEL 211.084 /089 /284 /289**

Shown on model 211.070














- 1 Electrical connector  
 2 Screw  
 3 Screw  
 4 Screw

A9 Refrigerant compressor



P83.55-2064-06

☒ ☒	Remove/install		
	<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 drained.	AS83.00-Z-0001-01A
⚠	Procedure for a damaged or leaky air conditioning system		AH83.30-N-0004-01A
⚠	Protect air conditioning circuit and components from moisture when carrying out repair work		AH83.30-N-0005-01A
i	Notes on handling R134a refrigerant		AH83.30-N-0003-01A
1	Drain air conditioning (recycle)  Air conditioning draining, evacuating and charging equipment for refrigerant R134a	⚠ Too much or too little compressor oil can damage the refrigerant compressor. i Note quantity of extracted compressor oil. Air conditioner service unit R134a <a href="#">qotis://E_83_05.0</a> i <b>Installation:</b> Evacuate and fill air conditioning system and add new compressor oil to refrigerant circuit, using noted quantity of compressor oil. Check air conditioning system for leakage.	
2	<b>Risk of injury</b> to skin and eyes caused by scalding from contact with hot coolant spray. <b>Risk of poisoning</b> caused by swallowing coolant.  Release pressure in coolant circuit	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. i To do this, carefully open reservoir cover and close again.	AS20.00-Z-0001-01A
3.1	Detach lower engine compartment paneling	Model 211.061/065/070/076/261/265/270/276	AR61.20-P-1105T

3.2	Remove bottom section of soundproofing	Model 211.004/006/016/020/022/084/089/220/222/284/289/606/616	AR94.30-P-5300T
4	Detach coolant expansion reservoir and set aside		
5.1	Remove charge air pipe	In case of model 211.004/006/016/606/616  Only remove the charge air pipe on the left side.	AR09.41-P-1311T
6.1	Remove fan shroud	Models 211.016/061/065/070/076/261/265/270/276/616 Model 211.016/616 Model 211.061/065/070 Model 211.076/276	AR20.40-P-6800T AR20.40-P-6800TB AR20.40-P-6800TC
7	Remove poly-V belt	Model 211.004/006/016/606/616 Model 211.061/065/070/261/265/270 Model 211.076/276 Model 211.020/022/084/089/220/222/284/289	AR13.22-P-1202T AR13.22-P-1202PV AR13.22-P-1202RV AR13.22-P-1202TI
8.1	Undo bolt for AC line on oil filter housing	Model 211.020/022/084/089/220/222/284/289 	*BA83.55-P-1006-01A
9	Disconnect electrical connection (1) at refrigerant compressor (A9)		
10	Unscrew screw (3) and place intake line to one side	 Seal line openings, otherwise dirt and moisture may penetrate. Set of plugs for air conditioning system  <b>Installation:</b> Install new O-ring and moisten thread with compressor oil. 	*BA83.30-P-1018-01A
11	Unscrew screw (2) and place pressure line to one side	 Seal line openings, otherwise dirt and moisture may penetrate. Set of plugs for air conditioning system  <b>Installation:</b> Install new O-ring and moisten thread with compressor oil. 	*BA83.30-P-1019-01A
12	Unscrew screws (4) from refrigerant compressor (A9)	 Engine 113  Engine 112.913/949  Engines 646, 647  Engine 642	*BA83.55-P-1001-01A *BA83.55-P-1001-01F *BA83.55-P-1001-01H *BA83.55-P-1005-01A
13	Remove refrigerant compressor (A9)	 Additional quantity of oil to be added when replacing refrigerant compressor	*BF83.55-P-1008-01A
14	Replace fluid reservoir		AR83.30-P-6520T
15	Install in the reverse order		
16	Check coolant level and correct if necessary. Check and adjust the fluid level in the engine cooling system. Inspect anticorrosion/antifreeze protection, adjust to correct concentration		AP20.00-P-2010Z

#### Air conditioning

Number	Designation	Model 211
BA83.30-P-1018-01A	Intake line to refrigerant compressor	Nm 22
BA83.30-P-1019-01A	Pressure line to refrigerant compressor	Nm 22

#### Refrigerant compressor

Number	Designation	Engine 113 in model 203, 209, 211, 219, 220	Engine 642 in model 203, 209, 211, 219

BA83.55-P-1001-01A	Bolt, refrigerant compressor to bracket	Nm	20	20
BA83.55-P-1005-01A	Bolt, refrigerant compressor	Nm	-	20
BA83.55-P-1006-01A	Bolt, refrigerant line to engine	Nm	-	10

**Nm Refrigerant compressor**

Number	Designation	Engine
		<b>112.913/ 917/949/ 954/955</b>
BA83.55-P-1001-01F	Bolt, refrigerant compressor to bracket	Nm 20

**Nm Refrigerant compressor**

Number	Designation	Engines
		<b>646.951/961, 647.961, 648.961 in model 211</b>
BA83.55-P-1001-01H	Bolt, refrigerant compressor to bracket	Nm 20

**Refrigerant compressor**

Number	Designation	Refrigerant compressor
		<b>7SEU16C in model 211</b>
BF83.55-P-1008-01A	Additional oil filling quantity when replacing refrigerant compressor	Compressor oil cm <sup>3</sup> 20
	Specifications for Operating Fluids	Sheet <b>BB00.40-P-0362-00A</b>