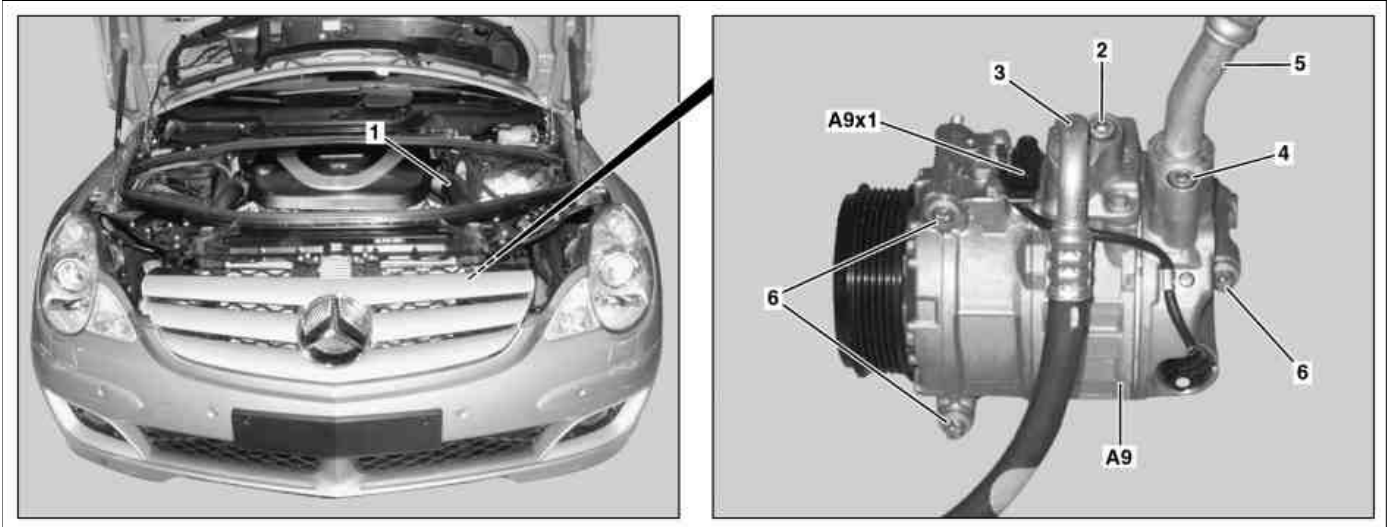


ENGINE 113.971, 272.967, 642.950, 156.980 in MODEL 251

with CODE (580) Automatic air conditioning

with CODE (581) Comfort automatic air conditioning

with CODE (582) Rear air conditioner



P83.55-2131-08

Shown on engine 272.967

1 Air intake hose

2 Screw

3 Refrigerant pressure line

4 Screw




5 Refrigerant suction line

6 Bolts

A9 Refrigerant compressor

A9x1 Refrigerant compressor connector

☒ ☒	Remove/install		
	Risk of death caused by vehicle slipping or toppling off of the lifting platform.	Align vehicle between columns of vehicle lift and position four support plates at vehicle lift support points specified by vehicle manufacturer.	AS00.00-Z-0010-01A
	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.	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
ⓘ	Procedure for a damaged or leaky air conditioning system	All models	AH83.30-N-0004-01A
ⓘ	Protect air conditioning circuit and components from moisture when carrying out repair work	All models with air conditioning	AH83.30-N-0005-01A
i	Notes on handling refrigerant R134a	Air conditioning with refrigerant R134a	AH83.30-N-0003-01A
1	Discharge air conditioning system		AR83.30-P-1760RT
2	Remove partition wall between wheelhouses	Engine 642.950	AR62.30-P-2400RT
3	Remove engine trim panel	Engine 642.950	
4	Detach air intake hose (1)	i Only on left side.	
5	Remove poly-V belt	Engine 113.971 Engine 272.967 Engine 156.980 Engine 642.950	AR13.22-P-1202RT AR13.20-P-0001GZA AR13.22-P-1202GZS AR13.20-P-0001GZB
6	Disconnect refrigerant compressor connector (A9x1)		
7	Unscrew bolt (2)	Nm	*BA83.55-P-1003-01S
8	Remove refrigerant pressure line (3) and place out of working area	i Installation: Replace sealing rings of refrigerant pressure line (3) and moisten with compressor oil.	
9	Unscrew bolt (4)	Nm	*BA83.55-P-1003-01S
10	Detach refrigerant suction line (5) and place out of working area	i Installation: Replace sealing rings of refrigerant suction line (5) and moisten with compressor oil.	

11	Seal openings of refrigerant pressure line (3) and refrigerant suction line (5) using suitable plugs and stop plugs	 The openings of the refrigerant pressure line (3) and refrigerant suction line (5) must be sealed, as otherwise any penetrating dirt and moisture can damage components connected to the refrigerant circuit.	
12.1	Detach lower engine compartment paneling	Motor 113.971, 272.967, 156.980	AR61.20-P-1105RT
12.2	Remove bottom section of soundproofing	Engine 642.950	AR94.30-P-5300RT
13	Remove bolts (6)		*BA83.55-P-1001-01S
14	Remove refrigerant compressor (A9)	 Remove refrigerant compressor (A9) downwards Place refrigerant pressure line (3) and refrigerant suction line (5) to one side.	
15	Install in the reverse order		
16	Refill air conditioning system and inspect for leaks and proper operation.		AR83.30-P-1760RT
17	Perform a function test		

 Refrigerant compressor

Number	Designation		Model 251
BA83.55-P-1001-01S	Bolt, refrigerant compressor to timing case and left engine support	Nm	20
BA83.55-P-1003-01S	Bolt, refrigerant lines to refrigerant compressor	Nm	20