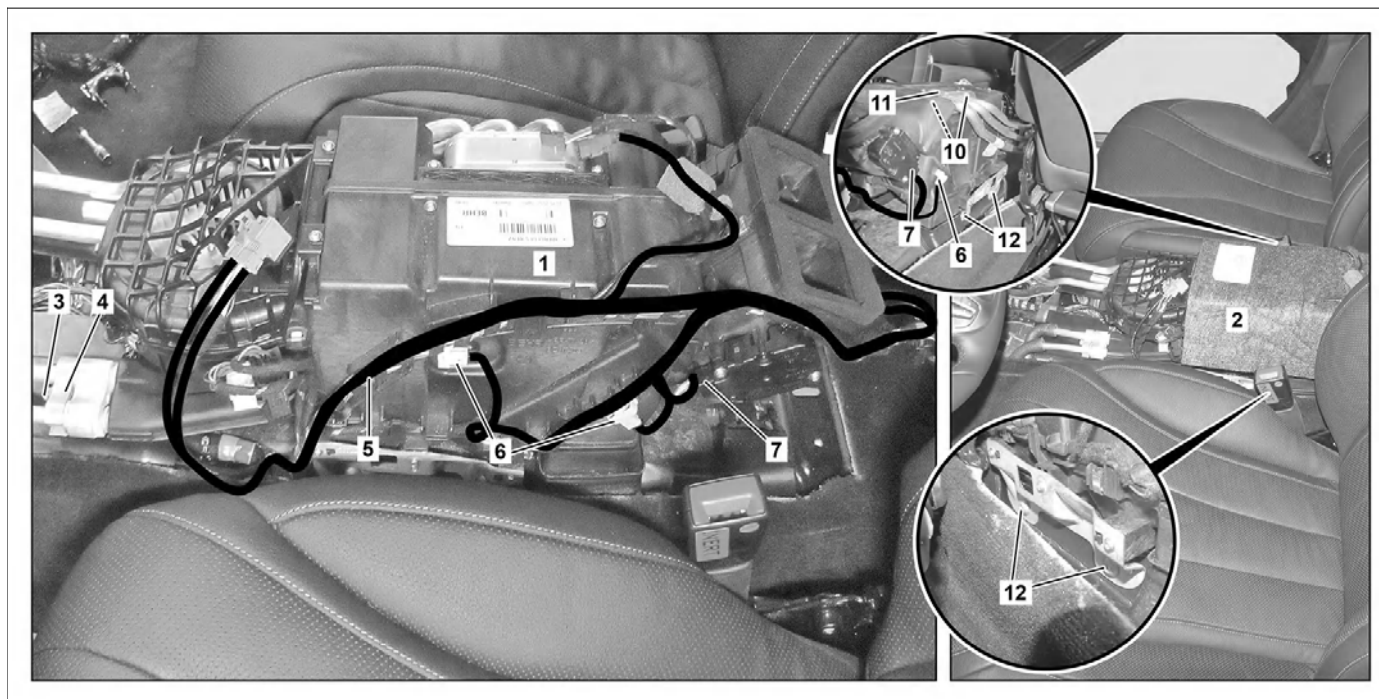


**Model** 222.0/1/9  
with code 582 (Rear air conditioner)

### Modification notes

21.04.2017	Method adapted to code 1U6 (Refrigerant R744)	Operation steps 13 and 14.2
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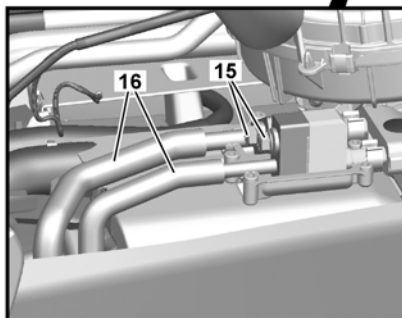
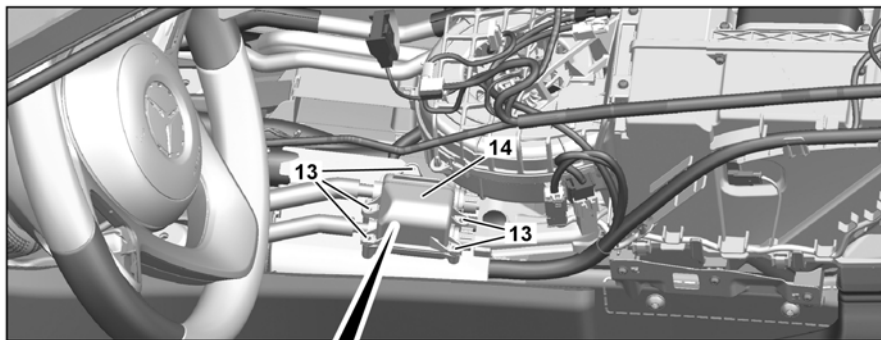
P83.50-2201-09

### Shown on rear air conditioner housing except code 1U6 (Refrigerant R744)

- |   |                              |    |   |
|---|------------------------------|----|---|
| 1 | Rear air conditioner housing | 6  | Temperature sensor electrical connections |
| 2 | Matting                      | 7  | Actuator motors electrical connector      |
| 3 | Screw                        | 10 | Bolts                                     |
| 4 | Refrigerant lines connector  | 11 | Coolant lines connector                   |
| 5 | Electrical wiring harness    | 12 | Bolts                                     |

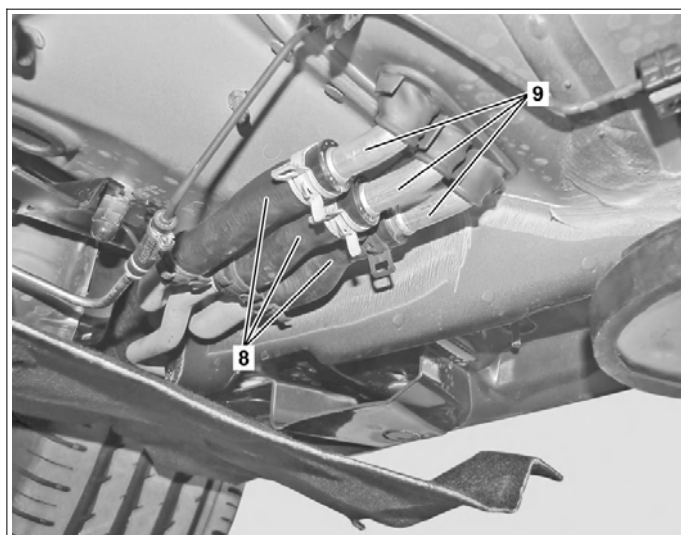
Shown on rear air conditioner housing with code 1U6 (Refrigerant R744)

- 13 Bolts
- 14 Cover
- 15 Bolts
- 16 Refrigerant lines



P83.50-2238-06

- 8 Coolant hoses
- 9 Coolant lines



P83.50-2202-11

	Protect air conditioning circuit and components from moisture when carrying out repair work		AH83.30-P-0005-01A
	<b>Remove/install</b>		
1	Drain air conditioning system		AR83.30-P-1760LF
2	Remove right underfloor paneling		AR61.30-P-1001LF
3	Remove right fender liner from front fender		AR88.10-P-1300LF
4	Drain coolant  Notes on coolant	Model 222 with engine 157, 276.9, 278, 642 with code 582 (Rear air conditioner) Model 222 with engine 157, 276.9, 278, 642 with code 582 (Rear air conditioner)	AR20.00-P-1142LF  AH20.00-N-2080-01A
5	Remove coolant hoses (8) from coolant lines (9)	Collect escaping coolant in a suitable vessel.	
6	Move driver and front passenger seat to the very front		
7	Remove center console	Model 222 up to model year 2018 with code 582 (Rear air conditioner) Model 222 as of model year 2018 with code 582 (Rear air conditioner)	AR68.20-P-2000LF  AR68.20-P-2000LFM
8	Remove matting (2) from rear air conditioner housing (1)		

9	Expose wiring harness (5) at rear air conditioner housing (1)		
10	Disconnect actuator motor electrical connectors (7) and temperature sensor electrical connectors (6)		
11	Remove screws/bolts (13) and remove cover (14)	Model 222 with code 1U6 (R744 refrigerant) with code 582 (Rear air conditioner)	
12.1	Remove screw/bolt (3) and disconnect refrigerant lines connector (4) with refrigerant lines	Model 222 with code 582 (Rear air conditioner) except code 1U6 (R744 refrigerant) <b>i</b> <b>Installation:</b> Replace sealing rings of refrigerant lines. <b>Nm</b> Bolt/nut, refrigerant line to inner heat exchanger	*BA83.30-P-1004-01P
12.2	Remove screws/bolts (15) and pull off clock spring contact (16)	Model 222 with code 1U6 (R744 refrigerant) with code 582 (Rear air conditioner) <b>⊘</b> <b>Removal:</b> Do not use a tool to disconnect the connections and avoid damage (scratches, notches) on the sealing surfaces. Otherwise, the integrity of the refrigerant circuit can no longer be ensured. <b>i</b> <b>Installation:</b> Replace gaskets. <b>Nm</b> Bolt/nut, refrigerant line to inner heat exchanger If damage (scratches, notches) occurs to the sealing surfaces ↓ Replace corresponding component.	*BA83.30-P-1004-01P
13	Use suitable stop plugs to seal openings	<b>S</b> Record plug	*129589009100
14	Remove screws/bolts (10) and disconnect refrigerant lines connector (11) of coolant lines Notes on coolant	Model 222 with engine 157, 276.9, 278, 642 with code 582 (Rear air conditioner) <b>i</b> <b>Installation:</b> Install sealing rings of coolant lines. <b>i</b> Collect escaping coolant in a suitable vessel. <b>Nm</b> Model 222 with code 1U6 (R744 refrigerant) with code 582 (Rear air conditioner) Model 222 with code 582 (Rear air conditioner) except code 1U6 (R744 refrigerant) Bolt, flange to rear A/C	AH20.00-N-2080-01A  *BA83.30-P-1010-01P
15	Use suitable stop plugs to seal openings	<b>S</b> Record plug	*129589009100
16	Press floor covering in area of rear air conditioner housing (1) to one side		
17	Remove screw/bolts (12)		
18	Remove rear air conditioner housing (1) from vehicle	<b>i</b> Make sure escaping coolant does not penetrate the vehicle interior.	
19	Install in the reverse order		

**Nm** Air conditioning

Number	Designation		Model 222 except code 1U6 (R744 refrigerant)	Model 222 with code 1U6 (R744 refrigerant)
BA83.30-P-1004-01P	Bolt/nut, refrigerant line to inner heat exchanger	M6 Nm	12	12
		M8 Nm	20	20

**Nm** Air conditioning

Number	Designation		Model 222 except code 1U6 (R744 refrigerant)	Model 222 with code 1U6 (R744 refrigerant)
BA83.30-P-1010-01P	Bolt, flange to rear A/C	M5 Nm	5	5

