

**Data**

Surface area/depth	23.1 dm <sup>2</sup> /40 mm, 2 rows (1st version) 23.1 dm <sup>2</sup> /32 mm, 2 rows (2nd version)
Version	copper pipe and aluminum ribs (1st version) aluminum pipe with aluminum ribs (2nd version)

Tightening torques		Nm	(kpm)
Pressure hose to condenser	with Cu seal	60 ± 5	(6.0 ± 0.5)
	without Cu seal	70 ± 5	(7.0 ± 0.5)
Pressure hose to receiver dehydrator	with Cu seal	45 ± 5	(4.5 ± 0.5)
	without Cu seal	55 ± 5	(5.5 ± 0.5)
Pipe line to receiver dehydrator	with Cu seal	30 ± 5	(3.0 ± 0.5)
	without Cu seal	45 ± 5	(4.5 ± 0.5)

**Conventional tool**

Double open-end wrench 22 and 19 mm

**Note**

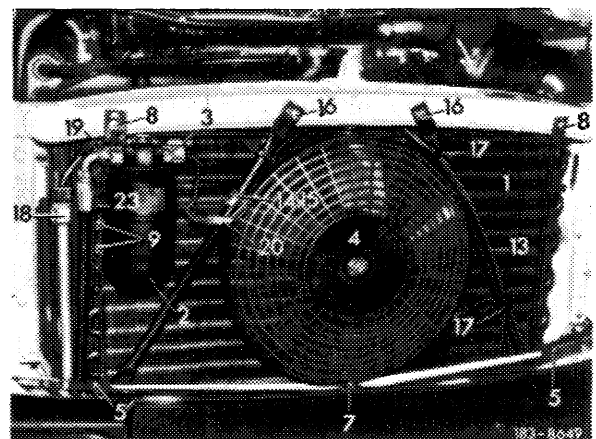
If the condenser is not immediately reinstalled, flush condenser with refrigerant R 11 or blow out with refrigerant R 12 or nitrogen. Then close connections with plugs.

**Removal**

- 1 Remove radiator, while paying attention to additives.
- 2 Drain air conditioning system (83–516).
- 3 Unscrew pipe and hose line (18 and 19) from condenser (1) receiver dehydrator (2).

Layout of condenser with receiver dehydrator and auxiliary fan on right-hand steering vehicle (model 116.020, 116.024 left-hand steering 1st version)

- |  |  |
|--|--|
| 1 Condenser                            | 14 Clip  |
| 2 Receiver dehydrator                  | 15 Combination screw                                     |
| 3 Temperature switch                   | 16 Screw with washer, snap ring and nut                  |
| 4 Auxiliary fan                        | 17 Cable band  |
| 5 Sheet-metal screw with washer        | 18 Pipe line from compressor to condenser                |
| 7 Sheet-metal screw with washer        | 19 Hose line from receiver dehydrator to expansion valve |
| 8 Screw with nut, washer and snap ring | 20 Plug with protective sleeves                          |
| 9 Nut with snap ring                   | 23 Pipe line   |
| 13 Strut                               |  |

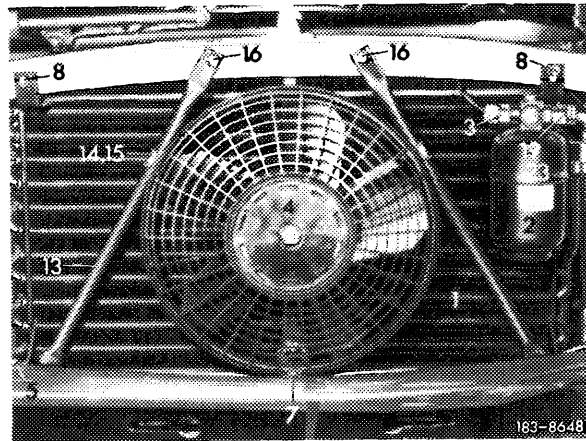


4 Separate the two plugs (20).

5 Unscrew two sheet-metal screws (5) from cross member. Unscrew screw (7) and remove condenser (1) toward the rear.

Layout condenser with receiver dehydrator and auxiliary fan (left-hand steering).

- 1 Condenser
- 2 Receiver dehydrator
- 3 Temperature switch
- 4 Auxiliary fan
- 5 Sheet-metal screw with washer
- 7 Sheet-metal screw with washer
- 8 Screw with nut, washer and snap ring
- 13 Strut
- 14 Clip
- 15 Combination screw
- 16 Screw with washer, snap ring and nut
- 19 Hose line from receiver dehydrator to expansion valve
- 23 Pipe line



6 Loosen pipe line (23) from receiver dehydrator.

7 Unscrew nuts (9) and remove receiver dehydrator (2) from condenser (1).

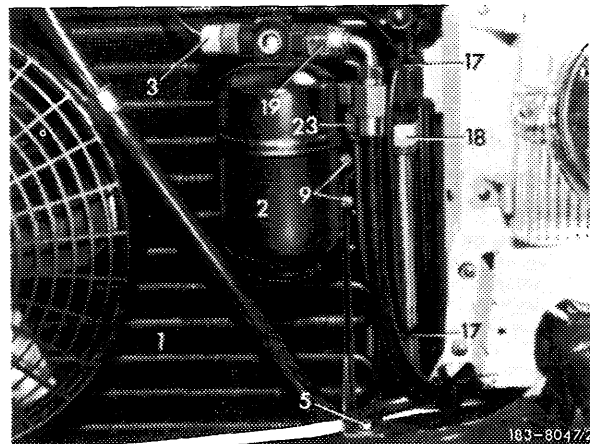
8 Close hose and pipe connections with plugs.

## Installation

9 Screw receiver dehydrator (2) with fastening members (9) to condenser. Connect pipe line (23) while moistening threads with cold-flowing oil.

Layout receiver dehydrator (left-hand steering)

- 1 Condenser
- 2 Receiver dehydrator
- 3 Temperature switch
- 5 Sheet-metal screw with washer
- 9 Nut with snap ring
- 17 Cable band
- 18 Pipe line from compressor to condenser
- 19 Hose line from receiver dehydrator to expansion valve
- 23 Pipe line



10 Mount condenser on cross member and screw-on by means of sheet-metal screws (5).

11 Screw-on condenser at top by means of fastening members (8). Make sure that a uniform distance prevails between condenser and radiator.

12 Mount pipe and hose line (18 and 19) to condenser and receiver dehydrator, while moistening threads with cold-flowing oil and applying counterhold with an open-end wrench when tightening.

13 Connect the two plugs (20) to temperature switch (3).

14 Install radiator.

15 Evacuate air conditioning system and fill again (83—512 and 514).

16 Check air conditioning system for function (83—510).