

107.044  
107.024

## Data

Area / depth	21 dm <sup>2</sup> /40, 2-row
Design	copper tube and aluminum fins

## Tightening Torques in kpm

	with Cu-seal	without Cu-seal
Discharge hose to condenser	6.0 ± 0.5	7.0 ± 0.5
Discharge hose to receiver	4.5 ± 0.5	5.5 ± 0.5
Pipeline to receiver	3.0 ± 0.5	4.5 ± 0.5

## Note

If the condenser is not immediately installed again, it will be of advantage to flush condenser with R 12 refrigerant or blow out with R 12 refrigerant or nitrogen. Then close connections with plugs.

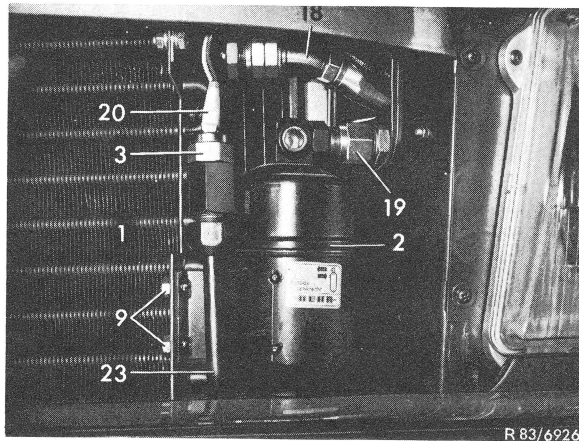


Figure 1  
Layout of receiver

- 1 Condenser
- 2 Receiver
- 3 Temperature switch
- 9 Hex. nut with lock ring
- 18 Hose line from compressor to condenser
- 19 Hose line from receiver to expansion valve
- 20 Plug
- 23 Pipeline

## Removal

- 1 Remove radiator, watching out for additives (Service Manual Engines 20.1–420).
- 2 Drain air-conditioning system (83.0–850).
- 3 Unscrew hose lines (18 and 19) from condenser (1) and receiver (2) (Fig. 1).
- 4 Pull the two plugs (20) from temperature switch (3).
- 5 Unscrew diagonal strut between condenser and radiator.
- 6 Unscrew two sheet metal screws (5) on cross beam, unscrew hex. screws (7) and remove condenser (1) toward rear (Fig. 2).
- 7 Loosen pipeline (23) from receiver.
- 8 Unscrew hex. nuts (9) and remove receiver (2) from condenser (1).
- 9 Close hose and pipe connections with plugs.

# 83.1 Removal and Installation of Condenser

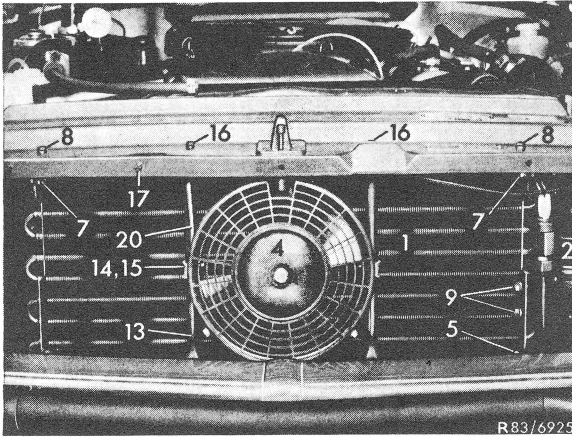


Figure 2

Layout of condenser with supplementary fan

- 1 Condenser
- 2 Receiver
- 4 Supplementary fan
- 5 Sheet metal screw with washer
- 7 Hex. screw with hex. nut, washer and lock washer
- 8 Hex. screw with hex. nut, washer and lock washer
- 9 Hex. nut with lock washer
- 13 Strut
- 14 Fastening clip
- 15 Combination screw
- 16 Hex. screw with washer, lock washer and hex. nut
- 17 Cable band

## Installation

**10** Screw receiver (2) to condenser by means of fastening members (9). Connect pipeline, coat threads with refrigeration oil (Fig. 1).

**11** Place condenser on cross beam and screw down with hexagon sheet metal screws (5) (Fig. 2).

**12** Screw condenser on top to holders by means of fastening members (7). Make sure that the distance between condenser and radiator is uniform.

**13** Mount hose lines (18 and 19) to condenser and receiver. Moisten threads with refrigeration oil and apply counterhold with open end wrench when tightening (Fig. 1).

**14** Connect the two plugs (20) on temperature switch (3).

**15** Mount diagonal strut behind condenser to reinforcement and to closing plate by means of four hex. screws.

**16** Install radiator (Service Manual Engines 20.1–420).

**17** Evacuate air-conditioning system and fill in fresh refrigerant (83.0–830 and 840).

**18** Check air-conditioning system for performance (83.1–510).