

83–516 Draining of air conditioning system

Conventional tools

Double open-end wrench 1/2 x 9/16"

Assembly tester with 3 filling hoses and vacuum pump or evacuating and filling unit (service unit) for air conditioning system.

e.g. made by Christof Fischer
Augsburger Straße 289
7000 Stuttgart 60

Note

In the event of repairs on air conditioning system, drain entire system.

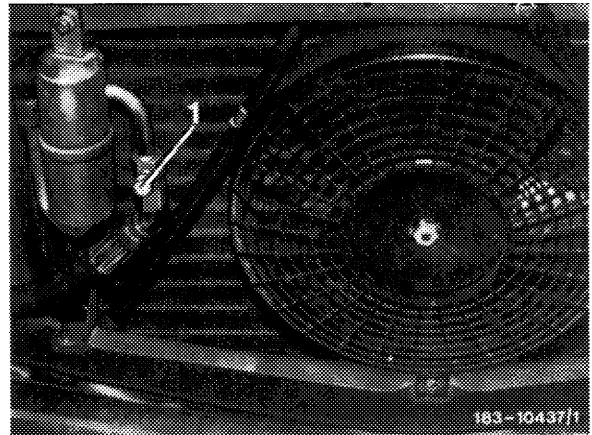
Attention!

Pay attention to safety measures (83–504).

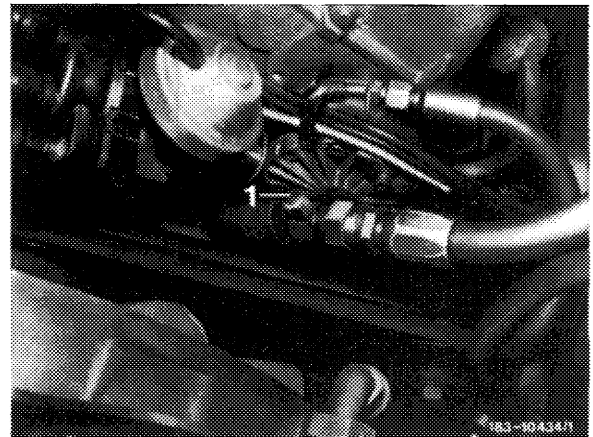
Draining the system

- 1 Unscrew closing caps (1) of both service valves.

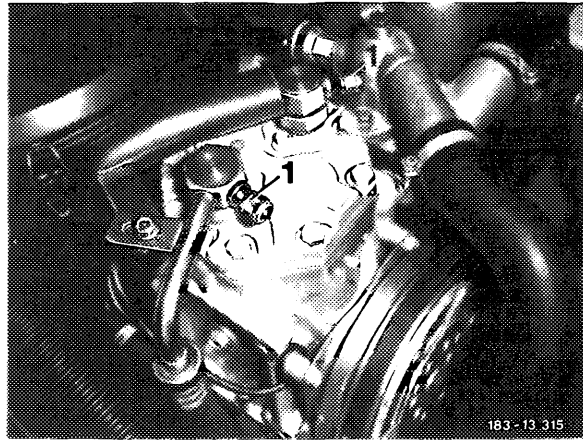
Frigidaire refrigerant compressor
Engine 100 (pressure end)



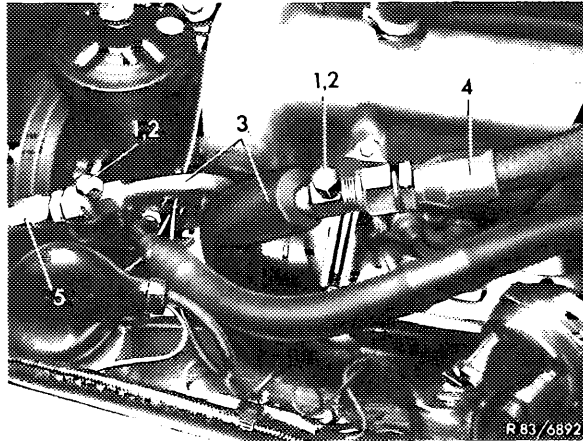
Frigidaire refrigerant compressor
Engine 100 (suction end)



York refrigerant compressor
Engine 110



Frigidaire refrigerant compressor
Engines 116 and 117



2 Connect assembly tester, evacuating and filling unit or two filling hoses to service valves. Make sure that the pressure pin in offset end of filling hose opens the Schrader valve elements in service valves.

3 **Slowly** drain refrigerant either into a glass bottle or into the open air. If quickly drained, the refrigerant will carry the oil from system and refrigerant compressor along.

Attention!

Do not drain refrigerant into assembly pits to avoid risk of suffocation.

4 The system is completely drained as soon as the pressure gauge indicates 0 bar or only a slight overpressure, or when no more refrigerant comes out of connected filling hoses.

5 Unscrew hose lines and close service valves with closing caps. The required repairs can then be made.