

83-520 Checking oil level in refrigerant compressor

B. Delco or Frigidaire refrigerant compressor engines 116 and 117

Oil capacity

Oil type refrigerant oil (for approved cold-flowing oils refer to specifications for service products, page no. 362)

Tightening torques	Nm	(kpm)
Oil check plug	15-17	(1.5-1.7)

Conventional tool

Double open-end wrench 3/8" x 7/16" for oil check screw

Note

All compressors were filled with approx. 300 cc refrigerant oil by manufacturer. Under normal conditions oil must neither be changed nor added. Never fill-in machine or engine oil.

Check oil level after replacing parts, prior to refilling the system, after loosing refrigerant or oil. Since a certain quantity of oil is picked up by the refrigerant and will get into the system, a loss of refrigerant may also include a loss of oil.

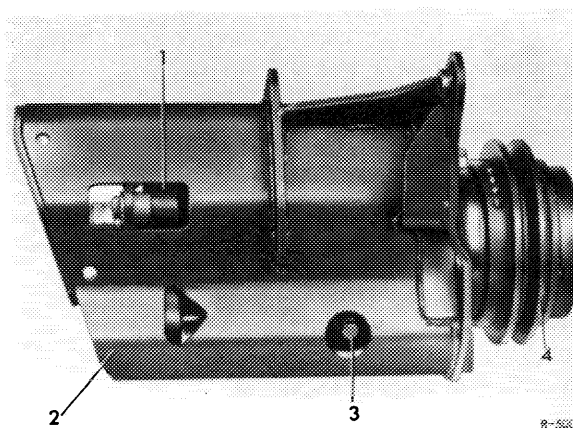
Oil level checkup on vehicles with engine 116.98 and 117.98

On models with Delco or Frigidaire compressor (1st version) an oil level checkup can be made only in removed condition and is only necessary if the system is completely empty. Details concerning removal and installation of refrigerant compressor (83-522).

For oil level checkup, unscrew oil check plug (3), drain oil completely from refrigerant compressor. Then add max. 200 cc fresh refrigerant oil, screw back oil check plug and tighten. If the system has been fluded with refrigerant R 11, fill-in 300 cc refrigerant oil. Then check refrigerant compressor for leaks (83-525).

1st version
Delco or Frigidaire refrigerant
compressor with carrier

- 1 Refrigerant compressor
- 2 Carrier
- 3 Oil level check plug
- 4 Electromagnetic clutch



Oil level checkup on vehicles with engine 116 (3.8) and 117 (5.0)

On models with Delco compressor (2nd version) an oil level checkup in installed condition is possible and only required if the system is completely empty.

For oil level checkup, unscrew oil check screw (3) and fill-in refrigerant oil with spray can up to overflow. Screw in oil check screw and tighten. If system has been flushed with refrigerant R 11, add 300 cc new refrigerant oil. In such a case, remove refrigerant compressor and let all the refrigerant oil run out. Then check refrigerant compressor for leaks (83-525).

2nd version
Delco or Frigidaire refrigerant
compressor with carrier

- 1 Refrigerant compressor
- 2 Carrier
- 3 Oil level check screw
- 4 Electromagnetic clutch

