

## Check fluid level of air conditioning system

Revision: Capacity for model 100 added.  
Models 123 and 116.036 included.

All models except model 113

### Capacity

Model	100	107, 108, 109 116.02/032/033	111	114, 115, 116.036 123
Refrigerant R 12	1800 g 1600 g <sup>1)</sup>	1000 g	800 g	1200 g

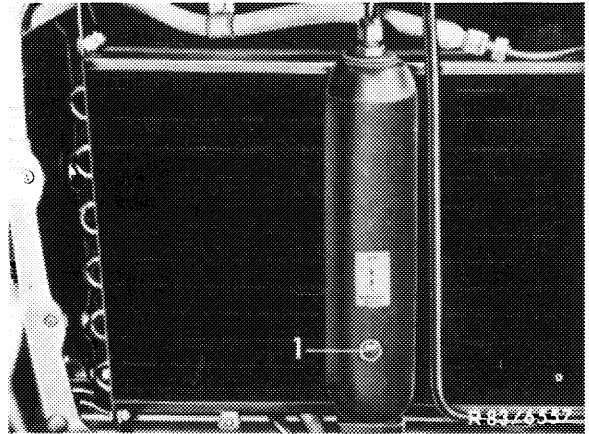
1) On vehicles with auxiliary fan.

### Vehicles without automatic climate control

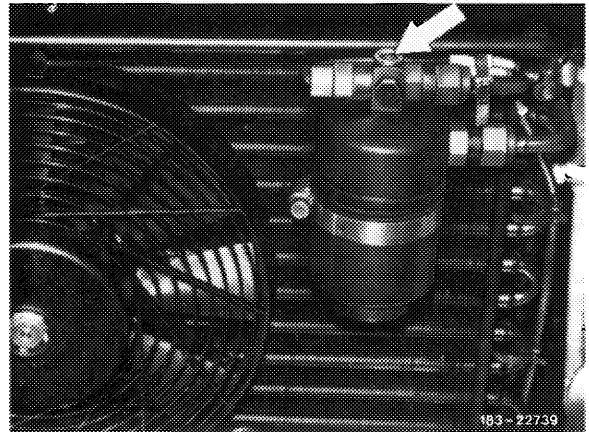
- With the engine running and the air conditioning system switched on, check whether the white ball floats or that the refrigerant flows through free of bubbles.

If the white ball does not float or the formation of bubbles or foam is observed at the inspection window the air conditioning system contains too little refrigerant.

**Note:** If necessary, top up the air conditioning system. In case of a loss of refrigerant of more than 200 g, check the air conditioning system for leaks.

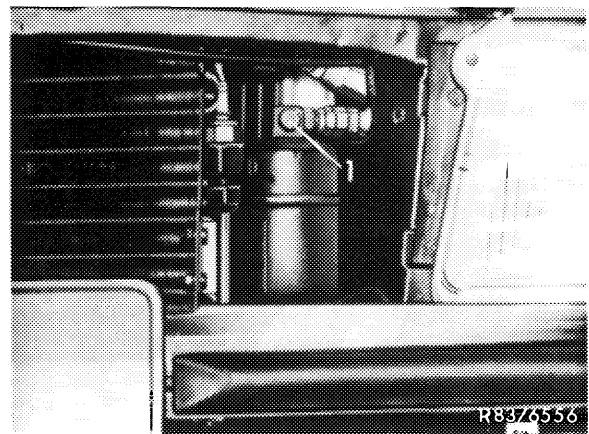


Model 100 without auxiliary fan



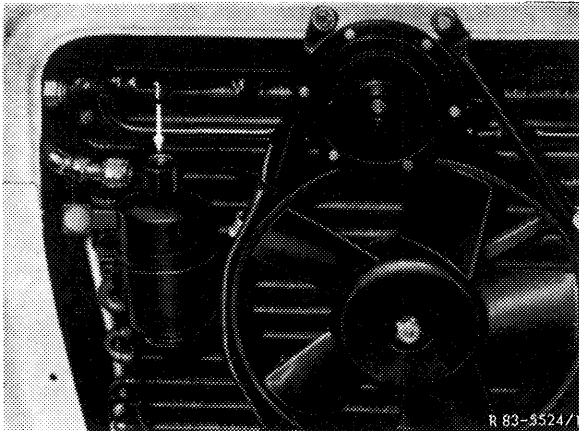
Model 100 with auxiliary fan

1 Inspection window

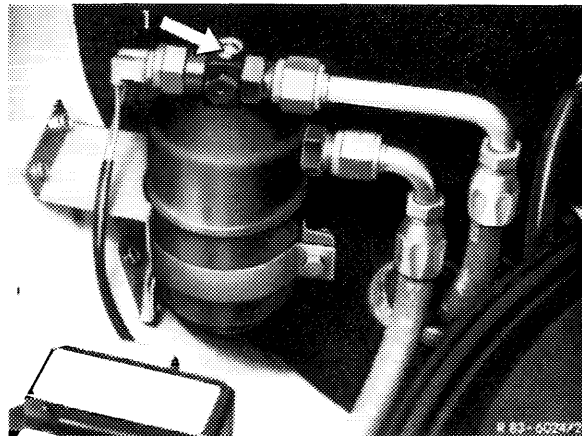


Model 107

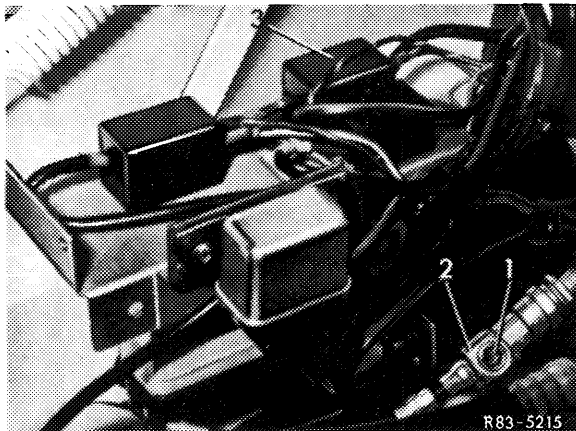




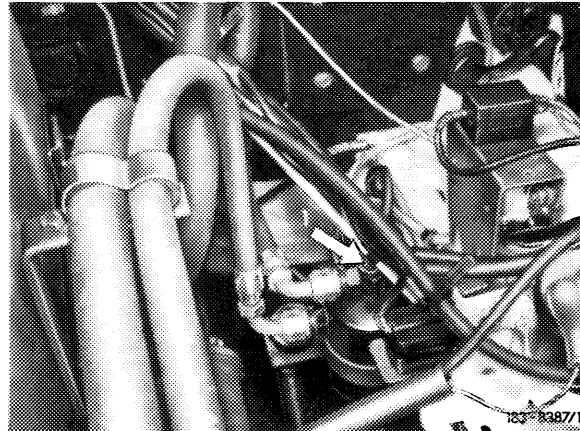
Models 108, 109, 111  
Behr manufacture



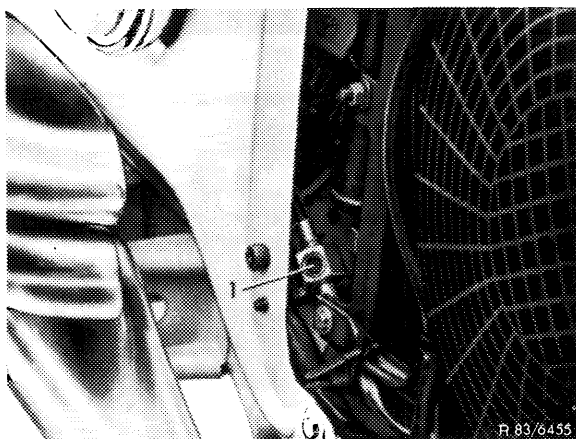
Models 114, 115  
Lefthand drive



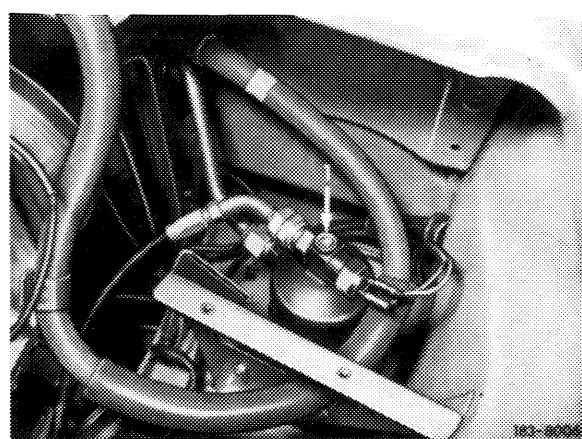
Models 108.016, 108.018, 108.019  
Thermoking manufacture, only in USA vehicles



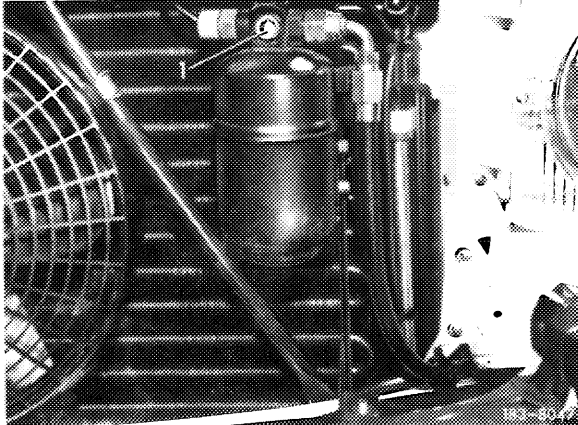
Models 114, 115 (except 114.06/07)  
Righthand drive



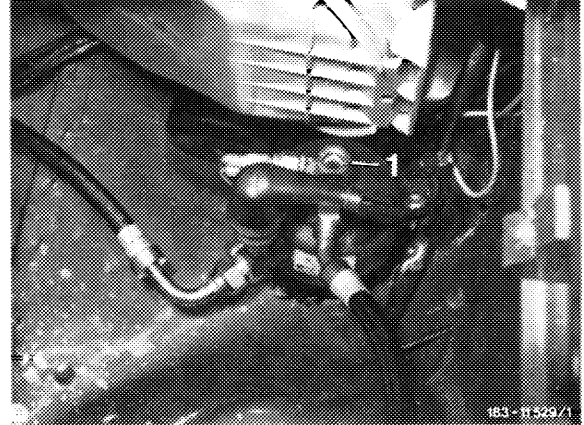
Models 108.067, 108.068, 109.057  
Thermoking manufacture, only in USA vehicles



Models 114.06, 114.07  
Righthand drive



Model 116 Lefthand drive  
(mirror image for righthand drive)

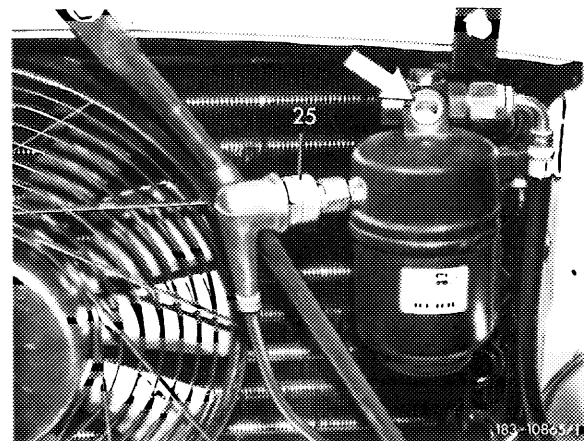


Model 123

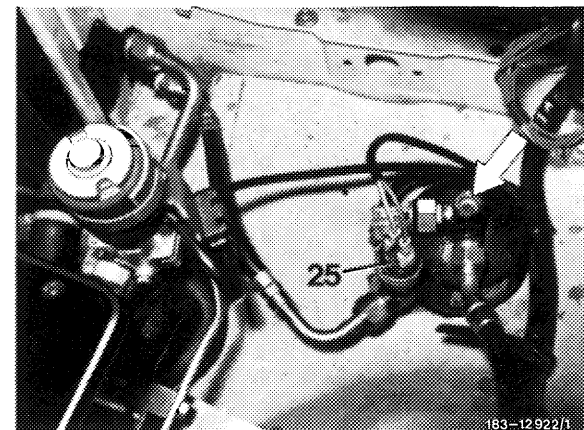
**Vehicles with automatic climate control**

- Start engine and run at idle speed.
- Depress push-button switch "DEF" (blower should run at max. blower stage and the electro-magnetic clutch of compressor should connect).
- Check fluid level as follows: Pull off electric lines on low pressure switch (25), electromagnetic clutch should then switch off and the refrigerant should flow back to reservoir (refer to arrow).
- Reattach electric lines, electromagnetic clutch should again connect and the refrigerant should flow past sight gauge free of bubbles.
- Foam or bubbles at sight gauge are an indication that there is not enough refrigerant in system.

**Note:** If required, top up. If more than 200 g of refrigerant are lost, check system for leaks.



Models 107, 116



Models 123.033, 123.053, 123.130, 123.150 