

Rectifying the Quantity of Oil when Renewing Air Conditioning Components

The oil must always be stored in a sealed container to prevent moisture getting in.

NOTE: If more than one component is being renewed, the total quantity of oil required is the sum of the individual quantities.

Correction amounts

Component	Refrigerant oil
Air conditioning compressor	1. Drain the oil from the old compressor into a clean measuring cylinder. 2. If the new compressor is filled with oil, pour the oil into a second measuring cylinder. Otherwise, use new oil to specification. 3. Pour the same amount of oil into the new compressor as was drained from the old compressor.
Evaporator	Add 15 ml
Condenser	Add 15 ml
Dehydrator	Add 10 ml
Refrigerant lines from expansion valve to compressor	Add 10 ml
Refrigerant lines from compressor to condenser	Add 10 ml
Refrigerant lines from dehydrator to expansion valve	No adjustment necessary
Expansion valve	No adjustment necessary

NOTE: Defects such as burst hoses or the like cause a sudden escape of refrigerant. If this happens, 40 ml of refrigerant oil with the correct specification must be added.

The protective caps on the new components protect them from entry of moisture and other contaminants. Therefore, the protective caps must be kept on the components as long as possible and must only be removed just prior to installation. On completion of the repairs, check, evacuate and then fill the air conditioning with R134a.