

64 52 ... Instructions for opening and part replacement in refrigerant circuit



Special tools required:

- [00 9 030](#)
- [32 1 270](#)

Warning!

- Avoid contact with refrigerant and refrigerant oil
- Follow safety information for [handling R134a refrigerant](#)
- Follow safety information for [handling refrigerant oil](#)

Attention!

- Always use new O-rings each time A/C connections are opened (refer to Electronic Parts Catalogue) They must **not** be coated.
Use special tool [00 9 030](#) to install sealing rings without damaging them.
- Open the refrigerant circuit for as short of a period as possible.
- Close all components and lines in the refrigerant circuit and return parts **immediately** following the removals at openings with special tool [32 1 270](#) to prevent penetration of moisture or foreign objects.
- If the refrigerant circuit was closed at the openings with special tool [32 1 270](#) but it remains open for more than 24 hours, the dryer insert for the air conditioning must be replaced.

I. **Part replacement as preliminary work for further repair work and based on gradual leakage.** (minor leak, e.g. hairline crack)

Procedure:

- [Draw off](#) heating and air conditioning system, then determine drawn-off amount of refrigerant
- Carry out part replacement
- Replace removed refrigerant oil and additionally top up with new refrigerant oil according to components replaced:
 - Compressor: refer to [Notes on compressor replacement](#)
 - Evaporator: 10 ml
 - Capacitor: 20 ml
 - Desiccant insert / dryer flask: 20 ml
 - Each replaced refrigerant line: 10 ml
 - Capacitor with integrated dryer: 40 ml
 - Safety pressure switch and gasket: no additional refrigerant oil
- [Evacuate and fill](#) A/C system

II. **Part replacement due to sudden leakage** (major leak, e.g. pipe break due to accident)

Procedure:

- [Draw off](#) heating and air conditioning system, then determine drawn-off amount of refrigerant
- Carry out part replacement
- Replace removed refrigerant oil and additionally replace with new refrigerant oil according to parts replaced:
 - Compressor: refer to [Notes on compressor replacement](#)
 - Evaporator: 35 ml
 - Capacitor: 35 ml
 - Desiccant insert / dryer flask: 55 ml
 - Each replaced refrigerant line: 35 ml
 - Capacitor with integrated dryer: 55 ml
 - Safety pressure switch and gasket: no additional refrigerant oil
- Evacuate and fill [A/C system](#)

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