

A/C Service Tips and Precautions

1. Always disconnect the negative cable from the battery whenever replacing air conditioner parts.
2. Keep moisture and dust out of the system. When disconnecting any lines, plug or cap the fittings immediately; don't remove the caps or plugs until just before you reconnect each line.
3. Before connecting any hose or line, apply a few drops of refrigerant oil to the O-ring.
4. When tightening or loosening a fitting, use a second wrench to support the matching fitting.
5. When discharging the system, use a refrigerant recovery system; don't release refrigerant into the atmosphere.
6. Add refrigerant oil after replacing the following parts:

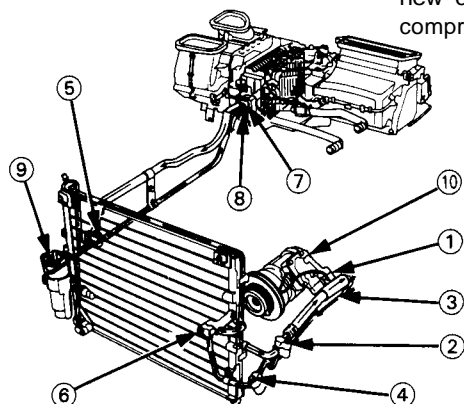
Condenser 30 cc (1/2 fl oz)

Evaporator 60 cc (2 fl oz)

Line or hose 10 cc (1/3 fl oz)

Receiver 10 cc (1/3 fl oz)

Compressor On compressor replacement, subtract the volume of oil drained from the removed compressor from 100 cc (3 fl oz), and drain the calculated volume of oil from the new compressor: 100 cc (3 fl oz) minus the Volume of oil from the removed compressor = Volume to drain from new compressor.



Don't overtighten fittings; you could damage them. Leaks are caused by faulty O-rings; overtightening won't stop them.

① Suction hose at the compressor
29 N·m (2.9 kg-m — 21 lb-ft)

② Suction hose and suction line
9 N·m (0.9 kg-m — 6.5 lb-ft)

③ Discharge hose at the compressor
29 N·m (2.9 kg-m — 21 lb-ft)

④ Discharge hose to the Discharge line
9 N·m (0.9 kg-m — 6.5 lb-ft)

⑤ Suction line to suction line
10 N·m (1.0 kg-m — 7.2 lb-ft)

⑥ Discharge hose at the condenser
29 N·m (2.9 kg-m — 21 lb-ft)

⑦ Suction line at the heater unit
10 N·m (1.0 kg-m — 7.2 lb-ft)

⑧ Receiver line at the heater unit
10 N·m (1.0 kg-m — 7.2 lb-ft)

⑨ Receiver line at the receiver/dryer
10 N·m (1.0 kg-m — 7.2 lb-ft)

⑩ Compressor mounting bolts
25 N·m (2.5 kg-m — 18 lb-ft)

⚠ WARNING

When handling refrigerant (R-12):

- Always wear eye protection.
- Do not let refrigerant get on your skin or in your eyes. If it does:
 - Do not rub your eyes or skin.
 - Splash large quantities of cool water in your eyes or on your skin.
 - Rush to a physician or hospital for immediate treatment. Do not attempt to treat it yourself.
- Keep refrigerant containers stored below 40°C (100°F).
- Do not handle or discharge refrigerant in an enclosed area near an open flame: it may ignite and produce a poisonous gas.
- Chlorine from chemicals called chlorofluorocarbons (CFCs) destroys the ozone in the stratosphere. Automotive air conditioning systems currently use chlorofluorocarbons as the refrigerant. Auto air conditioning service equipment has been developed to minimize the release of CFCs to the atmosphere. All service procedures should be performed using this equipment and the manufacturer's instructions.