

COOLING UNIT

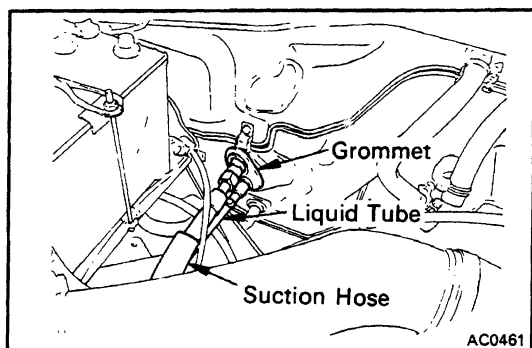
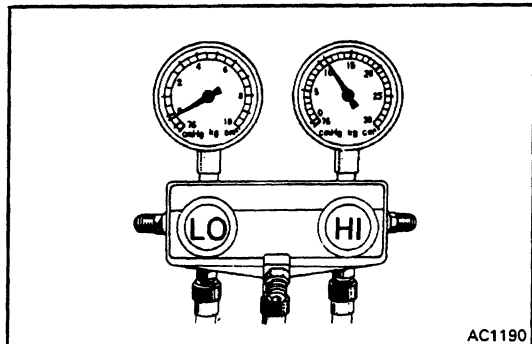
ON-VEHICLE INSPECTION OF EXPANSION VALVE

1. CHECK QUANTITY OF REFRIGERANT GAS DURING REFRIGERATION CYCLE
2. INSTALL MANIFOLD GAUGE SET
(See page AC-14)
3. RUN ENGINE

Run the engine at 2,000 rpm for at least 5 minutes.

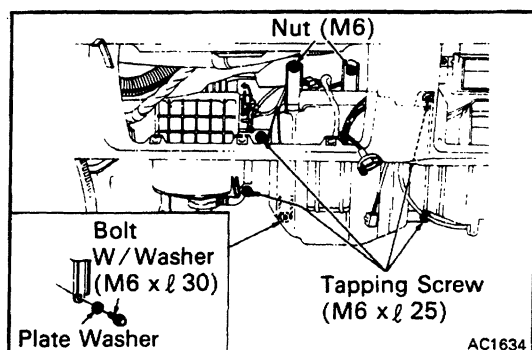
4. CHECK EXPANSION VALVE

If the expansion valve is clogged, the low pressure reading will drop to 0 kg /cm² (0 psi, 0 kPa), otherwise it is OK.



REMOVAL OF COOLING UNIT

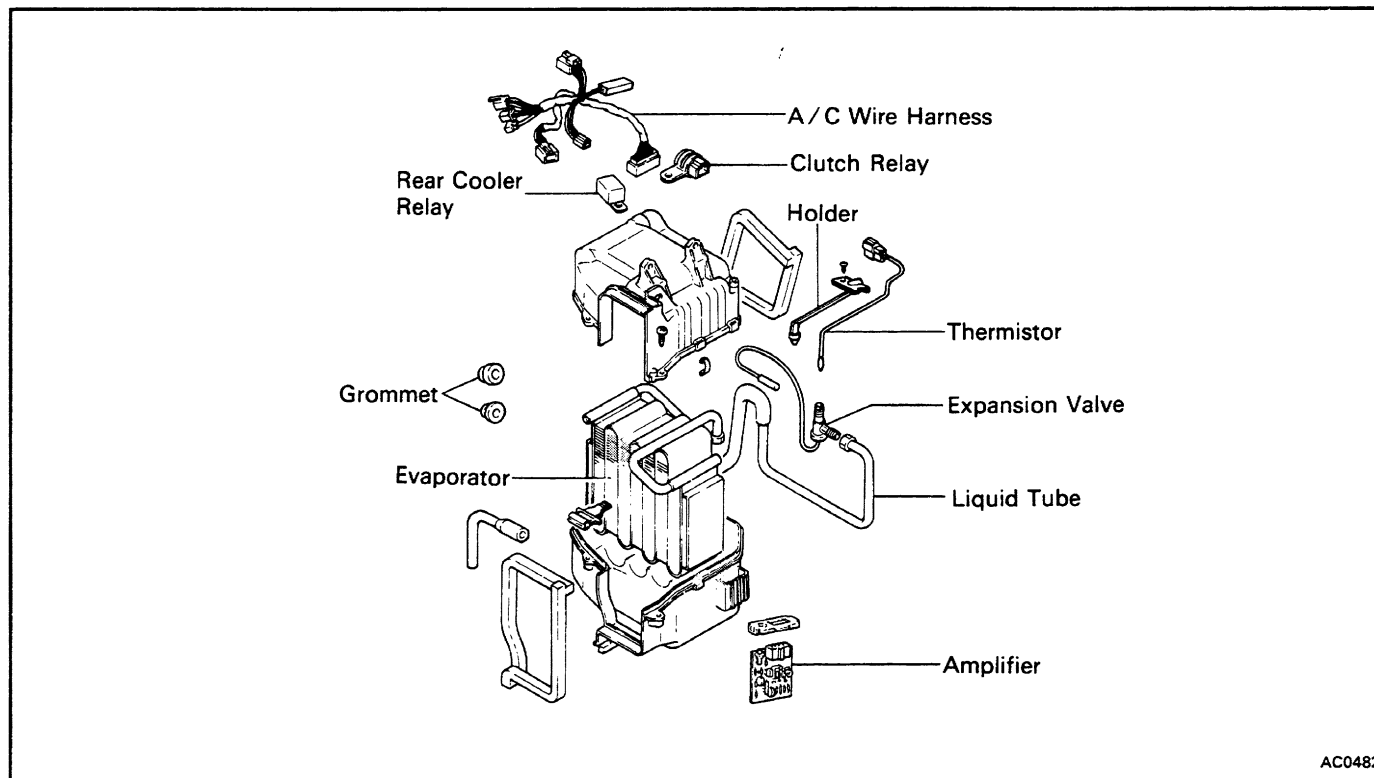
1. DISCONNECT NEGATIVE CABLE FROM BATTERY
2. DISCHARGE REFRIGERATION SYSTEM
3. DISCONNECT SUCTION TUBE FROM COOLING UNIT OUTLET FITTING
4. DISCONNECT LIQUID TUBE FROM COOLING UNIT INLET FITTING
HINT: Cap the open fittings immediately to keep moisture out of the system.
5. REMOVE GROMMETS FROM INLET AND OUTLET FITTINGS



6. REMOVE GLOVE BOX COMPARTMENT
7. DISCONNECT CONNECTORS
8. REMOVE COOLING UNIT

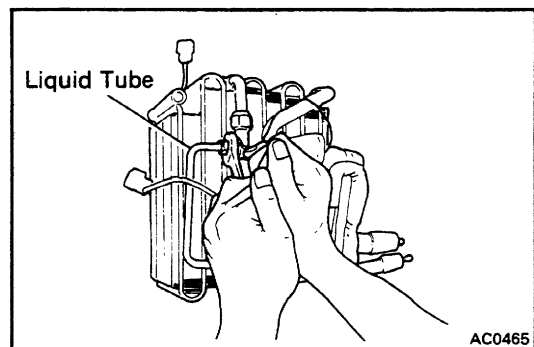
Remove two nuts and four screws and a bolt.

DISASSEMBLY OF COOLING UNIT



1. REMOVE LOWER AND UPPER UNIT CASE

- Disconnect connectors.
- Remove the wire harness.
- Remove four clips.
- Remove four screws.
- Remove upper unit case.
- Remove lower unit case.



2. REMOVE COMPONENTS FROM EVAPORATOR

- Remove the heat insulator.
- Disconnect the liquid tube from inlet fitting of the expansion valve.
- Disconnect the expansion valve from the inlet fitting of the evaporator.
- Remove the pressure switch, if necessary.