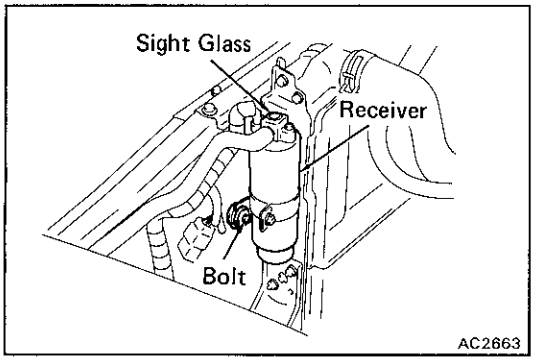


EXPANSION VALVES

Front A/C Expansion Valve

ON-VEHICLE INSPECTION

1. **INSPECT REFRIGERANT VOLUME**
   (See page AC-18)
2. **INSTALL MANIFOLD GAUGE SET**
3. **TURN FRONT A/C SWITCH ON AND BLOWER SWITCH TO HI POSITION**
4. **RUN ENGINE AT APPROX. 2,000 RPM FOR AT LEAST FIVE MINUTES**
5. **INSPECT EXPANSION VALVE**

   If the expansion valve is clogged, the low pressure reading is normal and only the front A/C is not cooling, check for the malfunction of the expansion valve.

REMOVAL OF EXPANSION VALVE

See Disassembly of Front Cooling Unit on page AC-40

INSTALLATION OF EXPANSION VALVE

See Assembly of Front Cooling Unit on page AC-41

Rear Cooler Expansion Valve

ON-VEHICLE INSPECTION

Turn the rear cooler switch ON and rear blower switch to the front A/C expansion valve.

HINT: If the low pressure reading is normal and cool air is only failing to come out of the rear cooler, check for a malfunction of the expansion valve.

REMOVAL OF EXPANSION VALVE

See disassembly of Rear Cooling Unit on page AC-43

INSTALLATION OF EXPANSION VALVE

See Assembly of Rear Cooling Unit on page AC-44