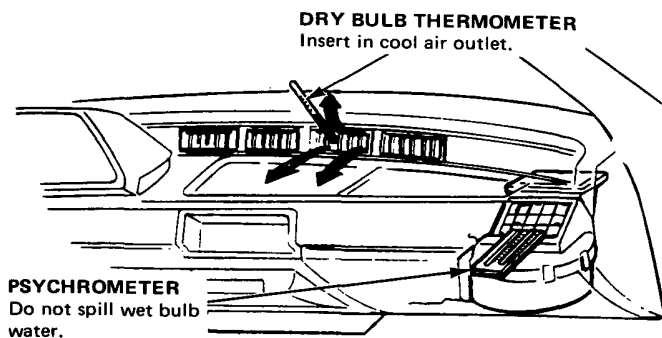
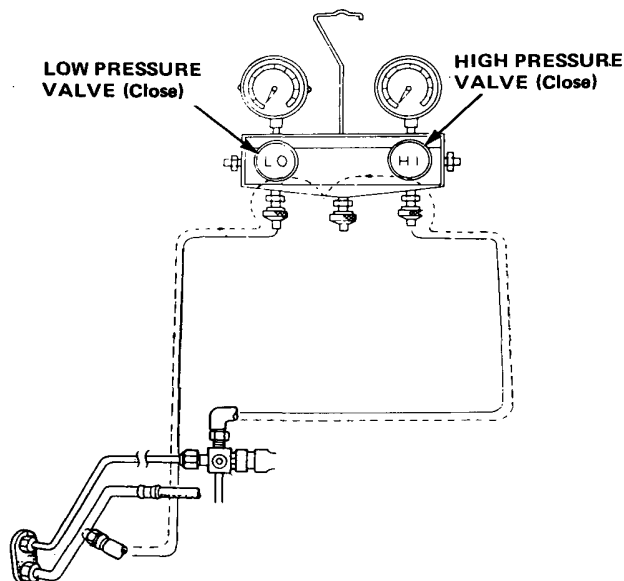


Performance Testing

Performance Testing

NOTE: Performance should be tested when humidity is 60–80%. If below 60%, the temperature and pressure readings will be lower than the range on the graph below; if above 80%, readings will be higher.

1. Connect gauges as shown.
2. Insert a dry bulb thermometer in the cool air outlet, and place the psychrometer (dry and wet bulb thermometer) close to the inlet of blower.
3. Test conditions:
 - Avoid direct sunlight.
 - Open engine hood.
 - Open front doors and windows.
 - Set the temperature control lever to COLD (left end). Set the mode control to VENT. Set the recirculation control to REC.
 - Turn the fan switch to HI (right end).
 - Turn the A/C switch on.
 - Run the engine at 1,500 rpm.
 - No driver and passengers in car.
4. After running the system for about 10 minutes under the above conditions, read the thermometer and pressure valve.
5. The performance of the system is satisfactory if the measurements are within the range bands shown on the Performance Chart.



Examples

Measurements.

Intake temperature (Wet bulb): 25.5°C (78°F)

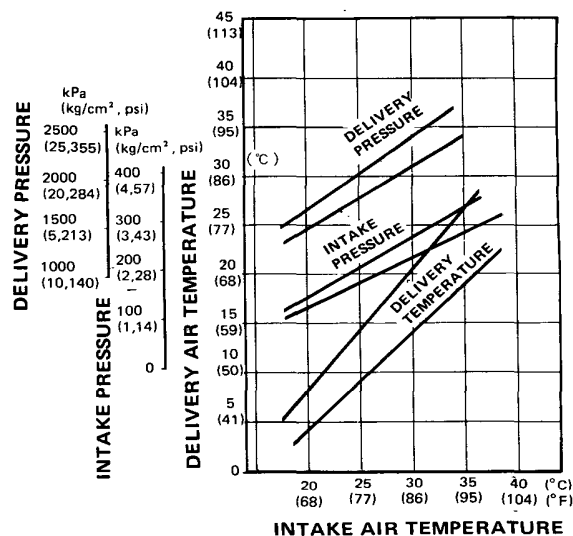
Intake temperature (Dry bulb): 30°C (86°F)

70% humidity

Delivery temperature: 17°C (63°F)

Delivery pressure: 2,250 kPa (22.5 kg/cm², 320 psi)

Intake pressure: 250 kPa (2.5 kg/cm², 36 psi)



Proper intake/delivery pressure, and temperature ranges are shown on the chart at right.

Find your intake temperature across the bottom, and the relative intake and delivery pressures up the side: Lines down at right angles to your measurements should cross within the range bands on the graph.