

# A/C System Service

## Performance Test

The performance test will help determine if the air conditioner system is operating within specifications.

### NOTE:

- Only use a gauge set for refrigerant HFC-134a (R-134a).
- Use a vacuum pump adapter which is equipped with a check valve to prevent the backflow of the vacuum pump oil.

1. Connect the R-134a gauges as shown.
2. Insert a thermometer in the center vent outlet. Determine the relative humidity and ambient air temperature by a portable weather station or calling the local weather station.
3. Test conditions:
  - Avoid direct sunlight.
  - Open hood.
  - Open front doors.
  - Set the temperature control lever to MAX. COOL, push the mode control button to VENT, and push the recirculation button.
  - Slide the heater fan switch to MAX.
  - Run the engine at 1,500 rpm ( $\text{min}^{-1}$ ).
  - No driver or passengers in vehicle.
4. After running the air conditioning for 10 minutes under the above-mentioned test conditions, read the delivery temperature from the thermometer in the dash vent, and the high and low system pressures from the A/C gauges.



