**Meets ASE Task:** (A7-A-4) P-1 Identify steps of an A/C performance test; perform A/C system performance test; interpret results; determine needed action.

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date:\_\_\_\_\_\_\_\_\_\_\_\_\_

Time on Task:\_\_\_\_\_\_\_\_\_\_\_\_\_

Make/Model/Year:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

VIN:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Evaluation (Enter number from 4, 3, 2, 1) :\_\_\_\_\_\_\_\_\_

**Air-Conditioning System Performance Test**

Page 194

**NOTE:** This test procedure is best performed when the temperature is above 70° F (21° C).

**[ ]  1.** Start the engine, turn the air conditioning to maximum cooling, open the doors and

 windows, and increase engine speed to about 1500-2000 RPM.

**[ ]  2.** Turn the blower motor to high speed.

**[ ]  3.** Measure the temperature of the air at the air-conditioning vent in the center of the

 dash.

Temperature = \_\_\_\_\_\_ [should be 35° - 45° F (2° - 7° C)]

 **OK[ ]  NOT OK[ ]**

**[ ]  4.** Record high-side and low-side pressures \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**[ ]  5.** Stop the engine and visually inspect the condition of the air-conditioning compressor

 drive belt (accessory drive belt).

 **OK[ ]  NOT OK[ ]**

**[ ]  6.** Visually check for any signs of leaking refrigerant oil that could indicate a refrigerant

 leak.

 **OK[ ]  NOT OK[ ]**