



Air-Conditioning System Performance Test

Meets NATEF Task: (A7-A-1, A7-A-3) Performance test the A/C system and diagnose using principles of refrigeration. (P-1)

Name _____ Date _____ Time on Task _____

Make/Model/Year _____ VIN _____ Evaluation: 4 3 2 1

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. Stop the engine and visually inspect the condition of the air-conditioning compressor drive belt (accessory drive belt).

OK _____ NOT OK _____

_____ 5. Visually check for any signs of leaking refrigerant oil that could indicate a refrigerant leak.

OK _____ NOT OK _____