

# Heating System Performance Check

**Meets ASE Task:** (A7-C-2) P-2, (A7-C-3) P-2 Diagnose temperature control problems; determine needed action.

Name \_\_\_\_\_ Date \_\_\_\_\_ Time on Task \_\_\_\_\_

Make/Model/Year \_\_\_\_\_ VIN \_\_\_\_\_ Evaluation: 4 3 2 1

\_\_\_\_\_ 1. Check the front of the radiator and air-conditioning condenser for debris that could limit airflow. Clean as required.

OK \_\_\_\_\_ NOT OK \_\_\_\_\_

\_\_\_\_\_ 2. Perform a thorough visual inspection of the cooling system. Look for hoses that may be leaking, cut, or swollen.

OK \_\_\_\_\_ NOT OK \_\_\_\_\_

\_\_\_\_\_ 3. Start the engine and operate the heater and air-conditioning controls for proper operation including:

defroster (airflow to windshield) OK \_\_\_\_\_ NOT OK \_\_\_\_\_

heater (airflow to floor) OK \_\_\_\_\_ NOT OK \_\_\_\_\_

A/C (airflow to vents) OK \_\_\_\_\_ NOT OK \_\_\_\_\_

blower motor on all speeds OK \_\_\_\_\_ NOT OK \_\_\_\_\_

\_\_\_\_\_ 4. Using an infrared pyrometer, measure the temperature of the upper radiator hose.

Temperature = \_\_\_\_\_ (should be close to the same temperature as the thermostat rating)

OK \_\_\_\_\_ NOT OK \_\_\_\_\_

\_\_\_\_\_ 5. Based on the test results, what is the needed action? \_\_\_\_\_