

Identify Heating and A/C Concerns

Meets ASE Task: (A7-A-7) P-1 Identify and interpret heating and air conditioning problems; determine needed action.

Name: _____ Date: _____ Time on Task: _____

Make/Model/Year: _____ VIN: _____

Evaluation (Enter number from 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 tests, what is the needed action: _____