

# Engine Cooling System Inspection

**Meets ASE Task:** (A1-D-1) P-1 Perform cooling system pressure tests; check coolant condition; inspect and test radiator, pressure cap, coolant recovery tank, and hoses.

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

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

\_\_\_\_\_ 1. Inspect the radiator for exterior leaks or clogged areas due to bugs, dirt, or debris, and clean as required.

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

\_\_\_\_\_ 2. Pressure test the cooling system. The entire system should hold about 15 psi for 5 minutes, unless there is a leak.

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

Location of leak \_\_\_\_\_

\_\_\_\_\_ 3. Pressure test the radiator cap. The cap holds \_\_\_\_\_ psi.

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

\_\_\_\_\_ 4. Check the freezing point of the coolant using an hydrometer \_\_\_\_\_ [should be -34° F (-37° C) or lower].

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

\_\_\_\_\_ 5. Check the boiling point of the coolant using an hydrometer = \_\_\_\_\_.

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

