

Cooling System Inspection

Meets ASE Task: A7 – C-1 – P-1

Name: _____ Date: _____ Time on Task: _____

Make/Model/Year: _____ VIN: _____

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

1. Check the level of coolant in the coolant recovery tank. It should be between the “full hot” and “full cold” lines. **OK** _____ **NOT OK** _____

2. After the engine has cooled, remove the radiator cap.

CAUTION: Do not remove the radiator cap if the engine is hot. The coolant will explosively expand when the cap is removed which can cause severe burns to anyone near the vehicle.

3. The coolant should be at the full level in the radiator.

OK _____ **NOT OK** _____

4. Check the freezing point and boiling point of the coolant.

Freezing point = _____ [should be -34° F (-36° C) or lower]

Boiling point = _____

5. Pressure test the cooling system by installing a cooling system pressure tester and pump until the pressure is equal to the pressure cap value. Pressure should hold if there are no leaks.

OK _____ **NOT OK** _____



6. Test the radiator cap using the cooling system pressure tester with an adapter that fits the cap. The cap should hold its rated pressure. **OK** _____ **NOT OK** _____

7. What is the necessary action? _____
