

Cooling System Inspection

Meets ASE Task: (A7-C-1) P-1, (A7-C-2) P-2 Perform cooling system pressure tests; perform needed action.

Name _____ Date _____ Time on Task _____

Make/Model/Year _____ VIN _____ Evaluation: 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 = _____

OK _____ NOT OK _____

_____ 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 needed action? _____

