

# Cooling System Inspection

**Meets NATEF Task:** (A7-C-1) Perform cooling system pressure tests; perform necessary action. (P-1)

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 necessary action?

\_\_\_\_\_

