

# Cooling System Tests

Meets ASE Task: A1 – A-3 – P-1

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

Make/Model/Year: \_\_\_\_\_ VIN: \_\_\_\_\_

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

- 1. Check service information for the specified cooling system tests and specifications.  
\_\_\_\_\_
- 2. Pressure test the cooling system using a hand-operated pressure tester as per the tester manufacturer's instructions. Results:  
\_\_\_\_\_ OK – pressure held  
\_\_\_\_\_ NOT OK – pressure dropped  
Describe the fault found: \_\_\_\_\_
- 3. Pressure test the pressure cap using a hand-operated pressure tester.  
\_\_\_\_\_ OK – pressure held  
\_\_\_\_\_ NOT OK
- 4. Check the cooling system for presence of combustion gases. Check the procedure used.  
\_\_\_\_\_ Exhaust gas analyzer checking for HC emissions  
\_\_\_\_\_ Coated paper that changes color  
\_\_\_\_\_ Liquid tester that changes color  
\_\_\_\_\_ Other (describe) \_\_\_\_\_
- 5. Results of combustion gas test:  
\_\_\_\_\_ Negative (no combustion gases discovered in coolant)  
\_\_\_\_\_ Positive (combustion gas discovered in coolant)
- 6. Check temperature of cooling system using an infrared pyrometer or other suitable temperature measuring instrument.
- 7. Based on the cooling system tests, what is the necessary action? \_\_\_\_\_  
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