**Meets ASE Task:** (A7-D-5) P-2 Diagnose malfunctions in the vacuum, mechanical, and/or electrical components and controls of the HVAC system; determine needed action.

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date:\_\_\_\_\_\_\_\_\_\_\_\_\_

Time on Task:\_\_\_\_\_\_\_\_\_\_\_\_\_

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

VIN:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

**Air Conditioning Control System Diagnosis**

Page 208

**1.** Check service information and describe the tests specified to diagnosis faults in the

vacuum, mechanical, and electrical controls of the heating, ventilation, and air

conditioning system (describe the tests). \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**2.** Check or replace cabin filter as needed. Describe the condition \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**3.** What test equipment was specified to be used in the diagnosis of faults in the vacuum,

mechanical, and electrical HVAC system? Check all that apply.

a. Hand-operated vacuum pump

b. DMM

c. Scan tool

d. Other (describe) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**4.** After diagnosing the HVAC system, what is the needed action? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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