**Meets ASE Task:** (A7-E-3) P-1 Identify A/C system refrigerant; test for sealants; recover, evacuate, and charge A/C system; add refrigerant oil as required.

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

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

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

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

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

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

**Evacuate and Charge A/C System**

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**[ ]  1.** Check the underhood decal or A/C pressure fittings to verify the type of refrigerant

 that should be in the system. CFC-12 **[ ]** HFC-134a **[ ]** HFO-1234yf **[ ]**

**[ ]  2.** Connect an A/C refrigerant identification to the fitting and determine the type of

 refrigerant that is in the system. CFC-12 **[ ]** HFC-134a **[ ]** HFO-1234yf **[ ]**

 (Do not proceed with the recovery unless the refrigerant is properly identified.)

**[ ]  3.** Connect the hoses from the recovery unit to both the high-side and low-side fittings.

**[ ]  4.** Recover the refrigerant and note the amount of refrigerant oil that was removed from

 the system. Amount of refrigerant oil recovered = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**[ ]  5.** Repair any leaks in the system and/or replace any failed component.

**NOTE:** Most vehicle manufacturers recommend replacing the accumulator or

receiver drier if the system has been open for any length of time or if the

compressor has failed.

**[ ]  6.** Evacuate the system to a vacuum of at least 27” Hg (best if 29” Hg) for at least 45

 minutes.

 Lowest vacuum level reached = \_\_\_\_\_\_ Time spent evacuating = \_\_\_\_\_\_\_

**[ ]  7.** Recharge the system with the specified amount of refrigerant.

**[ ]  8.** Start the engine andcheck the high-side and the low-side pressures:

 low-side pressure = \_\_\_\_\_\_\_\_\_ high-side pressure = \_\_\_\_\_\_\_\_\_\_

**[ ]  9.** Check the temperature of the air from the center air-conditioning vent.

 Air temperature = \_\_\_\_\_\_ [should be 35° - 45° F (2° - 7° C)]

 **OK [ ]  NOT OK [ ]**