

Evacuate and Charge A/C System

Meets ASE Task: A7 – E-4 – P-1

Name: _____ Date: _____ Time on Task: _____

Make/Model/Year: _____ VIN: _____

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

- 1. Check the under-hood decal or A/C pressure fittings to verify the type of refrigerant that should be in the system. CFC-12 _____ HFC-134a _____ other _____
- 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 _____ other _____
(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 and check 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** _____