

► TASK Identify A/C system refrigerant; test for sealants; recover, evacuate, and charge A/C system; add refrigerant oil as required.

MAST
7E2

CDX Tasksheet Number: C836

Time off	_____
Time on	_____
Total time	_____

1. Research the procedure and specifications to identify A/C system refrigerant; test for sealants; recover the A/C system refrigerant in the appropriate service information.

- a. Specified type of refrigerant: _____
- b. Specified capacity of refrigerant: _____ lb/kg
- c. Specified refrigerant oil: _____
- d. Specified refrigerant oil capacity: _____ oz/mL

NOTE Refrigerant oil capacity is only applicable in case of a system flush.

2. List the method you will use to identify any sealant installed in the A/C system:

3. Following the specified procedure, test for sealant in the A/C system.

- a. Was sealant identified in the A/C system? Yes: _____
No: _____

NOTE If any sealants were identified notify your supervisor/instructor.

4. List the method you will use to identify the type of refrigerant installed in the A/C system:

5. Following the specified procedure, identify the existing refrigerant in the A/C system.

- a. Type identified: _____
- b. Is this the specified refrigerant? Yes: _____ No: _____
- c. Determine any necessary action(s): _____

6. Following the specified procedure, recover the refrigerant installed in the A/C system.

- a. How much refrigerant was recovered from the system?
_____ lb/kg
- b. How much oil was recovered, if any? _____ oz/mL

- c. Are these the specified amounts? Yes: _____ No: _____
- d. Determine any necessary action(s):

7. Research the procedure and specifications for evacuating and charging the A/C system in the appropriate service information.

- a. If you are recharging the system using the high side service port, list the specified time for the low side pressure to reach specifications: _____ seconds

NOTE In the absence of a specified time, a good rule of thumb to remember is that the low side pressure should reach 0 psi within 7 seconds if the expansion valve or orifice tube is not restricted.

8. Following the specified procedure, evacuate the A/C system.

- a. Inches of mercury attained: _____
- b. Microns attained: _____

9. Have your supervisor/instructor verify the reading. Supervisor's/instructor's initials: _____

10. Following the specified procedure, add the refrigerant oil to the system, if needed.

- a. List the amount of oil you added to the system: _____ oz/mL

11. Following the specified procedure, charge the A/C system.

- a. List the amount of refrigerant you installed: _____ lb/kg
- b. Did the low side pressure rise within the specified time?
Yes: _____ No: _____

**12. Is equalizing the refrigerant hoses necessary? Yes: _____
No: _____**

13. Start the engine and operate the A/C system.

14. Is the system operating properly? List your observations including pressures and temperatures:

15. Determine any necessary action(s):

16. Have your supervisor/instructor verify satisfactory completion of this procedure, any observations found, and any necessary action(s) recommended.

Performance Rating

CDX Tasksheet Number: C836

0

1

2

3

4

Supervisor/instructor signature _____ Date _____