

Refrigerant Recovery, Recycling, and Handling

Student/Intern information:

Name _____ Date _____ Class _____

Vehicle used for this activity:

Year _____ Make _____ Model _____

Odometer _____ VIN _____

Learning Objective/Task	CDX Tasksheet Number	2017 MAST NATEF Reference Number; Priority Level
• Identify refrigerant type; select and connect proper gauge set/test equipment; record temperature and pressure readings.	C650	7A5; P-1
• Leak test A/C system; determine needed action.	C347	7A6; P-1
• Identify A/C system refrigerant; test for sealants; recover, evacuate, and charge A/C system; add refrigerant oil as required.	C836	7E2; P-1
• Recycle, label, and store refrigerant.	C657	7E3; P-1
• Determine recommended oil and oil capacity for system application.	C652	7A8; P-1
• Inspect condition of refrigerant oil removed from the system; determine needed action.	C651	7A7; P-2
• Determine need for an additional A/C system filter; perform needed action.	C863	7B5; P-3

Time off _____

Time on _____

Total time _____

Materials Required

- Refrigerant identifier
- Appropriate air conditioning manifold gauge set including service hoses
- Infrared temp gun or AC thermometer
- Air conditioning service station recovery/recycling equipment as necessary
- Refrigerant detecting equipment
- Specified refrigerant oil

Some Safety Issues to Consider

- Refrigerant can cause serious damage if it comes in contact with a person's unprotected skin and eyes.
- When operating, the air conditioning system is normally subject to very high pressure in the system. Extreme caution must be exercised when working on an operating system.
- Extreme caution must be exercised when working around rotating components.
- When running any vehicles in the shop, make sure you use the shop's exhaust ventilation system to discharge all exhaust gas safely outside.
- Comply with personal and environmental safety practices associated with clothing; eye protection; hand tools; power equipment; proper ventilation; and the handling, storage, and disposal of chemicals/materials in accordance with local, state, and federal safety and environmental regulations.

Performance Standard

0–No exposure: No information or practice provided during the program; complete training required

1–Exposure only: General information provided with no practice time; close supervision needed; additional training required

2–Limited practice: Has practiced job during training program; additional training required to develop skill

3–Moderately skilled: Has performed job independently during training program; limited additional training may be required

4–Skilled: Can perform job independently with no additional training