

Preliminary Testing

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
• Performance test A/C system; identify problems.	C824	7A3; P-1
• Identify abnormal operating noises in the A/C system; determine needed action.	C825	7A4; P-2
• Inspect for proper A/C condenser for airflow; determine needed action.	C356	7B7; P-1
• Inspect evaporator housing water drain; perform needed action.	C830	7B10; P-1
• Identify the source of HVAC system odors.	C655	7D7; P-2

Time off _____

Time on _____

Total time _____

Materials Required

- Appropriate air conditioning manifold gauge set including service hoses
- Air conditioning service station recovery/recycling equipment as necessary
- Auxiliary fan for condenser (if needed)
- Appropriate thermometers
- Infrared temperature gun/thermocouple
- Anemometer
- Stethoscope
- Scan tool

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.
- Diagnosis of this fault may require test-driving the vehicle on the school grounds. Attempt this task only with full permission from your instructor and follow all the guidelines exactly.
- 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