

Accessories Diagnosis and Repair (cont.)

Student/intern information:

Name _____ Date _____ Class _____

Vehicle used for this activity:

Year _____ Make _____ Model _____

Odometer _____ VIN _____

Learning Objective/Task	CDX Tasksheet Number	2013 MLR NATEF Reference Number; Priority Level	2013 AST NATEF Reference Number; Priority Level	2013 MAST NATEF Reference Number; Priority Level
• Diagnose (troubleshoot) body electronic system circuits using a scan tool; determine necessary action.	C338			6H12; P-3
• Check for module communication errors (including CAN/BUS systems) using a scan tool.	C821		6H7; P-2	6H7; P-2
• Diagnose the cause(s) of false, intermittent, or no operation of anti-theft systems.	C340			6H13; P-3
• Perform software transfers, software updates, or flash reprogramming on electronic modules.	C649			6H14; P-3

Time off _____

Time on _____

Total time _____

Materials Required

- Vehicle/simulator with appropriate fault for each task
- Vehicle diagnostic scan tool
- DMM/DVOM
- Manufacturer or job specific tools depending on the fault

Some Safety Issues to Consider

- Be cautious around electricity. High voltage (enough to injure or kill you) is present on many vehicles. Ignition systems, hybrid vehicles, and 42-volt electrical systems are just a few hazards to be careful of.
- Accidental deployment of the airbag system could happen if you inadvertently probe the wrong wire. Most manufacturers use yellow-colored wiring to denote wiring for the airbag system. Always be aware of the system/circuit you are working on.
- Only students who have a valid driver's license and their supervisor's/instructor's direct permission should perform these tasks due to the safety concerns involved.
- If you need to start the vehicle you should ensure that the parking brake is firmly applied; if necessary, use wheel chocks to prevent the vehicle from moving when the vehicle is started to verify the completion of this task.
- When running any vehicles in the shop, make sure you use the shop's exhaust ventilation system to discharge all exhaust gas safely outside.
- Always wear the correct protective eyewear and clothing, and use the appropriate safety equipment, as well as fender covers, seat protectors, and floor mat protectors.
- Make sure you understand and observe all legislative and personal safety procedures when carrying out practical assignments. If you are unsure of what these are, ask your supervisor/instructor.

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