

Electrical/Electronic Systems: Accessories Diagnosis and Repair

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) incorrect operation of motor-driven accessory circuits; determine necessary action.	C330		6H1; P-2	6H1; P-2
• Describe the operation of keyless-entry/ remote-start systems.	C648	6F3; P-3	6H8; P-3	6H8; P-3
• Diagnose (troubleshoot) incorrect electric lock operation (including remote keyless entry); determine necessary action.	C647		6H2; P-2	6H2; P-2
• Diagnose (troubleshoot) incorrect operation of cruise control systems; determine necessary action.	C333		6H3; P-3	6H3; P-3

Time off _____

Time on _____

Total time _____

Materials Required

- Vehicle/simulator with appropriate fault for each task
- DMM/DVOM
- Test light
- Fused jumper wire/s
- Possible special tools depending on the fault

Some Safety Issues to Consider

- Motor-driven systems contain rotating and moving parts. Be careful to ensure that clothing, your body, and tools are kept clear of moving parts.
- 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.

- 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