

## Accessories Diagnosis and Repair (Network, etc.)

### 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
• Diagnose body electronic system circuits using a scan tool; check for module communication errors (data communication bus systems); determine needed action.	C338	6G5; P-2
• Diagnose operation of security/anti-theft systems and related circuits (such as: theft deterrent, door locks, remote keyless entry, remote start, and starter/fuel disable); determine needed repairs.	C340	6G2; P-2
• Describe the process for software transfers, software updates, or reprogramming of electronic modules.	C649	6G6; P-2

Time off \_\_\_\_\_

Time on \_\_\_\_\_

Total time \_\_\_\_\_

### Materials Required

- Vehicle/simulator with appropriate fault for each task
- Vehicle service information
- 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