

## Rear Suspension Service

### 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
• Inspect, remove, and/or replace shock absorbers; inspect mounts and bushings.	C202	4D1; P-1
• Inspect rear suspension system leaf spring(s), spring insulators (silencers), shackles, brackets, bushings, center pins/bolts, and mounts.	C854	4C12; P-1
• Remove, inspect, service, and/or replace front and rear wheel bearings.	C203	4D2; P-1

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

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

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

### Materials Required

- Vehicle with hydraulic shock absorbers and leaf springs
- Vehicle lifting equipment
- Safety stands
- Manufacturer- and job-specific tools
- Specified wheel-bearing grease
- New cotter pin(s), depending on application

### Some Safety Issues to Consider

- Vehicle hoists are important tools that increase productivity and make the job easier. However, they also can cause severe injury or death if used improperly. Make sure you follow the hoist and vehicle manufacturer's operation procedures. Also make sure you have your supervisor's/ instructor's permission to use a vehicle hoist.
- Shock absorbers may be the primary fastening device for holding the suspension, or axle assembly, in the vehicle. Be sure to support the suspension with the appropriate safety stands.
- Some shock absorbers are pressurized with nitrogen gas. Keep your fingers from being pinched by an expanding shock absorber.
- Some shock absorbers have overload springs attached to them. Be careful not to accidentally release the spring. Serious pinching could occur.
- Some shock absorbers are electronically controlled and can extend or retract without notice. Please familiarize yourself with the manufacturer's safety precautions related to these procedures.
- 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