

Brakes: Wheel Bearing Inspection, Maintenance, and Service

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
• Remove, clean, inspect, repack, and install wheel bearings; replace seals; install hub and adjust bearings.	C810	5F1; P-1	5F2; P-1	5F2; P-1
• Replace wheel bearing and race.	C273	5F5; P-2	5F6; P-2	5F6; P-2
• Remove and reinstall sealed wheel-bearing assembly.	C275		5F8; P-2	5F7; P-2
• Diagnose wheel bearing noises, wheel shimmy, and vibration concerns; determine necessary action.	C267		5F1; P-3	5F1; P-3

Time off _____

Time on _____

Total time _____

Materials Required

- Vehicle or simulator with serviceable and sealed wheel bearings
- Inch-pound torque wrench
- Ft-lb or Nm torque wrench
- Hammer and brass (or soft) punch
- Specified bearing grease
- Bearing packer (optional)
- New cotter pin/s (if needed)
- Stethoscope

Some Safety Issues to Consider

- Lifting equipment such as vehicle jacks and stands, vehicle hoists, and engine hoists are important tools that increase productivity and make the job easier. However, they can also cause severe injury or death if used improperly. Make sure you follow the manufacturer's operation procedures. Also make sure you have your supervisor's/instructor's permission to use any particular type of lifting equipment.
- **Caution:** Brake dust may contain asbestos, which has been determined to cause cancer when inhaled or ingested. Treat all brake dust as if it contains asbestos and use OSHA-approved asbestos removal equipment. Do not allow brake dust to become airborne by using anything that would disturb the dust. Also, wear protective gloves during this procedure and dispose of or clean them in an approved manner.

- This procedure may require the removal of one or more cotter pin(s). Always replace the removed ones with new ones. Failure to do so could cause a component to come unfastened and cause serious injury or death.
- 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