

## Rotor Inspection and 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
• Clean and inspect rotor and mounting surface; measure rotor thickness, thickness variation, and lateral runout; determine needed action.	C628	5D6; P-1
• Remove and reinstall/replace rotor.	C806	5D7; P-1
• Refinish rotor off vehicle; measure final rotor thickness and compare with specification.	C630	5D9; P-1
• Refinish rotor on vehicle; measure final rotor thickness and compare with specification.	C629	5D8; P-1
• Inspect and replace wheel studs.	C274	5F8; P-1

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

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

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

### Materials Required

- Vehicle or simulator with disc brake concern
- Vehicle lifting equipment
- Asbestos removal equipment
- Torque wrench/es
- Micrometer
- Dial indicator
- Off-car brake lathe
- On-car brake lathe
- Hydraulic press or hammer and flat washers

### Some Safety Issues to Consider

- Vehicle 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 hoist's and vehicle manufacturers' operation procedures. Also make sure you have your supervisor's/ instructor's permission to use a vehicle hoist.
- **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.

- **Caution:** Most types of brake fluid are harmful to painted surfaces. Be sure to prevent brake fluid from coming into contact with a vehicle's paint. Use fender covers to minimize this risk and be sure to wipe up any spilled brake fluid immediately with a wet rag.
- Only students who have their supervisor's/instructor's direct permission should perform this task due to the safety concerns involved.
- Brake lathes are very powerful. Follow all manufacturer instructions when setting up and operating a brake lathe.
- On-car brake lathes typically spin both rotors/wheels on an axle. Make sure the opposite rotor/wheel is free to spin and people stay away from it while refinishing the other rotor.
- Diagnosis of this fault, or verification after repair, may require test-driving the vehicle on the school grounds. Attempt this task only with full permission from your supervisor/instructor and follow all the guidelines exactly.
- 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