

On-the-Vehicle Lathe

Meets NATEF Task: (A5-D-7) Refinish rotor on the vehicle; measure final rotor thickness.
(P-1)

Name _____ Date _____ Time on Task _____

Make/Model/Year _____ VIN _____ Evaluation: 4 3 2 1

- _____ 1. Hoist the vehicle safely to the proper height according to the lathe manufacturer's instructions and remove the front wheels.
- _____ 2. Mount the on-the-vehicle lathe according to the lathe manufacturer's instructions and calibrate the lathe as necessary.

NOTE: On caliper mounted on-the-vehicle lathe, the disc brake caliper must be removed and supported with a wire to help prevent damage to the hydraulic flexible brake line.

- _____ 3. Machine the rotor following the lathe manufacturer's instructions.



- _____ 4. Use 150 grit aluminum oxide sandpaper on a block or a grinding disc to provide the required smooth non-directional finish.
- _____ 5. Thoroughly clean both disc brake rotors before installing the replacement disc brake pads and reinstalling the disc brake caliper.

NOTE: Be sure to install all anti-noise shims and hardware.

- _____ 6. Reinstall the front wheels and tighten the lug nuts to factory specifications in a star pattern (tighten one, skip one, etc.) using a torque wrench on a torque-limiting adjuster with an air impact wrench.
- _____ 7. Lower the vehicle and depress the brake pedal several times to achieve proper brake pedal height.
- _____ 8. Test drive the vehicle before returning the vehicle to the customer.