

# Wheel Cylinder Inspection and Replacement

Meets NATEF Task: (A5-C-5) Inspect and install wheel cylinders. (P-2)

Name \_\_\_\_\_ Date \_\_\_\_\_ Time on Task \_\_\_\_\_

Make/Model/Year \_\_\_\_\_ VIN \_\_\_\_\_ Evaluation: 4 3 2 1

\_\_\_\_\_ 1. Check the service information for the specified procedure for wheel cylinder replacement for the vehicle being serviced. \_\_\_\_\_

\_\_\_\_\_ 2. Hoist the vehicle safely and remove the rear wheels and brake drums.

\_\_\_\_\_ 3. Use a dull tool and lift the edge of the dust boots on the wheel cylinder.

- \_\_\_\_\_ Brake fluid dripped out (requires overhaul or replacement)
- \_\_\_\_\_ Dust boot is wet (normal, further inspection may be needed)
- \_\_\_\_\_ Dust boot is dry (normal, further inspection may be needed)

\_\_\_\_\_ 4. Remove the brake shoes to allow access to the wheel cylinders.

**HINT:** Some service technicians apply the parking brake to force the brake shoe away from the wheel cylinder providing the clearance necessary to remove or replace the wheel cylinder without having to remove the brake shoe.

\_\_\_\_\_ 5. Remove the wheel cylinder from the backing plate and disassemble.

\_\_\_\_\_ 6. Clean the wheel cylinder with denatured alcohol or brake cleaner.

\_\_\_\_\_ 7. Clean and inspect the bore of the wheel cylinder.

- \_\_\_\_\_ Slightly pitted (can usually be restored to useful service by using crocus cloth and brake fluid)

**NOTE:** Many vehicle manufacturers do not recommend using a cylinder hone because it would remove the special bearingized surface finish that is manufactured onto the inside surface of the wheel cylinder.

- \_\_\_\_\_ Heavily pitted (most manufacturers recommend replacement only).

\_\_\_\_\_ 8. After cleaning and inspection, do you overhaul or replace?

- \_\_\_\_\_ Overhaul using new seals and boots
- \_\_\_\_\_ Replacement with new wheel cylinders

\_\_\_\_\_ 9. Reinstall the wheel cylinders, brake linings, drums, and bleed the system.

\_\_\_\_\_ 10. Lower the vehicle and test the brakes for proper operation.

