

OVERHAUL (Continued)

6. Wash all parts in clean, denatured alcohol.
7. Inspect pistons for scratches, scoring, or other visible damage. Replace if necessary. Always replace rubber cups and dust boots.
8. Inspect cylinder bore for score marks or rust. If either condition is present, cylinder bore must be honed. However cylinder should not be honed more than 0.08mm (0.003 inch) beyond its original diameter.
9. Wash cylinder with clean, denatured alcohol after honing. Dry it with compressed air.
10. Make sure that bleeder hole is open.

Assembly

Use all parts in the wheel cylinder service kit.

1. Apply light coating of heavy-duty brake fluid to all internal parts.
2. Thread bleeder screw into cylinder.
3. Insert return spring and cup expander assembly, and pistons into their respective positions in cylinder bore. Place a boot over each end of cylinder.
4. Install brake shoe assemblies as outlined.
5. Install drum assembly and wheel assembly.
6. Bleed brake system. Refer to Section 06-00.

NOTE: Ensure that brake line is installed in lower wheel cylinder hole and bleed screw in upper hole. Always bleed brakes before driving vehicle.

ADJUSTMENTS

Brake Shoes**Tools Required:**

- Brake Adjustment Gauge D81L-1103-A

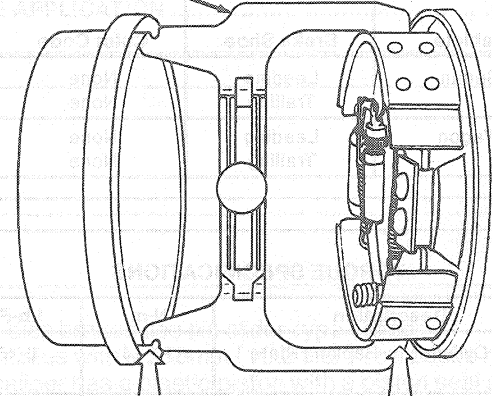
After any brake service work, obtain a firm brake pedal before moving the vehicle. Adjusted brakes must not drag; wheel must turn freely.

The hydraulic rear drum brakes are self-adjusting and require a manual adjustment only after the brake shoes have been relined, replaced or when the length of the adjusting screw has been changed while performing some other service operation. The manual adjustment is performed with the drum removed, using the tool and the procedure detailed below.

When adjusting the rear brake shoes, check the parking brake cables for proper adjustment. Make sure that the equalizer operates freely with the shoes centered on the backing plate.

1. Apply a small quantity of Disc Brake Caliper Slide Grease D7AZ-19590-A (ESA-M1C172-A) or equivalent to points where the shoes contact the backing plate, taking care not to get lubricant on linings.
2. Determine inside diameter of the drum braking surface using a Brake Adjustment Gauge D81L-1103-A or equivalent.

**BRAKE ADJUSTMENT GAUGE
D81L-1103-A**



SET TO DRUM DIAMETER HERE
225mm (8.8 INCH) AND 250mm
(9.8 INCH) REAR BRAKE

**FIND CORRECT
SHOE DIAMETER
HERE**

H7379-C

3. Adjust the brake shoe diameter to fit the gauge. Line the brake shoes up vertically so that the flats on the bottom of the brake shoes are aligned approximately 1.5mm (0.05 inch) above the bottom of the brake shoe abutment plate before setting the gauge diameter. Hold automatic adjusting lever out of engagement while rotating adjusting screw. If necessary lubricate. Make sure adjusting screw rotates freely.
4. Rotate brake shoe gauge around brake shoes to ensure proper setting.
5. Install drum as outlined. Install tire and wheel assembly. Refer to Section 04-04.
6. Install the wheelcover / ornament and nut covers as required.
7. Complete adjustment by applying brakes several times. Brakes should be applied with a minimum of 111N (25 lb) force.
8. After brake shoes have been properly adjusted, check operation of brakes by making several stops from varying forward speeds.