

# Brake Systems

## CHRYSLER CORP. SINGLE ANCHOR

Dodge  
Plymouth

### DESCRIPTION

Chrysler Corp. vehicles use both their own and a Bendix type single anchor brake assembly. All 10" brakes are Chrysler type and all 12" and 13" brakes are Bendix type. Both types of brake assemblies consist of a support plate, two brake shoes, return springs, wheel cylinder and a cable type adjuster assembly. The automatic adjuster assembly consists of a cable (with hook and anchor fitting), cable guide, adjuster lever, adjusting screw, pivot, socket and spring.

### ADJUSTMENT & SERVICING

#### BRAKE SHOE ADJUSTMENT

With wheels raised off floor and parking brake lever fully released, remove adjusting hole cover. Using a suitable tool (C-3784), expand brake shoes until slight drag is felt when wheel is rotated. While holding automatic adjusting lever out of contact with adjusting screw, back off adjusting screw 10 or 12 notches. Check for free wheel rotation with no brake shoe drag. Repeat adjustment for remaining wheels. Replace adjusting hole cover and adjust parking brake.

**NOTE** — Adjustment must be equal at all wheels.

#### BLEEDING SYSTEM

See *Hydraulic Brake Bleeding in this Section.*

#### PARKING BRAKE ADJUSTMENT

**All Models (Exc. "B", "CB", "MB" & "PB")** — With service brakes fully adjusted and parking brake fully released, tighten cable adjusting nut until a slight drag is felt while rotating rear wheels. Loosen cable adjusting nut until both rear wheels can be rotated freely, then back off adjusting nut an additional 2 turns. Apply and release parking brake several times, checking for free rotation at rear wheels.

**"B", "CB", "MB", & "PB" Models** — Raise vehicle high enough to gain access to equalizer and cable adjuster. Make sure parking brake cable adjuster is fully released. Loosen adjuster so there is slack in both cables. Make sure rear brakes are correctly adjusted. Tighten cable adjusting nut at the adjuster until a slight drag is felt while rotating the wheel. Loosen the adjusting nut until both wheels can be rotated freely. Apply and release parking brake, checking for free wheel rotation.

### REMOVAL & INSTALLATION

#### BRAKE SHOES

**Removal — Chrysler Brake Assembly (10")** — With drum removed, remove brake shoe return springs, noting that secondary spring overlaps primary spring. Slide automatic adjuster

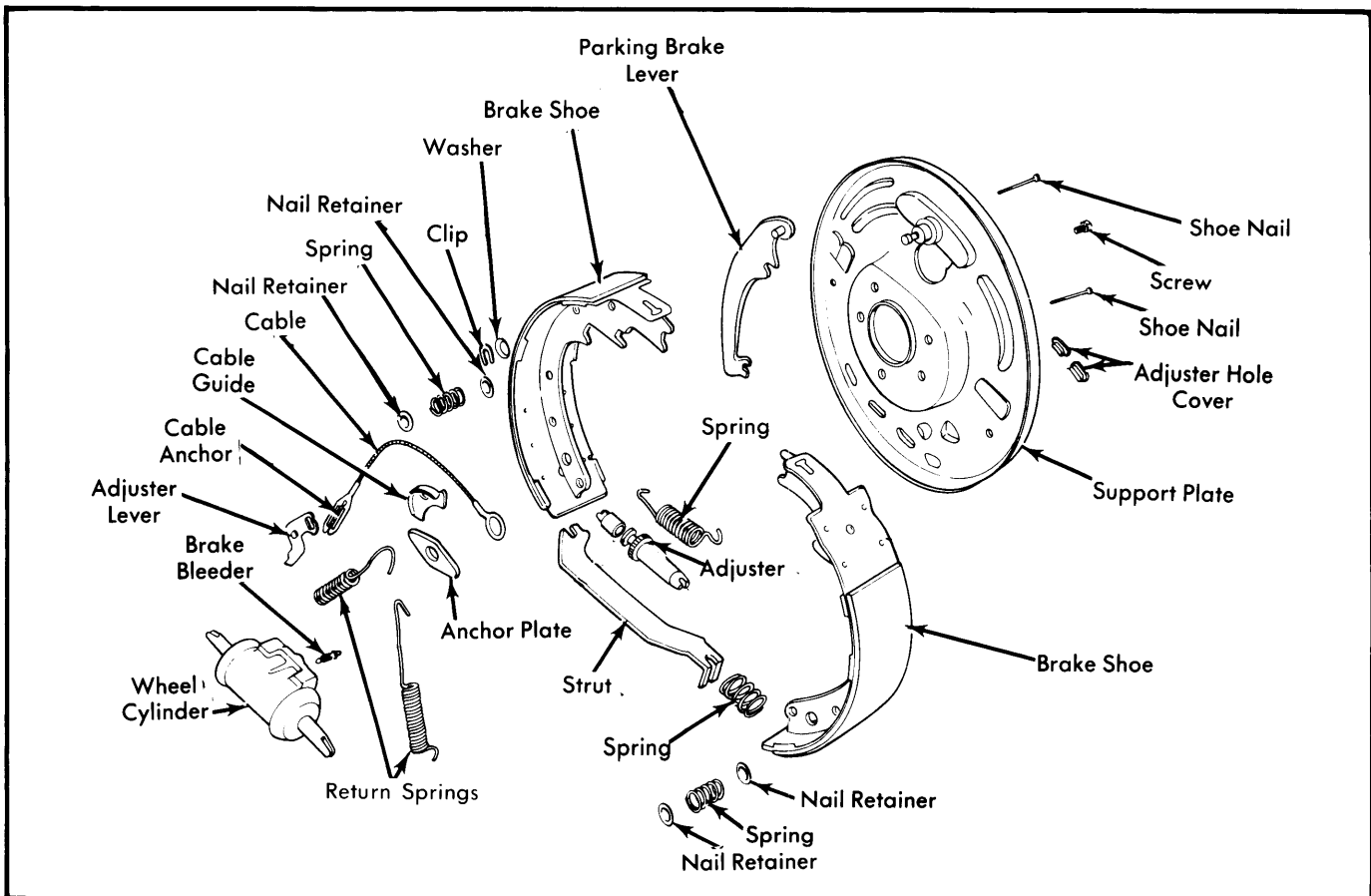


Fig. 1 Exploded View of Chrysler Type Brake Assembly

## CHRYSLER CORP. SINGLE ANCHOR (Cont.)

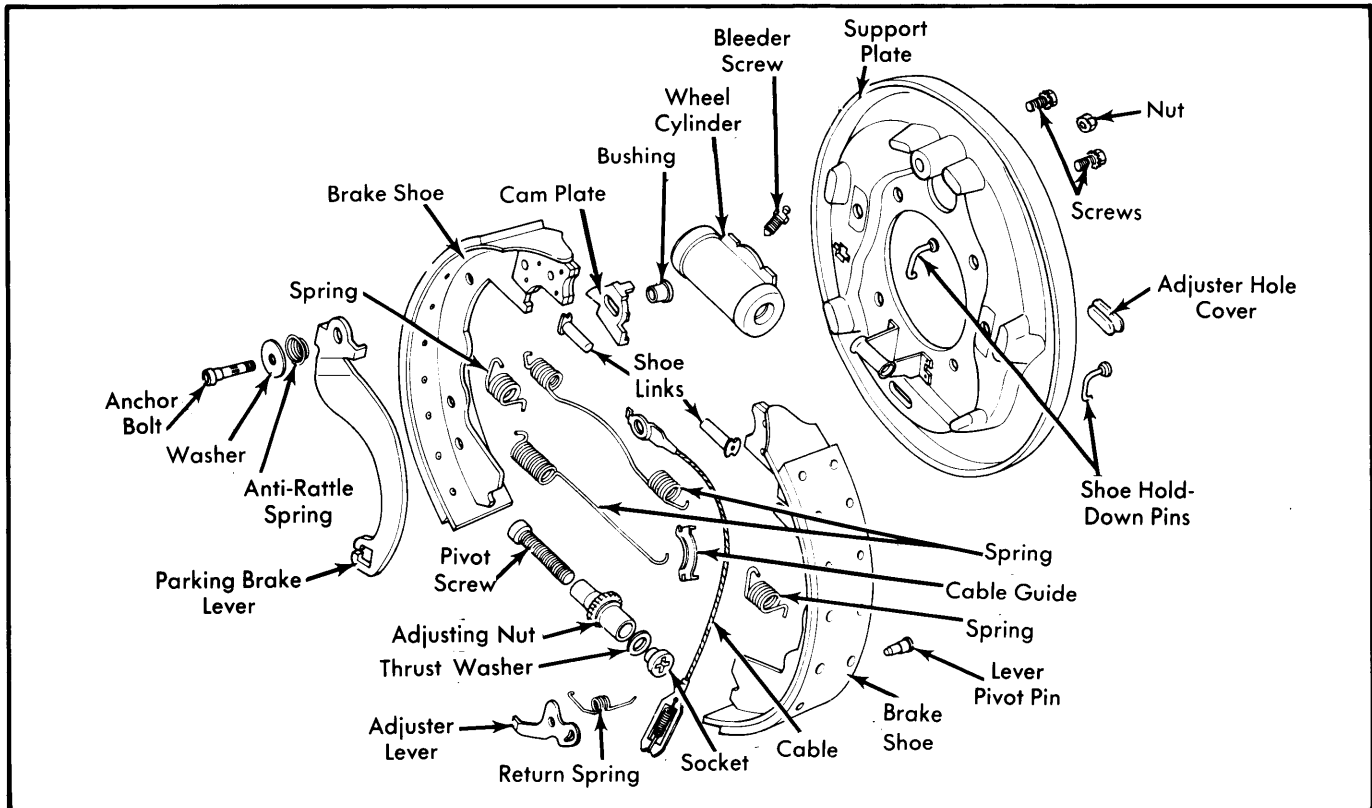


Fig. 2 Exploded View of Bendix Type Brake Assembly

cable eye off anchor and then disconnect cable from adjusting lever. Remove cable, overload spring, cable guide and anchor plate. Disconnect adjuster lever from spring and remove lever. Remove automatic adjuster spring from brake shoes. Remove brake shoe retainers, springs and nails. Spread shoes apart and remove parking brake strut and spring. Disconnect parking brake cable from lever and remove brake shoes.

**Installation** — To install brake shoes and components, reverse removal procedure.

**Removal — Bendix Brake Assembly (12" & 13")** — With drum removed, disconnect adjusting lever return spring from lever and remove lever and spring from pivot pin. Disconnect lever from cable. Remove upper spring connecting both shoes. Disconnect and remove shoe hold-down springs. Disconnect parking brake cable from parking brake lever. Remove spring connecting both shoes. Remove both shoes with star wheel adjuster.

**Installation** — To install brake shoes and components, reverse removal procedure.

### WHEEL CYLINDERS

**Removal & Installation** — 1) Remove wheel, drum and brake shoes. Remove cylinder connecting links and disconnect hydraulic brake line from cylinder.

**CAUTION** — On vehicles equipped with vacuum boosters, be sure engine is off and there is no vacuum in system before disconnecting hydraulic lines.

2) Remove brake cylinder retaining bolts and remove cylinder from backing plate. To install, reverse removal procedure.

## OVERHAUL

### WHEEL CYLINDERS

**Disassembly** — With wheel cylinder removed from vehicle, remove rubber boots from ends of cylinders. Remove piston return spring, cylinder cups and pistons from cylinder. Remove bleeder screw and inspect cylinder bore for damage.

**Reassembly** — If bore of cylinder is pitted or scratched, hone or replace as necessary. Soak all parts in suitable brake fluid or assembly lubricant and reverse disassembly procedure. Clamp brake cylinder pistons against ends of cylinder.

## TIGHTENING SPECIFICATIONS

Application	Ft. Lbs.
Brake Hose-to-Wheel Cylinder	
"B", "CB", "MB", & "PB" .....	7-12
"AD", "AW", "D", "PD", "PW", & "W" .....	25
Wheel Cylinder Mounting Bolt .....	11-19
Hydraulic Brake Tube Nuts	
$\frac{3}{8}$ " & $\frac{7}{16}$ " .....	7-12.5
$\frac{1}{2}$ " & $\frac{9}{16}$ " .....	10-14.5

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## CHRYSLER CORP. SINGLE ANCHOR (Cont.)

BRAKE SYSTEM SPECIFICATIONS				
Application	Drum Diam.	Drum Width	Wheel Cylinder Diameter	Master Cylinder Diameter
AD, AW, PD, PW, D, W150	10.0"	2.5"	.938"	1.125"
D & W250	12.0"	2.5"	1.00"	1.125"
D250/450 & W350/450	12.0"	3.0"	.....	1.125"
B150/250	10.0"	2.5"	.938"	1.125"
B350	12.0"	2.5"①	1.00"①	1.125"
CB, MB & PB Models	.....	.....	.....	.....

① - With 3,600 lb. front axle. With 4000 lb. front axle, 3.0" drum width, 1.06" wheel cylinder.