

CHRYSLER CORP. SINGLE ANCHOR

Dodge, Plymouth

DESCRIPTION

Chrysler Corp. vehicles use both Chrysler and Bendix single anchor brake assemblies. All 10" brakes are Chrysler type. All 12" brakes are Bendix type.

Both types of brake assemblies consist of a support plate, 2 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

1) With wheels raised off floor and parking brake lever fully released, remove adjusting hole cover. Use brake adjuster tool (C-3784) to expand brake shoes until slight drag is felt when wheel is rotated.

2) 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. Adjustment must be equal at all wheels. Replace adjusting hole cover and adjust parking brake.

BLEEDING SYSTEM

See *Hydraulic Brake Bleeding* in this section.

PARKING BRAKE ADJUSTMENT

All Except Ramcharger

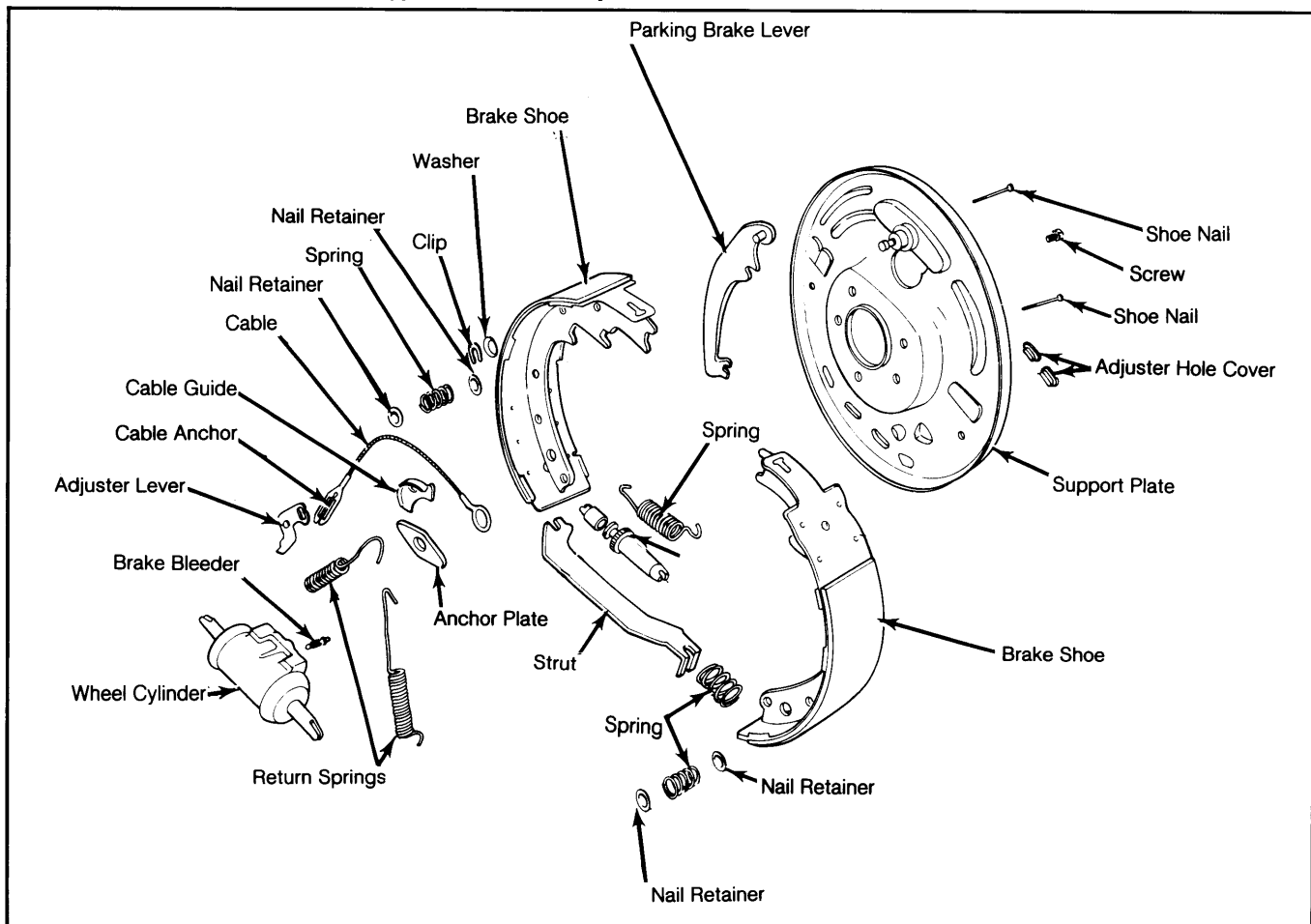
1) Raise vehicle high enough to gain access to equalizer and cable adjuster. Make sure parking brake cable adjuster is fully released. Loosen adjuster so there is slack in both cables. Make sure rear brakes are correctly adjusted.

2) 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.

Ramcharger

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.

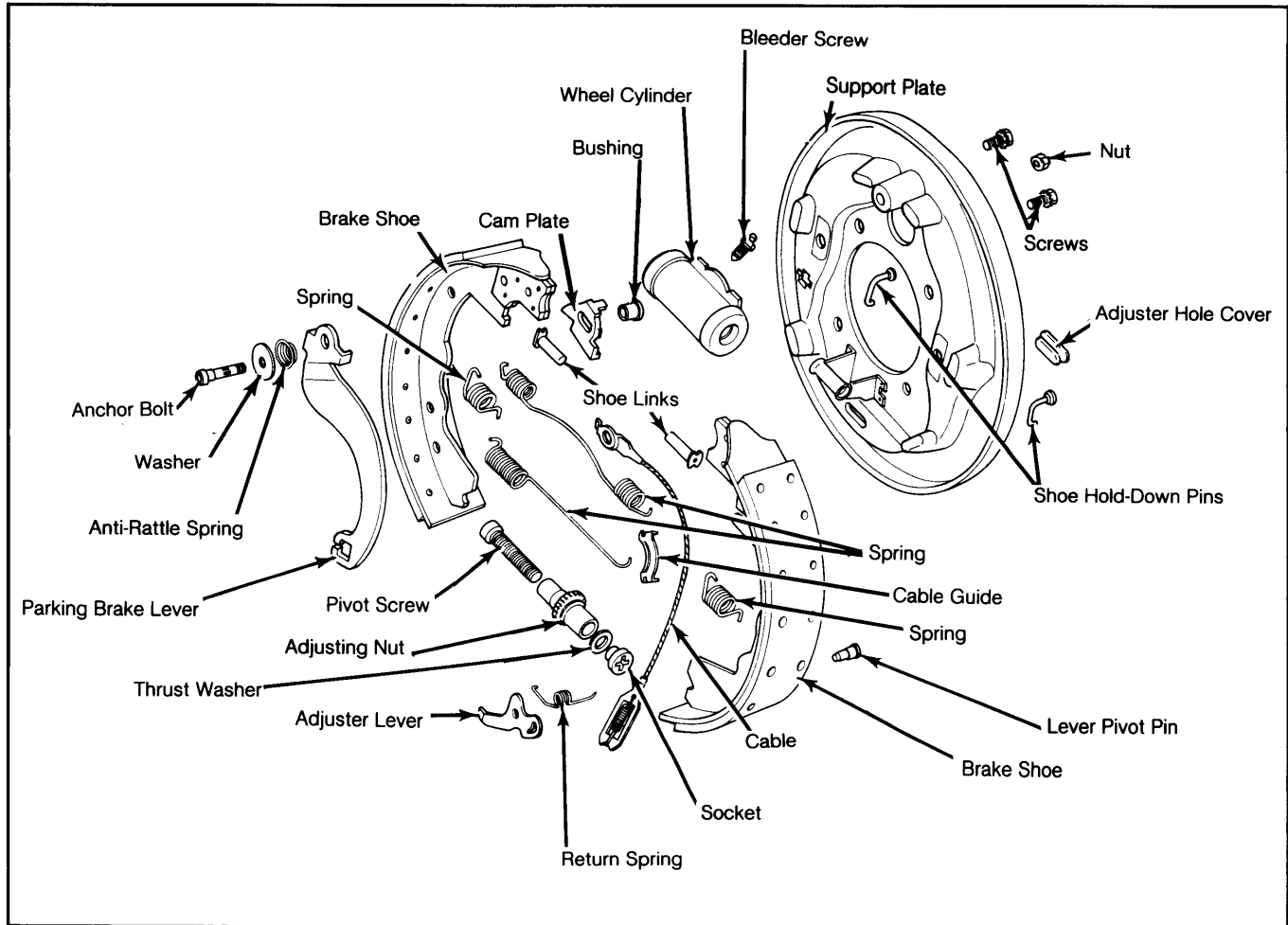
Fig. 1: Exploded View of Chrysler Type Brake Assembly



Brake Systems

CHRYSLER CORP. SINGLE ANCHOR (Cont.)

Fig. 2: Exploded View of Bendix Type Brake Assembly



REMOVAL & INSTALLATION

BRAKE SHOES

Chrysler 10" Brake Assembly

1) With drum removed, remove brake shoe return springs, noting that secondary spring overlaps primary spring. Slide automatic adjuster cable eye off anchor. Disconnect cable from adjusting lever. Remove cable, overload spring, cable guide and anchor plate.

2) 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.

3) Reverse removal procedures to install brake shoes.

Bendix 12" Brake Assembly

1) With drum removed, disconnect adjusting lever return spring from lever. Remove lever and spring from pivot pin. Disconnect lever from cable. Remove upper spring connecting both shoes. Disconnect and remove shoe hold-down springs.

2) Disconnect parking brake cable from parking brake lever. Remove spring connecting both shoes.

Remove shoes and star wheel adjuster. Reverse removal procedures to install.

WHEEL CYLINDERS

1) Remove wheel, drum and brake shoes. Remove cylinder connecting links and disconnect hydraulic brake line from cylinder.

NOTE: On vehicles equipped with vacuum boosters, be sure 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.

Brake Systems

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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. (N.m)
Brake Hose-to-Wheel Cylinder	25 (34)
Wheel Cylinder Mounting Bolt	11-19 (15-26)
Hydraulic Brake Tube Nuts	
$\frac{3}{8}$ " & $\frac{7}{16}$ "	85-150 INCH Lbs. (9.6-17.0)
$\frac{1}{2}$ " & $\frac{9}{16}$ "	120-175 INCH Lbs. (13.6-19.8)

DRUM BRAKE SPECIFICATIONS

Application	Drum Diam. In. (mm)	Drum Width In. (mm)	Max. Drum Refinish Diam. In. (mm)	Brake Cyl. Diam. In. (mm)	Master Cyl. Diam. In. (mm)
AD, AW, B150/250, D150, W150	10.00 (254.0)	2.50 (63.5)	10.06 (255.5)	.94 (23.8)	1.13 (28.6)
B350, D250/350, W250/350	12.00 (304.8)	¹ 3.00 (76.2)	12.06 (306.3)	² 1.00 (25.4)	1.13 (28.6)

¹ — D250 w/Spicer 60 rear axle and W250: width is 2.50" (63.5 mm).

² — D250 w/Spicer 60, H.D. rear axle, D350 and W350: wheel cylinder specifications not available.
B350 w/4000 lb. front axle: wheel cylinder diameter is 1.06" (26.9 mm).