CHRYSLER CORP. SINGLE ANCHOR

Dodge (1965-74)
Plymouth (1974)

DESCRIPTION

Single anchor, duo-servo and uni-servo, type brake assemblies consist of a support plate, two brake shoes, return springs, a wheel cylinder, and an adjustment screw. Some vehicles are also equipped with automatic adjusters. Automatic adjusters consist of a cable (with hook and anchor fitting), cable guide, adjusting lever, adjusting screw, pivot nut, socket and spring.

ADJUSTMENT & SERVICING

BRAKE SHOE ADJUSTMENT

Minor Adjustment (Manual Type Adjuster) – With wheels raised off floor, remove adjusting hole cover. Using suitable adjusting tool, expand brake shoes until wheel can just be turned by hand. Back off adjusting screw seven to nine notches. After adjusting all brakes, check that wheels turn freely, replace adjusting hole covers and check master cylinder.

Major Adjustment (Manual Type Adjuster) – With wheels raised off floor, remove wheel and adjusting hole cover. Turn brake drum until feeler gauge hole in drum is 1 ½" from adjusting screw end of secondary shoe. Insert .015" feeler gauge through feeler gauge hole and adjust shoes until they are tight against drum. Back off adjuster screw until slight drag is felt on feeler gauge.

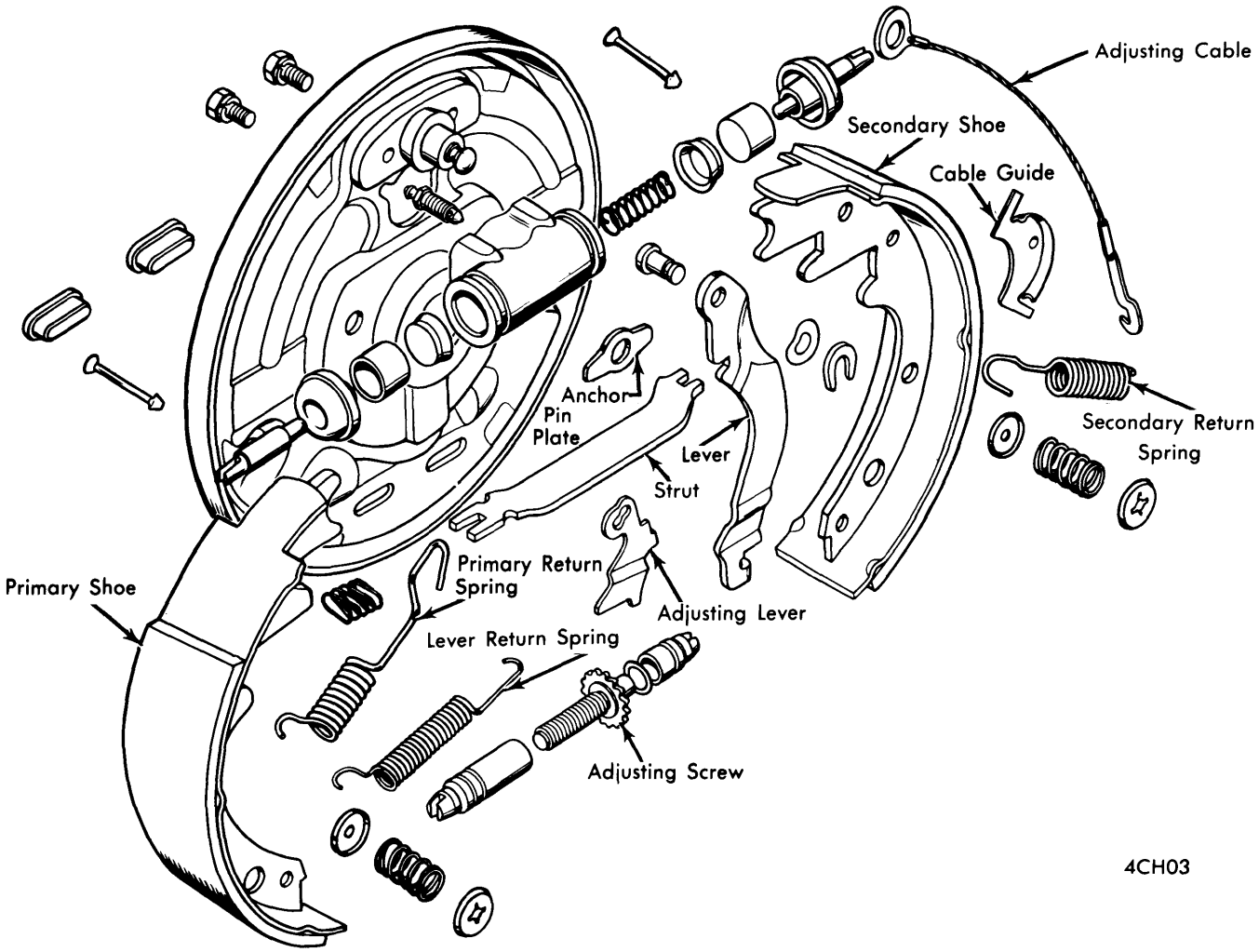
Automatic Type Adjuster – With wheels raised off floor and parking brake lever fully released, remove adjusting hole cover. Using suitable tool (C-3784), expand brake shoes until slight drag is felt when wheel is rotated. While holding automatic adjusting lever out of contact with adjusting screw, back off adjusting screw 10 to 12 notches. Check for free wheel rotation with no brake shoe drag. Repeat adjustment at each remaining wheel. *NOTE – Adjustment must be equal at all wheels.* Replace adjusting hole covers and adjust parking brake.

BLEEDING SYSTEM

See Hydraulic Brake Bleeding in this Section.

PARKING BRAKE ADJUSTMENT

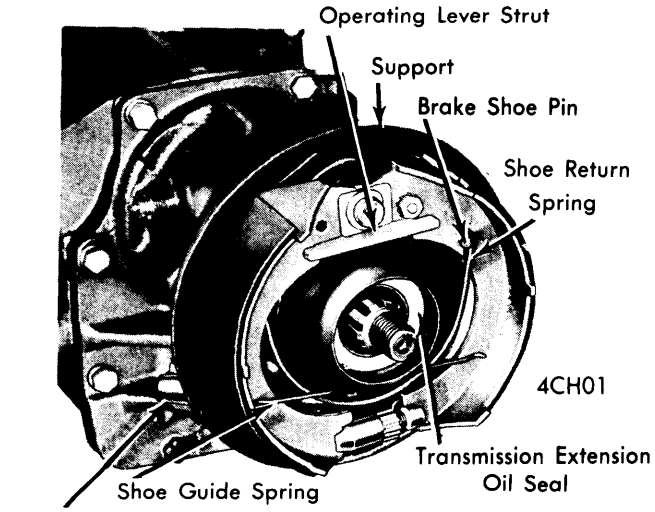
Rear Wheel Internal Expanding Type – With service brakes properly adjusted and parking brake lever fully releas-



AUTOMATIC ADJUSTER BRAKE ASSEMBLY

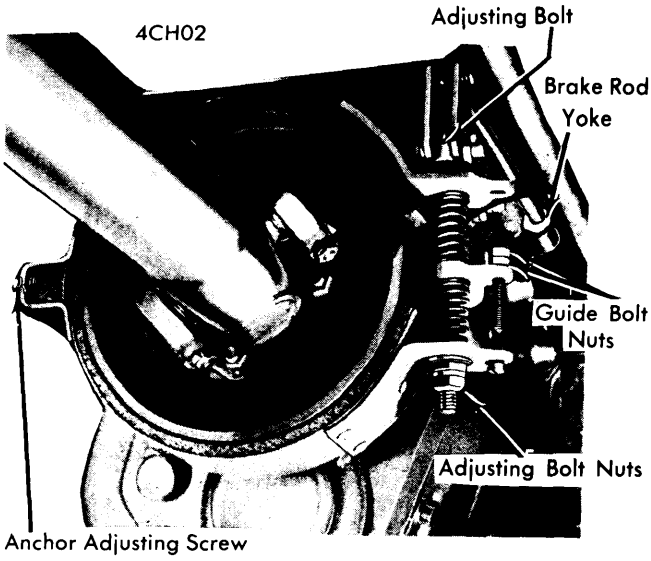
CHRYSLER CORP. SINGLE ANCHOR (Cont.)

ed, loosen cable adjusting nut until main cable is slack. Tighten cable adjusting nut until a SLIGHT drag is felt while rotating rear wheel. Loosen cable adjusting nut until both rear wheels can just be rotated freely. Back off adjusting nut additional two turns. Apply and release parking brake several times and check for free rotation of rear wheels.



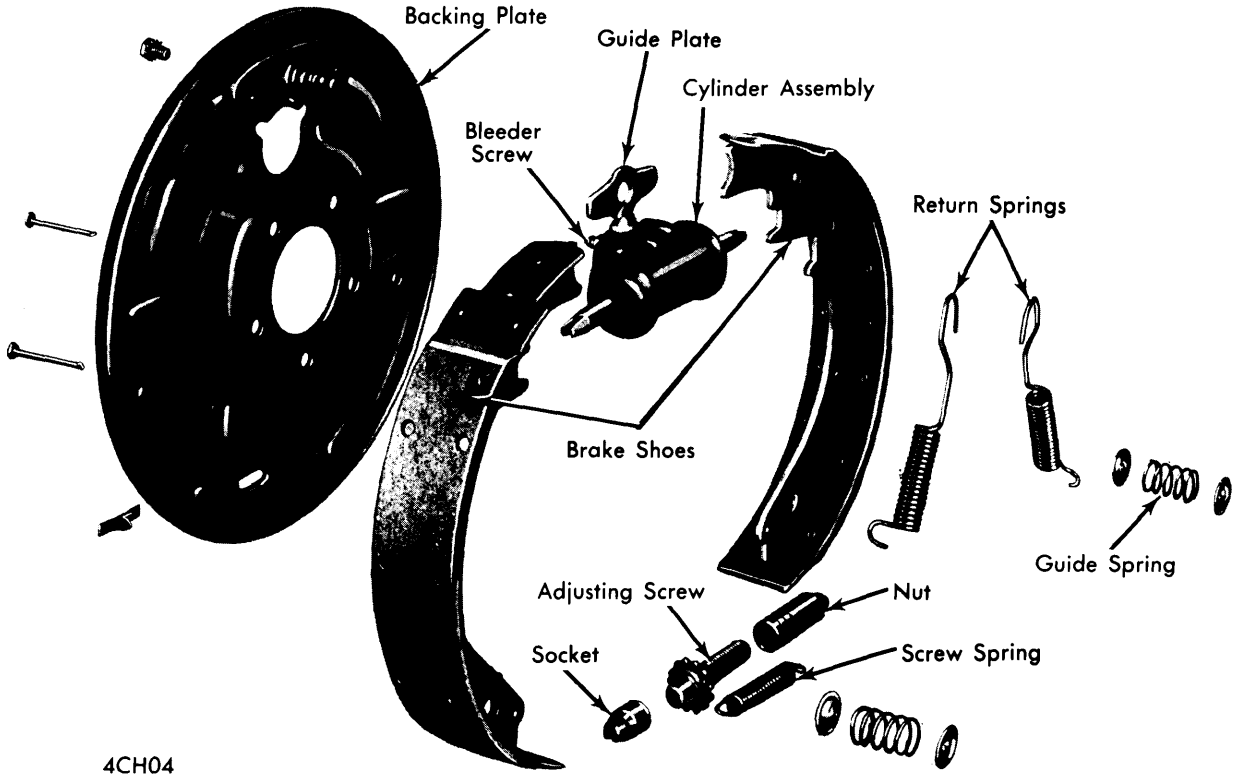
INTERNAL EXPANDING PARKING BRAKE

Transmission Mounted Internal Expanding Type – Disconnect propeller shaft at transmission and remove adjusting screw cover plate. Loosen cable clamp bolt and cable adjusting nut. Expand brake shoes until slight drag is felt while turning drum, then back off adjusting nut at least one full turn. Position cable length adjusting nut so that there is .005-.010" clearance between operating lever and brake shoe cable. Tighten cable housing clamp. Tighten cable adjusting nut against housing, install adjusting screw cover plate and connect propeller shaft.



EXTERNAL CONTRACTING PARKING BRAKE

Transmission Mounted Contracting Band Type – With parking brake lever fully released, adjust anchor adjusting screw to provide .015-.020" clearance between lining and drum. Install lock wire. Adjust guide bolt and adjusting bolt nut until there is a slight drag on drum and clearance between lower half of band and drum equals that between upper half and drum. To adjust main cable, loosen lock nut, remove clevis pin and turn yoke until slack is removed.



MANUAL ADJUSTER BRAKE ASSEMBLY

CHRYSLER CORP. SINGLE ANCHOR (Cont.)

REMOVAL & INSTALLATION

BRAKE SHOES

Removal & Installation (Manual Adjuster Type) – Remove wheel and drum and install wheel cylinder clamp to prevent pistons from being forced out of ends. Remove brake shoe return springs, anchor pin plate, guide pins and springs. Lift brake shoes and adjusting screw from backing plate as an assembly. Remove adjusting screw and spring, and separate shoes. To install, lubricate threads of adjusting screw and contact points on backing plate, and reverse removal procedure.

Removal & Installation (Automatic Adjuster Type) – Remove wheel and drum. Remove brake shoe return springs, noting overlap of secondary and primary springs. Disconnect automatic adjuster cable from anchor and remove from adjusting lever. Remove overload spring, cable guide and anchor plate. Remove adjusting lever and spring, shoe hold-down pins, and disengage shoes from cylinder push rods. Remove brake shoes and adjusting screw as an assembly. Remove adjusting screw and spring, and separate shoes. To install, lubricate threads of adjusting screw and contact points on backing plate, and reverse removal procedure.

WHEEL CYLINDER

Removal & Installation – Remove wheel, drum, and brake shoes. Remove cylinder connecting links and disconnect hydraulic brake line from cylinder. *CAUTION – On vehicle equipped with vacuum booster, be sure engine is off and there is no vacuum in system before disconnecting hydraulic lines.* Remove brake cylinder retaining bolts and remove cylinder from backing plate. To install, reverse removal procedure.

OVERHAUL

WHEEL CYLINDERS

Diassembly – 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.
Hydraulic Brake Hose	25
Wheel Cylinder Mounting Bolt	15
Brake Support Mounting Bolt	35
Application	**Inch Lbs.**
Hydraulic Brake Tubing	95
Bleeder Screw	95

1965 BRAKE SYSTEM SPECIFICATIONS

Application	Drum Diam.	Wheel Cylinder Diameter		Master Cylinder Diameter
		Front	Rear	
D100	11"	1 1/8"	15/16"	1"
W100	12 1/8"	1 1/8"	1 1/8"	1 1/8"
D, P, W200	12 1/8"	1 1/8"	1 1/8"	1 1/8"
D, P300	①12 1/8"	1 1/8"	1 1/4"	1 1/4"
W300	①	.....	1"	1 1/4"

① – Rear drum diameter is 13".

1966 BRAKE SYSTEM SPECIFICATIONS

Application	Drum Diam.	Wheel Cylinder Diameter		Master Cylinder Diameter
		Front	Rear	
D100	11"	1 1/8"	15/16"	1"
W100	12 1/8"	1 1/8"	1 1/8"	1 1/8"
D, P, W200	12 1/8"	1 1/8"	1 1/8"	1 1/8"
D, P300	①12 1/8"	1 1/8"	1 1/4"	1 1/4"
W300	①	.....	1"	1 1/4"
A100	②10"	1 1/8"	13/16"	1"

① – Rear drum diameter is 13".
② – 5200 lb. chassis uses 11" front drum.

CHRYSLER CORP. SINGLE ANCHOR (Cont.)

1967 BRAKE SYSTEM SPECIFICATIONS

Application	Drum Diam.	Wheel Cylinder Diameter		Master Cylinder Diameter
		Front	Rear	
D100	11"	1 1/8"	15/16"	1"
W100	12 1/8"	1 1/8"	1 1/8"	1 1/8"
D, P, W200	12 1/8"	1 1/8"	1 1/8"	1 1/8"
D, P300	①12 1/8"	1 1/8"	1 1/4"	1 1/8"
W300	①	.....	1"	1 1/8"
A100	②10"	1 1/8"	13/16"	1"

① — Rear drum diameter is 13".
② — 5200 lb. and 5400 lb. chassis use 11" front drum.

1968 BRAKE SYSTEM SPECIFICATIONS

Application	Drum Diam.	Wheel Cylinder Diameter		Master Cylinder Diameter
		Front	Rear	
D100	11"	1 1/8"	15/16"	1"
W100	12 1/8"	1 1/8"	1 1/8"	1 1/8"
D, P, W200	12 1/8"	1 1/8"	1 1/8"	1 1/8"
D, P300	①12 1/8"	1 1/8"	1 1/4"	1 1/8"
W300	①	.....	1"	1 1/8"
A100	②10"	1 1/8"	13/16"	1"

① — Rear drum diameter is 13".
② — 4800 lb., 5200 lb., and 5400 lb. chassis use 11" front drum.

1969 BRAKE SYSTEM SPECIFICATIONS

Application	Drum Diam.	Wheel Cylinder Diameter		Master Cylinder Diameter
		Front	Rear	
D100	11"	1 1/8"	15/16"	1"
W100	12 1/8"	1 1/8"	1 1/8"	1 1/8"
D, P, W200	12 1/8"	1 1/8"	1 1/8"	1 1/8"
D, P300	①12 1/8"	1 1/8"	1 1/4"	1 1/8"
W300	①	.....	1"	1 1/8"
A100	②10"	1 1/8"	13/16"	1"
M300	①12 1/8"	1 1/8"	1 1/4"	1 1/4"

① — Rear drum diameter is 13".
② — 4800 lb., 5200 lb., and 5400 lb. chassis use 11" front drum.

CHRYSLER CORP. SINGLE ANCHOR (Cont.)

1970 BRAKE SYSTEM SPECIFICATIONS

Application	Drum Diam.	Wheel Cylinder Diameter		Master Cylinder Diameter
		Front	Rear	
D100	11"	1 1/8"	15/16"	1"
W100	12 1/8"	1 1/8"	1 1/8"	1 1/8"
D, P, W200	12 1/8"	1 1/8"	1 1/8"	1 1/8"
D, P300	①12 1/8"	1 1/8"	1 1/4"	1 1/8"
W300	①	.....	1"	1 1/8"
M300	①12 1/8"	1 1/8"	1 1/4"	1 1/4"
M375	②14"	1 1/16"	.....	1 1/8"
B100	10"	1 3/16"	7/8"	1 1/32"
B200	11"	1 3/16"	15/16"	1 1/32"
B, MB300	12"	1 1/8"	7/8"	1 1/8"

① — Rear drum diameter is 13".
② — Front drum diameter only.

1971 BRAKE SYSTEM SPECIFICATIONS

Application	Drum Diam.	Wheel Cylinder Diameter		Master Cylinder Diameter
		Front	Rear	
D100	11"	1 1/8"	15/16"	1"
W100	12 1/8"	1 1/8"	1 1/8"	1 1/8"
D, P, W200	12 1/8"	1 1/8"	1 1/8"	1 1/8"
D, P300	①12 1/8	1 1/8"	1 1/4"	1 1/8"
W300	①	.....	1"	1 1/8"
M300	12"	1 1/8"	1 1/16"	1 1/8"
M375	②14"	1 1/16"	.....	1 1/8"
B100	③10"	.....	7/8"	1 1/32"
B200	③11"	.....	15/16"	1 1/32"
B, MB300④	12"	.....	7/8"	1 1/8"
CB, MB300⑤	12"	.....	1"	1 1/8"

① — Rear drum diameter is 13".
② — Front drum diameter only.
③ — Rear drum diameter only.
④ — MB series with single rear wheels.
⑤ — MB series with dual rear wheels.

1972 BRAKE SYSTEM SPECIFICATIONS

Application	Drum Diam.	Wheel Cylinder Diameter		Master Cylinder Diameter
		Front	Rear	
D100	①10"	1 3/16"	15/16"	1 1/32"
W100	11"	1 1/8"	15/16"	1"
D200	②12"	1 1/8"	1"	1 1/8"
P, W200	③12"	1 1/8"	1"	1 1/8"
D, P, W300	12"	1 1/8"	1 1/16"	1 1/8"
B100	10"	④	7/8"	1 1/32"
B200	11"	④	15/16"	1 1/32"
B, MB300⑤	12"	.....	7/8"	1 1/8"
CB, MB300⑥	12"	.....	1"	1 1/8"
RM300	12"	.....	1"	1 1/8"
RM350	12"	.....	1 1/16"	1 1/4"

① — Front drum diameter is 11".
② — Some models equipped with 12 1/8" drums.
③ — Front drum diameter is 12 1/8".
④ — Front disc brakes are standard equipment.
⑤ — MB series with single rear wheels.
⑥ — MB series with dual rear wheels.

CHRYSLER CORP. SINGLE ANCHOR (Cont.)

1973 BRAKE SYSTEM SPECIFICATIONS

Application	Drum Diam.	Wheel Cylinder Diameter		Master Cylinder Diameter
		Front	Rear	
D100	10"	①	7/8"	1 1/32"
W100	11"	1 1/8"	15/16"	1"
D200	②12"	①	1"	1 1/8"
P200	12"	①	7/8"	1 1/8"
W200	12"	1 1/8"	7/8"	1 1/8"
D, P300	12"	①	1"	1 1/8"
W300	12"	1 1/8"	1"	1 1/8"
B100	10"	①	7/8"	1 1/32"
B200	11"	①	15/16"	1 1/32"
B, MB300③	12"	.....	7/8"	1 1/8"
CB, MB300④	12"	.....	1"	1 1/8"
RM300	12"	.....	1"	1 1/8"
RM350	12"	.....	1 1/16"	1 1/4"

① — Front disc brakes are standard equipment.
② — Some models equipped with 12 1/8" drums.
③ — MB series with single rear wheels.
④ — MB series with dual rear wheels.

1974 BRAKE SYSTEM SPECIFICATIONS

Application	Drum Diam.	Wheel Cylinder Diameter		Master Cylinder Diameter
		Front	Rear	
Dodge				
D100	10"	①	7/8"	1 1/32"
W100	11"	1 1/8"	15/16"	1"
D200	②12"	①	1"	1 1/8"
P200	12"	①	7/8"	1 1/8"
W200	12"	1 1/8"	7/8"	1 1/8"
D, P300	12"	①	1"	1 1/8"
W300	12"	1 1/8"	1"	1 1/8"
B100	10"	①	7/8"	1 1/32"
AW100 & B200	11"	①	15/16"	1 1/32"
B, MB300③	12"	.....	7/8"	1 1/8"
CB, MB300④	12"	.....	1"	1 1/8"
RM300	12"	.....	1"	1 1/8"
RM350	12"	.....	1 1/16"	1 1/4"
Plymouth				
PB100	10"	①	7/8"	1 1/32"
PW100 & PB200	11"	①	15/16"	1 1/32"
PB300	12"	①	7/8"	1 1/8"

① — Front disc brakes are standard equipment.
② — Some models equipped with 12 1/8" drums.
③ — MB series with single rear wheels.
④ — MB series with dual rear wheels.