DATA AND SPECIFICATIONS — Continued

Drum Diameter (Front – Rear)	
RC-1, Newport (Except Town and Country)	11"
RC-2, Windsor	11"
RC-3, New Yorker	12"
RY-1, Imperial	12"
RC-1 and RC-3, Newport and New Yorker Town and Country	12"
Lining Type	Molded Asbestos
Attached to Shoe by	Cyclebond
Width – All Models (Front and Rear)	2½"
Thickness	.170"
Brake Shoe Return Spring Tension	
Pounds (Front and Rear)	45 to 55
Per Cent of Braking Torque – Rear Wheels	40
Diameter of Master Cylinder Bore	1⅛"
Diameter of Wheel Cylinder Bore	1⅛"
Piston Cylinder Clearance (All Bores)	.003" to .0065"
Brake Pedal Free Play (Power Brakes)	1/16" to ⅛"

GROUP 5

SERVICE BRAKES

The total contact brakes of the 1961 Chrysler and Imperial are serviced as recommended in the 1960 Sevice Manual except for specification changes. An improved method of brake bleeding is recommended which insures more positive action and a higher brake pedal.

When relining or servicing the brakes, inspect all the brake shoes for distortion and alignment to insure square contact with the drum. Inspect the brake support plate for evidence of high or low areas at the point of brake shoe contact that might indicate a bent support plate. This might cause misalignment of brake shoe to drum and create erratic brake operation. Replace the brake support if bent.

BRAKE BLEEDING (All Models)

(1) Clean all dirt from around the master cylinder reservoir cover and from the bottom of the power brake cylinder (if so equipped).

(2) Remove the reservoir cover and install the Brake Bleeder, Tank Tool C-3496 and adapter Tool C-3494A (or their equivalent).

(3) With the car raised on a suitable hoist, jacks or stands, back off the brake shoe adjusting cams to the fully released position. (Wheel cylinder cups will contract and compress trapped air in the bleeder screw area.)

(4) Clean the dirt from all the wheel cylinder bleeder valves.

(5) Attach the brake bleeder hose C-650 to the bleeder valve of each wheel cylinder as they are bled.

(6) Place the open end of bleeder hose in an uncontaminated clean jar (clean fluid may be reused).

CAUTION

Water and any type of mineral oil derivative such as gasoline, engine oil, etc., will contaminate brake fluid. It is extremely important that the container

used to catch the brake fluid be clean, free from moisture and must never have contained mineral oil in any form.

(7) Open the brake bleeder and bleed for a minimum of thirty seconds with a constant air pressure of twenty-five pounds in the bleeder tank.

(8) Bleed all wheel cylinders in the following order: (1) right rear; (2) left rear; (3) right front lower; (4) right front upper; (5) left front lower; (6) left front upper.

(9) Remove the bleeder adapter and tank.

(10) Fill the reservoir with MoPar Heavy Duty Brake Fluid, Part No. 1879268, and install the cover and the gasket.

(11) Readjust all the brake shoes.

BRAKE SHOE ADJUSTMENT

Front Wheels

(1) With the vehicle elevated and wheels free to turn, turn **both** adjusting cams of the same wheel in the direction the wheel rotates (forward motion).

(2) Rotate the brake cams independently until each brake shoe seats firmly in the brake drum and locks the wheel. Back off each adjusting cam until no drag is felt when wheel is rotated.

Rear Wheels

(1) Rotate the front brake shoe adjusting cam in the direction the wheel rotates (forward motion) until the brake shoe is firmly seated and wheel is locked. Back off the adjusting cam until no drag is felt when the wheel is rotated.

(2) Rotate the **rear** brake shoe adjusting cam in the direction the wheel rotates when in a backward motion, until the brake shoe is firmly seated and the wheel is locked. Back off the adjustment until no drag is felt when wheel is rotated.

(3) On the opposite rear wheel, repeat steps 1 and 2, making certain that the **front shoe cam** is turned in direction of **forward wheel rotation** and the **rear shoe cam** is turned in the direction of **wheel reverse rotation** to tighten the brakes.

Apply the brake pedal lightly, once or twice, after completing the brake adjustments. Check the master cylinder reservoir fluid level, refill if necessary, before attempting any further brake application. Rotate each wheel to make certain no drag exists. Back off shoes slightly if necessary.

GROUP 6
CLUTCH
DATA AND SPECIFICATIONS

Clutch Model Number	1527
Size	10½ inch
Type	Single Plate, Dry
Pressure Springs	
6 – Unpainted	189-201 lbs. @ 1½ inches
3 – White	239-251 lbs. @ 1½ inches
Pedal Free Play	1 to 1¼ inches

TORQUE REFERENCE

	Foot-Pounds
Flywheel Nuts	60
Clutch Housing to Engine	30
Transmission to Clutch Housing	50
Propeller Shaft to Transmission	35
Clutch Cover to Flywheel	30