4. Inspect brake drums for concentricity, scoring and grease.

5. Install brake shoe return springs and set cams in released position.

6. Check the inside diameter of the brake drums with the brake drum gauge (Fig. 74). Set the brake shoe gauge arbor so that the finger marked "Drum Diameter" is just in contact with the point of the brake drum gauge pin. Place the proper adapter bushing on the spindle or axle shaft and slide the brake shoe gauge over the adapter bushing.

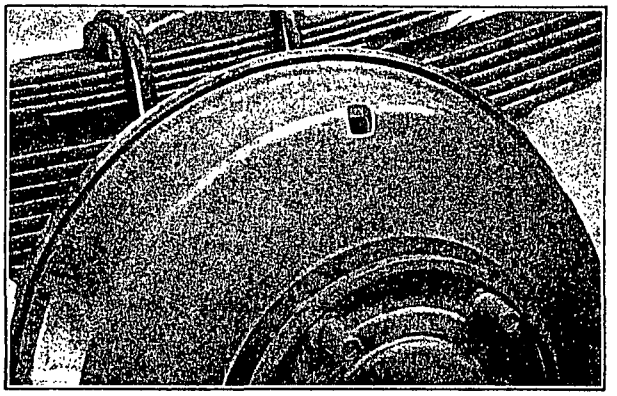

Fig. 73—Wheel Brake Inspection Hole (except WC. WD15)

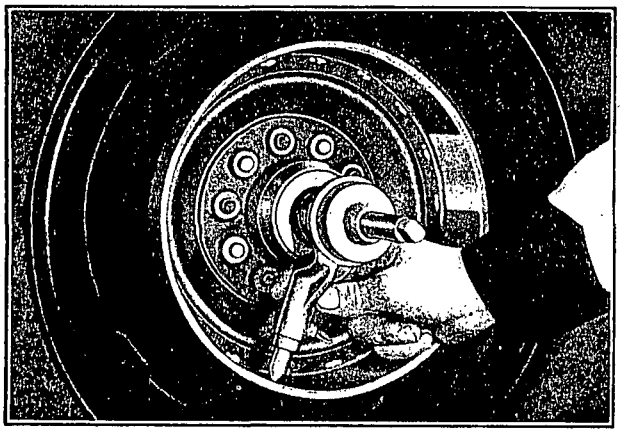

Fig. 74—Checking Brake Drum
Tool MT-84-B

7. Place the gauge on the point marked "heel" and loosen the brake shoe anchor bolt nuts. On a few models an arrow is stamped on the anchor bolts as shown in Figure 76, but on all other models a center punch mark appears as shown in Figure 77. If the arrows or center punch marks on both anchor bolts are not pointing directly toward each other, turn the bolts until they do. These marks must point toward each other before starting to adjust the shoes. The anchor bolts must be turned, from that position, in the correct directions in order to decrease the clearance between the lining and the drum at the "heels" of the brake shoes. The correct procedure is to turn the right-hand anchor bolt, of the pair, anti-clockwise and the left-hand anchor bolt, of the same pair, clockwise as viewed from the side where the wrench is applied (Figures 76 and 77). When turning the anchor bolts, as directed, the heels of the brake shoes will move downward and outward toward the gauge. Turn the anchor bolts until the heels of the brake shoes just contact the heel adjusting finger of the brake shoe gauge arbor. The correct .006" heel clearance is built into the arbor of the brake shoe gauge.

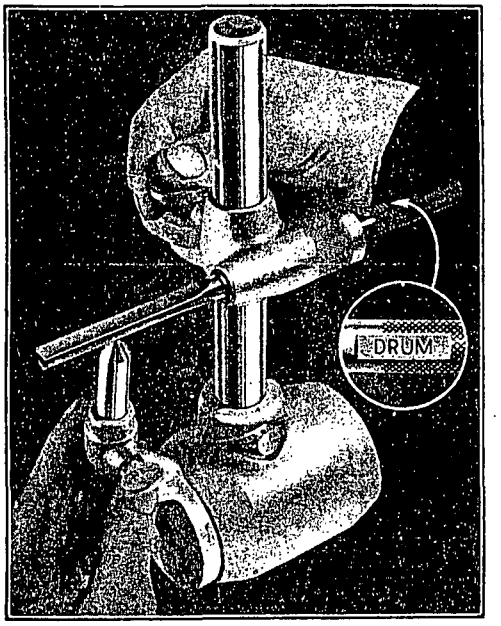

Fig. 75—Setting Brake Gauge
Tool MT-84-B

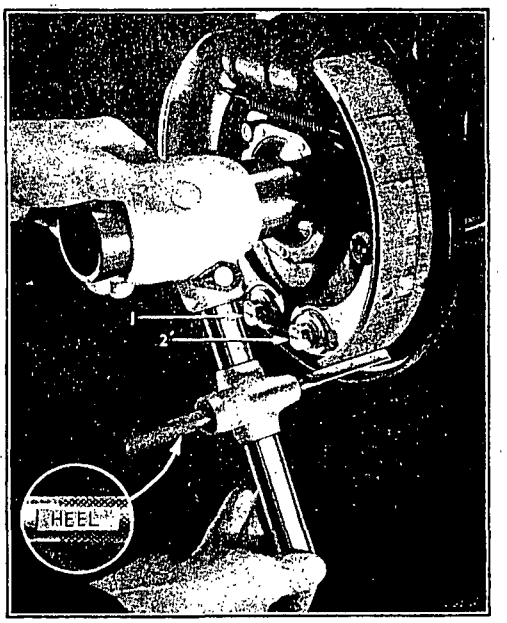

Fig. 76 – Checking Brake Shoe Heel Adjustment
Tool MT-84-B
1 and 2—Wheel brake shoe anchor bolts

8. Move the arbor of the gauge to the point marked *toe* and check the clearance between the lining and drum at the *toe* of the brake shoe. Turn the *toe* adjusting cam until the lining at the toe of the brake shoe just contacts the gauge arbor. The *toe* of the shoe is then properly adjusted, with .012" clearance between the lining and drum.

9. Recheck the clearance first at the *heel* and then at the *toe* to make sure no change has occurred in either adjustment and tighten the anchor bolt nuts securely.

10. Install wheel and hub assemblies.

11. Check and refill the master cylinder reservoir with approved fluid.