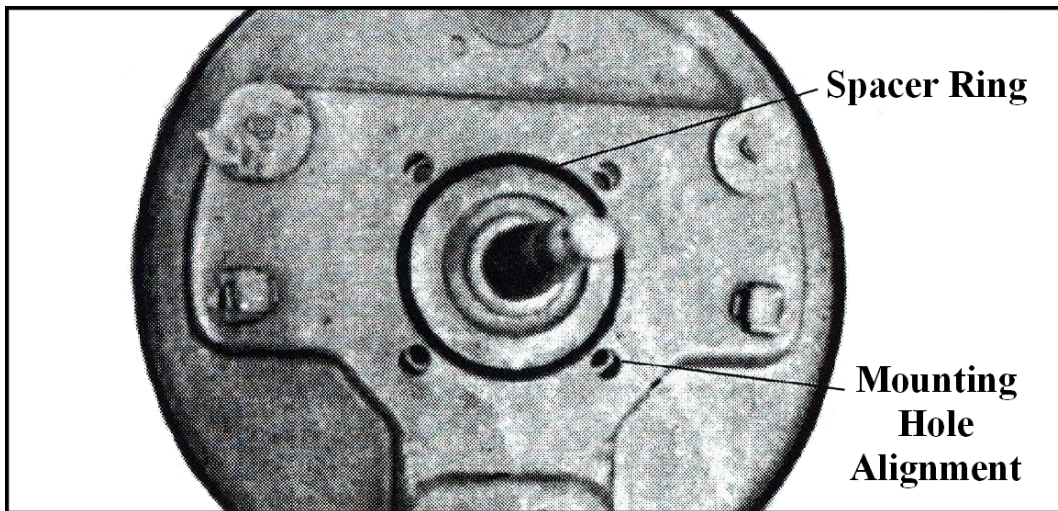


MODIFYING FRONT BACKING PLATES

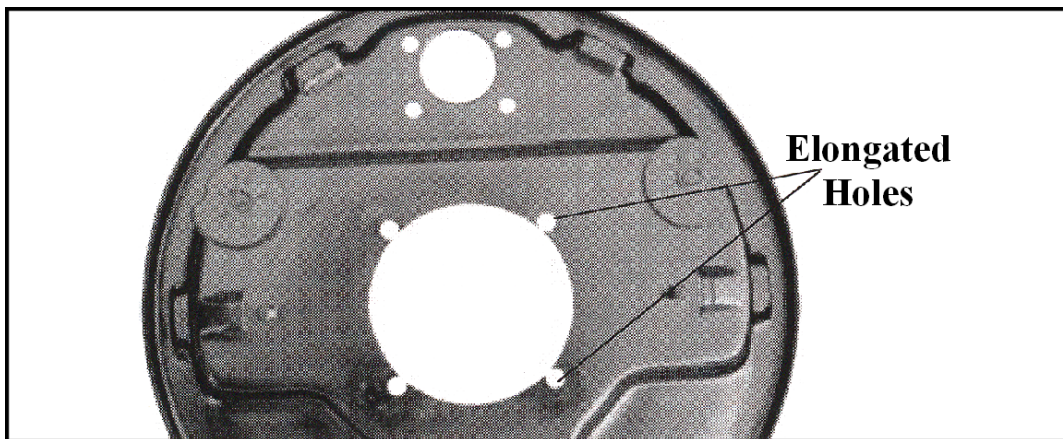
The front backing plate-mounting holes can either be elongated or plugged and redrilled. Follow instruction (A) to elongate the mounting holes or instruction (B) to plug the mounting holes and redrill new holes.

(A) Elongate Backing Plate Mounting Holes

1. Insert Backing Plate Spacer Ring into 3-15/16" dia. Center hole of backing plate. Place backing plate into position on spindle.
2. Rotate backing plate to align with existing holes on spindle. Only a portion of each hole can be seen at all 4 bolt holes. Hold in position and with scribe, mark the new hole locations from back side.



3. Remove backing plate from spindle and file to elongate all 4 holes.
4. Check outer edge of backing plate for bent areas. Straighten bent areas to prevent backing plate from rubbing brake drum.



5. Elongate the mounting holes in the other front backing plate as described above.

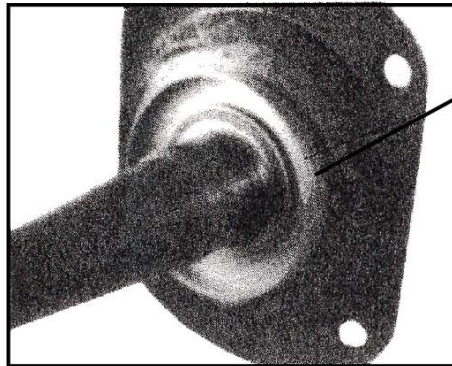
MOUNTING FRONT BACKING PLATES, SHOES AND DRUMS

Before mounting front backing plates, have the following parts available.

- A. Front Wheel Bearings (1928-1948)
- B. P/N 48-1190 Front Wheel Inner Grease Retainer or Seal (1935-1948)
- C. P/N 91A-2035 Brake Shoe Return Spring (1939-1948)

Mounting

1. Remove P/N A-1190 Inner Seal (Figure 7).
2. Position Spacer Ring inside backing plate (Figure 8).



**Inner Seal
P/N A-1190**

FIGURE 7

Spacer Ring

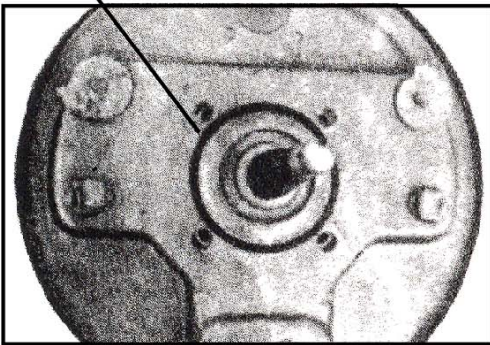


FIGURE 8A (Front View)

**Dave Wilton
Spacer Ring**

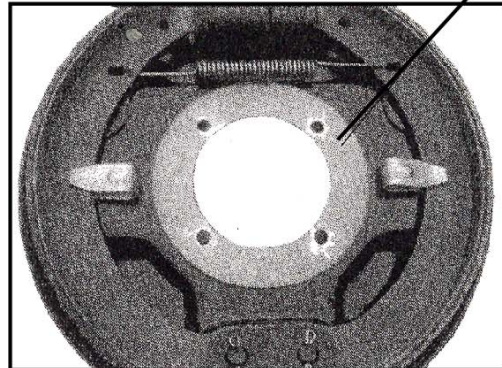
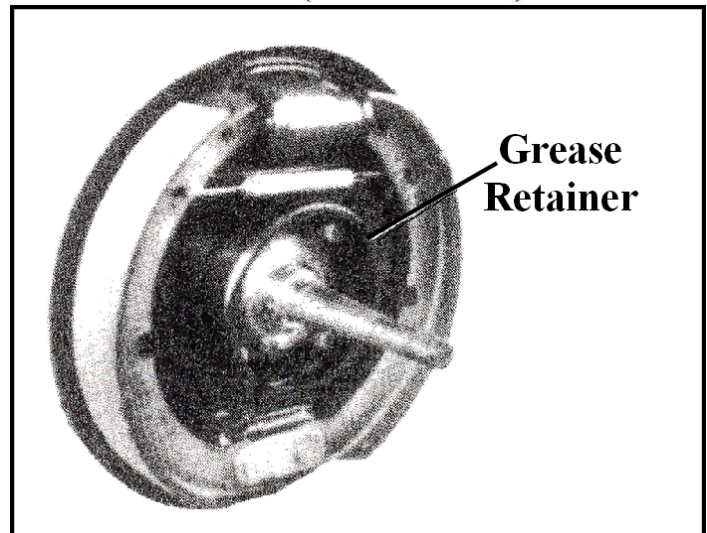


FIGURE 8B (Rear View)

3. Position backing plate onto spindle.
Note: While assembling, if spacer ring and backing plate are too snug to tight on spindle, enlarge center hole in backing plate by filing.
4. Slide original Model A baffle (Front Brake Grease Retainer) into position (Figure 9). Insert four 3/8-24 x 7/8" bolts and castle nuts. Insert cotter pins.



**Grease
Retainer**

5. Install wheel cylinder. Large end of wheel cylinder goes forward, bleed screw goes on top and flex line port goes toward rear (Figure 10 and 11).

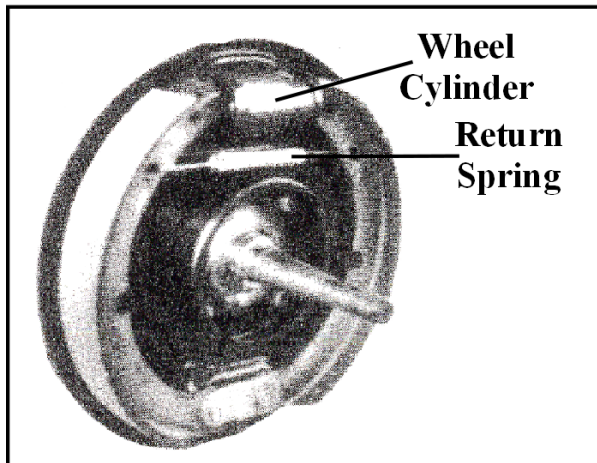


FIGURE 10

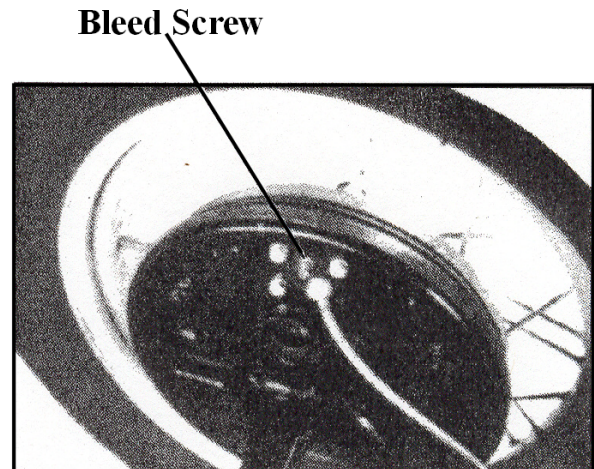


FIGURE 11

6. Install brake shoes:
 - a. Long brake shoes goes to rear.
 - b. Use new Brake Shoe Return Spring P/N 91A-2035.
 - c. Chamfer outside edge of brake shoes to clear radius in brake drums (Figure 6b and 10).
(**CAUTION:** Asbestos is harmful to your health; use respirator when sanding brake lining)
7. To install the brake shoes, (1939-42) remove the two anchor bolts (Figure 12 and eccentric bushings at the bottom of the backing plate. 1946-48 have fixed pins that protrude from the backing plate.
8. Insert the top of each shoe in each end of the wheel cylinder. Cross the shoes to install the retracting spring and install (1939-42) the two anchor bolts and eccentric washers and nuts or (1946-48) install over the protruding pins on the backing plate with double D washers and retainer pin (Refer to Figure 12 and 13).

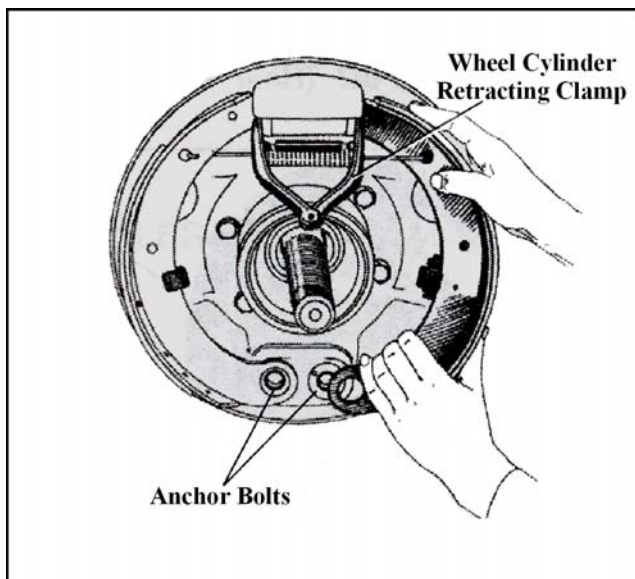


FIGURE 12

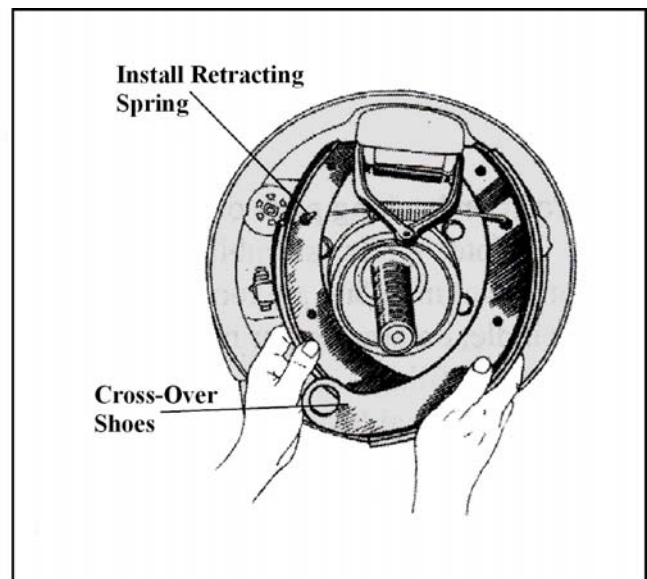


FIGURE 13

9. Install Bearing Spacer (Figures 14A X2000) over spindle. Be sure that chamfered (angled) surface slips over the spindle first.
10. Adjust brake shoes to their inward position.
11. Assemble hubs and wheels: When assembling brake drums into spindle, you may need to move brake adjusters to allow brake shoes to center so brake drums will turn freely. Brake adjustment will be made after all four backing plates and drums have been installed.

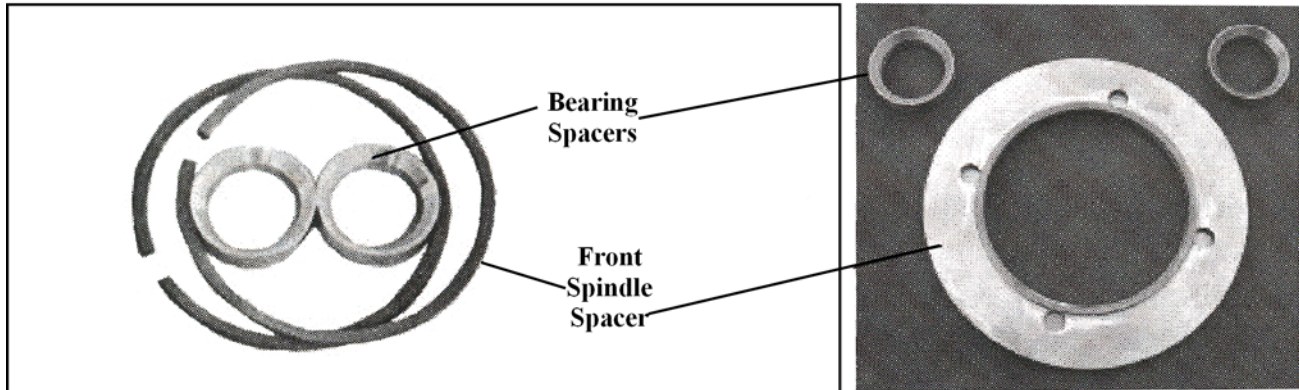


FIGURE 14A - X2000 Spacer Kit

FIGURE 14B

MOUNTING REAR BACKING PLATES, SHOES AND DRUMS

Before mounting rear backing plates, have the following parts available.

- | | |
|-----------------|---|
| A. P/N 68-1225 | 2-3/4" diameter Rear Wheel Roller Bearing 1937-1939 |
| B. P/N 78-1175 | Rear Wheel Grease Seal (fits in hub) 1937-1949 |
| C. P/N 78-1180 | Rear Wheel Seal (snap ring) 1937-1948 |
| D. P/N 91A-2035 | Brake Shoe Return Springs 1939-1948 |
| E. P/N 4102 | Special Spacer Washer |
| F. P/N 4103 | Spring Perch Cut Out and Dust Cover |

Mounting Backing Plates.

1. Install Spring Perch Cut Out and Dust Cover

Apply silicone sealer to back side of dust cover. Install Dust Cover from brake shoe slide of backing plate and seat (Figure 15). After seating cover, bend tabs to secure. Remove excess silicone sealer making sure all small seams are sealed to eliminate dirt and dust from entering brake shoe area.

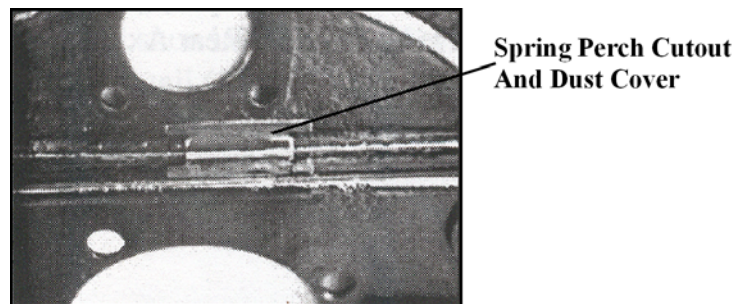


FIGURE 15