



## **DEXTER AXLE**

### **Instructions for Shoe and Lining Kit - 12¼ x 3 3/8"; 12¼ x 4" and 12¼ x 5" Electric Brakes**

#### *Notice to Buyer*

It is recommended that all four-(4) shoe and linings be replaced at the same time to insure balanced braking performance.

#### *Removing the old brake shoe and linings:*

1. Remove the wheel and drum from the spindle, leaving the brake exposed. Then, remove and SAVE the retractor springs from the top of the brake.
2. De-adjust the brakes by rolling the adjuster star wheel to it's minimum length.
3. Remove and SAVE the adjuster retainer clips. Pull shoes apart at the bottom so that the adjuster falls out of the brake shoes to eliminate the spring tension on the shoes.
4. Remove and SAVE the adjusting cable, adjusting lever, adjusting lever spring, adjuster spring, and two centering springs from the brake shoes.
5. Remove and DISCARD the nuts and washers from the shoe hold down bolts. The shoes can now be removed from the brake.

#### *Installing the new brake shoe and linings:*

1. Prior to reassembling, lubricate the adjuster assembly and the anchor post with a high temperature brake lubricant.
2. Assemble the brake shoes onto the brake backing plate making sure the secondary shoe is at the rear of the brake. The secondary shoe contains the adjusting cable guide pulley and adjusting lever pivot pin installed on it. Make sure these parts and the reinforcing plates at the top of the shoe face AWAY from the backing plate.
3. Install the hold down washers and nuts onto the bolts. Tighten the nuts leaving .010" to .015" clearance between the washer and the shoe web.
4. Install the adjusting screw between the shoes, making sure the threaded end of the screw is at the front of the brake. Replace the adjusting screw retainer clips. Install the adjuster spring and the two centering springs.
5. Install the retractor springs across the tops of the shoes. The green spring goes in front and the black spring goes in back.
6. Assemble the adjusting lever spring, then the adjuster lever onto the pivot pin on the secondary shoe. Hook the end of the spring over the lever.
7. Attach the adjusting cable to the bracket at the top of the brake and to the adjusting lever at the bottom of the brake. Route the adjusting cable around the cable guide bracket.
8. Move the magnet and actuating lever from side to side to see that it moves freely in both directions.
9. Remount the drum and wheel.
10. These brakes are self-adjusting when operated in the forward or reverse direction. After replacing all brake shoes, drive the vehicle and apply the brakes numerous times while moving. Do NOT drag the brakes. Adjustment only occurs when brakes are applied and released.