

INSTALLATION INSTRUCTIONS



Shoe and Lining Kit for 12¼" x 3⅜", 12¼" x 4" & 12¼" x 5 Hydraulic Brakes

K71-165-00 Shoe & Lining Kit for one 12¼" x 3⅜" LH Hydraulic Brake
K71-166-00 Shoe & Lining Kit for one 12¼" x 3⅜" RH Hydraulic Brake
K71-167-00 Shoe & Lining Kit for one 12¼" x 4" LH Hydraulic Brake
K71-168-00 Shoe & Lining Kit for one 12¼" x 4" RH Hydraulic Brake
K71-169-00 Shoe & Lining Kit for one 12¼" x 5" LH Hydraulic Brake
K71-170-00 Shoe & Lining Kit for one 12¼" x 5" RH Hydraulic Brake
K71-437-00 Shoe & Lining Kit for one 12¼" x 3⅜" LH Corrosion Resistant Hydraulic Brake
K71-438-00 Shoe & Lining Kit for one 12¼" x 3⅜" RH Corrosion Resistant Hydraulic Brake
K71-444-00 Shoe & Lining Kit for one 12¼" x 3⅜" LH Hydraulic Tag Brake
K71-445-00 Shoe & Lining Kit for one 12¼" x 3⅜" RH Hydraulic Tag Brake

Notice to Buyer

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

Self Adjusting Brakes

Remove the old brake shoe and linings

1. Jack up trailer and secure on adequate capacity jack stands. Follow trailer manufacturers recommendations for lifting and supporting the unit.



CAUTION

Do not lift or support the trailer on any part of the axle or suspension system. Never go under any trailer unless it is properly supported on jack stands which have been rated for the load. Improperly supported vehicles can fall unexpectedly and cause serious injury or death.

2. Remove the wheel and drum from the spindle, leaving the brake exposed. Then remove and save the retractor spring from the top of the brake and from the top and bottom of the park brake.
3. On the park brake, remove the park lever and cam, then remove and save the cable. On the non-park brake, remove and save the cable, the e-clip retainer, cable attachment bracket, and piston stop at the top of the brake.
4. Remove and save the adjusting lever, adjusting lever spring, and adjuster screw assembly from the bottom of the brake.
5. Remove and discard the nuts and washers from the shoe hold down bolts. The shoes can now be removed from the brake assembly.
2. Assemble the brake shoe onto the brake spider making sure the secondary shoe (longest lining length) is at the rear of the brake and the cylinder push rods are properly located in the shoe webs.
3. Install the hold down washers and nuts onto the bolts. Snug the nuts against the washers, then loosen ¼ turn. Brake shoes must be free to move forward and backward.
4. Install the adjusting screw between the shoes making sure the threaded end of the screw is at the front of the brake. Turn the adjuster to adjust the shoe diameter smaller so it will be easier to mount the drum.
5. For park brake only, install the adjuster lever torsion spring, adjuster lever, and cable.
6. Install the retractor spring across the shoes.
7. Install the piston stop, cable attachment bracket and e-clip retainer. Then reattach the extension spring from the bracket to the shoe web. On the park brake, reinstall the cam and park brake lever.
8. Hook the adjuster spring in the shoe web, then hook the spring in the adjuster lever stretching the spring to engage the lever onto the pivot pin.
9. Attach the adjusting cable to the adjusting lever at the bottom of the brake. Route the adjusting cable around the cable pulley and hook it to the cable attachment bracket at the top of the brake.
10. Remount the drum and wheel.
11. These brakes are self adjusting when operated in forward and reverse. After replacement of brake shoes and linings, the brakes must be re-burnished to seat the new components. This should be done by applying the brakes 20-30 times from an initial speed of 40 mph, slowing the vehicle to 20 mph. Allow ample time for the brakes to cool between applications. This procedure allows the new brake shoes to seat in to the drum surface.

Installing the new brake shoe and linings

1. Prior to reassembly, lubricate the six (6) shoe rest pads on the brake spider, the adjuster assembly threads, and the area of the shoe webs under the hold down washers with a high temperature brake lubricant.

Manual Adjust Brakes

Remove the old brake shoe and linings

1. Jack up trailer and secure on adequate capacity jack stands. Follow trailer manufacturers recommendations for lifting and supporting the unit.

CAUTION

Do not lift or support the trailer on any part of the axle or suspension system. Never go under any trailer unless it is properly supported on jack stands which have been rated for the load. Improperly supported vehicles can fall unexpectedly and cause serious injury or death.

2. Remove the wheel and drum from the spindle, leaving the brake exposed. Then remove and save the retractor spring from the top of the brake. Removing the e-clip and piston stop is optional.
3. Remove and save the adjusting screw spring and adjusting screw assembly from the bottom of the brake.
4. Remove and discard the nuts and washers from the shoe hold down bolts. The shoes can now be removed from the brake assembly.

Installing the new brake shoe and linings

1. Prior to installation, remove the adjusting lever pivot pin from bottom of secondary shoe by knocking it out with a hammer.

Note: Support shoe adequately so the shoe will not be distorted in any way when pin is removed.

2. Prior to reassembly, lubricate the six (6) shoe rest pads on the brake spider, the adjuster assembly threads, and the area of the shoe webs under the hold down washers with a high temperature brake lubricant.
3. Assemble the brake shoe onto the brake spider making sure the secondary shoe (longest lining length) is at the rear of the brake and the cylinder push rods are properly located in the shoe webs.
4. Install the hold down washers and nuts onto the bolts. Snug the nuts against the washers, then loosen $\frac{1}{4}$ turn. Brake shoes must be free to move forward and backward.
5. Install the adjusting screw between the shoes making sure the adjuster threads are located on the left side of the brake vertical centerline. Turn the adjuster to adjust the shoe diameter smaller so it will be easier to mount the drum.
6. Install the adjuster screw spring.
7. Install the retractor spring across the shoes.
8. Remount the drum and wheel.

9. Using a brake adjuster tool, turn the adjuster nut out until the linings create a strong drag on the drum as it is rotated. Back adjuster off so the drum rotates freely but with slight lining drag.
10. After replacement of brake shoes and linings, the brakes must be re-burnished to seat the new components. This should be done by applying the brakes 20-30 times from an initial speed of 40 mph, slowing the vehicle to 20 mph. Allow ample time for the brakes to cool between applications. This procedure allows the new brake shoes to seat in to the drum surface