



INSTALLATION INSTRUCTIONS

Shoe and Lining Kit for 10" x 2-1/4" or 12" x 2" NEV-R-ADJUST® and Manual Electric Brakes

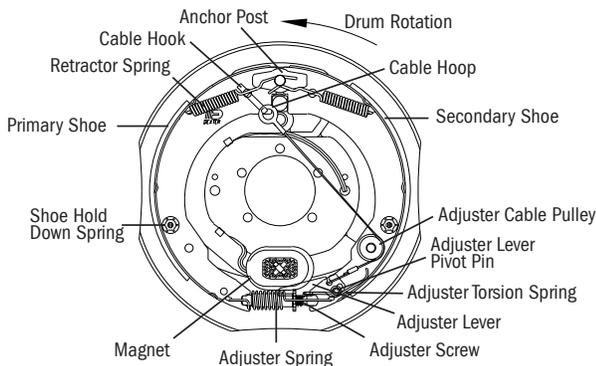
K71-047-00 Shoe & Lining Kit for one 10" x 2-1/4" 3.5K Electric Brake
 K71-127-00 Shoe & Lining Kit for one 12" x 2" 7K Electric Brake
 K71-672-00 Shoe & Lining Kit for one 10" x 2-1/4" 4.4K Lb. Electric Brake
 K71-675-00 Shoe & Lining Kit for 12" x 2" LH 7K Electric Self Adjusting Brake
 K71-676-00 Shoe & Lining Kit for 12" x 2" RH 7K Electric Self Adjusting Brake
 K71-681-00 Shoe & Lining Kit for one 10" x 2-1/4" LH 3.5K Electric Forward Self Adjusting Brake
 K71-682-00 Shoe & Lining Kit for one 10" x 2-1/4" RH 3.5 K Electric Forward Self Adjusting Brake
 K71-698-00 Shoe & Lining Kit for one 10" x 2-1/4" LH 4.4K Electric Forward Self Adjusting Brake
 K71-699-00 Shoe & Lining Kit for one 10" x 2-1/4" RH 4.4K Electric Forward Self Adjusting Brake

Notice to Buyer

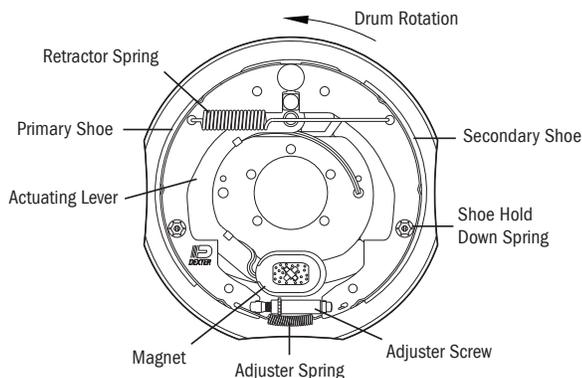
It is recommended that all four (4) shoe and linings be replaced at the same time to ensure balanced braking performance.

Note: There are two different styles of 10" and 12" electric brakes with differing retractor spring design. In November 2017 Dexter began manufacturing brakes with a single retractor spring instead of a dual retractor spring design. The brake shoes in this kit are direct replacements for either design. Be aware there are slight differences during reassembly listed in the instructions. Please verify which style of brake you have to ensure proper reassembly and future performance.

Dual Retractor Spring (Nev-R-Adjust Shown)



Single Retractor Spring (Manual Adjust Shown)



Remove the old brake shoe and linings

1. Jack up trailer and secure on adequate capacity jack stands. Follow trailer manufacturer's 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(s) from the top of the brake.
3. Remove and discard the shoe hold down springs and pins from the brake shoes.
4. Remove and save the adjuster screw and adjuster spring from the brake shoes.
5. On Nev-R-Adjust brakes, disconnect the cable from the cable hook. Remove and save the cable hook and the cable.

Installing the new brakes shoe and linings

1. Assemble the primary shoe by first installing the new hold down pin through the backing plate and the shoe. The primary shoe is the shoe with the shortest lining, and mounts on the side of the backing plate closest to the front of the vehicle. On the brake, secure the hold down spring on the end of the hold down pin by inserting the pin through the slot and rotating the spring cup.
2. **Dual Retractor Spring Only:** Install the anchor post wing washer, then attach one end of the retractor spring to the primary shoe and the other end to the anchor post.
3. **Single Retractor Spring Only:** Attach one end of the retractor spring to the primary shoe and the other end will attach to the secondary shoe.

See either Manual Adjust or Nev-R-Adjust Instructions on page 2.



Installing the new brakes shoe and linings continued:

Manual Adjust Brakes

1. Install secondary shoe on backing plate with hold down pin and spring, same as primary shoe. If equipped with a dual retractor spring design, install the retractor spring from the secondary shoe to anchor post. The single retractor spring design will attach from the secondary shoe web to the primary shoe web, with the spring coil oriented towards the primary brake shoe.
2. Install adjuster screw at bottom between brake shoes. Be sure adjuster screw star wheel aligns with adjuster slot in backing plate. Install adjuster screw spring on bottom side of adjuster screw.
3. Move the magnet and actuating lever from side to side to see that it moves freely in both directions.
4. Remount the hub and drum and adjust bearings per Dexter's current Operation Maintenance Service Manual. On manual adjust brake using a brake adjusting tool, turn the adjuster nut out until the linings create a strong drag on the drum as it is rotated. Back off the adjuster nut 6 to 8 notches so that drum rotates freely. Nev-R-Adjust brakes can be adjusted up with a screw driver, however to back off adjustment the adjuster lever must be pulled away from star wheel to turn the star wheel in reverse.
5. Install the adjuster plug.
6. 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 brakes shoe and linings continued:

Finishing Installation - Nev-R-Adjust® Brakes

1. On secondary shoe, install the lever spring on the adjuster lever pivot pin with the hook toward the bottom and curved end toward the pulley. Install adjuster lever on pivot pin and engage the spring hook in the lever hole. Connect cable (small loop) to adjuster lever and route cable over pulley
2. Install secondary shoe on backing plate with pulley toward backing plate, secure in place with hold down pin and spring. Be sure cable is not routed around hold down pin. If equipped with a dual retractor spring design, install the retractor spring from the secondary shoe to anchor post. The single retractor spring design will attach from the secondary shoe web to the primary shoe web. The spring coil will be oriented towards the primary brake shoe on a 10" brake, and oriented towards the secondary shoe on a 12" brake.
3. Install adjuster spring over adjuster screw assembly with the long hook going over the star wheel, then install adjuster between shoes being sure the star wheel is toward the lever pivot pin.
4. Connect adjuster spring on each shoe.
5. Install cable hook on primary shoe web in the hole under retractor spring. Use tape or other adhesive to hold cable hook in place. Push adjuster lever upward with a tool while pulling on cable and place loop over hook in primary shoe. Push on cable toward secondary shoe and release to observe adjuster lever ratchet and rotate star wheel.
6. Move the magnet and actuating lever from side to side to see that it moves freely in both directions.
7. Remount the hub and drum and adjust bearings per Dexter's current Operation Maintenance Service Manual. On manual adjust brake using a brake adjusting tool, turn the adjuster nut out until the linings create a strong drag on the drum as it is rotated. Back off the adjuster nut 6 to 8 notches so that drum rotates freely. Nev-R-Adjust® brakes can be adjusted up with a screw driver, however to back off adjustment the adjuster lever must be pulled away from star wheel to turn the star wheel in reverse.
8. Install the adjuster plug.
9. 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.

Note: The current Dexter Axle Operation Maintenance Service Manual is available for download at www.dexteraxle.com.