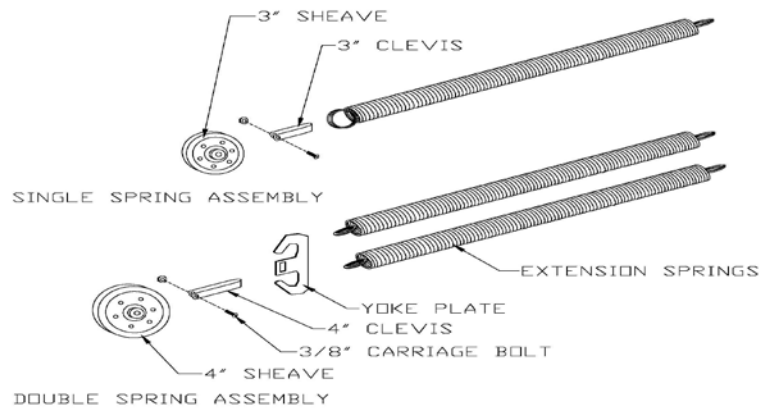


## Supplemental Instructions

### Extension Spring Assembly

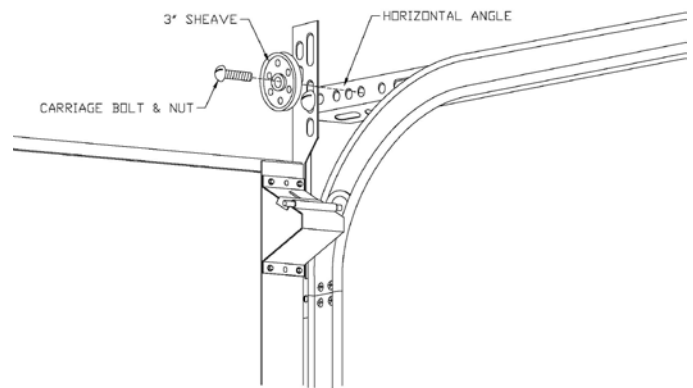
**Step 19:** Some doors will be supplied with two springs and others will be supplied with four springs. Assemble springs on the floor as shown in figure 24.

**Step 20:** The front sleeve (pulley) must be installed at this point. On single car doors the 3" sheave, on double car doors a 4" sheave is bolted approximately 4" back from the front wall on the horizontal angle in one of the holes provided. Use a 3/8" x 2" carriage bolt and flange nut, supplied in the extension spring safety cable bag. See figure 25.

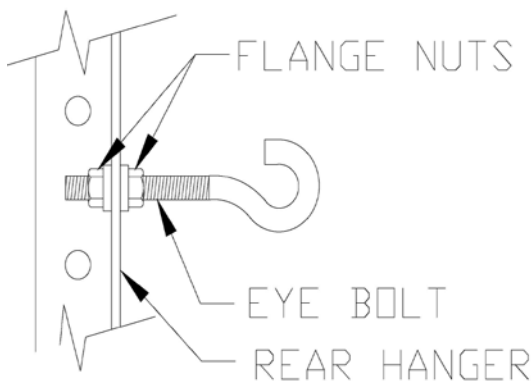


**Figure 24**

**Step 21:** Attach the eye bolts with one 5/16" nut on each side of the rear hanger. The eye bolt should be about 12" above the track to keep the spring assembly from dragging on the track. The eye bolts can be as low as 4" above the track if you have space problems. Tighten the eye bolt nuts. See figure 24 (on facing page).



**Figure 25**

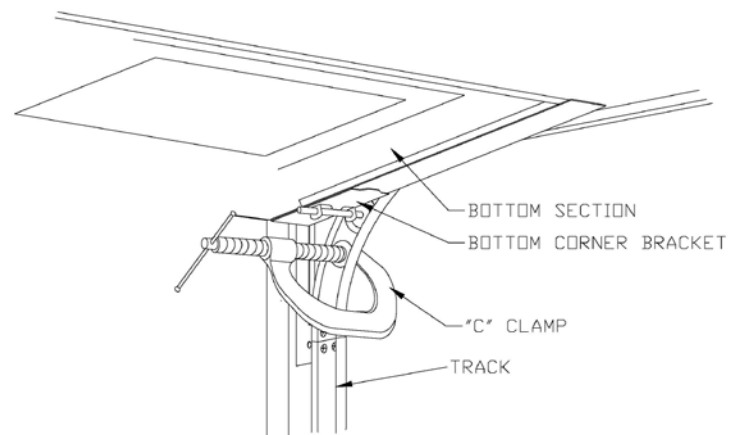


**Figure 26**

#### ▼ WARNING ▼

This is the first time the new door is being opened. If the tracks are not correctly aligned or the rear track hangers are not strong enough, the door may fall. The door will be very heavy without the help of the springs. Have two or more people help you. Proceed slowly and carefully. With the door half open, check to be sure the horizontal tracks are parallel with each side of the door and make sure the rollers do not come out of the top brackets more than 1/2". If adjustment of the rear hangers is necessary, use extreme caution because the weight of the door is supported by the rear hangers.

**Step 22:** Carefully raise the door and prop it half way open.



**Figure 27**

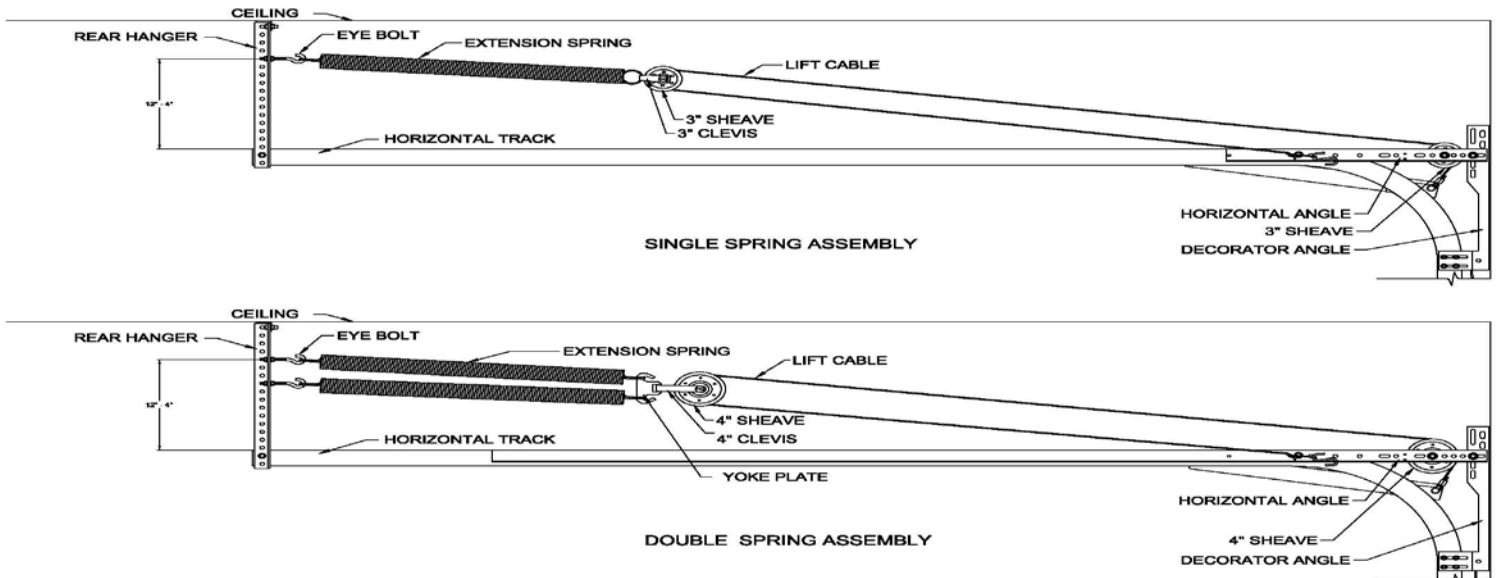
**Step 23:** Raise the door to the full open position. Place "C" clamps in the track below the bottom rollers to keep the door from falling closed. See figure 27.

Check again to be sure the horizontal tracks are parallel with the edges of the door. The rollers must not come out of the hinged or corner brackets.

**Step 24:** Hook the end of the spring over the eye bolt at the rear of the track. See figure 28.

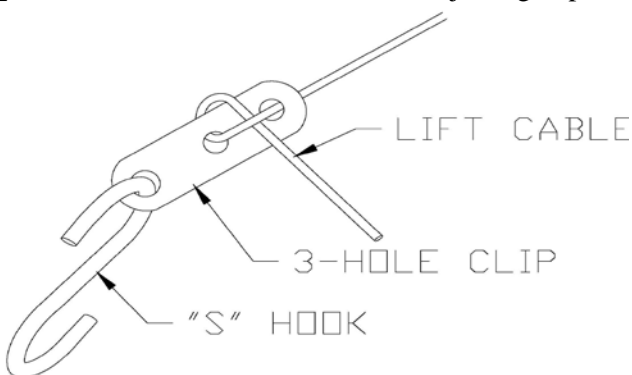
**Step 25:** Thread the lift cable up behind the rollers and over the stationary sheave (pulley).

**Step 26:** Continue threading the cable over and around the sheave on the spring(s). See figure 28.

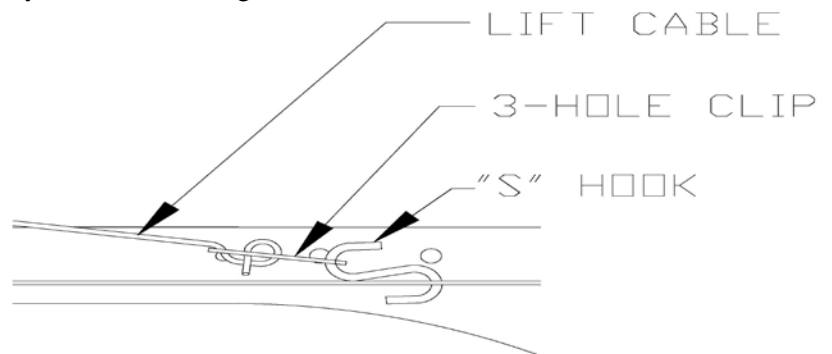


**Figure 28**

**Step 27:** Tie the cable to the three hole adjusting clip exactly as shown. See figure 29.



**Figure 29**



**Figure 30**

**Step 28:** Hook the cable to the horizontal angle with the "S" hook. Adjust so that all springs tension is relieved and the cable holds the springs above the track. The spring should be stretched the same amount on both sides. See figure 28 & 30.

**Step 29:** Install safety cables as directed by the instructions provided with the safety cables.

▼ **WARNING** ▼

**If the safety cables are not installed, spring breakage can cause serious injury or death.**