

SK7155P2 REPLACEMENT EXTENSION SPRINGS WITH SAFETY CABLES

WARNING:

Extension springs are under extreme tension when the door is down or in operation. When a Garage Door is in the down position the springs are fully charged and at their most dangerous. If a door cable or springs breaks and safety cables are not present the extension springs can become potentially deadly projectiles.

IDEAL SECURITY recommends having safety cables on all extension springs for Garage Doors.

When working on Garage doors always wear safety glasses and take all recommended safety precautions.

Always unplug electric door openers before starting any replacement work on Garage Doors.

NOTE: Garage Doors with OVERHEAD TORSION SPRINGS should only be repaired or replaced by professionals.

PREPARATION:

1. Open the door completely to remove tension from the extension springs and block securely it in this position with clamps or locking pliers placed on the tracks below the bottom rollers.
2. Unplug or Disconnect automatic door opener.

REMOVING OLD EXTENSION SPRINGS:

1. Release all the tension from the system by unhooking the "S" hook at the end of the lifting cable from the slotted steel angle of the horizontal track (mark the hole used by the "S" hook for future reference).
2. Remove the lift cable pulley from the spring by undoing the axle bolt and removing the "U" bracket.
3. Remove the other end of the spring from the attachment hook bolted to the back hanger bar.

REPLACING EXTENSION SPRINGS & SAFETY CABLES:

1. Loop safety cable around the back hanger bar just above the spring attachment hook. Pass the end of the safety cable with the anchor plate through the eye at the other end of the cable. Adjust until the cable is secured snugly around the hanger bar.
2. Pass the free end of the cable with the anchor plate through the extension spring. Slide the spring along the safety cable and hook the end of the spring to the attachment hook on the back support of the horizontal track.
3. Fasten the "U"-shaped bracket from the cable pulley to the other end of the extension spring and place the pulley in the "U". Insert the axle bolt and secure.
4. Thread the lifting cable through the cable pulley from the top. Ensure that the lifting cable is not twisted.
5. Pull the steel lifting cable until it is under tension and reattach the "S" hook to the slotted steel angle bracket of the horizontal track.
The location of the original hole used can provide a useful reference point, however differences in spring length may mean that adjustments to hook placement and cable length may have to be made. Adjust until there is no sag in the spring and the system is under tension.
6. Attach the safety cable anchor plate to the slotted steel angle bracket of the horizontal track with the bolts provided. The attachment point should be as close to the front of the garage door as possible so that it does not interfere with the operation of the lifting cable and spring.

Repeat the same steps for the other extension spring and safety cable.

BALANCING THE DOOR

Remove the clamps and close the door to check if it is properly balanced. It should stabilize when you stop pushing it up or pulling it closed. A slight tendency to go up or down does not matter. If the door opens by itself as soon as you let it go there is too much tension in the system. If it closes fast and hits the floor hard the springs are too loose. Open the door and block it in this position with clamps or locking pliers. Adjust the tension by moving the "S" hook on the horizontal steel angle forward (towards the door opening) to increase tension or backward (away from the door opening) to decrease tension. You may have to adjust the cable length by sliding the holding plate on the steel cable in one direction or another in order to get the required tension.

