

## Operator Installation - Standard Header

### Operator Winding (dual spring style operator) Standard Header Operator Installation

#### Step 1

Loosen set screws in winding cone.

Figure 1

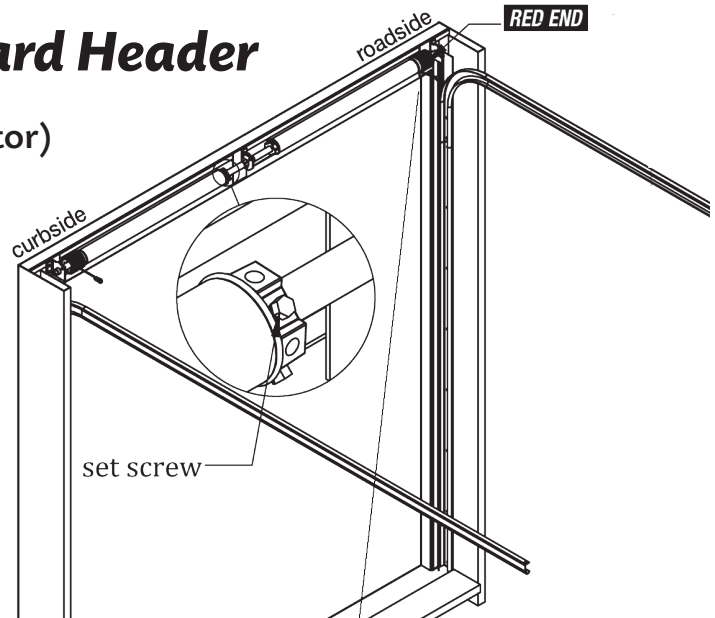


Figure 1

### CAUTION

**MAKE SURE CABLES ARE ATTACHED TO DOOR AND CABLE DRUMS, THAT CABLES ARE PROPERLY TENSIONED, AND CABLE DRUMS ARE PROPERLY SECURED TO SHAFT.**

#### Step 2

Wind cable onto cable drum following grooves. It is important that the end of the cable is inserted fully into the notch. If this is not done properly, it could interfere with the drum movement. Figure 2

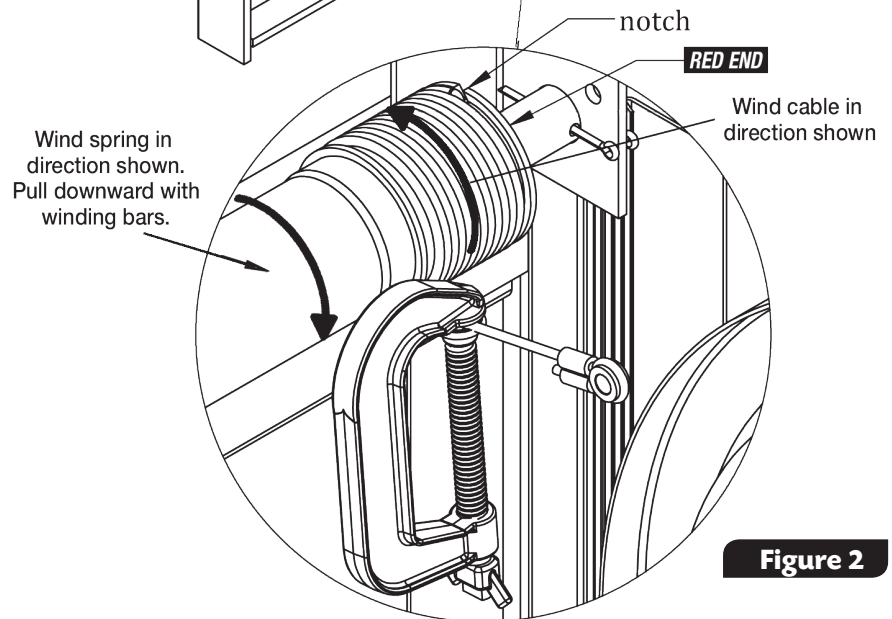


Figure 2

#### Step 3

When all cable has been put onto drum, continue to wind 4 to 5 full turns. Pull down on winding bar for standard header. Add clamp to hold cable. Make sure cable drum is positioned about 1/4" from operator end bracket and tighten all set screws in winding cone.

#### Step 4

Repeat for opposite side



Equal number of rotations on each spring.  
 The direction of your wax line should look similar to this when finished.  
 NOTE: Actual number of wraps may vary.

### WARNING

**HIGH-TENSION SPRINGS CAN CAUSE SEVERE INJURY OR DEATH. REPAIRS AND ADJUSTMENTS MUST BE MADE BY TRAINED SERVICE PERSONNEL.**

# Operator Installation - Shallow Header

## Operator Winding (dual spring style operator) Shallow Header Operator Installation

### NOTE:

Some installations have a very narrow header, called "shallow header". A shallow header installation differs from the standard procedure, as the end of the operator, which is painted red, mounts on the curbside.

### Step 1

Loosen set screws in winding cone.

Figure 1



**MAKE SURE CABLES ARE ATTACHED TO DOOR AND CABLE DRUMS, THAT CABLES ARE PROPERLY TENSIONED, AND CABLE DRUMS ARE PROPERLY SECURED TO SHAFT.**

### Step 2

Wind cable onto cable drum following grooves. It is important that the end of the cable is inserted fully into the notch. If this is not done properly, it could interfere with the drum movement. Figure 2

### NOTE:

*Shallow header cable winds opposite of a standard installation.*

### Step 3

When all cable has been put onto drum, continue to wind 4 to 5 full turns. Push up on winding bar for shallow header. Add clamp to hold cable. Make sure cable drum is positioned about 1/4" from operator end bracket and tighten all set screws in winding cone.

### Step 4

Repeat for opposite side



**HIGH-TENSION SPRINGS CAN CAUSE SEVERE INJURY OR DEATH. REPAIRS AND ADJUSTMENTS MUST BE MADE BY TRAINED SERVICE PERSONNEL.**

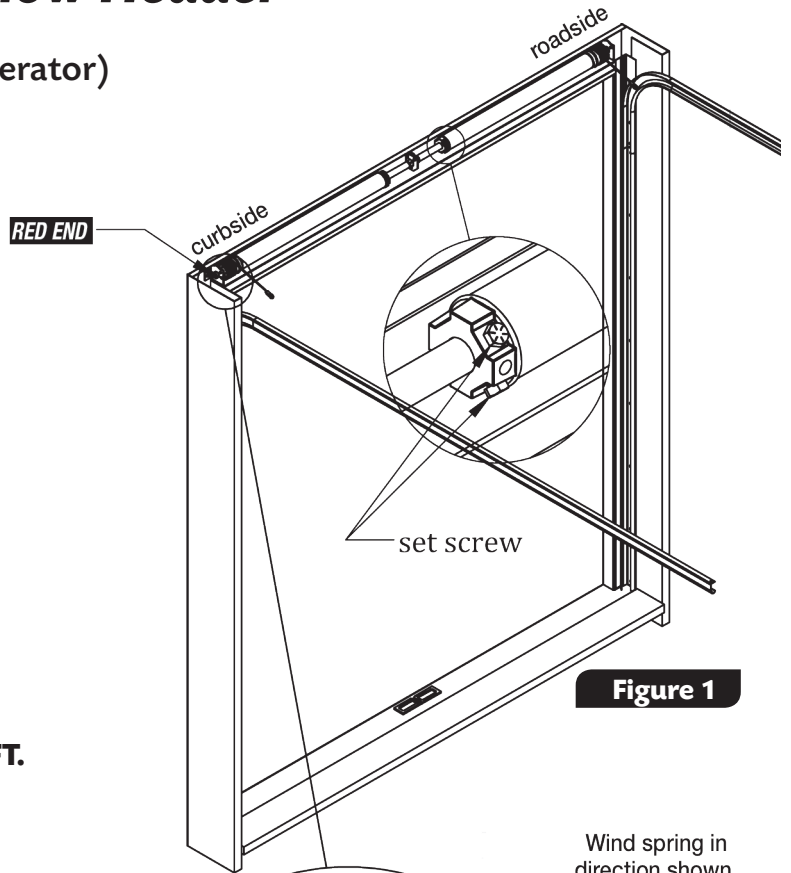


Figure 1

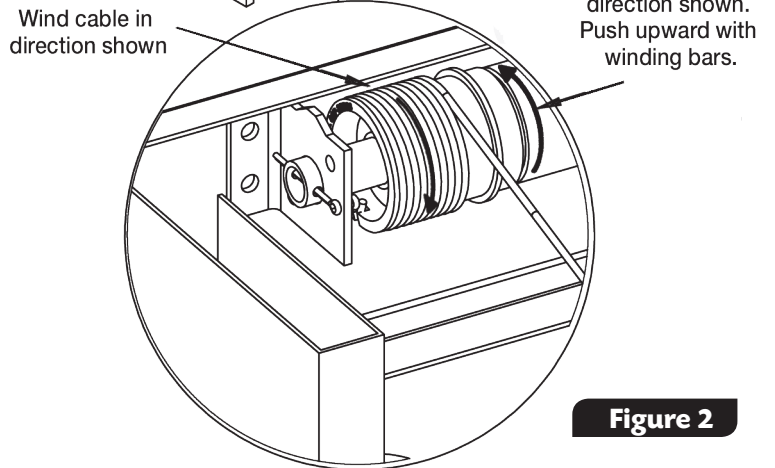


Figure 2



Equal number of rotations on each spring.

The direction of your wax line should look similar to this when finished.

NOTE: Actual number of wraps may vary.

