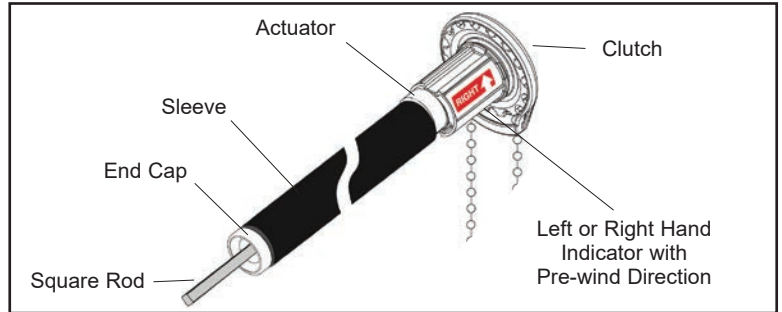




ASSEMBLY FOR STANDARD ROLL

1. INSTALL BEAD CHAIN: For ease of installation, a bead chain drop length of at least 50 inches should be used to allow the chain to clear the spring assist assembly. If a shorter chain is ever required, the open loop should be installed into the clutch before the bead chain is connected.



2. PRE-WIND SPRING:

Determine the number of rotations you must pre-wind into the spring. Holding the clutch as shown in figures 3A & 3B, pull on the rear chain so the housing and spring assist assembly rotates in the direction of the arrow on the red or blue sticker attached to the clutch housing.

Count complete revolutions corresponding to the width versus drop length obtained from the provided chart.



Figure 3A



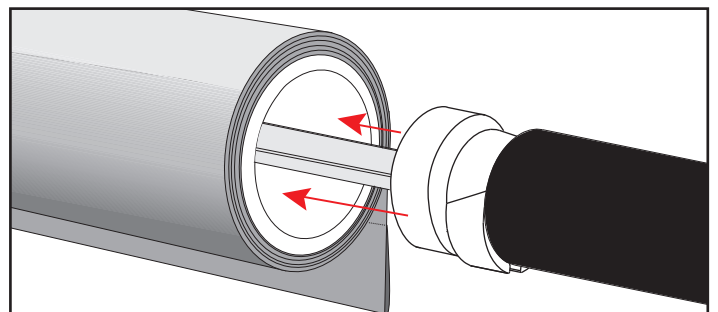
Figure 3B "Right" Red Label Pre-Rotate in direction of arrow

3. INSTALL SOUND REDUCING FOAM for G200 ONLY

On shade tubes with internal features (keyed tube), the end of the Spring Assist mechanism may rub against the key while the tube is rotating causing a knocking effect.

To prevent this it is recommended that an approximately 1-foot (305 mm) section of common plumbing hot/cold water pipe insulation foam be taped to the black sleeve on the end of the Spring Assist.

(Use foam sleeve that fits 1" (25mm) copper pipes or 3/4" (75mm) iron pipes) Note: The foam sleeve must be secured to the black PVC sleeve only and should never be attached to the spring, white spring-retainer or square metal shaft. When using a G400 Spring Assist, there is no need for the foam wrap due to the wheel supports that prevent the Spring Assist from rubbing.



4. INSTALL INTO TUBE

With the shade in the rolled up position, slide the spring assist assembly into the tube until the housing is fully covered and secured.



NOTES

A.) Reverse Roll Shades

Assembly instructions above assume a standard roll roller shade. Front roll shades must be assembled differently. For reverse roll shades (**only**), use a right-hand clutch on the left side or a left-hand clutch on the right side. Pre-rotations should still follow the direction the arrow indicates.

B.) Re-setting Spring

If it ever becomes necessary to reset the spring assist to zero tension (ie...changing a spring assist roller shade for use in another application, etc...) before adding additional pre-rotations you need to make sure the spring tension is reset to zero.

How to tell if spring is at zero tension: Hold the clutch by the housing with one hand and with the other move the cord guard and release. If the cord guard stays in its position the spring is virtually at zero, if the cord guard snaps back, adjustment is needed. Manually adjust as close to “zero” as possible using the bead chain to counter rotate the spring in the opposite direction of the arrow. Test and adjust until spring is at zero.

Note: Illustration shown for right-hand clutches, left hand clutches will snap back in the opposite direction.

Once the spring has returned to zero, use the pre-rotation chart, and pre-wind the spring according the requirements of the new application.

