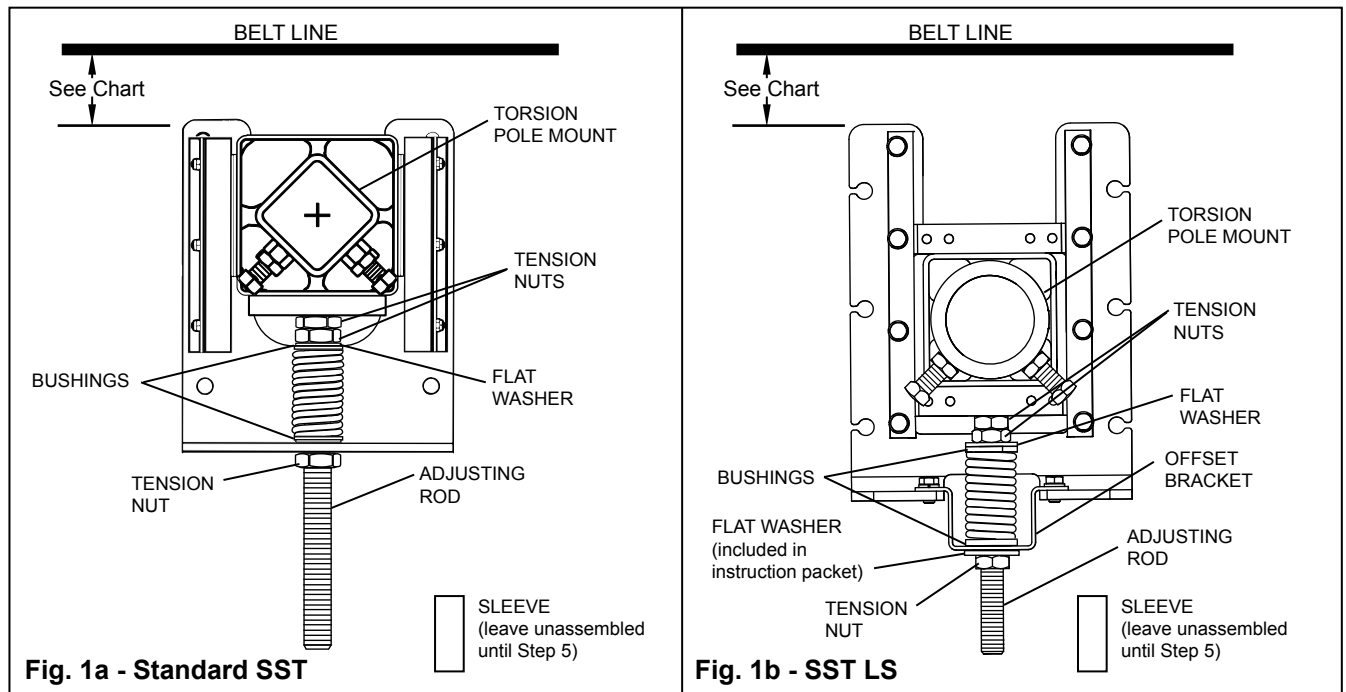


# SST & SST LS TENSIONERS for Secondary Cleaners

## PUSH-UP TENSIONING OPTION INSTALLATION INSTRUCTIONS



### 1. Reconfigure the standard pull-up tensioner to the push-up style.

**For Standard SST:** Remove the 3 tension nuts, the flat washer, 2 bushings, the spring, and the sleeve and reassemble (Fig. 1a) with 2 tension nuts, the spring bushings and flat washer on the upper end of the adjusting rod. Be sure the 2 tension nuts are tight against the torsion pole mount. The sleeve should be set aside to be used in Step 5. Thread one tension nut on the bottom end of the adjusting rod and tighten until the spring is completely compressed.

**For SST LS (Limited Space):** Remove the 3 tension nuts, the flat washer, 2 bushings, the spring and the sleeve. Next remove the offset bracket from the mounting base and flip it over and reassemble it to the base (Fig 1b). Reassemble the 2 tension nuts, the spring, bushings and flat washer to the upper end of the adjusting rod. The sleeve should be set aside for use in Step 5. Thread one tension nut and a flat washer (a second flat washer is included in the cleaner's instruction packet) on the bottom end of the adjusting rod and tighten until the spring is completely compressed.

2. **Install the tensioner mounting bases.** Mount the bases to the structure or chute so that the tops of the base legs are the correct distance below the belt. See the chart and Fig. 1a & Fig. 1b.

#### DISTANCE FROM BELT TO TOP OF BRACKET

TENSIONER	MSS/MHS CLEANERS	MHS SAC CLEANER
SST	3 1/2"	5 1/4"
SST LS	1 1/2"	3 1/4"

3. **Install the cleaner pole and set the blade angle.** Follow the installation steps from the cleaner instructions included in the packet. Note: be sure the lock bolts on the torsion pole mount have been securely tightened to lock the pole in place before moving to Step 4.

4. **Set the blade tension.** Remove the bottom tension nut from the adjusting rod (for SST LS models, also remove the flat washer and discard). Turn the 2 upper tension nuts until the spring is compressed to the length shown on the Spring Length Chart below (note: select the correct chart for the type of cleaner being installed). Tighten the 2 tension nuts together to prevent loosening.

**MSS SST SPRING LENGTH CHART**

BLADE WIDTH	WHITE SPRING	SILVER SPRING	BLACK SPRING
18"	3 1/2"	4 1/8"	N/A
24"	3 1/4"	4"	N/A
30"	3"	3 7/8"	N/A
36"	N/A	3 7/8"	4"
42"	N/A	3 3/4"	3 7/8"
48"	N/A	3 5/8"	3 3/4"
54"	N/A	3 1/2"	3 3/4"
60"	N/A	3 3/8"	3 5/8"
72"	N/A	N/A	3 1/2"
84"	N/A	N/A	3 3/8"

**MHS SST SPRING LENGTH CHART**

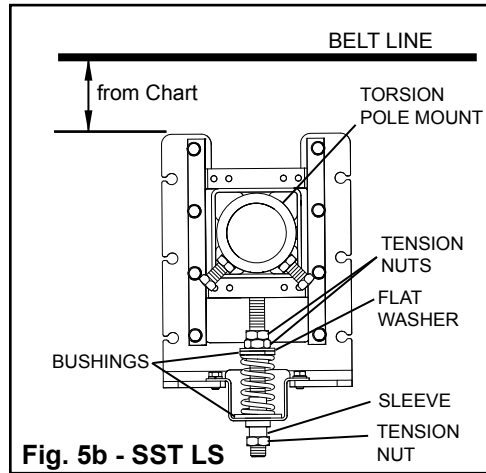
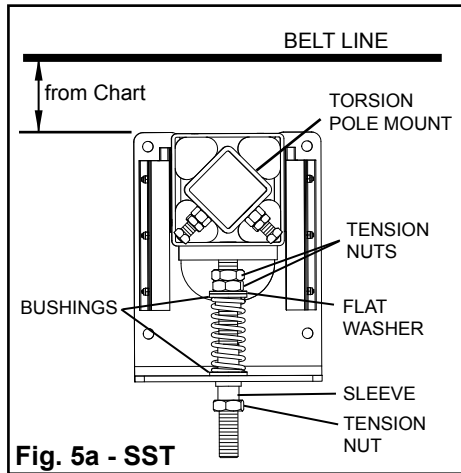
BLADE WIDTH	WHITE SPRING	SILVER SPRING	BLACK SPRING
18"	3 3/8"	4"	N/A
24"	3 1/8"	3 7/8"	N/A
30"	2 7/8"	3 3/4"	N/A
36"	N/A	3 3/4"	3 7/8"
42"	N/A	3 5/8"	3 3/4"
48"	N/A	3 1/2"	3 5/8"
54"	N/A	3 3/8"	3 5/8"
60"	N/A	3 1/4"	3 1/2"
72"	N/A	N/A	3 3/8"
84"	N/A	N/A	3 1/8"

**MHS SAC LS SST SPRING LENGTH CHART**

BLADE WIDTH	SILVER SPRING	BLACK SPRING
24"	2 5/8"	N/A
30"	2 1/2"	N/A
36"	2 1/4"	N/A
42"	N/A	2 3/4"
48"	N/A	2 3/4"
54"	N/A	2 5/8"
60"	N/A	2 1/2"
72"	N/A	2 3/8"

Shading indicates preferred spring option. NOTE: Measure from the top of the flat washer to the mounting base to determine spring length.

5. **Replace the sleeve.** Position the sleeve over the adjusting rod and turn it until it is in the middle of the bushing. Replace the bottom tension nut and tighten until it locks the sleeve in place (Fig. 5a & 5b).



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