

Eliminator[®] Belt Cleaning Systems

H-Type[®] Spring Tension Kits - Dual

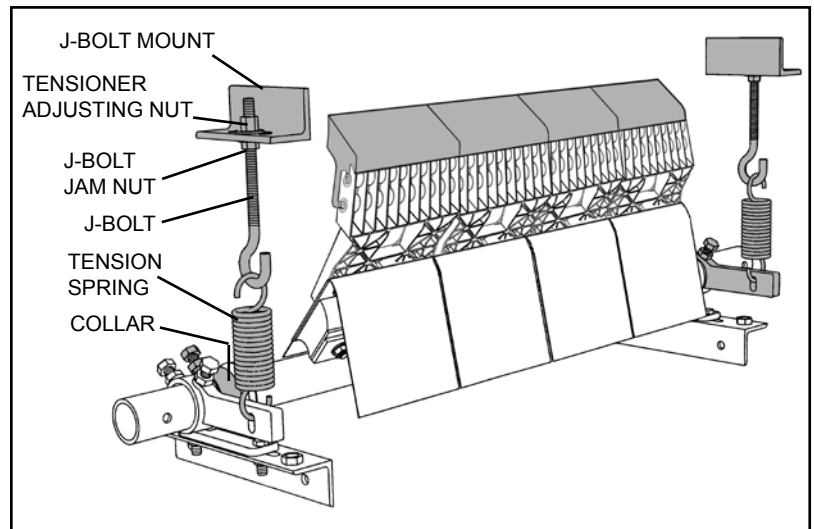
Dual #74504, HS Dual #74316 & HD Dual #74594

for HXF2, HXF, HV and HVP Cleaners

Instructions for Installation

H Spring Tension Kit Selection Chart

CLEANER TYPE AND SIZE	74505 STKS	74504 STKD	74313 STKHSS	74316 STKHSD	74594 HDSTK
HXF2 & HXF 18"	X				
HXF2 & HXF 24-36"			X		
HXF2 & HXF 42-72"				X	
HXF2HD & HXFHD 42-120"					X
HV & HVP 18-36"	X				
HV & HVP 42-54"		X			
HV & HVP 60-72"				X	
HVHD 42-120"					X



Begin installation after STEP 9 of the H cleaner installation instructions is completed.

STEP 10D. Install the Tension Kit.

- a. With the pole rotated up so that all the tips contact the head pulley, slide a collar on each end of the pole. Position the collars tight against the bearing mounts and tighten the lock bolt and jam nut on each collar (Fig. 1).

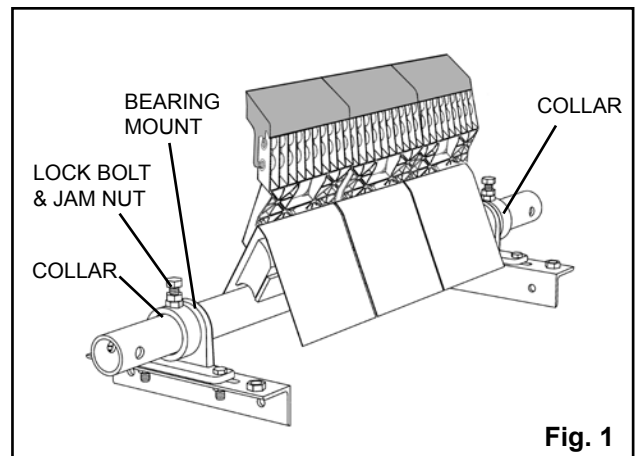


Fig. 1

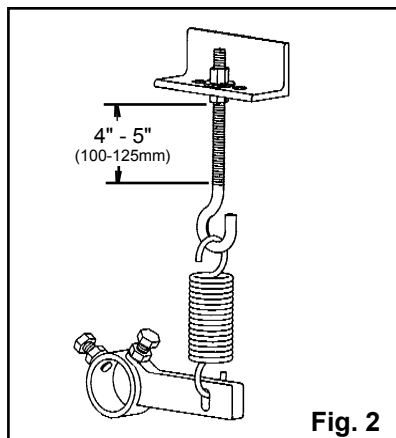


Fig. 2

- b. Assemble the tension spring and the J-bolt mount to an adjusting arm (Fig. 2). **IMPORTANT:** Allow for at least 4" to 5" (100-125mm) upward movement on the J-bolt for future blade tip adjustments.

c. Install an adjusting arm onto one pole end. Rotate the tensioner around the pole until the optimum mounting position is located. The J-bolt mount can be located in any position 360° around the pole. The only requirement is that the J-bolt and spring remain perpendicular to the adjusting arm (Fig. 3). NOTE: adjusting arm can be located any place along the end of the pole to align with the J-bolt mount.

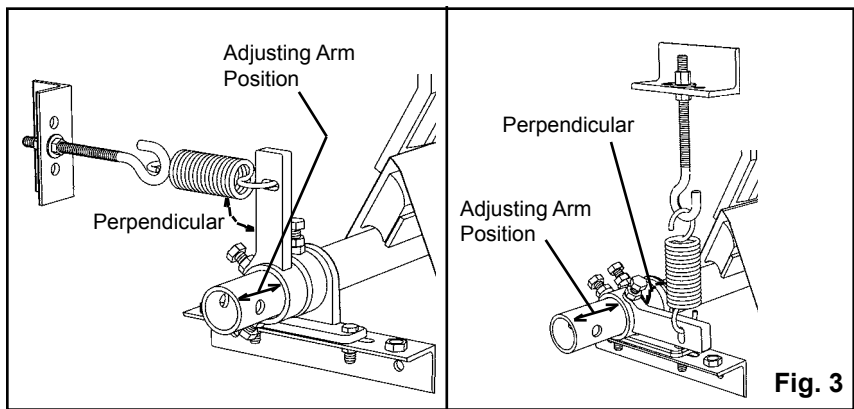


Fig. 3

d. Clamp the J-bolt mount in place and weld or bolt in position.

e. With the adjusting arm positioned perpendicular to the J-bolt and spring, tighten the adjusting arm lock bolts and jam nuts (for optimum hold, tighten the back bolt first and then the top bolt).

f. Repeat steps b. through f. on other side of cleaner.

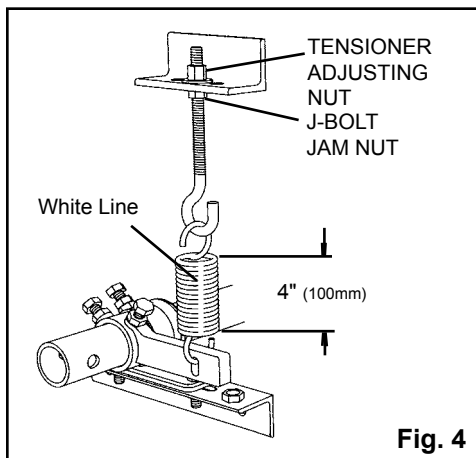


Fig. 4

STEP 11D. Set the Spring Tension.

Loosen the J-bolt jam nut and turn the tensioner adjusting nut until the spring is 4" (100mm) long. Measure the length of the white line on the spring (Fig. 4). Complete on both sides of cleaner. NOTE: The given spring length measurement is a starting point only. Actual length for correct cleaner blade tensioning may vary by cleaner width. Determine exact spring measurement length for your cleaner after STEP 12D is completed.

STEP 12D. Check for Correct Blade Tip Tension.

Place the Tip Tension Gauge (supplied with cleaner) between the blade tip and belt on the center tip (or tips) (Fig. 5). While pulling in a straight motion, read the tension required to break contact between the tip and belt. 28 lbs. (13Kg) is recommended for HXF2 and HXF; and 18 lbs. (8Kg) for HV and HVP. Also check tension on both outer tips. Make tension adjustments if needed.

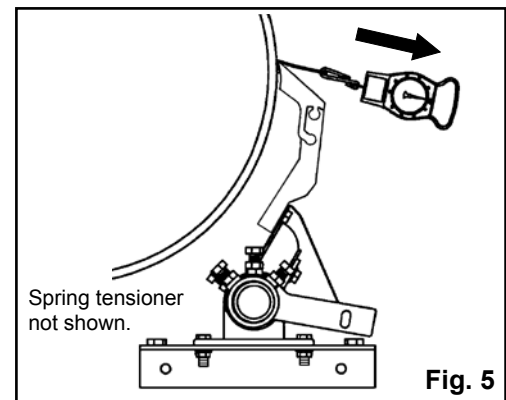


Fig. 5

STEP 13D. Measure Spring Length and Affix Label.

After the correct spring tension has been confirmed, measure the white line on the spring. Using a ballpoint pen, mark the spring length on the Spring Length Label provided in the packet. Affix the label on the conveyor structure near the spring for future reference for tensioning or re-tensioning the blades.

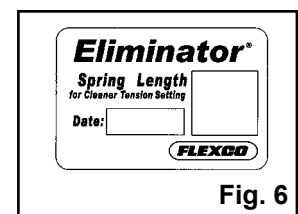


Fig. 6

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