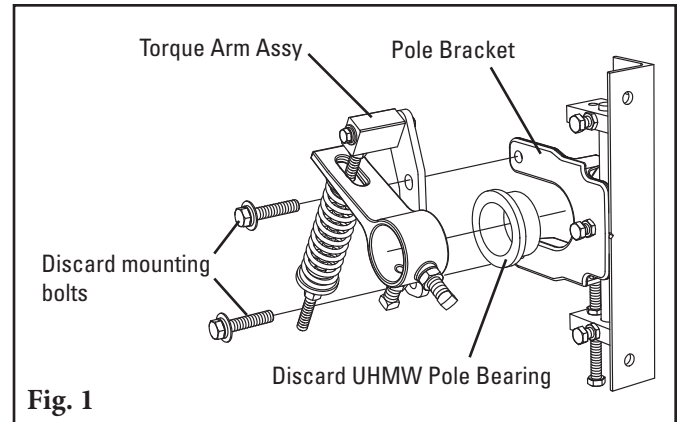


Tensioner Retrofit Kit Instructions

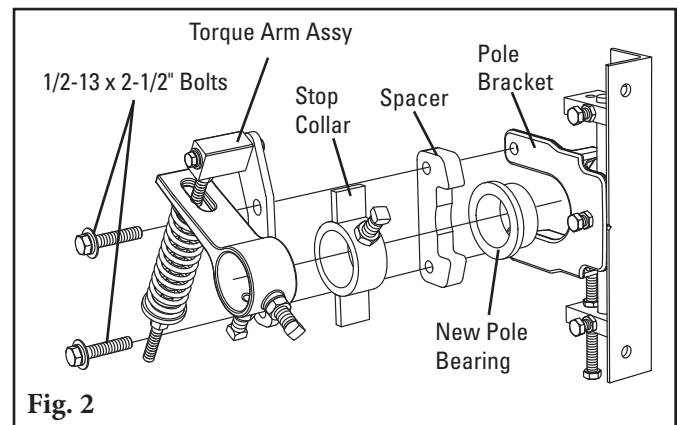
U-Type Secondary Cleaner

1. To retrofit assembly aid onto current tensioner:

- Remove torque arm kit (Fig 1).
- Discard the two bolts used to attach torque arm kit to pole bracket (Fig. 1).
- Remove and discard existing UHMW pole bearing (Fig. 1).

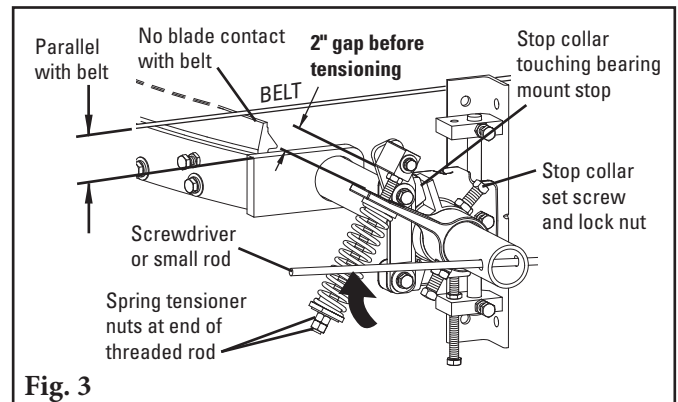


- Install new pole bearing (Fig. 2).
- Slide stop collar onto pole (Fig. 2).
- Slide torque arm kit onto pole (Fig. 2).
- Reattach torque arm kit to casting using spacer and 1/2-13 x 2-1/2" bolts provided (Fig. 2).
- Repeat on opposite side using other stop collar.



2. Tensioner Setup:

- Insert a screwdriver or small rod into hole on end of cleaner pole. Pushing upward on the rod, pivot blade into a position parallel to belt (Fig. 3). Blade should not be touching belt at this time. The gap between the torque arm and pivot block should be approximately 2".
- Center the blade to the belt and make sure torque arm, stop collar, bearing and slide plate are tight together on both sides. Then tighten stop collar set screw and lock nut with stop collar touching top of bearing mount stop to hold blade parallel to belt, and remove screwdriver or rod.
- Push torque arm down to contact the spring and tighten the torque arm set screws and lock nuts on both sides of the cleaner (Fig. 4Ub).



3. Adjust the blade to the belt.

- a. Loosen slide plate set screws and lock nuts. Adjust by turning adjusting bolts either up or down (Fig. 4).
- b. Adjust blade either up or down until both blade ends and the center make full contact with belt.
IMPORTANT: In some cases, due to irregular belt wear or cupping, it may be necessary to make final adjustments independently on both sides.
- c. Tighten lock nuts on adjusting bolts to secure blade in correct position. Also tighten slide plate set screws and lock nuts.

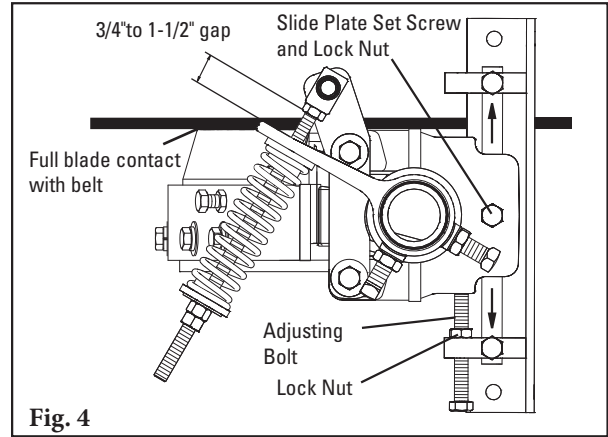


Fig. 4

4. Set the blade tension.

- a. Set spring length to determined length (Fig. 5).
IMPORTANT: Always be sure there is uniform contact between blade and belt.
- b. If blade is not in full contact with belt at edges and center, either raise or lower pole position of cleaner and reapply tension.
- c. Please note, when fully tensioned there should be approximately 3/4" to 1-1/2" of space between the torque arm and pivot block (Fig. 4).

The diagram shows a vertical spring with an adjusting nut at the top. Labels include: 'Adjusting Nuts' pointing to the top of the spring; and 'Top of washer to top of torque arm' pointing to the bottom of the spring.

Spring Length Chart (for Cleaners with UST Tensioners)							
Blade Width		Purple Spring		Silver Spring		White Spring	
in.	mm	in.	mm	in.	mm	in.	mm
18	450	6 1/8	154	6 3/8	160	6 3/8	162
24	600	5 7/8	148	6 1/4	148	6 1/4	160
30	750	5 1/2	140	6 1/8	156	6 1/4	158
36	900	5 3/8	136	6	152	6 1/8	156
42	1050	5	128	5 7/8	150	6 1/8	154
48	1200	N/A	N/A	5 3/4	146	6	152
54	1350	N/A	N/A	5 5/8	142	5 7/8	150
60	1500	N/A	N/A	5 1/2	140	5 7/8	150
72	1800	N/A	N/A	N/A	N/A	5 1/2	140
84	2100	N/A	N/A	N/A	N/A	5 3/8	136
96	2400	N/A	N/A	N/A	N/A	5 1/4	132

Fig. 5

5. Blade Stop Setup:

- a. Set both stop collars to a clearance of 1/4" (6mm) between stop collar and bottom bearing mount stop for UC cleaners, or 1/2" (13mm) for UF cleaners (Fig. 6). This will prevent blade from moving into belt. Tighten set screws and lock nuts.

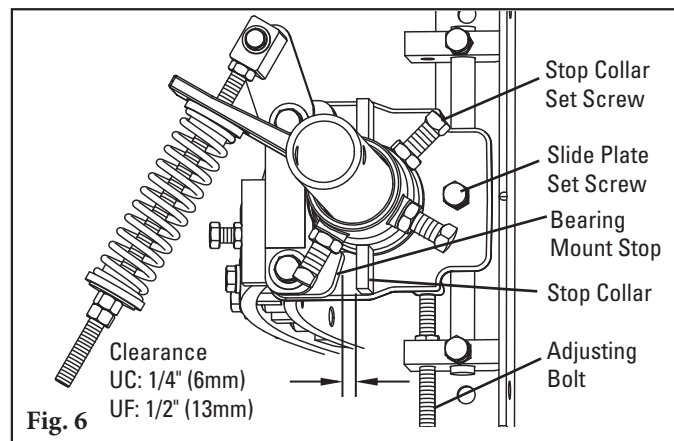


Fig. 6

