

# Eliminator<sup>®</sup> Belt Cleaning Systems

## P-Type<sup>®</sup> Belt Cleaner with C-Tips or V-Tips

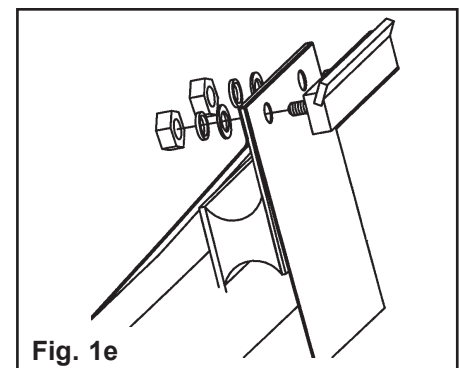
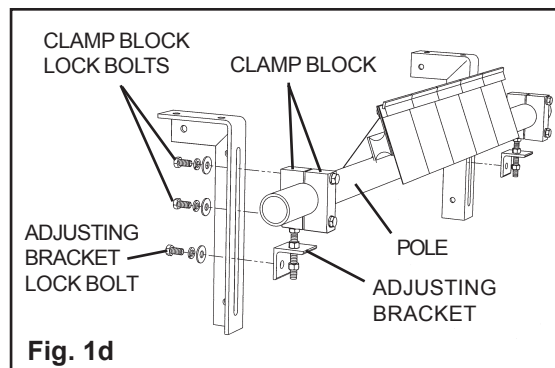
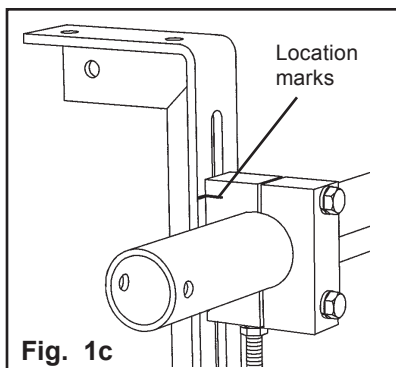
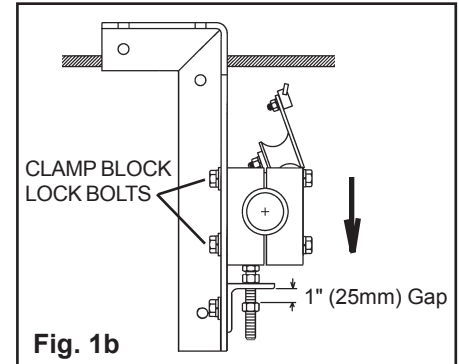
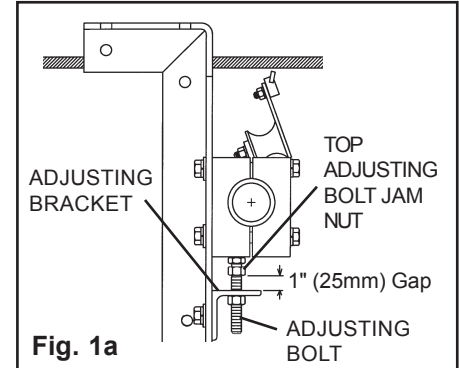
# Blade Replacement Instructions

### BEFORE YOU BEGIN:

**PHYSICALLY LOCK OUT AND TAG THE CONVEYOR AT THE POWER SOURCE.**

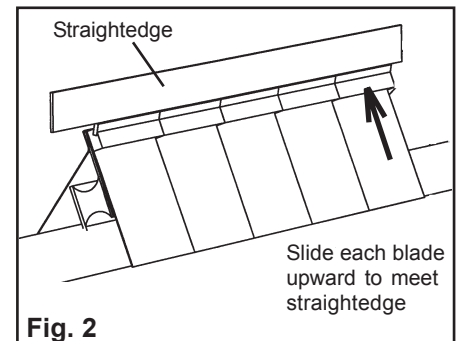
### STEP 1. Release the blade tension and remove worn blade tips.

- Loosen and turn the top adjusting bolt jam nuts 1" (25mm) above the tops of the adjusting brackets (Fig. 1a).
- Loosen the clamp block lock bolts on both sides and allow the pole to move down and rest on the raised top adjusting bolt jam nuts (Fig. 1b).
- Place location marks across the mounting bracket and the clamp block for quick repositioning after blade replacement (Fig. 1c).
- Remove the clamp block lock bolts and adjusting bracket lock bolts on each side and remove the pole with the clamp blocks and adjusting brackets attached (Fig. 1d).
- Remove the nuts, flat washers and lock washers from the tips and remove the worn tips (Fig. 1e).
- Insert new blade tips and install flat washers, lock washers and nuts finger tight.



### STEP 2. Align the blade tips.

Push tips together so there is no more than a .010" to .015" gap between them. Position a straightedge along the top surface of new blade tips. Pull upward on each blade to align with the bottom of the straightedge and tighten the nuts (Fig. 2).



### STEP 3. Reinstall the pole.

Slide the pole back into position on the mounting brackets, aligning marks made on the bracket and the clamp block. Install the two adjusting bracket lock bolts and tighten. Install the four clamp block lock bolts finger tight (Fig. 3).

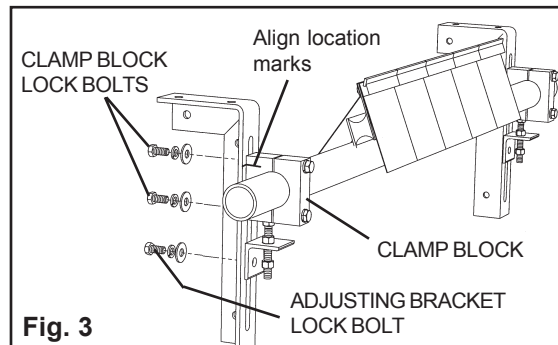


Fig. 3

### STEP 4. Set the blade tension.

Turn the top adjusting bolt jam nuts down until light tip to belt contact is made across the entire width of the cleaner. Add an additional 1½ turns on the top adjusting bolt jam nuts and lock the bottom adjusting bolt jam nuts. Tighten all clamp block lock bolts. NOTE: If the belt is cupped, do not overtension the blades to contact the belt. A hold-down roller should be installed to flatten the belt (Fig. 4a & 4b). (Try the Eliminator® Stabilizing Return Roller or Stabilizing Roller Bracket Kit.)

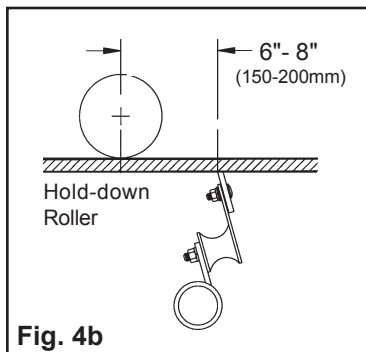
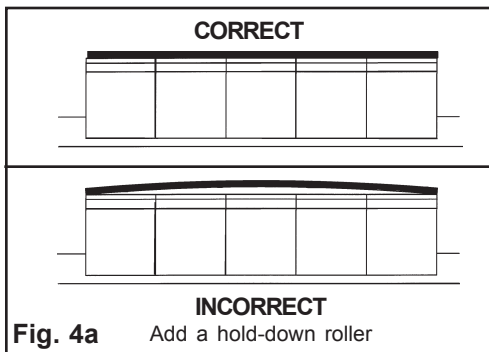


Fig. 4b

### STEP 5. Check the blade tip tension.

Pull back on the outer blade in the direction of belt travel until the blade breaks contact with the belt. Let go of the blade. With correct tension the full thickness of the adjacent blade tip should be visible in front of the outer blade (Fig. 5a and 5b). Also check the center blade in same manner. Add tension in 1/2-turn increments on the top adjusting bolt jam nuts until view of full thickness of the adjacent blade tip is achieved.

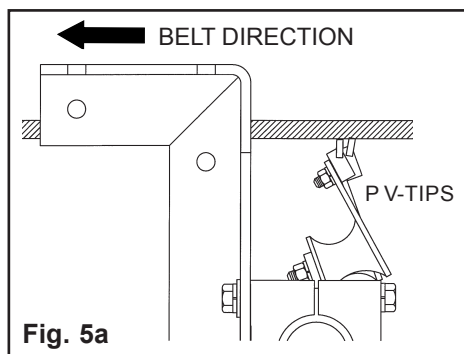


Fig. 5a

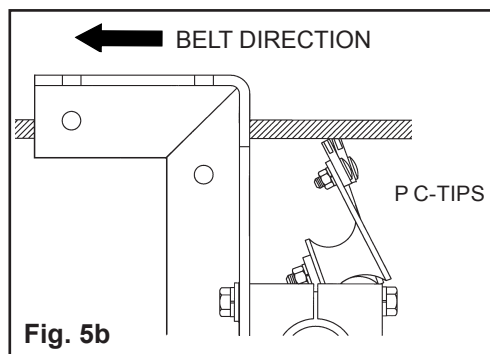


Fig. 5b

### STEP 6. Test run cleaner and inspect operation.

If vibration occurs, increase tip tension by making 1/2-turn adjustments.

## FLEXIBLE STEEL LACING COMPANY

2525 Wisconsin Avenue, Downers Grove, Illinois 60515

Phone: 1-630-971-0150 Fax: 1-630-971-1180

**BCP Help Line 1-800-253-8132**

**(for technical questions and information)**