

EZS2 Secondary Belt Cleaner

Installation, Operation and Maintenance Manual

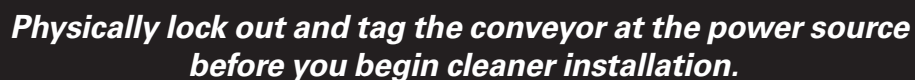


Pre-installation Checks and Options

Checklist

- Check that the cleaner size is correct for the beltline width
- Check the belt cleaner carton and make sure all the parts are included
- Review the “Tools Needed” list on the top of the installation instructions
- Check the conveyor site:
 - Will the cleaner be installed on a chute
 - Is the install on an open head pulley requiring mounting structure

EZS2 Secondary Belt Cleaner



- Tape measure
- (2) 3/4"(19mm) wrench or crescent wrench

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Fig. 1a

Diagram illustrating the correct and incorrect installation of a conveyor belt clamp block.

Left Diagram (Correct Installation): The belt direction is indicated by an arrow pointing left. The clamp block is labeled **LEFT Clamp Block**. The notch on the clamp block is visible from the outside of the conveyor.

Right Diagram (Incorrect Installation): The belt direction is indicated by an arrow pointing right. The clamp block is labeled **RIGHT Clamp Block**. The notch on the clamp block is visible from the inside of the conveyor.

Fig. 1b

Belt Direction

90°

7" (175mm)

Top Strap

Clamp Block

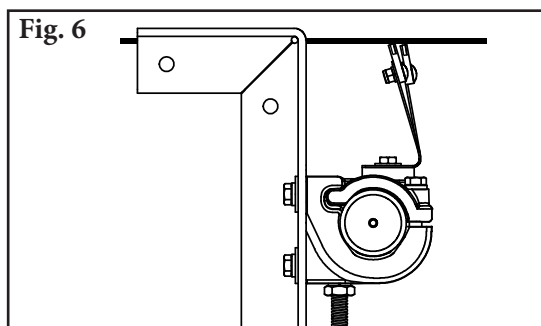
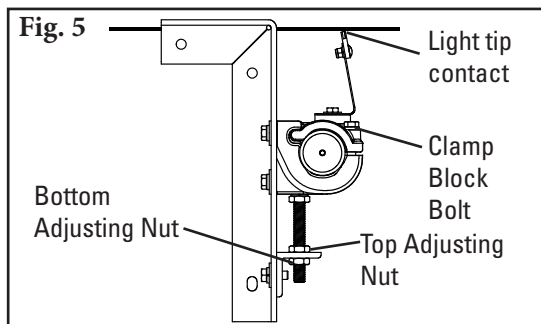
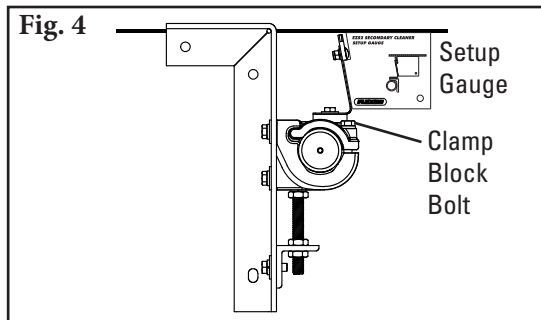
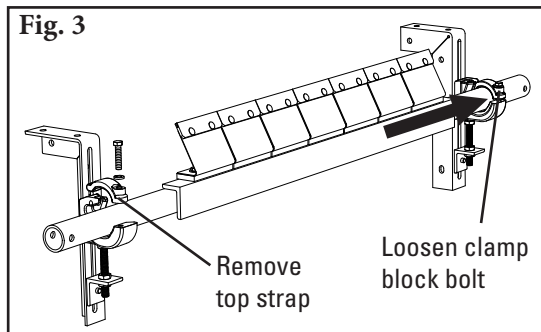
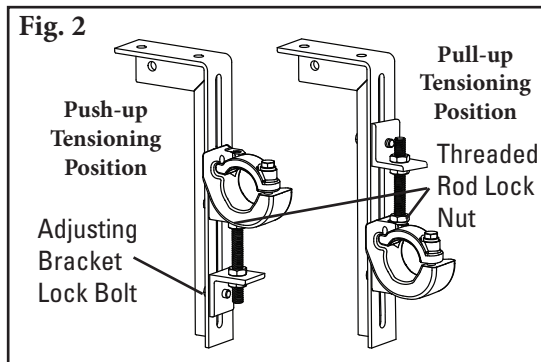
Clamp Block Lock Bolts

Adjusting Bracket Lock Bolt

Mounting Bracket

Installation Instructions

EZS2 Secondary Belt Cleaner (cont.)



- 2. Choose the tensioner position.** The tensioner is shipped mounted in the push-up position. Depending upon the space constraints of the installation, the tensioner can be optionally mounted in a pull-up position. To do this, loosen the threaded rod lock nut, unscrew the threaded rod and remove adjusting bracket lock bolt. Then move the adjusting bracket and threaded rod to the top of the clamp blocks (Fig. 2) and tighten threaded rod lock nut.
- 3. Install the pole.** Remove the clamp block top strap on one side, and on the opposite side loosen the clamp block bolt. Slide the pole across and into the loosened clamp block, replace the top strap on the clamp block, center the blades on the belt and tighten both clamp block bolts finger tight.
- 4. Set the blade angle.** With the gauge provided, rotate the pole so the blades are set at the correct angle. Lock the pole in place by tightening the clamp block bolts (Fig. 4).
- 5. Set the blade tension.** Loosen the 4 clamp block lock bolts (on the back of the mounting brackets) and turn the top adjusting jam nut on each side until the blades make light contact across the entire width of the belt. Make an additional 1 full turn on the adjusting nuts to tension the blades. Tighten the bottom adjusting nuts and the clamp block bolts (Fig. 5).
- 6. Check the blade tension.** Pull back on the outside blade until it breaks contact with the belt and release (Fig.6). If the blades are correctly tensioned, the complete tip of the adjacent blade will be visible. If it is not, make a tension adjustment as instructed in Step 5.

Test run the cleaner and inspect the performance. If vibration occurs, the pole can be rotated to lay the cushion/blade back another 5° to 10° and then the blades must be retensioned. If more cleaning efficiency is desired, the blade tension can be increased in 1/4 turns on the adjusting nuts (see Step 5).

Pre-Operation Checklist and Testing

Pre-Op Checklist

- Recheck that all fasteners are tightened properly
- Add pole caps
- Apply all supplied labels to the cleaner
- Check the blade location on the belt
- Be sure that all installation materials and tools have been removed from the belt and the conveyor area

Test Run the Conveyor

- Run the conveyor for at least 15 minutes and inspect the cleaning performance
- Check the tensioner spring for recommended length (proper tensioning)
- Make adjustments as necessary

NOTE: Observing the cleaner when it is running and performing properly will help to detect problems or when adjustments are needed later.

Visit our website or contact your local distributor to learn more.

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