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MODEL 33 EXTRA HEAVY DUTY CONVEYOR BELT CLEANER

WARNING:

DEATH or SERIOUS INJURY may occur.

Before installing or adjusting, shut down and physically lock-out the conveyor system.

1. For maximum cleaning effectiveness position cleaner at a point where the belt is flat and free from vibration. The best mounting position is several inches behind the head pulley at a point where the belt leaves the pulley. If this is not practical, the cleaner will clean effectively at any point where the belt is flat and free from vibration. To best assure this, mount a return idler on top of the belt, several inches in front of the point of blade/belt contact. This will both flatten the belt and prevent vibration. The spring arm holder (8) should be positioned so that it is parallel to the head pulley (if located under head pulley) and centered 4 ½" to 5 ½" below the belt.
2. We suggest you provide a generous access door for both inspection and service should the unit be installed in the area of a bin or discharge chute. (See sketch.)
3. Install either flange mounts (3A) or hanger mounts (1, 2, and 3), as you prefer, to locate the spring arm holder (8) in its correct position. Important: The blades (10) must be behind the spring arm holder. If properly positioned, the blades will lean back towards the direction of belt travel.
4. Make certain the drilled side of the spring arm holder faces the round hole in assembly retainers (5). The assembly retainers will vary depending on the conveyor belt width. For example: A 24" conveyor belt uses three arm assembly retainers and six spring arms (9) and six wiper blades.
5. Place short straight end of spring arms in holes located along length of spring arm holder. Slide tube (6) through arm assembly retainers and coils of spring arms. Spring arms are locked in place by putting hex head cap screws (16) through end holes in tube and tightening two hex nuts (18) to each.
6. Place collar (4) on each end of spring arm holder with smallest O.D. toward end of the tube. The spring assembly may now be placed into either the flange mounts or the hanger mount plates.
7. **CAUTION:** Do not allow the wiper blades to extend beyond belt edges, as belt damage may eventually occur. Also, do not use Model 33 Belt Cleaner on reversing belts as it may cause possible spring and belt damage.
8. Make certain collars are in place in either flange mounts or hanger mount plates. Tighten set screws (19) in collars. Place locking plate (21) on spring arm holder and up against the flange mount or hanger mount plate. Insert cap screw with lock washer (17) through arc in locking plate and screw into flange mount or hanger mount plate.
9. Pressure handle (7) may now be positioned on the spring arm holder. Tighten set screw in pressure handle after selecting desired position.
10. Any excess tube extending beyond the pressure handle may be cut off. Do not cut until positive belt cleaner is properly positioned.
11. Proper blade pressure against belt is applied by pushing down on pressure handle until satisfactory cleaning is obtained. Then tighten cap screw locking plate. Never use more pressure than is required to clean belt properly. Excess pressure will shorten wiper blade life.

Figure 1: Layout Dimensions

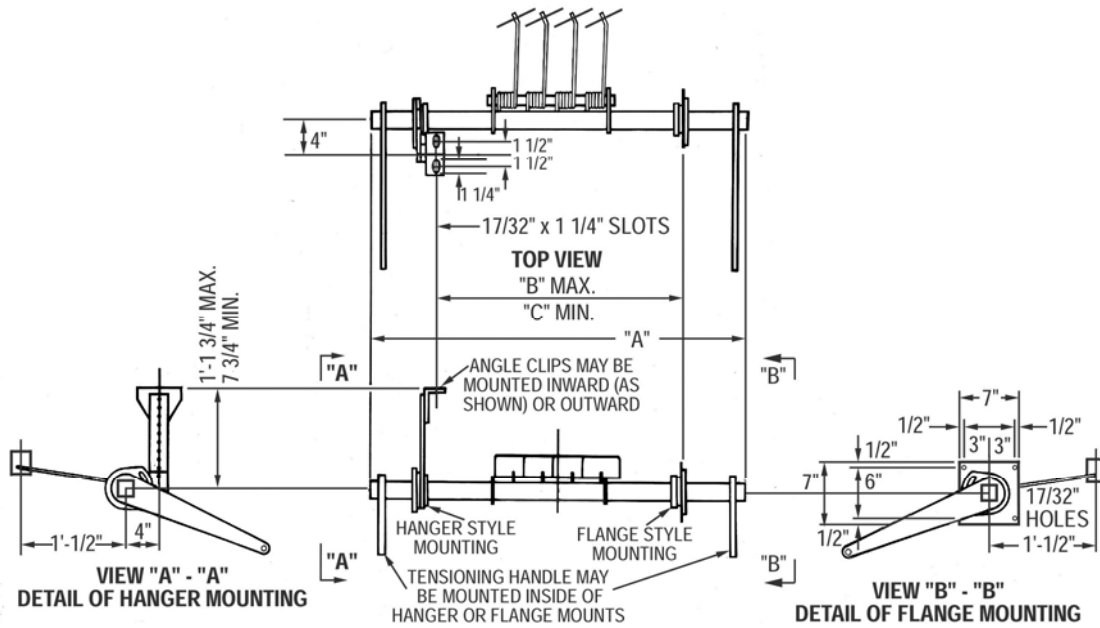


Figure 2: Parts and Side Layout View

