

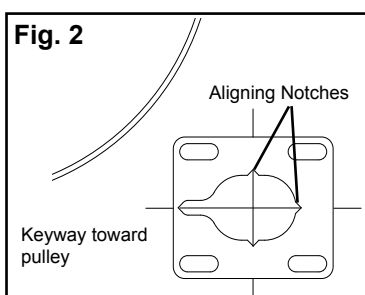
PHYSICALLY LOCK OUT AND TAG THE CONVEYOR AT THE POWER SOURCE BEFORE YOU BEGIN CLEANER INSTALLATION.

1. Locate the correct pole position. Measure and determine Dimension A (see instructions above). Find Dimension A on the Pole Location Chart at right and determine Dimensions X, Y and C. Measure out horizontally from the center of the pulley shaft Dim X and mark. From that mark, draw a long vertical line down, then measure and mark Dim Y. This indicates the location of the center of the cleaner pole. Measure and mark both sides. **NOTE:** If the location is obstructed, use Dim. C and move on an arc from the center of the pulley shaft to find an open position. Dim. C must remain constant to correctly locate the pole (see drawing above). **NOTE:** For open head installs, first add mounting support materials to the structure.

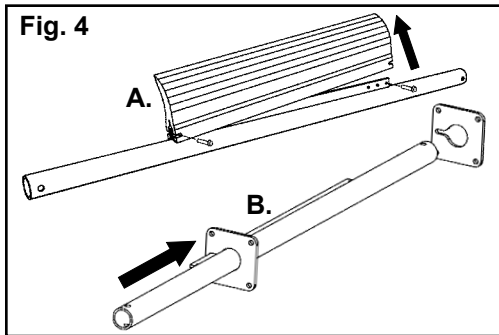
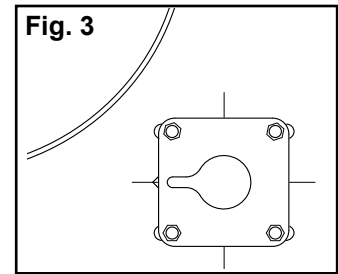
Pole Location Chart

A	X	Y	C
16"	7 1/8"	9"	11 1/2"
17"	7 7/8"	9"	12"
18"	8 1/4"	9"	12 1/4"
19"	9"	9"	12 3/4"
20"	9 3/8"	9"	13"
21"	10"	9"	13 1/2"
22"	10 3/4"	9"	14"
23"	11 3/8"	9"	14 1/2"
24"	12"	9"	15"
25"	12 5/8"	9"	15 1/2"
26"	13 1/4"	9"	16"
27"	13 7/8"	9"	16 1/2"
28"	14 3/8"	9"	17"
29"	15"	9"	17 1/2"
30"	15 5/8"	9"	18"
31"	16 1/8"	9"	18 1/2"
32"	16 3/4"	9"	19"
33"	17 1/4"	9"	19 1/2"
34"	17 7/8"	9"	20"
35"	18 3/8"	9"	20 1/2"
36"	19"	9"	21"
37"	19 1/2"	9"	21 1/2"
38"	20"	9"	22"
39"	20 5/8"	9"	22 1/2"
40"	21 1/8"	9"	23"
41"	21 3/4"	9"	23 1/2"
42"	22 1/4"	9"	24"

2. Mark and cut the mounting plate holes. Using the mounting plate template provided in the instruction packet, position the large pole access hole on the chute, aligning the hole notches with the layout lines. Position the keyway toward the pulley. Trace the pole cutout and mounting holes (Fig. 2). Cut the holes on both sides of the chute. **NOTE:** Hole cutouts are slotted for later adjustment if needed.

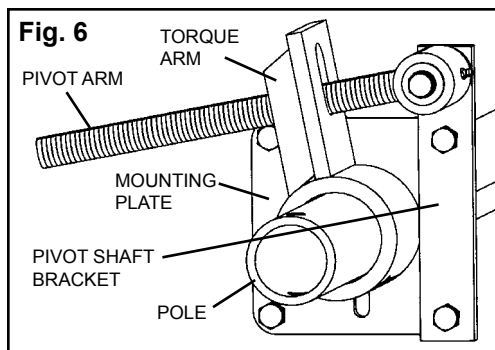
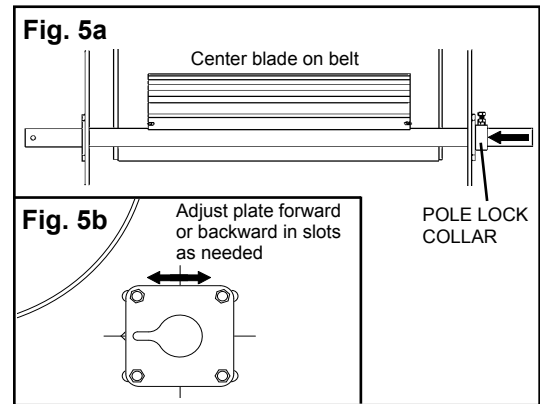


3. **Install the mounting plates.** Bolt the mounting plates to the chute with bolts provided. Center plates on the slotted holes and tighten bolts (Fig. 3).



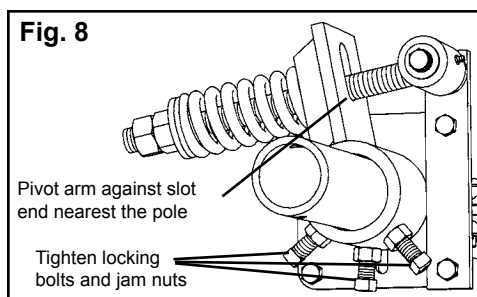
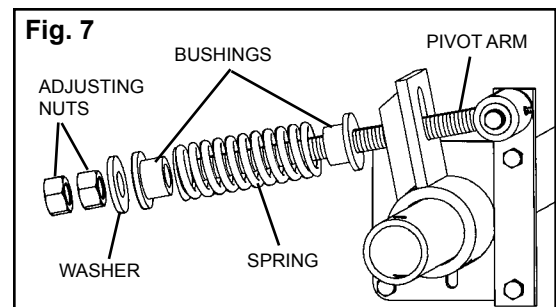
4. **Install the pole.** Remove both blade pins and blade from the pole and insert the pole in through the mounting plates (Fig. 4).

5. **Center the cleaner on the belt and lock in place.** Reinstall the blade with both blade pins. Center the blade on the belt and install the pole lock collar onto the pole (on the end opposite the end to be used for the tensioner), snugly up to the mounting plate (Fig. 5a). Rotate the blade up to the belt and check to insure that the blade is square to the pulley face. If not, loosen a mounting plate on one side and adjust the plate forward or backward to square the blade to the pulley, and retighten the bolts (Fig. 5b).



6. **Install the QMT spring tensioner.** Remove the adjusting nuts and springs from the pivot rod. Insert the pivot arm through the slot in the torque arm. Slide the torque arm onto the pole end (be sure the rotation of the arm is correct to tension the blade) and rotate it until the pivot shaft bracket lines up with the desired bolt holes (Fig. 6). Remove bolts, nuts and washers from mounting plate and reinstall through pivot shaft bracket and mounting plate.

7. **Reassemble the spring assembly.** Slide the spring, washer and bushings onto the pivot arm and turn the two adjusting nuts so about 1/4" of the pivot arm is exposed above the nuts (Fig. 7).



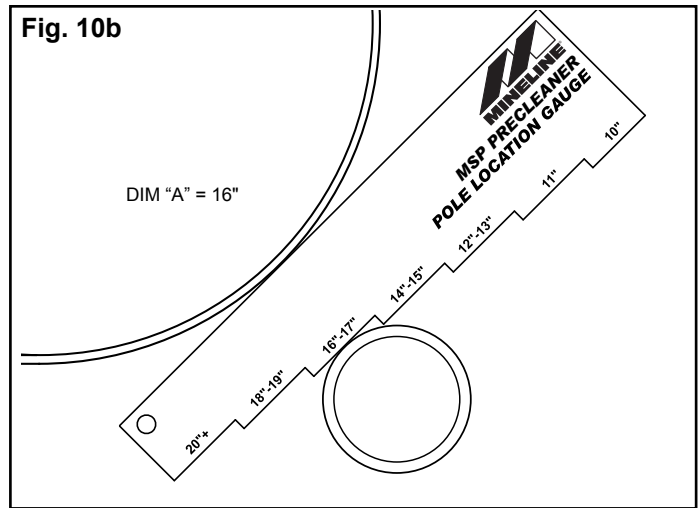
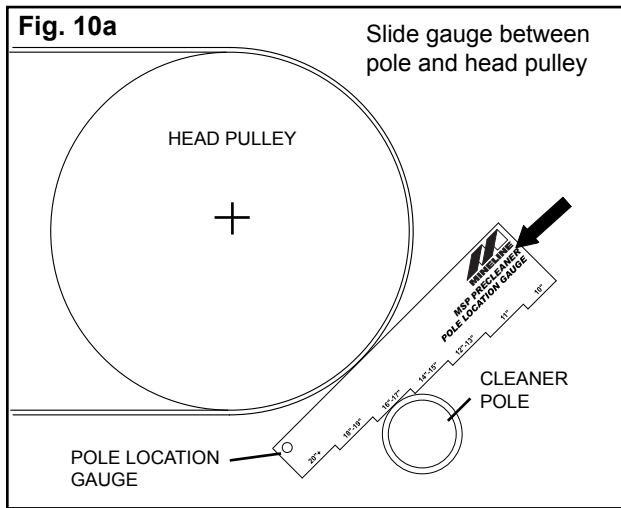
8. **Tension the blade to the belt.** Rotate the blade until it contacts the belt. While holding the spring bushing flat on the torque arm, rotate the torque arm until the pivot arm is against the end of the slot nearest the pole. Tighten the locking bolts and jam nuts on the torque arm (Fig. 8). NOTE: The torque arm should be up against the mounting plate.

9. **Set the correct blade tension.** Refer to the chart on the pivot shaft bracket for the spring length required for the belt width. Lightly pull the pivot arm toward the end of the torque slot nearest the pole and turn the adjusting nuts until the required spring length is achieved (Fig. 9).

Fig. 9

SPRING LENGTH CHART			
BLADE WIDTH	PURPLE SPRING	WHITE SPRING	GOLD SPRING
16"	5 1/4"	6 1/4"	N/A
22"	4 3/4"	6 1/8"	N/A
28"	4 1/8"	5 7/8"	N/A
34"	N/A	5 3/4"	6 1/8"
40"	N/A	5 5/8"	6 1/8"
46"	N/A	5 1/2"	6"
52"	N/A	5 3/8"	5 7/8"
58"	N/A	5 1/8"	5 7/8"
64"	N/A	5"	5 3/4"
70"	N/A	4 7/8"	5 5/8"
76"	N/A	N/A	5 5/8"
82"	N/A	N/A	5 1/2"

10. **Confirm correct pole location.** After the cleaner is installed, slide the Pole Location Gauge (provided in the instruction packet) between the cleaner pole and the pulley, until it stops at a step (Fig. 8a). Read the flat area where the pole is resting (Fig. 8b). This diameter should be equal to Dim A used in Step 1. NOTE: If the diameter reading on the Pole Location Gauge does not read the same as in Step 1, check the "C" dimension and correct accordingly.



Test run the cleaner. Run the conveyor for at least 15 minutes and inspect the cleaning performance. Check the spring length for proper tensioning. Make adjustments as necessary.



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 U.S. Patent No. D482 508S. 06/08. For Reorder: X1324

