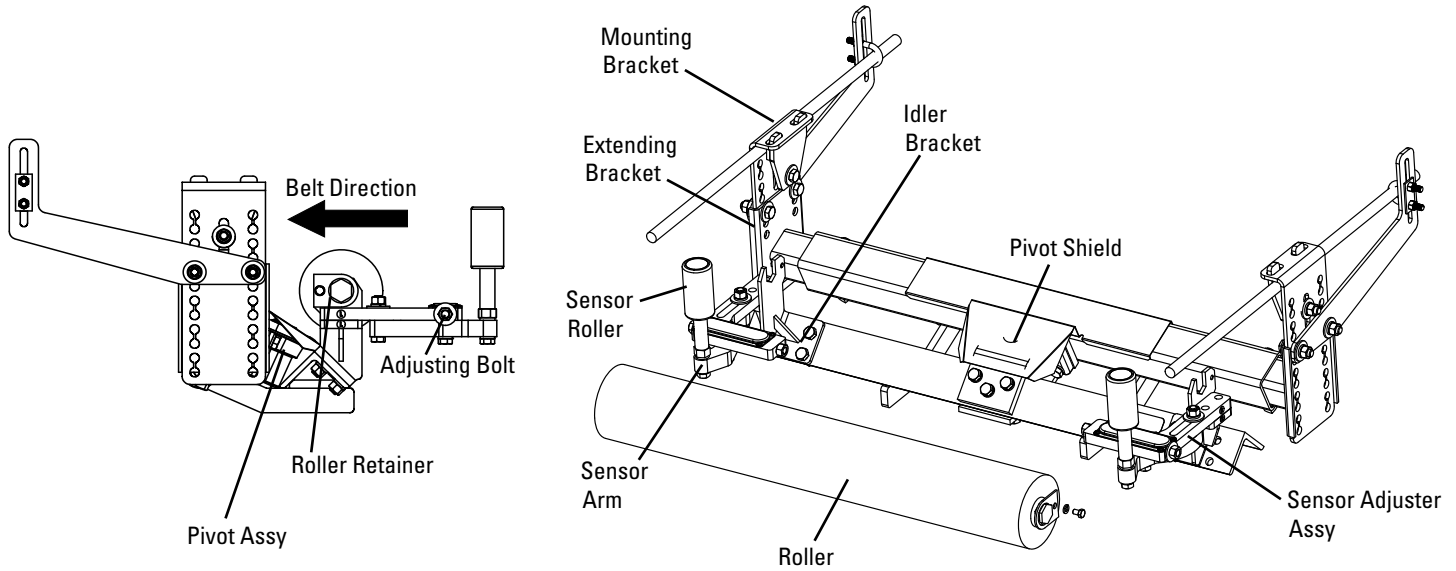


# Installation Instructions - PT Smart™ for Wire Rope Structure

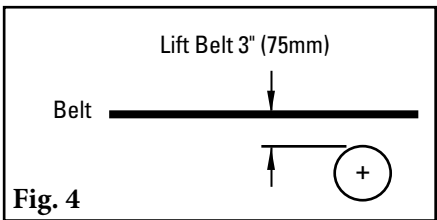
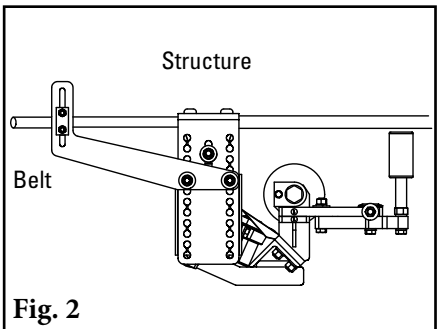
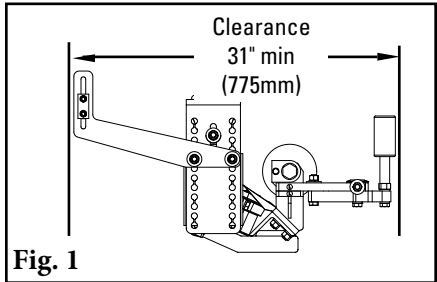


**Physically lock out and tag the conveyor at the power source before you begin cleaner installation.**

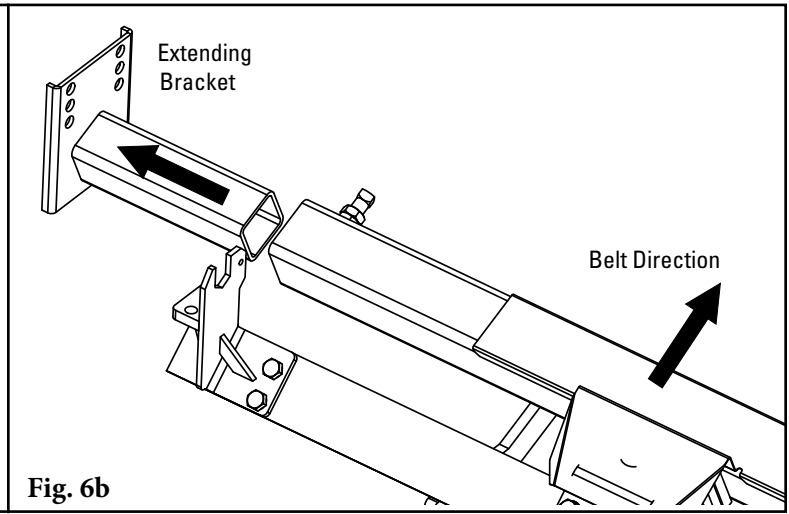
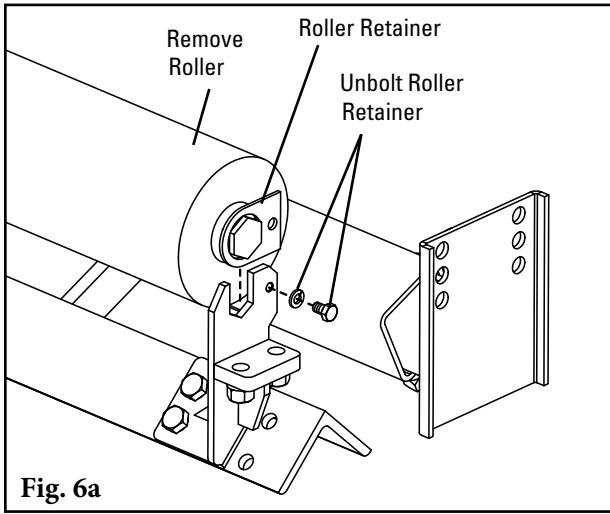
**CAUTION: Components may be heavy. Use safety-approved lifting procedures.**

- Tools Needed:**
- Tape measure
  - Cutting torch
  - 3/4" wrench
  - Come-alongs (2) (3/4 ton min.)
  - 9/16" wrench
  - Any necessary equipment for moving and lifting heavy components
  - Medium or large adjustable wrench

1. **Prepare the conveyor site:**
  - Identify the point(s) of mistracking, expecting 120' - 150' (36-45M) of downstream influence.
  - Position the unit 20' (66M) after the start of the mistracking.
  - Identify an opening of at least 31" (775mm) if possible to avoid interference with sensor rollers during installation (Fig. 1).
  - Remove old tracking devices.
2. **Position mounting brackets.** May be mounted at existing idler bracket mounts if structure width is +18" (450mm) or less. Be sure belt passes between top and bottom mounting holes (Fig 2).
3. **Install mounting brackets.** Measure from a fixed location on both sides to ensure alignment.
4. **Lift the belt** approximately 3" (75mm) where the trainer will be installed (Fig. 4).
5. **Remove existing idler** (if there is one in the location).

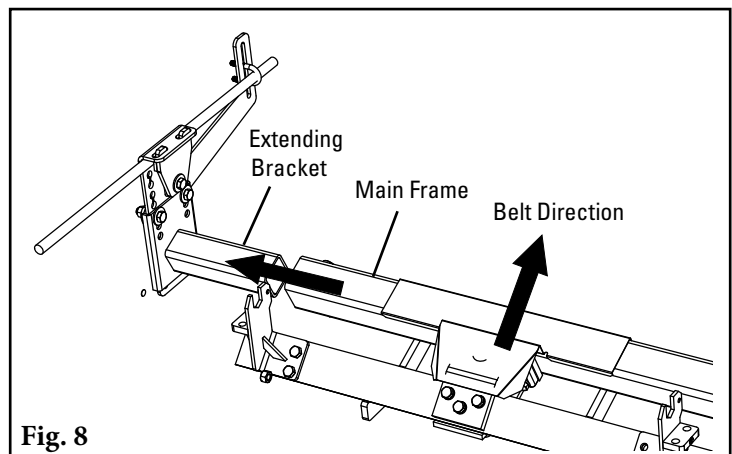
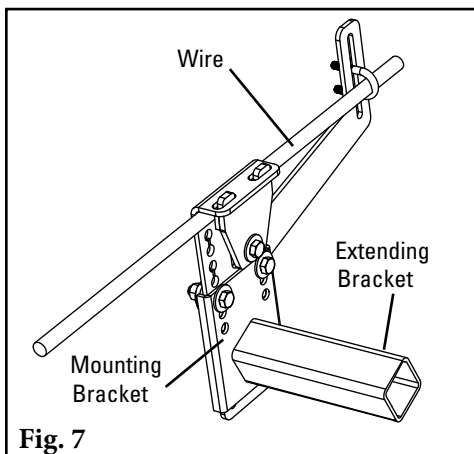


6. **Remove Roller** by unbolting Roller Retainer (Fig. 6a). Determine orientation of trainer and remove far side Extending Bracket (Fig. 6b).

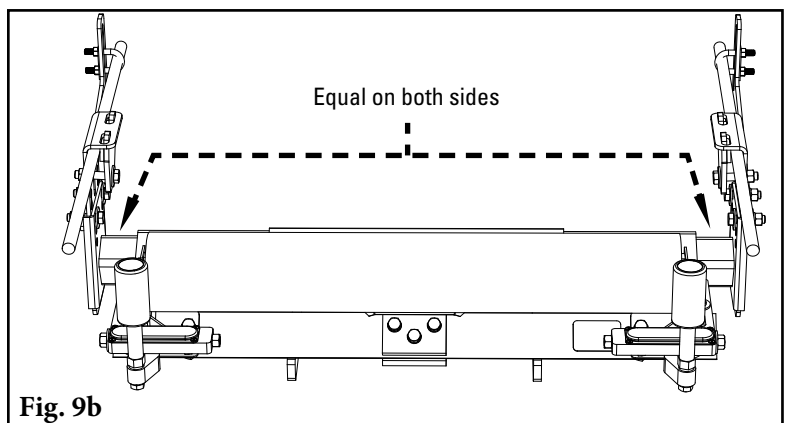
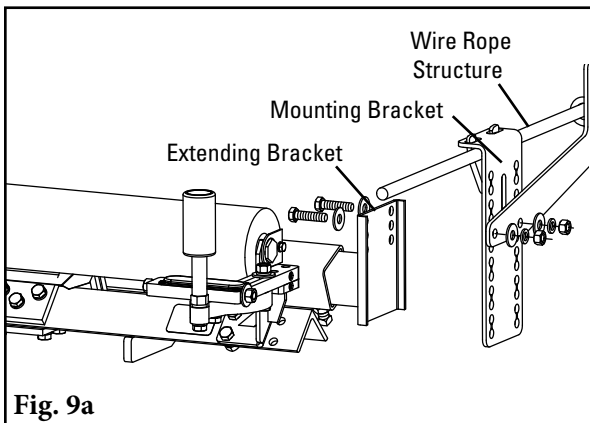


7. **Attach Extending Bracket and wire rope kit** to mounting bracket already installed on far side of conveyor (Fig. 7). Finger-tighten bolts for future adjustment. Top bolt holes should be even with the normal height of the belt.

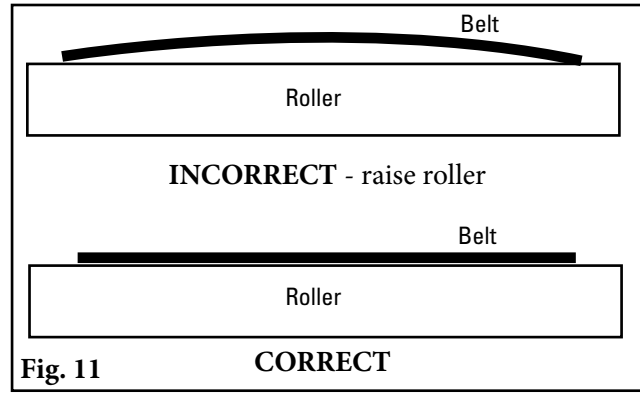
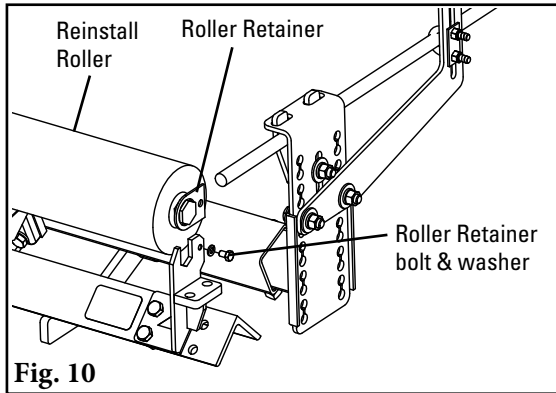
8. **Slide the far end of main frame** onto the extending bracket assembled in Step 7 (Fig. 8).



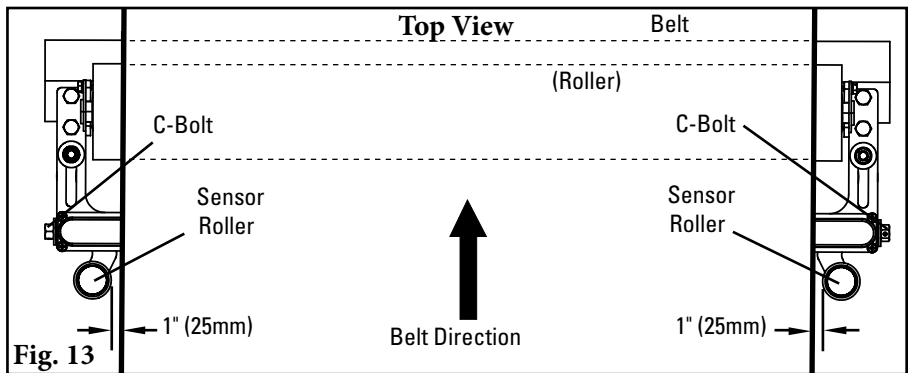
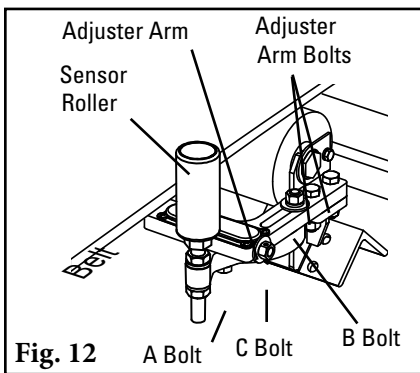
9. **Lift near end of main frame** and attach extending bracket and wire rope kit to mounting bracket (Fig. 9a). Ensure main frame is centered on the Extending Brackets (equal length of extenders showing on both sides) (Fig. 9b).



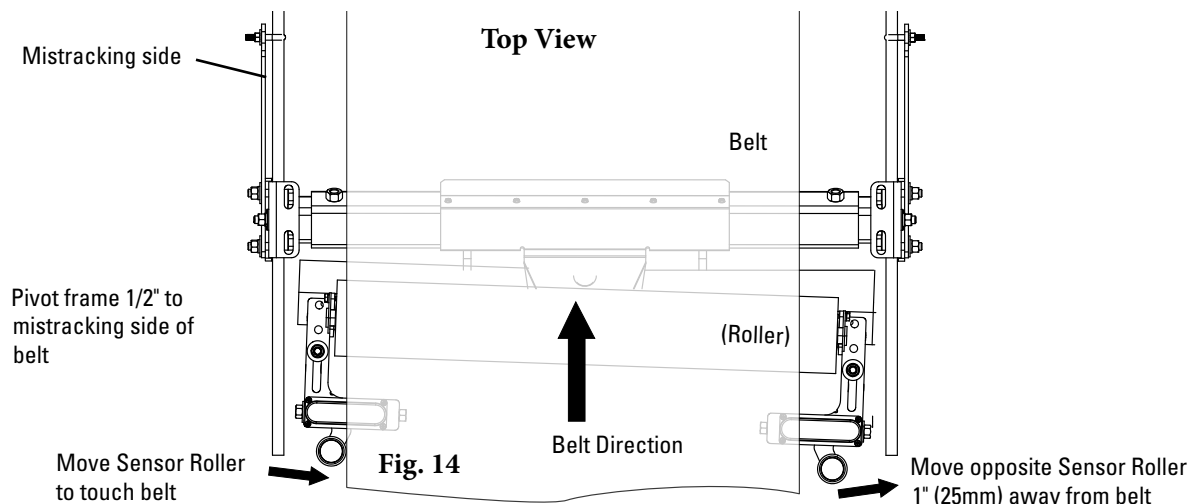
- Reinstall roller** and re-bolt roller retainer (Fig. 10). Level the trainer to the belt using the U-Bolts/slots on wire rope kit and tighten in place.
- Lower the belt.** Ensure belt completely contacts roller. Raise extending brackets and wire rope kit one hole if there is not good contact (Fig. 9). Tighten all bolts.



- Install sensor adjuster assemblies using included bolts.** Ensure left and right assemblies are installed on the correct sides.



- Adjust sensor rollers** so they are 1" (25mm) from the belt on each side. Adjust by loosening "A" and "B" bolts (shown in Fig. 12), then turning the "C" bolts (Fig. 13).
- Pivot the frame 1/2" to the side it is mistracking.** Bring sensor roller in until it touches the belt. Move opposite sensor roller out to 1" (25mm) from the belt (Fig 14). Tighten all bolts.





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