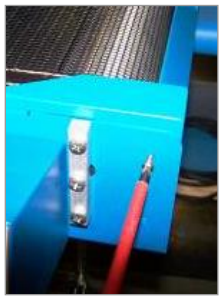
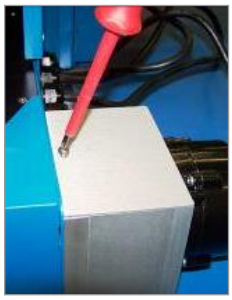
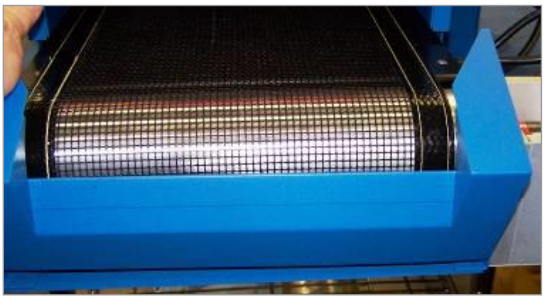
UVCS Conveyor Belt Change Instructions

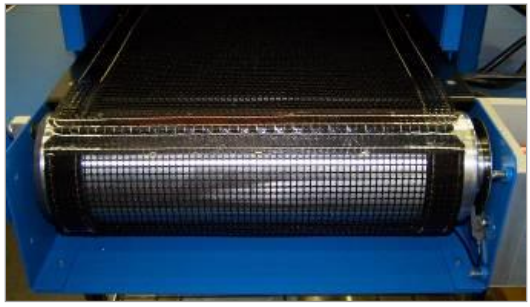
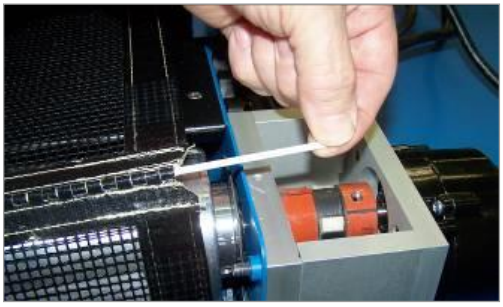
1. Remove the pinch guard from the motor side of the conveyor by removing the two M4x8 screws on the front side of the conveyor and the M4x25 screw from the motor drive side of the conveyor. Remove the motor box cover to obtain access to the M4x25 screw.



2. Remove all tension from the belt by turning the belt adjustment knobs counterclockwise as shown.

3. Manually move the belt splice to the end of the conveyor. Remove the fiberglass rod that ties the ends of the belt together. Remove the belt.

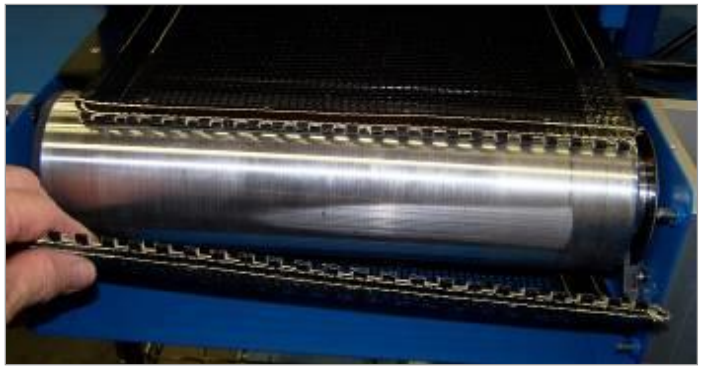



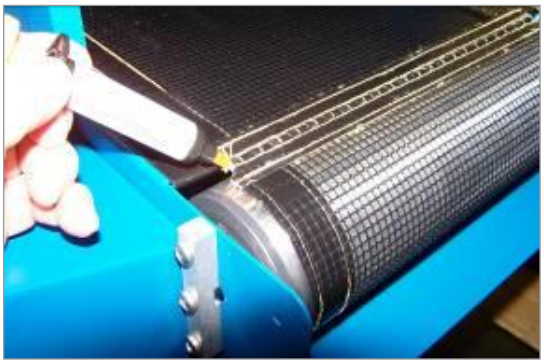
4. Unroll the new belt. It is very important to flatten out the end of the belt that will be inserted into the conveyor prior to the installation. Failure to flatten the belt will allow for the belt to curl up and over the wiring conduit located beneath the conveyor bed, resulting in damage to the belt and/or the conveyor wiring. Run the new belt around the conveyor frame.

5. Install the fiberglass splice rod through the belt loops.

6. Tighten the belt tension knobs finger tight to remove excess slack from the belt. The belt should be loose enough to be moved across the two rollers by hand when the conveyor is not running. Look beneath the conveyor bed to confirm the belt has not curled over the wiring conduit. If it has, remove the belt, flatten out the end of the belt and reinstall.

7. Apply some adhesive to both ends of the fiberglass rod to prevent it from moving during conveyor operation



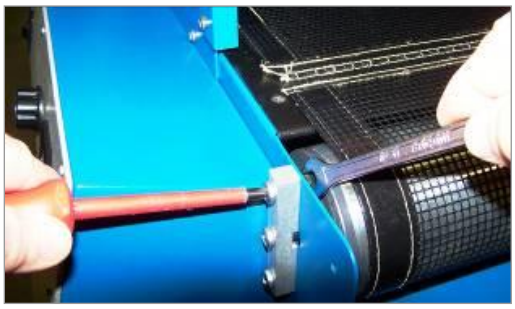
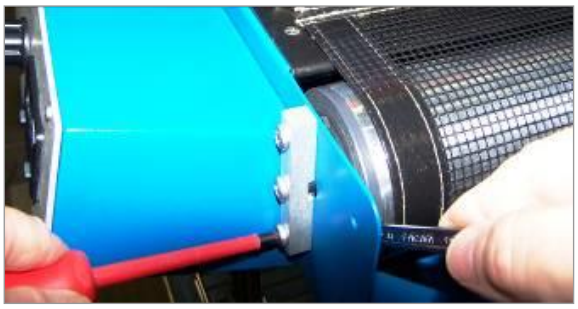


8. ***CAUTION:*** ***Excessive tightening of the belt will result in early belt failure.*** Since the two conveyor rollers have a crown in the middle, only minimum tightening is necessary.

9. Start the conveyor and adjust the belt tensioning knobs until the belt runs in the center of the loading end. The belt should be able to be stopped by hand when the conveyor is running. If stopping the belt stalls the conveyor motor the belt is too tight and must be loosened.

10. When the belt runs in the center of the loading end, observe belt position at the motor end. If the belt runs to far to one side on the motor end, adjust the motor pulley as follows:

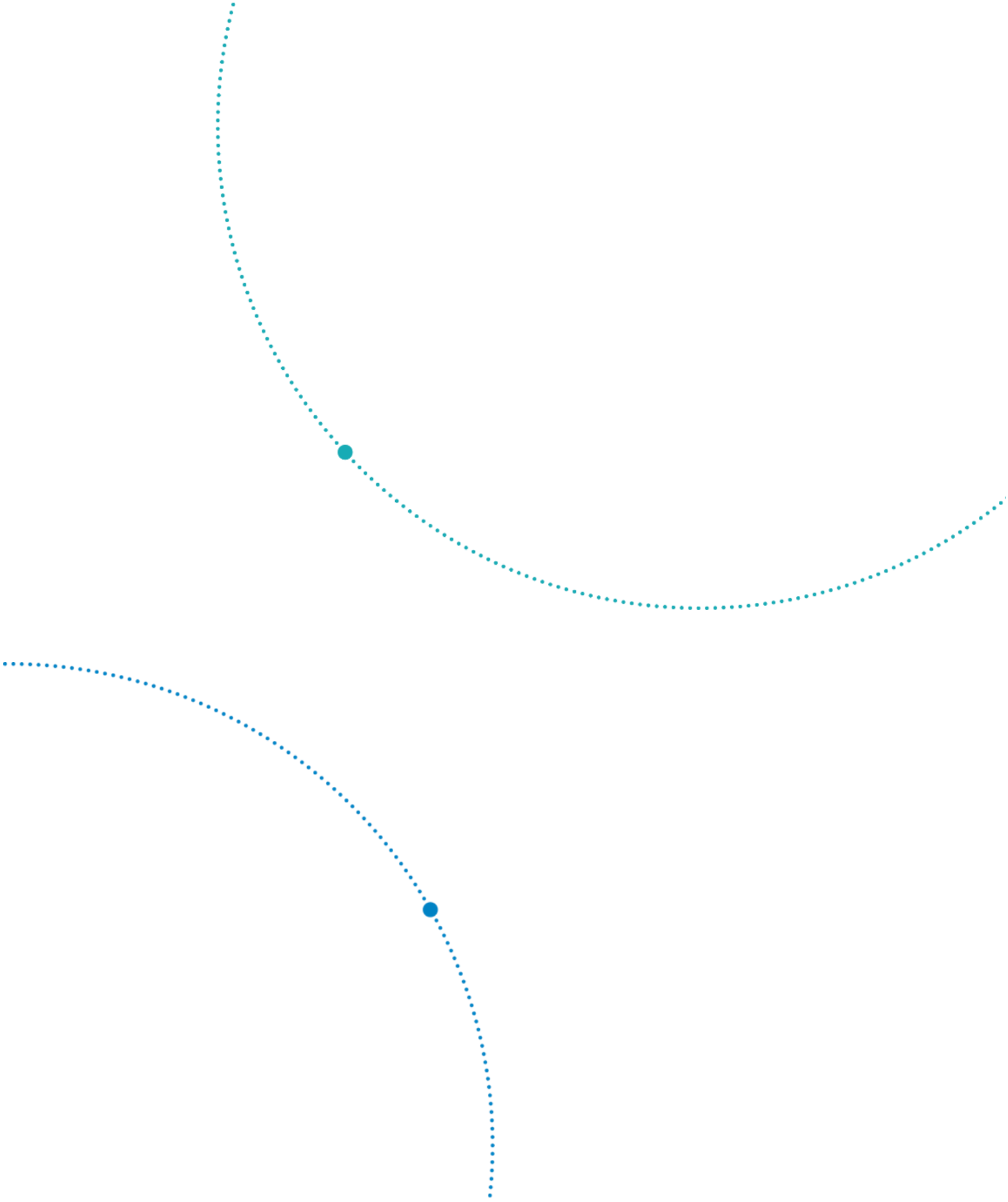
    - Turn the conveyor off.
    - Remove belt tension by loosening the two tensioning knobs.
    - Loosen the two-drive roller shaft support fasteners located on the front of the conveyor frame enough to slightly move the shaft assembly.

    - Move the shaft assembly slightly to realign the drive roller and center the belt. Tighten the bolts when adjustment is complete.

    - Turn the conveyor on and adjust the belt tension knobs until the belt is properly tightened. Make sure that the belt runs in the center of the conveyor on both the loading and unloading end. Repeat this step as necessary to align the belt.

    - Reinstall the pinch guards on both ends of the conveyor. This step is critical to belt speed sensor operation. The pinch guard on the unloading side of the conveyor contains a shield for the speed sensor to prevent damage if the belt contacts it while operating.



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