

3.3 CONVEYOR WIRE BELT TENSION ADJUSTMENT

1. Turn the Power Off to disable system power.
2. Place the index finger of each hand behind the belt at a point midway in the vertical travel of the wire belt. This can be done at either the entrance or exit end of the conveyor.



Entrance Conveyor



Exit Conveyor

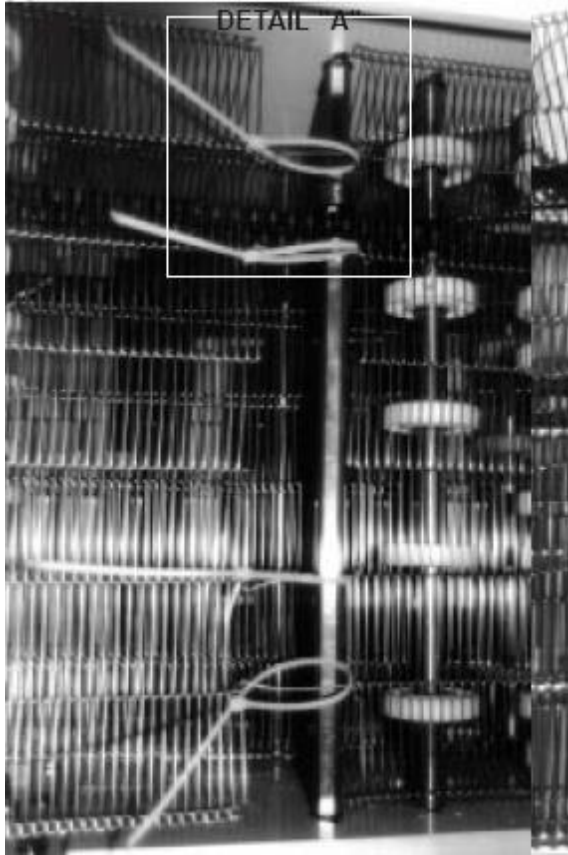
3. Pull outward with moderate force. The belt should not extend more than 3.8 cm (1 1/2 in.) from its relaxed state.
4. If belt slack is excessive, remove links as necessary by bending the "U" at each side of the link and weaving the link out of the wire belt. Remove as many links as necessary to obtain the correct wire belt tension.

Follow the Wire Belt Connecting Link Replacement Procedure in this section of the manual to reconnect the wire belt.

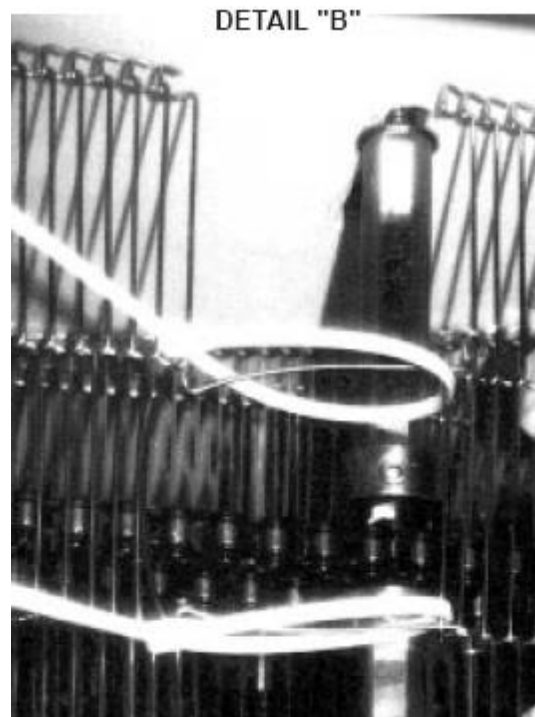
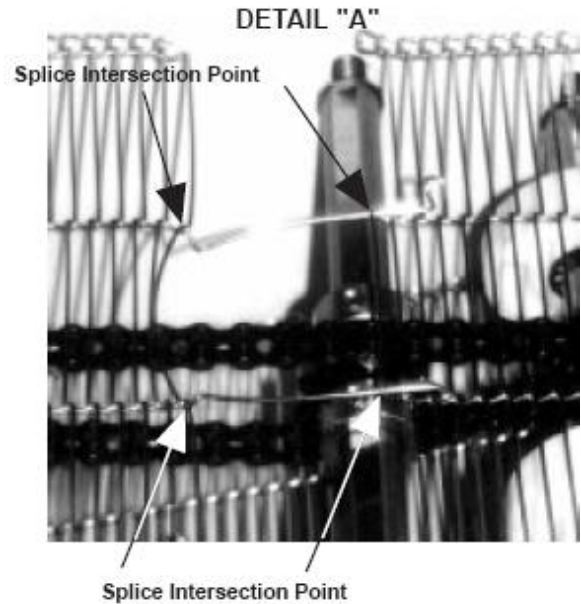
5. Recheck the wire belt for correct tension

3.4 WIRE BELT CONNECTING LINK REPLACEMENT PROCEDURE

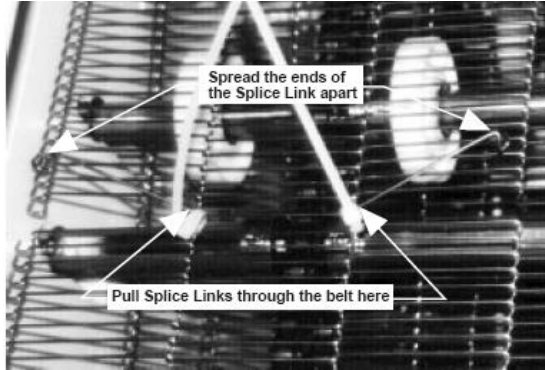
1. Install the wire belt splicing links as depicted (in a "U" shape) in photograph 1, ensuring that the loop ends of the splice links are in the same direction as the wire belt loops.



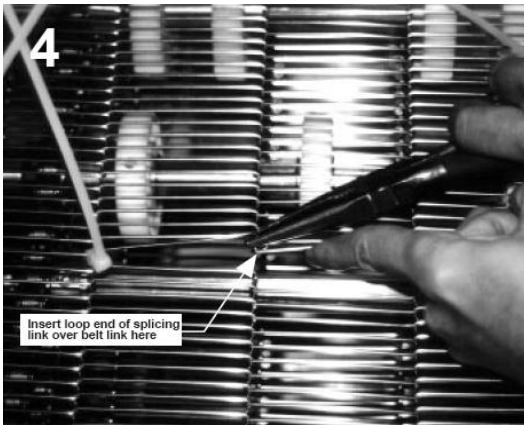
2. Once both splicing links are in place, positioned in the "U" shape, pan tie the opposing ends of the wire belt together as depicted in photograph 2, to keep them from slipping apart while completing the wire belt splice.



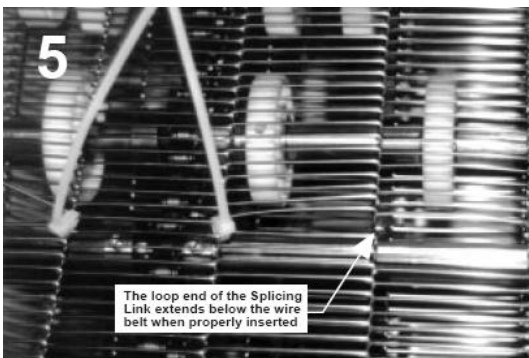
3. Tighten the pan ties to bring either end of the wire belt closer together until both ends meet, then pull the ends of the splice links through the links of the wire belt and spread the splice link ends apart.



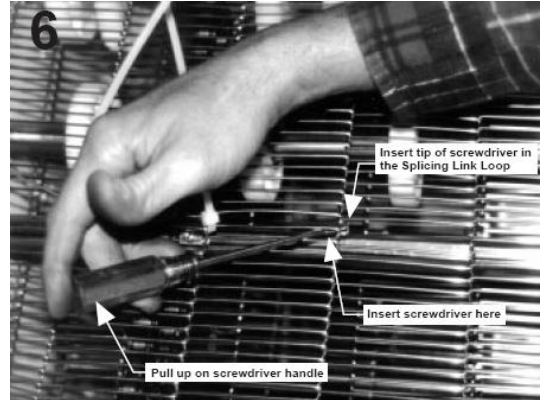
4. Using a pair of needle nose pliers, grasp one (1) end of the splicing link and insert the loop end over the belt link being spliced. See #4.



5. When the loop end of the splicing link is properly inserted, the loop end of the splicing link extends below the wire belt as depicted in photograph 5.

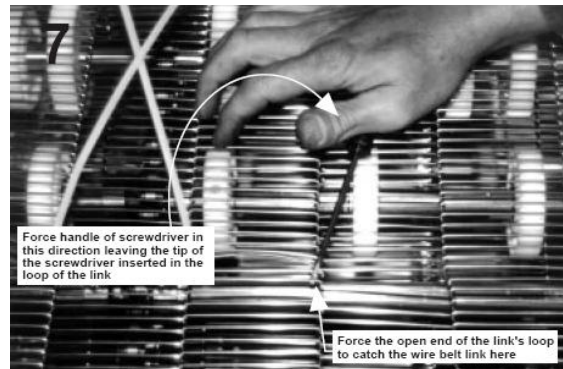


6. Using a small flat head screwdriver, as shown in photograph 6, insert the screwdriver under the wire belt link, opposite the side already looped and insert the tip of the screwdriver into the splicing link loop, applying a downward pressure on the loop by pulling upwards on the screwdriver handle.

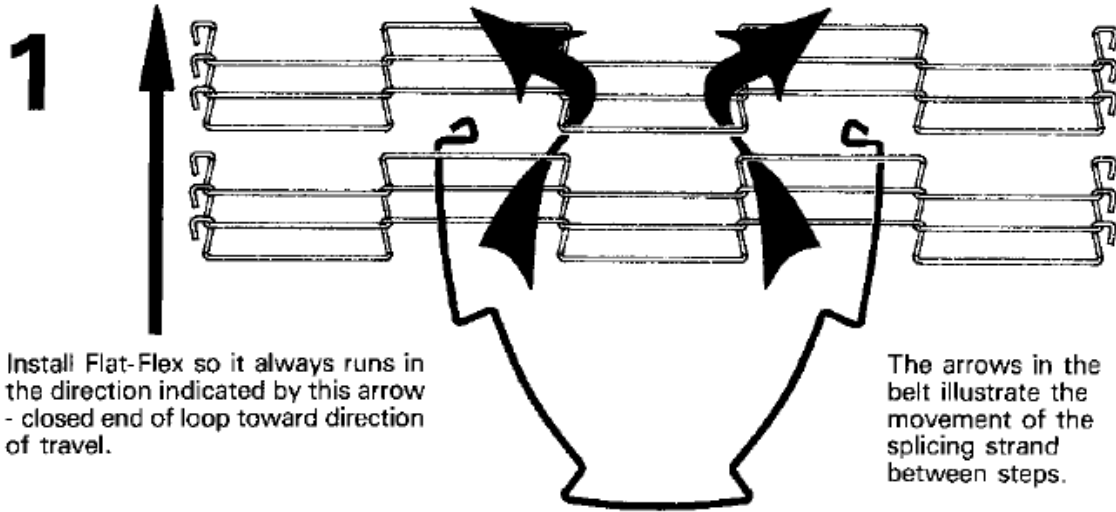


7. To complete the splice on one (1) end of the splicing link, while still applying pressure on the handle of the screwdriver with the tip of the screwdriver inserted in the link's loop, force the handle of the screwdriver over in the opposite direction to force the open end of the loop on the splicing link to catch the wire belt link that the screwdriver was inserted through in photograph 6.

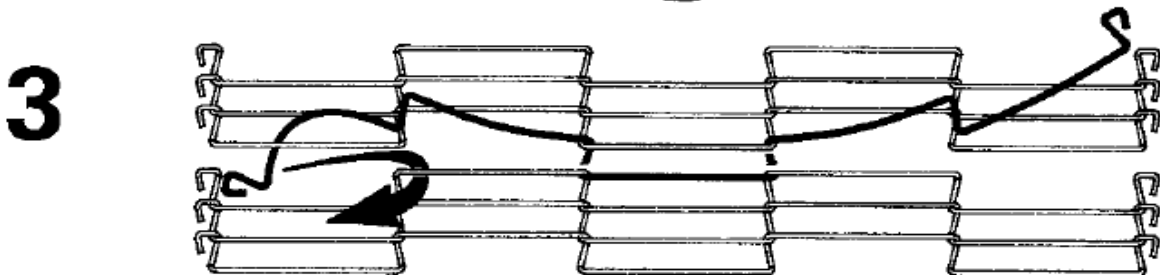
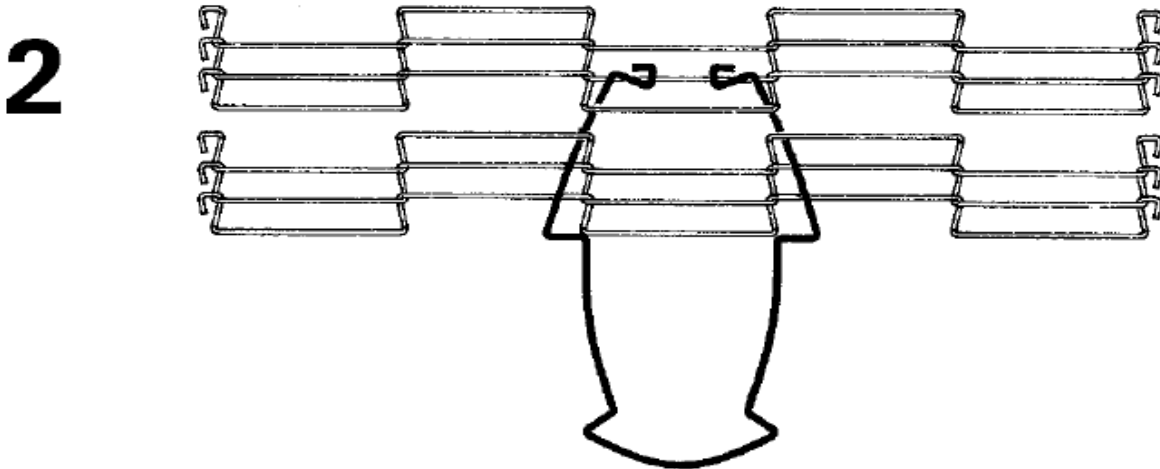
8. Repeat the steps outlined in photographs 4 through 7 to connect the opposite end of the splicing link and both ends of the remaining splicing link.



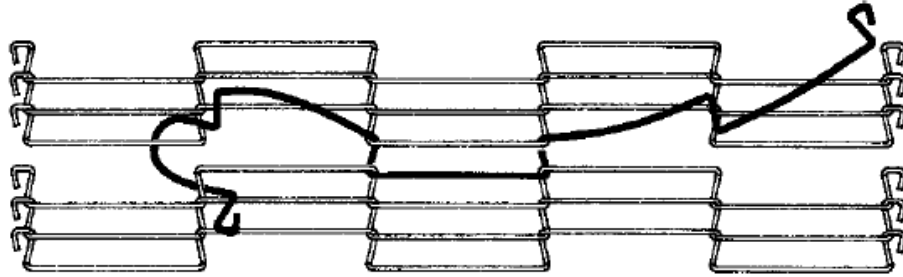
Refer to the Wire Belt Connecting Link weaving instructions that follow for more details on installing the Wire Belt Connecting Links.



When bending the splicing strand, try to limit bending to straight portions of the strand rather than in the "Z" bend area.

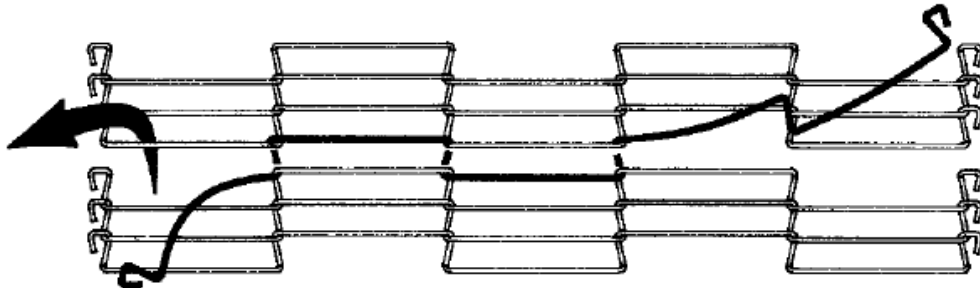


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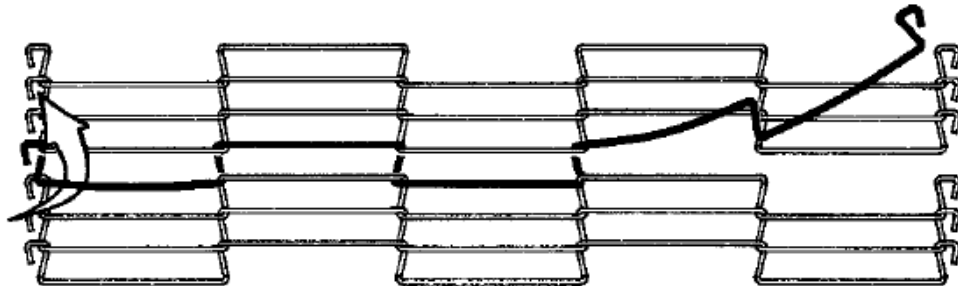


Splice one side completely before starting the other side.

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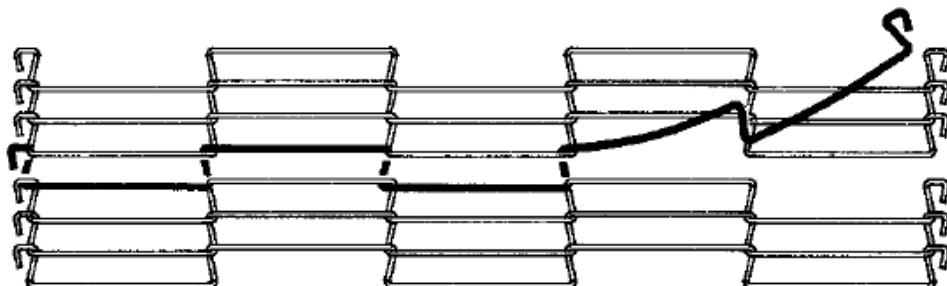


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After completely splicing the belt, it is advisable to go along the width of the belt straightening the spliced-in strand.

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