CONVEYOR ACCESSORIES

**BELT FASTENERS & TOOLS**

RIV-NAIL

Technical Bulletin

Bulletin #1008

FCT Splicing Instructions

1. Be sure to wear the proper personal safety equipment required when making a belt splice.

2. Once the belt is spotted in the desired location, be sure to lock and tag out the power to the unit.

3. Mark and cut the belt as square as possible.

4. For visual reference, using a belt marking pen, crayon, or chalk, mark on the belt where the Kevlar® is located. This will help orientation of the belt on the application tool later in the process. *Note that the Kevlar® may NOT be located in the exact center of the belt*.

5. Take one half of the CAI belt splice, RC-6-42, and position it on one side of the FCT belt, making sure it is centered. DO NOT SPREAD THE CLIPS APART. Rather, starting at one end, gently tap the splice onto the belt using a hammer, until the belt is up against the stops. Then, hammer the clips down onto the belt to keep it from slipping out of the clips.

6. The CAI application tool, RNAT-48-MDA1-FCT, has two rods. The larger pin is used when setting the rivets. The smaller pin is used for pre-drilling the Kevlar® section of the belt for the rivets.

7. After removing the two rods, position the splice onto the application tool, making certain that the clips around the Kevlar® section of the belt align with the template holes beneath. Use the R-STOP to correctly position the belt on the application tool. Insert the smaller diameter rod back through the guides and the splice loops.

8. Position the drill guide, R-DG, over the Kevlar® section of the belt. Using the specially made bit, R-BIT, drill a hole into the belt through the twenty guide holes. The collar on the bit is made to stop just short of passing all the way through the belt, so as to not damage the rivet sets on the application tool.

9. After all the holes are drilled, set the center rivet in the two predrilled holes on the two outside clips over the Kevlar® section of the belt to prevent it from moving. When those
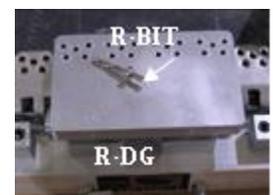
rivets are set, remove the small pin, and insert the large pin. The splice is now ready for the rest of the rivets to be set.