



## **Technical Bulletin – Plastic Edge Guide (Tail)**

**December 14, 2006**

A condition may arise with Magic Carpet® ski lifts that when the conveyor belt misstracks to one side, the plastic guide block mounted on the load end belt feed plate may snag the splice. This could possibly damage the splice, the belt or both.

This plastic guide block has a sharp edge where the belt feeds from the tail rollers onto the slider surface. The leading edge is very sharp, capable of some damage. These plastic guide blocks should be changed out.

The two furnished guide blocks (with fasteners) have a radius surface. When installed, the belt is guided onto the slider deck with less potential for snagging the splice.

The old plastic guide blocks on the tail section should be removed and discarded. These new blocks should be installed in their place, paying attention that the radius edge faces the belt as it enters the feed plate area. The plastic guide block may need some trimming to fit in this tight tolerance space.

While this modification is being made, it is a good time to also inspect the rubber lagged snub pulley for tightness of connections and “squareness” to the frame. Also verify that the belt is being fed onto the feed plate in a smooth, straight path with no acute angle in the belt path as it slides over the feed plate. If the belt is pushing hard into the feed plate slider plastic, we recommend that either washers or shims be used to elevate the pillow block bearings. The goal is for the belt to have a smooth transition around the pulley and onto the belt feed plate.