



TECHNICAL BULLETIN

February 5, 1999

Several ski areas have reported that the belt used on the Boardwalk™ ski lift has been impregnated with a snow and ice buildup that causes skiers to slide backward on the belt surface more than desired. Recently we tested a brush system to clean the belt on a Boardwalk™ application. We recommend that the following modification be performed if belt buildup of snow and ice is a problem.

We are sending you a brush, shaft and (2) bearings at no cost. The following instructions are to aid your mechanics in the assembly of this brush system.

GENERAL DESCRIPTION:

A non-powered brush with aggressive bristles is to be mounted below the Relief Plate and above the fixed belt scraper. This brush is supported on a 1" diameter through shaft with outboard mounted pillow block bearings, allowing the brush/shaft to revolve continuously against the belt. (See accompanying drawing).

The brush is to be installed first, barely touching the belt. Then, using the adjusting screws, advance the brush another 1/16" to 1/8" (maximum) against the belt. Do not jam the brush any harder into the belt as brush and belt damage will result. Make sure all set screws are fully tightened.

NOTE: The brush will not immediately clean the belt. The continuous brushing action will gradually remove the snow and ice buildup in the pores of the belt after the belt has gone through the brush 10-12 times, with a noticeable improvement in the belt surface traction after each pass.

Areas still need to shovel off loose snow and ice each time prior to Boardwalk™ start-up. If a cover is placed on the drive section after shut-down, enough heat will remain in the drive section to melt any snow or ice left in the snow melt tray.

If it is felt that more heat needs to be in the snow melt tray, the heat level can be easily doubled. There is a backing plate of steel below the heater element which can be loosened, then an insulating material can be inserted between this steel plate and the heating pad. This will concentrate the heat in the snow melt tray. Keep in mind that the insulating material should not absorb water which would degrade the effectiveness of the insulation. The thermostat in the heater is set for 60 degrees so high heat rise will not be a problem.