

Cascade Toboggan Model 100

Bow Guard Kit Installation Instructions

The Cascade Toboggan Bow Guard Kit comes complete with the following components:

- (1) HDPE molded CTM100 Bow Guard**
- (8) Standard 3/16 inch Steel Rivets**
- (4) Extra Long 3 /16 inch Steel Rivets**
- (15) Standard 3/16 inch Aluminum Rivets**
- (15) Aluminum Washers**

Step One

Position the Model 100 Toboggan upside down on a table or workstand. Although not necessary, installation of the Bow Guard is easier with the toboggan handles removed. Clean the Bow of the Toboggan to ensure the area to be covered is free of debris or obstructions. Remove the rope handles on the bow of the Toboggan. If your Model 100 Rescue Toboggan is fitted with the old style of aluminum Bow Guards, remove them. Fill all holes or damaged areas with polyester resin or a high quality silicon caulk.

Step Two

Place the Bow Guard over the Bow of the Toboggan by pushing the Bow Guard toward the rear of the Toboggan and down as shown in Figure 1.



Figure 1

Step Three

This step is best accomplished with two people – one holding the Bow Guard in place while the other drills the holes. While holding the Bow Guard in place, drill one 3/16 hole at Position 1 as indicated in Figure 1. Once drilled, insert one Standard 3/16 inch Steel rivet in the hole. Repeat the process at Position 2. Place one washer over the end of the rivet in Position 1 and “Pop” it down. Repeat the process for the rivet at Position 2.

Step Four

Drill the remaining holes through the bottom of the toboggan in the order specified in Figure 2. Once drilled, insert the remaining six Standard Size Steel Rivets in the holes, place a washer over the end of each rivet as you fasten the rivets down.



Step Five

Drill through each of the remaining 15 holes on the perimeter of the Bow Guard as shown in Figure 3, Figure 4 and Figure 5 respectively. Pay particular attention to the holes drilled at Positions 9, and 23. When drilling holes at Position 9 and 23, your hole should extend through the fiberglass shell and into the steel frame of the toboggan. Use one of the Extra Long Steel Rivets to fasten the Bow Guard down at these locations. The holes drilled at positions 10 and 22 should be drilled through the steel handle upright. Holes drilled at Positions 14 and 18 should also be drilled through the fiberglass shell and into the steel frame. The remaining 2 Extra Long Rivets should be used to fasten these areas down. All other Positions should be fastened down using the Standard Aluminum Rivets and backed by washers whenever possible.

Step Six

Turn the Toboggan right side up. Drill through the Bow Guard using the existing Bow Handle holes in the Bow of the Toboggan. Reattach the Bow Handles. This should complete the installation of your Bow Guard Kit. If you have any questions, please do not hesi-



Figure 3



Figure 4
tate to call us at Cascade Toboggan.



Figure 5

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