



FIGURE 1:
MAIN SKIN INSTALLATION

CAUTION: Do not force fit the VS-1201 Main Skin. Align holes by adjusting the ribs of the V-Stab Skeleton.

Step 1: Cleco the VS-1201 Main Skin to the V-Stab Skeleton Assembly as shown in Figure 1. First cleco one side of the skin, then check that the narrow end of the VS-1202 Front Spar, VS-1205 Tip Rib, and VS-1206 Mid Rib will not deform the leading edge of the main skin. If any of the ribs deform the leading edge of the main skin, radius the narrow ends of the ribs (See Page 6-05, Step 1). Next, check the main skin hole alignment with the ribs on the side not yet clecoed. If holes do not align, remove the skin and adjust the ribs by additional fluting or lessening existing flutes (Section 5N) until the rib holes align with the skin holes. When all of the holes align, cleco the rest of the main skin.

Step 2: Starting nearest to the leading edge of the VS-1201 Main Skin, remove one cleco and rivet that hole before moving on to the next hole. Continue until all of the main skin holes are riveted to the corresponding holes in the V-Stab Skeleton Assembly per call-out in Figure 1.

Step 3: Rivet the remaining open holes of the flange at the lower end of the V-Stab Skeleton Assembly per call-out in Figure 1.

Hereafter refer to this assembly as the V-Stab Assembly.

Step 4: Screw the VS-1204 Fwd Skin to the nutplates at the front of the V-Stab Assembly using the hardware called out in Figure 1. The bottom eight holes in the fwd skin are left open until the V-Stab Assembly is installed to the Tailcone Assembly.

Step 5: Bolt the Upper Hinge Assembly to the V-Stab Assembly using the hardware called out in Figure 1.

Step 6: Tie the Lower Hinge Assembly to the V-Stab Assembly through the bolt holes that will be used to attach the Lower Hinge Assembly and tape a bag of the hinge hardware to the tie. The Lower Hinge Assembly will be installed when the V-Stab Assembly is installed to the Tailcone Assembly.

NOTE: The Vertical Stabilizer fiberglass fairing installation instructions are included in Section 12: Emp Fairings.