OP-58: COWL LOUVERS

NOTE: See Section 5.18 for tips on working with fiberglass.

NOTE: Louvers can not be installed on top of honeycomb core. For cowlings with core material in the areas shown in Figure 1, begin with Step 1 to remove the core. For cowlings that do not have the core in the areas shown in Figure 1, skip to Step 4.

Step 1: Use a sanding disk (or equivalent) to remove the core material in the areas shown in Figure 1. Taper the edges of the exposed core to roughly match the taper of the existing core edges. Verify that the FF-00101 Louvers will fit in the sanded area as shown in Figure 2; remove additional core material if/as necessary.

Step 2: Individually apply (wet-out with epoxy resin) four plies of 9 oz./square yard [305g/sq. m], plain weave E-Glass fabric to the areas of the cowl where the core was removed. Overlap beyond the edges of the exposed core by approximately one inch.

Step 3: To provide a smooth surface for attaching the louvers, cover the entire area with peel ply . The peel ply should fully wet-out with resin when applied. It will easily pull off after the resin is cured.







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