SECTION OP-56: TAIL LIGHTING

NOTE: See Section 5.18 for more tips on working with the fiberglass fairing. Fiberglass will quickly dull tools. Locate and use the tools set aside for use in attaching the empennage fairings when working with the fiberglass wing tips.

Step 1: Center the R-00911B Rudder Fairing Doubler on the aft end of the R-411. R-911 or R-1011 Rudder Bottom Fairing as shown in Figure 1. Tape the rudder fairing doubler in place.

Step 2: Final-Drill #30 and cleco the holes as shown in Figure 1.

Step 3: Final-Drill #43 the holes as shown in Figure 1.

Step 4: Use a marker to trace around the opening in the rudder fairing doubler.

Step 5: Machine countersink the rudder fairing doubler to fit the head of an CS4-4 rivet. See Figure 1.



Step 6: Remove the hatched area of the R-411, R-911 or R-1011 Rudder Bottom Fairing as shown in Figure 2. Drill Several holes around the inside of the traced line, but stop short of the line traced in Step 1. Finish removing the material up to the traced line with sandpaper wrapped around a round object.

Step 9: Mix a small batch of epoxy resin and add flox to a smooth consistency that will not drip, but is not too stiff to sag when the mixing cup is tipped from side to side. Spread this mixture on the roughened surface of the R-411, R-911 or R-1011 Rudder BottomFairing.

Step 11: Run a #43 drill bit through the top and bottom holes. See Figure 1. Clean the drill bit before the epoxy cures. Wait until the resin is fully cured before proceeding.

Step 12: Tap 4-40 the screw holes indicated in Figure 2.



FIGURE 1: FITTING THE RUDDER FAIRING DOUBLER

