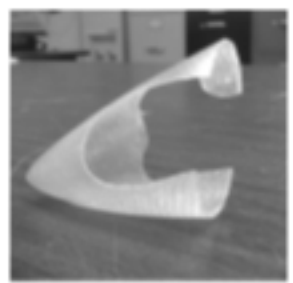


### Step 11 Tail Boom Installation

After the mechanics are installed into the fuselage, slide the wood half-moon brace, that is provided, on the inside of the fuselage. Slide it towards the rear then glue in place. Slide the tail boom through the fuselage and into the main frame and into the pre-cut grooves of the fuselage. Secure the tail boom. Next, place the pre-cut tail cone and screw into place.



### Reminder

Before starting the prep work for painting the fuselage, re-check all areas that need to be glued or fastened after the paint has been applied. Redrilling may be necessary after painting.

Spray cans vs Airbrushed finishes. The preference is left to the modeler, many good paint jobs have been accomplished using the spray cans. However, in the long run, a good spray can finish requires more attention than using an airbrush. The answer is simple, you want a professional looking fuselage, and not a helicopter looking like a flying brick. We need not even think of or mention any type of paint brush larger than 1/4" wide.

As for selecting the type of paint, visit your local hobby shop and ask their opinion on painting polyester fiberglass. On a general note, polyurethane is always a very safe paint that is fuel proof. A perfect paint job can be easily ruined by spilling raw 15-30% fuel accidentally. There is no paint manufacturer who will tell you that their product will resist 30% fuel for a very long and for the most part the fuselage is only exposed to the oil residue from the burned exhaust. The restricted fueling areas in a scale helicopter are prone to having fuel spills from time to time. For this reason, it is recommended to paint the area around the engine and fuel tank, especially the edges of the fiberglass opening where paint runs are likely to start. A good hobby shop will carry a bottle of clear polyurethane in liquid form just for this purpose. Thinned epoxy works well as an alternate.

Good luck with your paint schemes and your painting job undertakings.

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## Section Three: Installation of mechanics into the finished fuselage

### Step 1

Insert the mechanics into the fuselage. Loosely attach the scale muffler on the engine and move the mechanics into place. Insert the tail boom into the fuselage, through the wooden half moon, and into the main frame and attach.

### Step 2

Move the mechanics into place and secure the muffler to the engine. Slide the mechanics and align the mounting bolts holes. Care must be taken when doing the final positioning as the scale muffler exhaust pipe needs to protrude through the bottom of the fuselage. Note that the front left locknut needs to be held at an angle while the bolt is tightened from below (as it is under the muffler). If the muffler is against the fuselage, cut the fuse-

### Step 3

The gyro, battery pack and receive should have been installed during the run-in procedure. However, to clarify the mounting location, the gyro will be installed beside the collective and throttle servos. The receiver, wrapped in foam will be positioned below the battery tray. In this position all the leads can be collected and neatly routed. Take the time now to route the antenna wire from the receiver. The important issue is the antenna wire does not contact metal on the mechanics, does not contact any wires and is laid out not wrapped together. A simple solution is to insert into a length of fuel line and taped into the inside of the fuselage.