PK-3 Weasel - ASSEMBLY INSTRUCTIONS

◊ Due to the high thrust motors that can be flown in this kit, it is strongly recommended that epoxy be used throughout its entire construction.

◊ Before beginning construction, read over assembly instructions to become familiar with the proper construction sequence. Check rear and side exposed views (shown at bottom of instructions) carefully for fin positions and motor mount/centering ring placement inside the main airframe.

◊ TEST FIT PARTS BEFORE BONDING TOGETHER WITH GLUE!!!!
It may be necessary to lightly sand some parts to obtain a proper fit.

◊ The following items will be needed for the construction & finishing of this kit: 12" ruler, Modeling knife, Pen or pencil, Masking tape, Sanding sealer, Paint brushes (assorted sizes), Sandpaper (medium & fine), Primer and paint, Yellow Carpenter's Glue or Epoxy (5 or 15 minute).

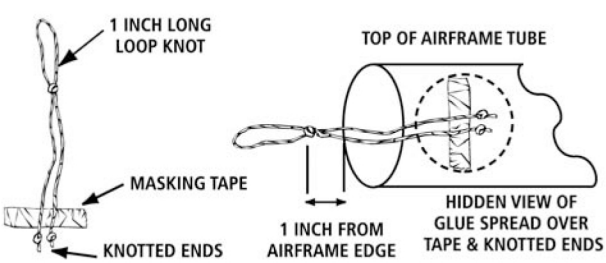
Main Airframe Assembly Instructions

1. Position a fiber centering ring onto each end of the 29mm motor mount tube so that the motor mount tube protrudes 1/8" beyond the centering ring and glue in place. Give both sides of the two centering ring/motor mount tube joints a good fillet coat of glue to insure maximum strength.
2. Apply a continuous bead of glue around the inside of the main airframe 4" up from its end (THE END WITH THE PRE-MARKED FIN GUIDE LINES). Take the assembled motor mount and push it straight up into the glued end of the airframe until the bottom end of the motor mount tube is flush with the airframe's bottom edge. Set in upright position to dry. When dry, turn assembly upside down and give exposed bottom centering ring a light layer of glue for additional strength. Set aside to dry.
3. Sand all fins smooth and round off the leading and trailing edges of them using medium, then fine sandpaper.
4. Place glue on one of the fins' root edge and place it directly on the right edge of one of the three pre-marked fin guide lines on the main airframe 1" up from bottom. Keep the airframe in a horizontal position while drying making sure that the fin is straight up from the airframe tube. When dry, repeat this procedure with the remaining fins.
5. Glue the launch lug directly on the right edge of the pre-marked launch lug guideline on the main airframe. Set aside to dry in a horizontal position.
6. Give all fin and launch lug joints ADDED glue fillets for MAXIMUM strength.

Shock Cord Mount Instructions

LOC/PRECISION'S Shock Cord Mount is easy to make and install, yet is very strong! This mounting system makes shock cord attachment quick and easy. Follow instructions carefully!

1. Take the length of nylon braided cord and at its center make a 1" long loop knot and pull it tight. Make a knot a 1/4" away from the end of EACH of the two loose ends.
2. Cut a piece of masking tape 1/4" wide by 1 1/4" long. This is centered crosswise just ahead of the two knots.
3. Carefully place the two knotted loose ends of the Shock Cord Mount, with tape attached, inside the top of airframe tube so that the 1" long loop knot is protruding out about 1" from the airframe tube's edge.
   Using a small piece of wooden dowel, press the masking tape down firmly around the inside of the airframe tubing. The masking tape will keep the Shock Cord Mount in place while gluing.
4. Place a generous bead of glue over the knotted ends and length of masking tape. Spread the glue around until they are completely covered and place the airframe in a horizontal position to dry.
   REPEAT STEP 4 UNTIL A SMOOTH GLUE LAYER IS ACHIEVED OVER THE MASKING TAPE AND KNOTTED ENDS.



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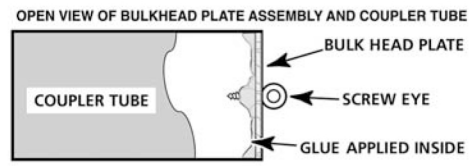
Bulkhead Plate Assembly

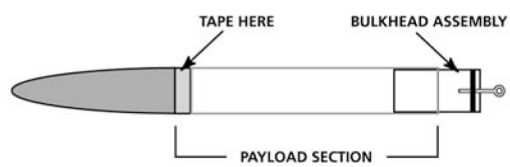
Assemble the *Bulkhead Plate Assembly* and the *Payload Assembly* per the instructions below.

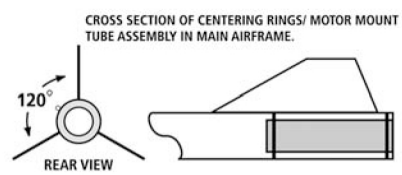
1. Screw in the threaded portion of the screw eye straight into the center hole of the bulkhead plate. Check for alignment. Place a generous bead of glue around the threaded portion of the screw eye sticking out from atop the bulkhead plate. Keep assembly propped up while drying so screw eye alignment is not disturbed.
2. When dry, check fit of bulkhead plate assembly into either end of coupler. It may be necessary to sand the inside edge of the coupler and the outside edge of the bulkhead plate assembly to obtain a smooth fit. When this is done, place a large continuous bead of glue around the inside of the coupler's edge. Carefully, push the bulkhead plate assembly straight into the coupler so that the bulkhead plate assembly is even with the edge of the coupler. Set the entire assembly upright immediately, making sure it is not disturbed while drying.
3. For MAXIMUM STRENGTH, when dry, place another layer of glue around the inside of the bulkhead plate and screw eye thread.



Payload Assembly Instructions

1. Glue 1/2 of the length the Bulkhead Assembly into the payload section as shown. Be sure to seat the eyebolt deep into the wood ring and fillet the backside of this well with glue. The force of motor ejection can be enough to pull out an eyebolt if it is not well seated.
2. Secure Nosecone to Payload section with masking tape for a tight friction fit. (Note: as an alternate, small screws can be used here if desired –not included with kit).
3. Attach Shock cord to the eyebolt in the completed payload section and to the Shock Cord Mount located in the main airframe.
4. Attach Parachute to the shock cord approximately 3' from the payload section.



Main Airframe Assembly Instructions, cont'd

7. Seal fins and launch lug with sanding sealer using a brush. Sand lightly between coats to fill pores and obtain a smooth finish. Lightly sand plastic nose cone with fine sandpaper to remove molding seam line.
8. Select a motor for first flight. When using 24mm motors it is necessary to use LOC's motor mount adapter MMA-1 (not included in kit).
   Because of all the different motor combinations available (with varying motor lengths), this kit uses no motor blocks. Instead, wrap 1/2" wide masking tape around the nozzle end of each motor to a diameter equal to that of the motor mount tube. This will keep the motor from pushing forward upon ignition. Friction fit the motor in place by wrapping masking tape around the motor in two places for a snug fit in the motor mount tube. This will prevent the motor from ejecting rearward upon activation of the ejection charge.
9. Remember to use enough recovery wadding to protect the chute and shock cord from the hot ejection gases.
10. Always follow motor manufacturer's instructions for motor use and ignition, and launch this vehicle on calm, windless days to insure safe recovery.