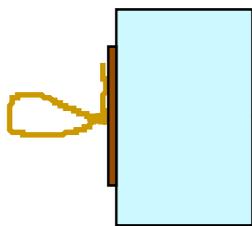


Foam plug

Try for no more than 3" from end of tube to bottom of foam plug

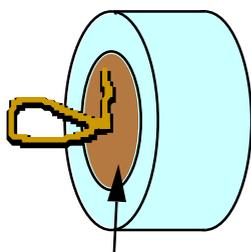
3"

3/4-1/2" kevlar loop tied with knot and secured to plywood by foam freindly CA



Bottom end of foam plug protected by paper glued to it with foam-friendly CA

100 pound Kevlar (Ring Rocketry*)



1/64" plywood disk, approx 3/4" diameter

* The Ring Rocketry 100# Kevlar tends not to bunch up when stuffing thru the 1/16" hole in the tailcone. It might be waxed. The kevlar I have been using (yellow- in color) bunches up. I do not have enough Ring Rocketry kevlar to supply

Use Lariat Loop method to attach kevlar cord to engine mount tube portion of model. See prototype, text instrucionts, and photos.

Sequence for attaching Kevlar shock cord:

- 1 - Apply some Skyloft or a bit of fiberglass cloth to the area of the body tube tailcone that the hole will be drilled for the kevlar cord.
- 2- Drill 1/16" diameter hole into tailcone of body tube. After drilling directly, angle the bit to make the hole a bit oval, parallel to the length of the model. Apply some CA to the hole and re-drill to get rid of any fuzzing.
- 3 - Cut Kevlar cord at least 24" long (Ring Rocketry 100# kevlar preferred). Tie simple slip knot into Kevlar cord (Lariat Loop)
- 4 - Apply CA to other end of Kevlar cord, for about 1", to harden it so it can be started easily thru the hole in the body tube. Insert cord into hole and keep on until it comes out the front end.
- 5 - Slide slip knot/lariat loop over end of motor tube and pull it tight. Leave plenty of room on the tube below the cord so you can use tape to secure the motor later. Align the know with the hole. Carefully apply a little bit of thin CA to the kevlar loop to glue it to the motor tube, avoiding the knot. This gluing is to help make sure the loop will not easily slide upwards when pulled hard, possibly sliding up into the roots of the fins.
- 6 - Thread kevlar cord into hole in the foam plug. Put a mark on the kevlar cord 3" from the top end of the tube, as 3" is the ideal length for the kevlar cord distance form tube end to plug base.
- 7 - Make a loop and knot into the kevlar, on the top end of the plug. Try to make the loop and knot so that the loop is 1/2-3/4" tall and the 3" distance from tube end to foam plug is achieved. Use foam friendly CA to attach kevlar knot to the plug, and to make the kevlar loop rigid.

