

.....DRAGO.....



ALL FIBERGLASS MID-POWER ROCKET KIT

- 1 BODY TUBE**
- 3 FINS**
- 10 FT OF KEVLAR SHOCK CORD**
- 1 MOTOR MOUNT TUBE**
- 2 CENTERING RINGS**
- 1 NOSE CONE**
- 24 IN. TOPFLITE PARACHUTE**
- 1/4 LAUNCH LUG**

YOU WILL NEED:
CA [SUPER GLUE]
HOBBY EPOXY 10-20 MINUTE
SANDPAPER 60-80 GRIT TO PREPARE PARTS FOR GLUING

FOR FIRST TIME FIBERGLASS BUILDERS IT IS IMPORTANT TO NOTE A FEW THINGS. YOU CAN USE MUCH HEAVIER GRIT SANDPAPER FOR GLUE PREPPING, TYPICALLY 60-80 GRIT. ALL SURFACES THAT GET GLUE MUST BE SANDED TO PROMOTE ADHESION. THERE IS NO "SOAKING IN" LIKE PAPER AND WOOD KITS. THE ROUGHER THE AREA TO BE BONDED IS, THE BETTER !

THIS KIT CAN BE BUILT WITH CA AND HOBBY TYPE EPOXIES. 12-20 MINUTE RECOMMENDED. 5 MIN . DOES NOT ALLOW ENOUGH WORKING TIME. THE FIRST TIME BUILDER SHOULD BE ABLE TO COMPLETE THE PROJECT IN 2-4 HRS. NOT INCLUDING EPOXY CURE TIME.

IT IS ADVISABLE TO READ THROUGH THESE INSTRUCTIONS FIRST, AND THEN START YOUR BUILD. LET'S GET TO IT!

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KEVLAR SHOCK CORD WILL BE GLUED TO MOTOR MOUNT TUBE [MM]. FILE OR SAND NOTCH IN ONE CENTERING RING [CR] .



CR'S WILL BE GLUED 1/2 IN FROM EACH END OF MM TUBE.
MARK 1/2 FROM EACH END.

SLIDE NOTCHED CR OVER KEVLAR AND ONTO TUBE, AT 1/2IN
MARK, LEAVING 2 INCHES OF KEVLAR ON TUBE.

SLIDE REAR CR ONTO OTHER END OF TUBE AND INTO POSITION
AT 1/2 IN. MARK.

TACK PARTS TO HOLD WITH CA.



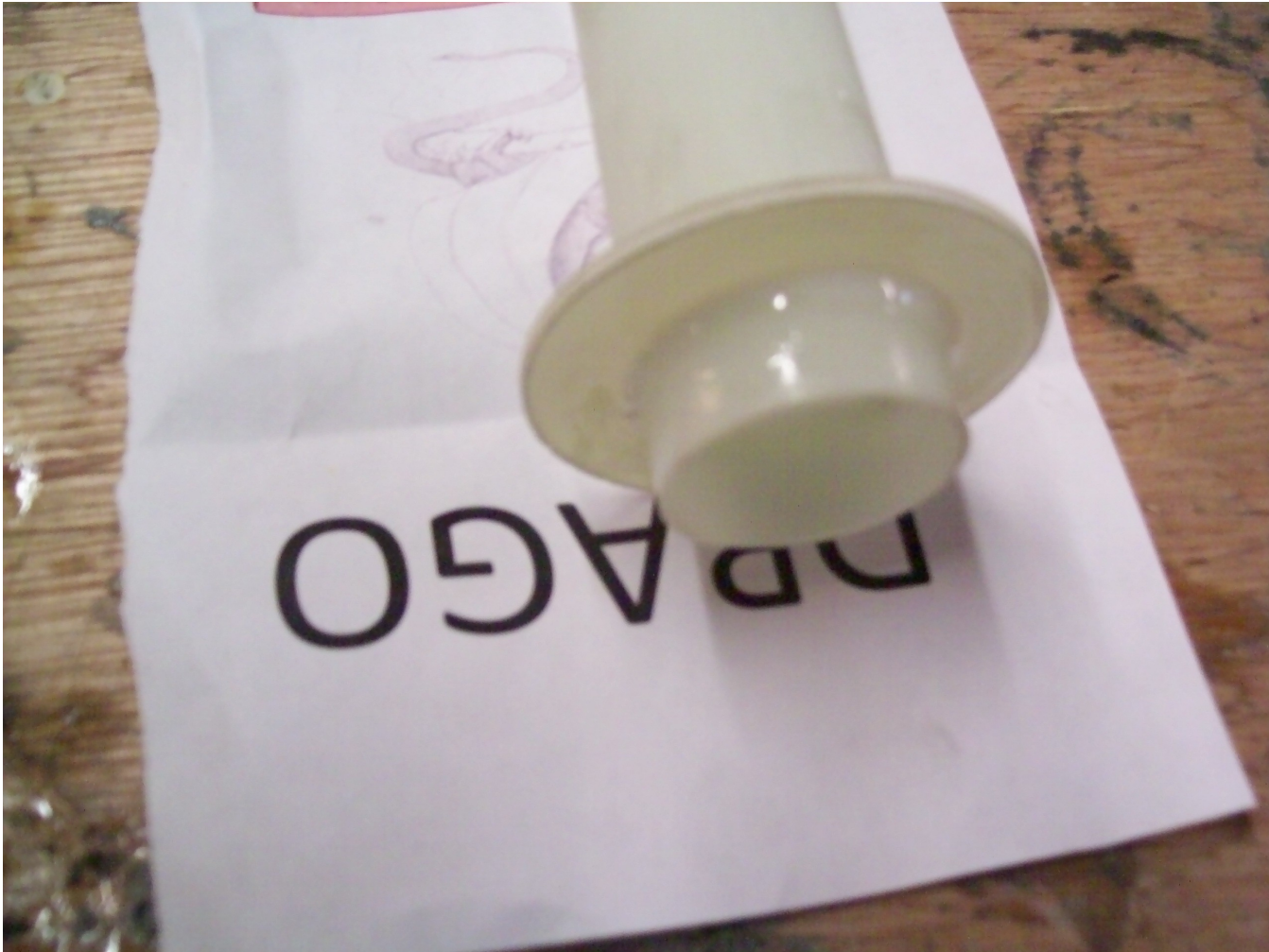
STUFF SHOCK CORD INTO TUBE SO EPOXY DOESN'T GET ON IT.

MIX SOME 12MIN EPOXY AND GLUE KEVLAR ONTO TUBE.

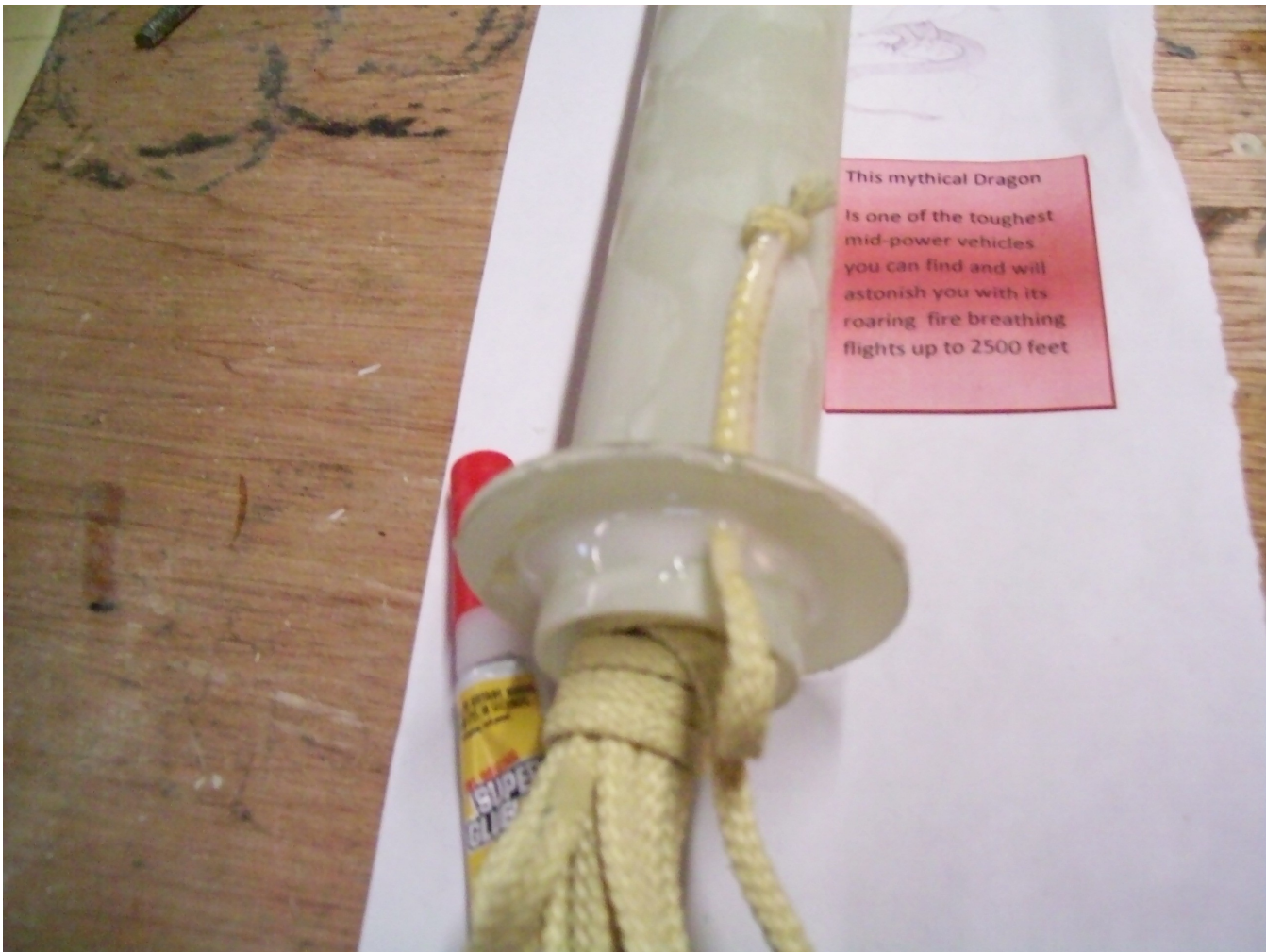


FILLET = GLUING A JOINT FROM ONE END TO THE OTHER, WHETHER STRAIGHT OR IN A CIRCLE. [THINK CAULKING A BATH TUB TO THE TILE.]

FILLET REAR CR ON THE SIDE THAT FACES MOTOR



FILLET TOP OF TOP CR [ONE WITH KEVLAR.]



This mythical Dragon
Is one of the toughest
mid-power vehicles
you can find and will
astonish you with its
roaring fire breathing
flights up to 2500 feet

CUT ABOUT 12 IN. OFF SHOCK CORD TO MAKE HARNESS FOR NOSE CONE [NC]. FOLD IN HALF AND TIE A LOOP.

EPOXY BOTH TAILS TO INSIDE OF NC 180 DEGREES APART.



SAND 1/2 IN. OUTWARD FROM EACH SIDE OF FIN SLOT ON ALL 3 SLOTS



**SAND 1/2 UP FROM BOTTOM OF FIN [IT GETS GLUED TO MOTOR TUBE]
ON BOTH SIDES OF ALL 3 FINS.**

FINS DO NOT COME BEVELED, IF YOU WISH TO DO SO, NOW IS THE

TIME. EASIER THAN AFTER IT IS GLUED INTO POSITION.
SAND OUTSIDE OF MOTOR TUBE.
SAND INSIDE OF AIRFRAME WHERE THE REAR CR WILL BE GLUED.

SLIDE MOTOR MOUNT ASSEMBLY INTO REAR OF AIRFRAME. FRONT CR SHOULD BE FLUSH WITH FRONT OF FIN SLOT.

MAKE SURE YOUR SHOCK CORD IS CENTERED BETWEEN THE SLOTS SO IT WILL NOT INTERFERE WITH THE FINS.

THE REAR CR SHOULD BE SLIGHTLY RECESSED IN BACK OF TUBE.

MOTOR MOUNT SHOULD BE STICKING OUT BACK APPROXIMATELY 1/2IN.

WHEN SATISFIED WITH ALIGNMENT, TACK REAR CR TO TUBE WITH A DROP OR TWO OF CA, TO PREVENT MOVEMENT WHILE GLUEING FINS.

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CHECK FIT OF FINS IN ALL 3 SLOTS. SAND SLOT OR FIN IF NEEDED TO ALLOW PLACEMENT IN SLOTS.

MIX ENOUGH 12 MIN EPOXY TO GLUE 3 FINS.

BUTTER EDGE OF FIN THAT WILL BE GLUED TO MOTOR MOUNT, WITH A BEAD OF EPOXY.

SLIDE FIN INTO SLOT AND PUSH TIGHT TO MOTOR MOUNT TUBE.
ALIGN FIN WITH A GUIDE OR EYEBALL IT.

REPEAT FOR OTHER 2 FINS. STAND ON END, CHECK ALIGNMENT OF ALL FINS, TAPE TO TUBE IF NEEDED TO HOLD IN PLACE.

SET ASIDE TO CURE. IT SHOULD LOOK LIKE THIS.



FILLET REAR CR TO AIRFRAME TUBE.

DRAW A LINE CENTERED BETWEEN 2 FINS FOR LAUNCH LUG, IT SHOULD BE 12IN LONG FROM REAR. CUT LUG IN HALF, TACK REAR LUG WITH CA ON REAR EDGE OF TUBE. TACK UPPER LUG 12IN UP WITH CA. [PHOTO ONLY SHOWS TOP LUG].



FILLET BOTH SIDES OF ALL 3 FINS TO AIRFRAME. SMALL FILLETS ARE ALL THAT ARE NEEDED. KEEP IT LIGHT.

THE ABOVE PHOTO WAS TAKEN AFTER FILLETS WERE COMPLETED. THEY WERE DONE BY SMOOTHING EPOXY INTO THE GROOVE WITH A FINGER DIPPED IN ALCOHOL TO KEEP EPOXY FROM STICKING TO FINGER.

[WEAR A LATEX GLOVE OR PLASTIC BAGGIE OVER FINGER TO BE SAFE]

FILLET BOTH SIDE OF LAUNCH LUGS.

TIE KEVLAR SHOCK CORD TO NOSE CONE HARNESS.
ABOUT 2FT BACK FROM NC [OR LENTGH OF ROCKET] TIE AN OVERHAND
KNOT [OR LOOP] FOR PARACHUTE ATTACHMENT.
ATTACH PARACHUTE TO SHOCK CORD.



FINISHED WEIGHT: 1LB 7OZ.

STAND BACK AND ADMIRE YOUR COMPLETED DRAGO ROCKET.FINISH
AND PAINT AS DESIRED. YOU WILL APPRECIATE THE LACK OF SPIRALS TO
FILL, AND THE SHINY SMOOTH FINISH, GLASS ROCKETS GIVE.



A TIP FOR TO HOLD YOUR MOTOR IN SECURELY.

IF YOUR MOTOR DOES NOT HAVE A THRUST RING, MAKE ONE BY WRAPPING MASKING TAPE [SEVERAL WRAPS] AROUND THE REAR OF MOTOR. 1/4 TO 1/2 IN FROM REAR.



SLIDE MOTOR IN TUBE, BUTTING THE THRUST RING UP TO MOTOR MOUNT.



WRAP A COUPLE OF TURN OF TAPE AROUND THE THRUST RING AND MM. TUBE, SECURING YOUR MOTOR IN PLACE.

