

Full Moon



Product No. 1016

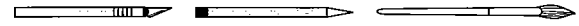
Skill Level One



ASSEMBLY INSTRUCTIONS

Things You'll Need To Assemble This Kit:

Hobby Knife, Pencil and Paint Brush



Sandpaper (220 or 320 Grit) & Sanding Sealer



White Glue

Aliphatic Resin glues work best such as TITEBOND or ELMER'S CARPENTER'S WOOD GLUE - ELMER'S WHITE SCHOOL GLUE also works but dries slower.



Tape & Paint

Scotch Magic Tape or Paper Masking Tape and Spray Paint.

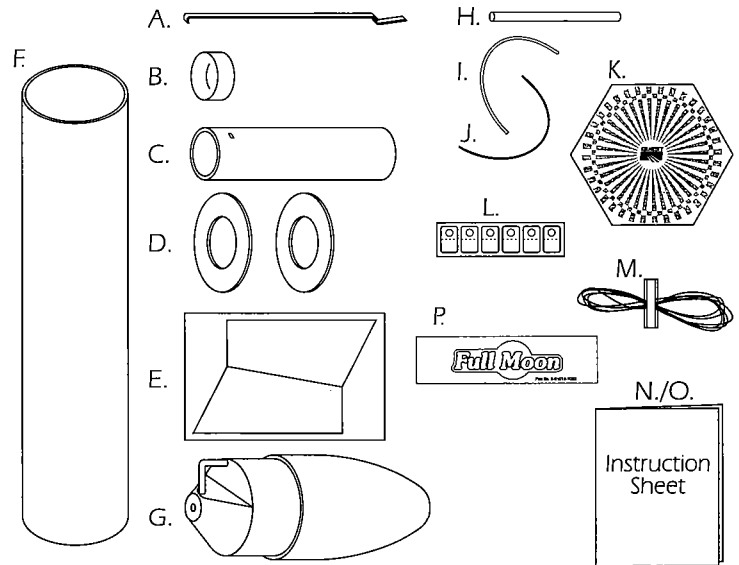


BEFORE STARTING ASSEMBLY READ THROUGH THESE INSTRUCTIONS. IT IS BEST TO TEST FIT ALL PARTS BEFORE APPLYING ANY GLUE. READ AND FOLLOW THE NAR MODEL ROCKET SAFETY CODE.

PARTS LIST

- A. 49000 Motor Clip
- B. 14000 Blue Thrust Ring
- C. 10303S Yellow Motor Mount Tube
- D. 16007 Flat Centering Ring (2)
- E. 33026 Die-Cut Balsa Fin Set
- F. 11520 6 Inch White Body Tube
- G. 20400 Plastic Nose Cone
- H. 10001 2 inch Launch Lug
- I. 50011 18 inch White Elastic Shock Cord
- J. 50050 12 inch Yellow Kevlar* Shock Cord
- K. 28107 14 inch Parachute
- L. 50101 Strip of 6 Gripper Tabs
- M. 50100 Pack of 26 inch Shroud Lines
- N. 01016-1010 Instruction Sheet
- O. 01016-1020 Launch Procedures Sheet
- P. 01016-1030 Self-Adhesive Decal

*Kevlar is a registered trademark of Dupont

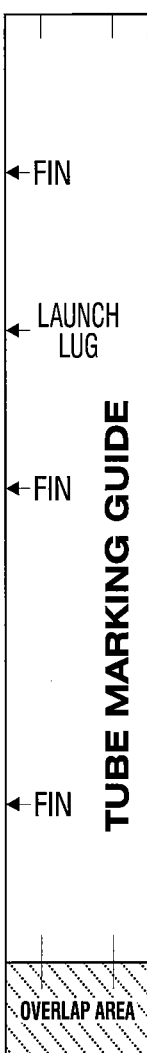
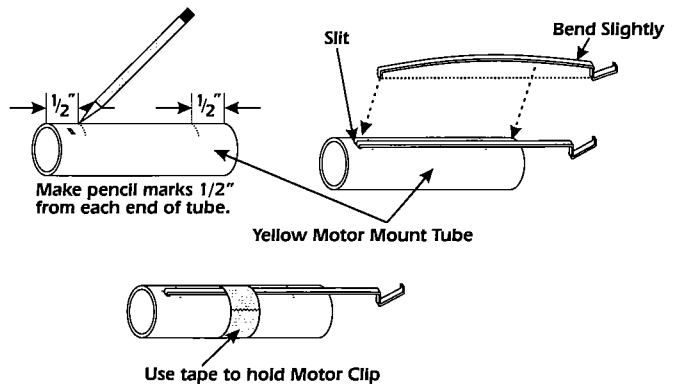


STEP 1

A. Place the Yellow Motor Mount Tube up against the ruler provided above. Make two pencil marks on the tube 1/2 inch from each end as shown.

B. Make a slight bend in the Motor Clip as shown. Insert the Motor Clip into the slit in the Yellow Motor Mount Tube.

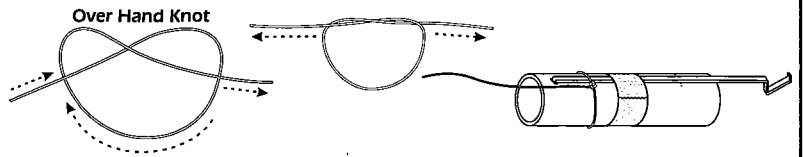
C. Wrap a piece of tape all the way around the Yellow Motor Mount Tube to hold the Motor Clip in place.



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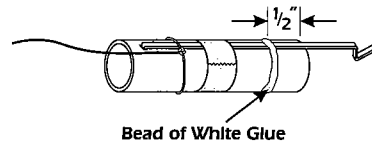
STEP 2

A. Use two overhand knots to tie the Yellow Shock Cord around the Yellow Motor Mount Tube as shown.

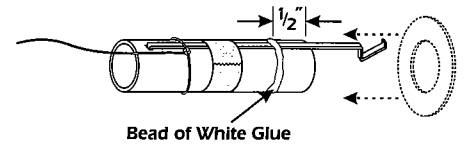


STEP 3

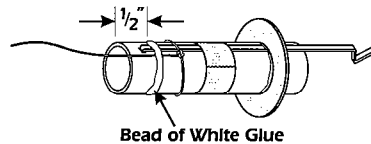
A. Apply a bead of white glue around the Yellow Motor Mount Tube on the pencil mark (made in step 1A) 1/2 inch from rear end as shown.



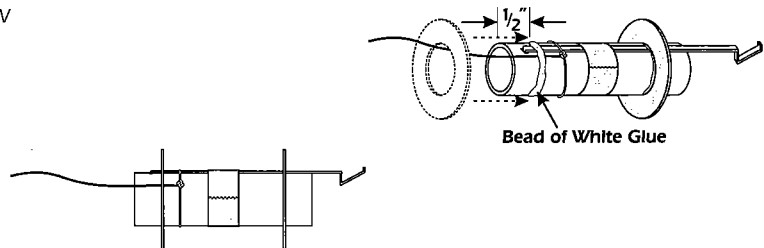
B. Slide one of the Flat Centering Rings onto the Yellow Motor Mount Tube and into the bead of glue. Check to be sure ring is aligned straight on Yellow Tube as shown.



C. Apply a bead of white glue around the Yellow Motor Mount Tube on the other pencil mark (made in step 1A) 1/2 inch from the forward end as shown



D. Pass the Yellow Kevlar Shock Cord through the remaining Flat Centering Ring. Slide the Ring onto the Yellow Motor Mount Tube and into the bead of glue. Check to be sure ring is aligned straight on the Yellow Tube as Shown.

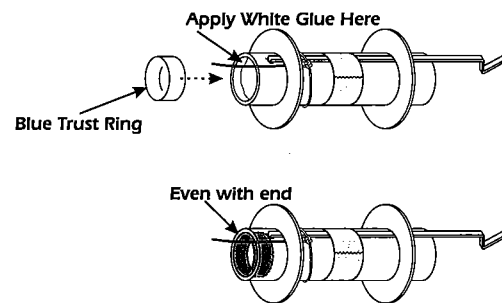


STEP 4

A. Apply white glue around inside edge of Yellow Motor Mount Tube as shown.

B. Insert the Blue Trust Ring into the Yellow Motor Mount Tube so it is even with the end of the Yellow Motor Mount Tube.

C. After the glue has set completely, apply a small bead of white glue to both sides of each centering ring. Smooth out the glue with your finger. Wipe excess glue off your finger onto a tissue or paper towel.

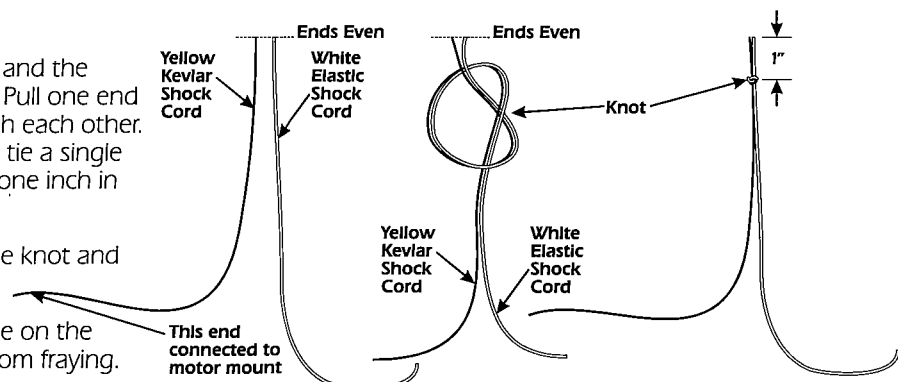


STEP 5

A. Hold the Yellow Kevlar Shock Cord and the White Elastic Shock cord side by side. Pull one end of each cord so that they are even with each other. While holding the two cords together, tie a single parallel overhand knot approximately one inch in from the ends as shown.

B. Gently pull on both cords to set the knot and prevent it from slipping.

C. Apply a small amount of white glue on the ends of both cords to prevent them from fraying.



NOTE: THIS IS A VERY IMPORTANT STEP. IF YOU TIE A DIFFERENT TYPE OF KNOT THE SHOCK CORDS MAY SEPARATE DURING FLIGHT.

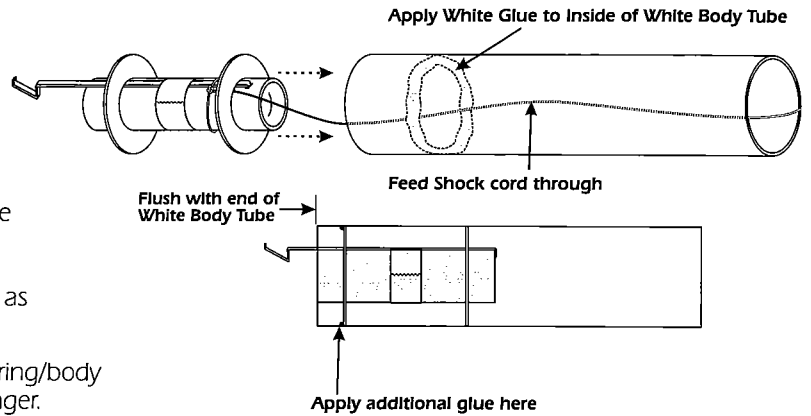
STEP 6

A. "Feed" the Shock Cord attached to the Motor Mount Assembly into the White Body Tube until the cord comes out the other end of the White Tube.

B. Apply white glue around the inside of the White Body Tube as shown.

C. Immediately insert the Motor Mount Assembly into the White Body Tube and PUSH INTO THE BODY TUBE WITH ONE FAST & SMOOTH MOTION until the Yellow Motor Mount Tube is flush with the end of the White Body Tube as shown.

D. Apply additional white glue to the exposed centering ring/body tube joint as shown. Wipe away excess glue with your finger.

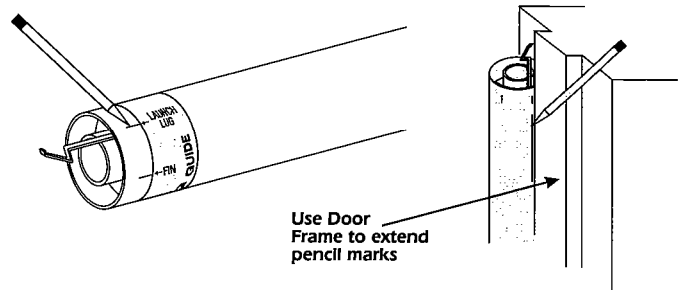


STEP 7

A. Cut out the Tube Marking Guide from the front page of the instruction sheet.

B. Wrap the Tube Marking Guide around the body tube. Align the arrow that is marked "Launch Lug" with the Motor Clip. Mark the White Body Tube at each of the arrows with a pencil.

C. Use a door frame as a guide and extend each of the fin pencil marks 6 inches up from the rear of the body

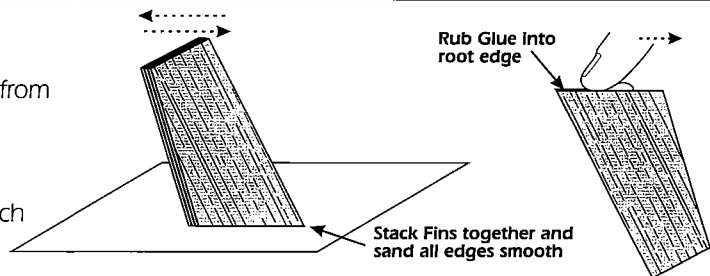


STEP 8

A. Carefully remove each of the three Die-Cut Balsa Fins from the sheet with a sharp hobby knife.

B. Stack the Fins together and sand all edges smooth.

C. Rub a small line of white glue into the root edge of each Fin and set aside to dry.



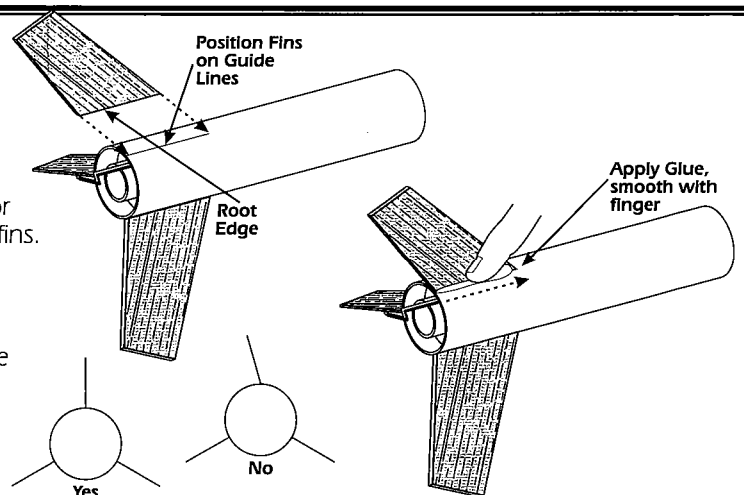
STEP 9

A. Apply a small line of white glue along the root edge of a Fin and position it along one of the fin lines on the White Body Tube. Adjust the fin so that it projects straight away from the body tube as shown. Use the Display Stand to hold the rocket while the glue sets. Allow the glue to set for a few minutes before attempting to glue on the remaining fins.

B. Repeat this step for the two remaining fins.

C. After the glue is completely dry apply a small bead of white glue to both sides of a fin-body joint. Smooth out the glue with your finger. Wipe excess glue off your finger onto a tissue or paper towel.

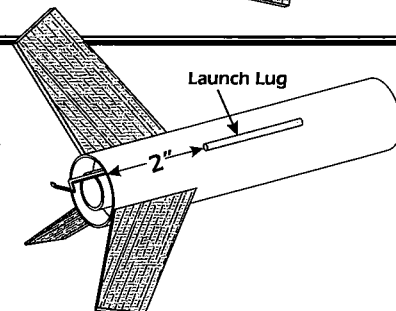
D. Repeat the above step for the remaining fin-body joints.



STEP 10

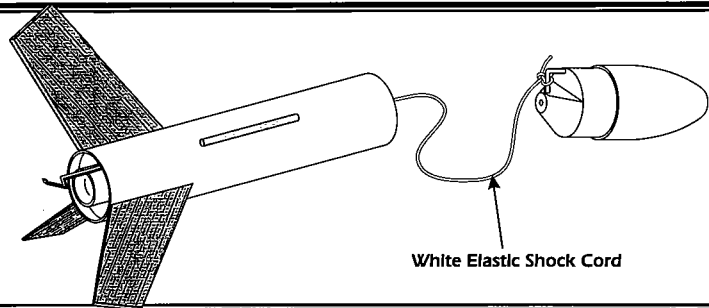
A. Make a pencil mark on the launch lug line 2 inches from the rear of the rocket as shown.

B. Apply white glue to the root edge of the Launch Lug and place it along the pencil line with one end even with the mark 2 inches from the rear of the rocket as shown.



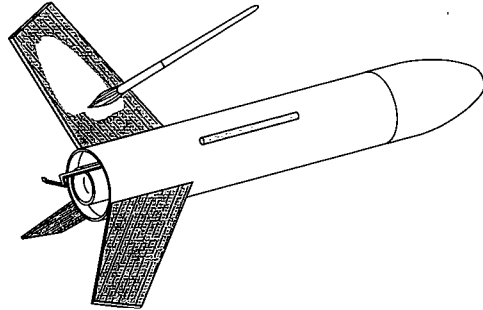
STEP 11

- A. Remove any excess plastic from inside the molded eyelet in the nose cone using a sharp hobby knife.
- B. Use two overhand knots to tie the loose end of the Shock Cord onto the eyelet in the Nose Cone.



STEP 12

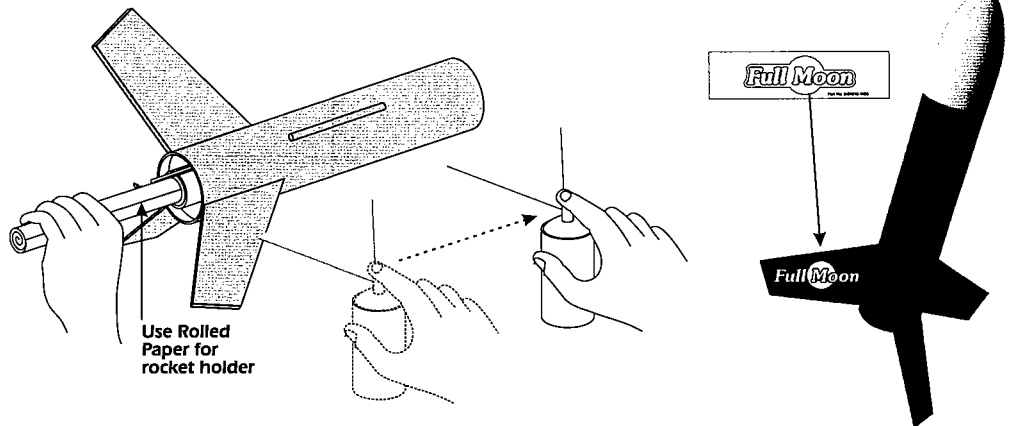
- A. After all the glue is completely dry, apply a coat of sanding sealer to each Fin. When sealer is dry, lightly sand each Fin.
- B. Repeat the sanding and sealing process until the surface of each fin is smooth.
- C. Paint the entire rocket body and fins with spray primer. Follow instructions on the spray can for best results. Allow to dry and sand smooth.



STEP 13

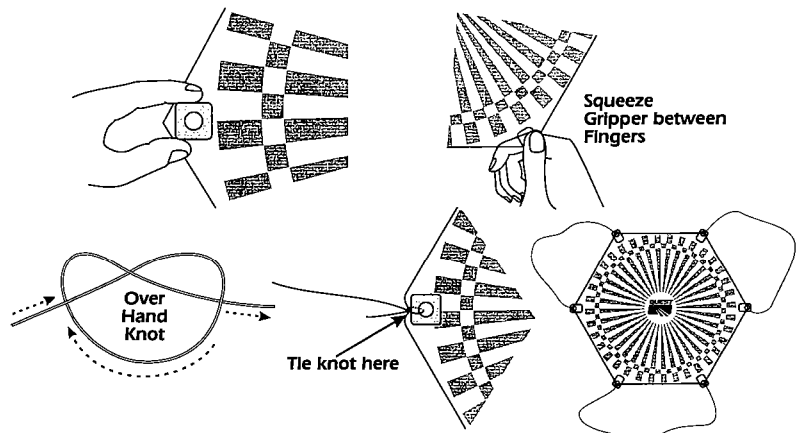
- A. Paint the entire rocket with gloss red Spray Enamel. Follow the instructions on the spray can for best results.
- B. When Paint is dry, apply the self-adhesive decal as shown.

NOTE: Use caution when removing the decal from the backing to prevent decal from curling over onto itself.



STEP 14

- A. Remove the Gripper Shroud Line Fasteners from the strip. Always handle Grippers by the edge so you don't touch the adhesive. Place the Gripper on one of the six corners of the Parachute.
- B. Firmly squeeze each Gripper and parachute material between your fingers.
- C. The Shroud Line is pre-cut into three equal lengths. Take one length of the Shroud Line, pass it through the hole in the Gripper and tie one end with two overhand knots. Tie the other end of the shroud line to the nearest Gripper. Repeat for remaining Shroud Lines.



STEP 15

- A. Pass the shroud line loops of the Parachute through the eyelet on the Nose Cone. Pass the Parachute through the loop ends and pull lines tightly against the eyelet.
- B. The Nose Cone should fit snug but not too tight into the body tube. If the Nose Cone fits too tight, sand the shoulder to loosen the fit or stretch the end of the White Body Tube slightly by inserting the pointed end of the Nose Cone into the White Body Tube and gently twist it back and forth.

