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ASSEMBLY TIP

Read all instructions before beginning work on your model. Make sure you have all parts and supplies.

TEST-FIT ALL PARTS TOGETHER BEFORE APPLYING

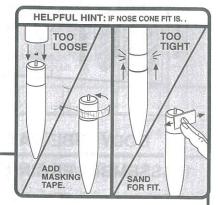
ANY GLUE. If any parts don't fit properly, sand as required for precision assembly.

SUPERNE

FLYING MODEL ROCKET KIT INSTRUCTIONS KEEP FOR FUTURE REFERENCE.

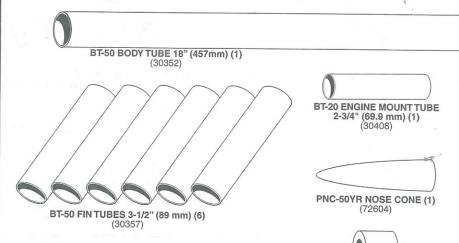


#2050



PARTS

Locate the parts shown below and lay them out on the table in front of you. DO NOT USE THIS DRAWING TO ASSEMBLE YOUR ROCKET.





2050L ADAPTER RING GREEN (1) (30165-2)





NOSE CONE INSERT (1) (72605)



AR520 GREEN ENGINE BLOCK (1) (30162-2)





LASER CUT BALSA FIN SHEET (1)



ASSEMBLED PARACHUTE 12" (305 mm) (1) (35801)

SUPPLIES In addition to the parts included in the kit you will also need:





DECAL SHEET (1) (37491)

















RUBBER

SCISSORS

PENCIL

RUBBER SHOCK CORD 1/8" X 24" (3 mm X 610 mm) (1) (38367)

RULER

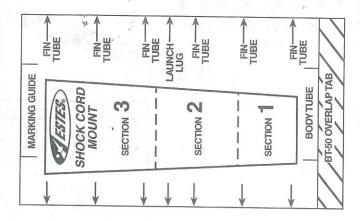
FINE PAPER (#220-400 GRIT)

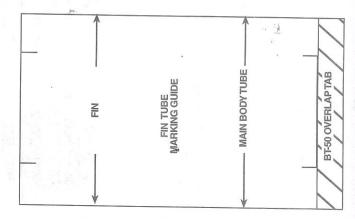
CARPENTER'S MODELING KNIFE

MASKING TAPE

WHITE, NEON BLUE, NEON

TUBE MARKING GUIDES AND SHOCK CORD MOUNT (Make a copy if you want to keep instructions.)

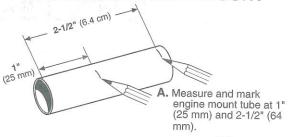


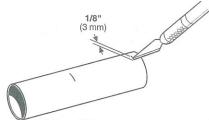


BODY TUBE MARKING GUIDE

FIN TUBE MARKING GUIDE

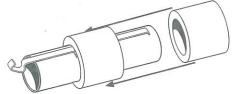


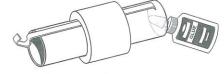


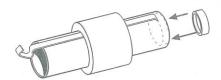


B. Cut 1/8" (3 mm) slit at 2-1/2"(64 mm) mark.

C. Apply glue around tube just above the 1" (25 mm) mark. Position and insert engine hook into slit as shown.







D. Push adapter ring onto engine mount tube to the 1" (25 mm) mark.

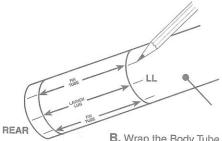
E. Apply glue inside engine mount tube.

F. Insert engine block ring. Let assembly dry completely.

2. MARK FIN AND LAUNCH LUG LINES

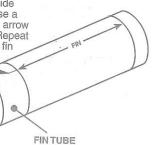


A. Cut out the two tube marking guides from this page. Do not cut out the shock cord mount at this time.

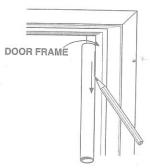


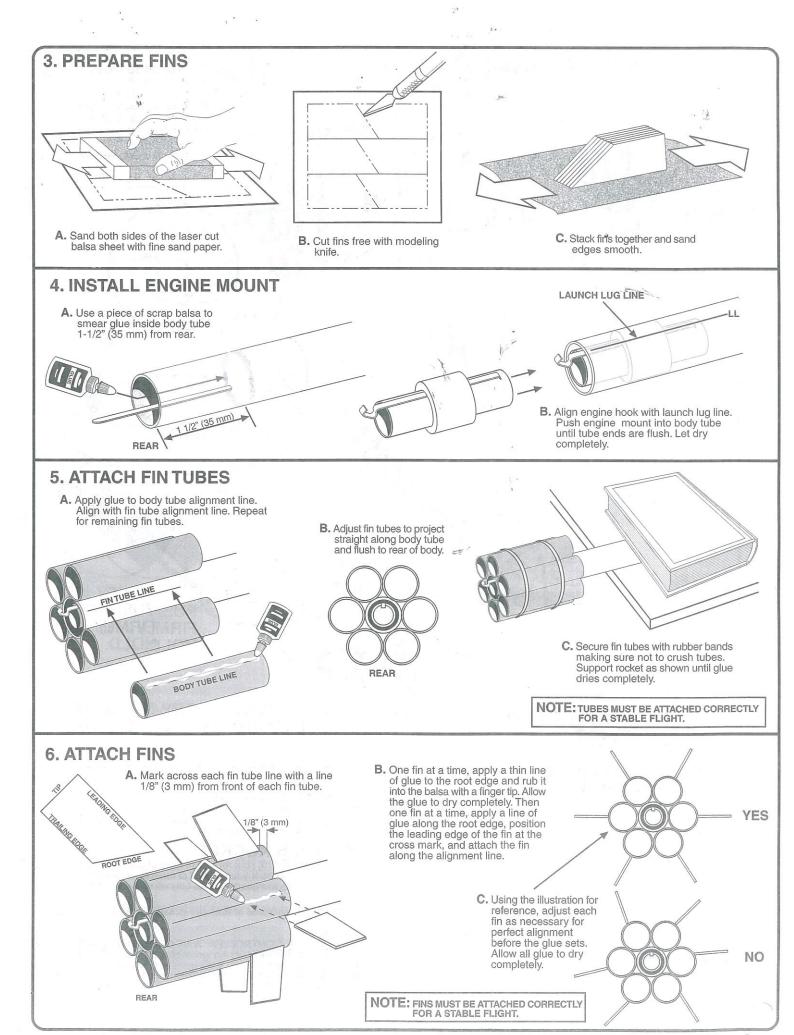
B. Wrap the Body Tube marking guide around the main body tube. Use a pencil to mark tube at each arrow. At the launch lug mark write on the tube LL. Remove the marking guide.

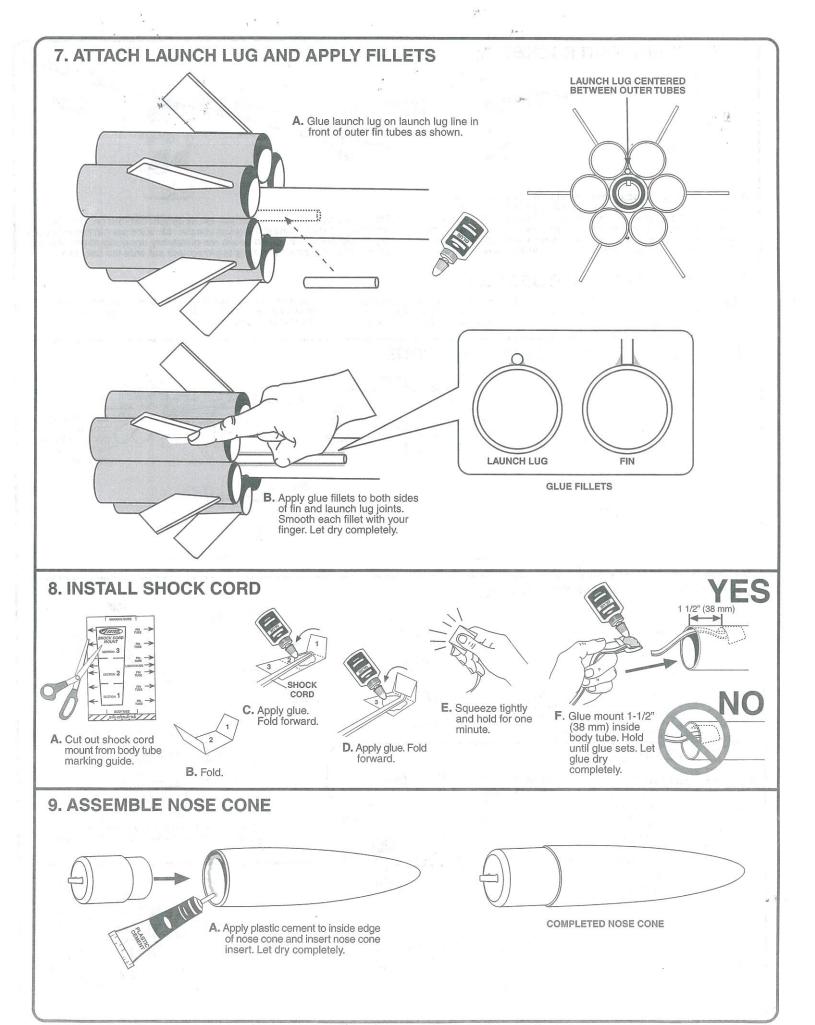
C. Wrap the Fin Tube marking guide around one of the fin tubes. Use a pencil to mark the tube at each arrow point, then remove the guide. Repeat this step for the remaining five fin tubes.

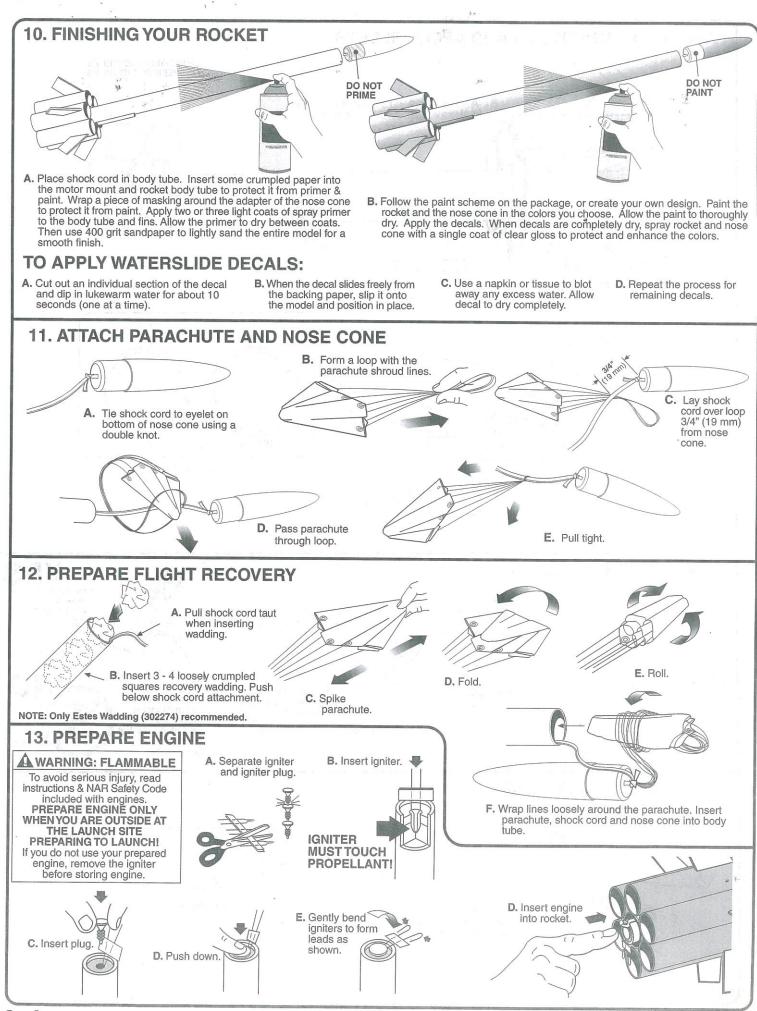


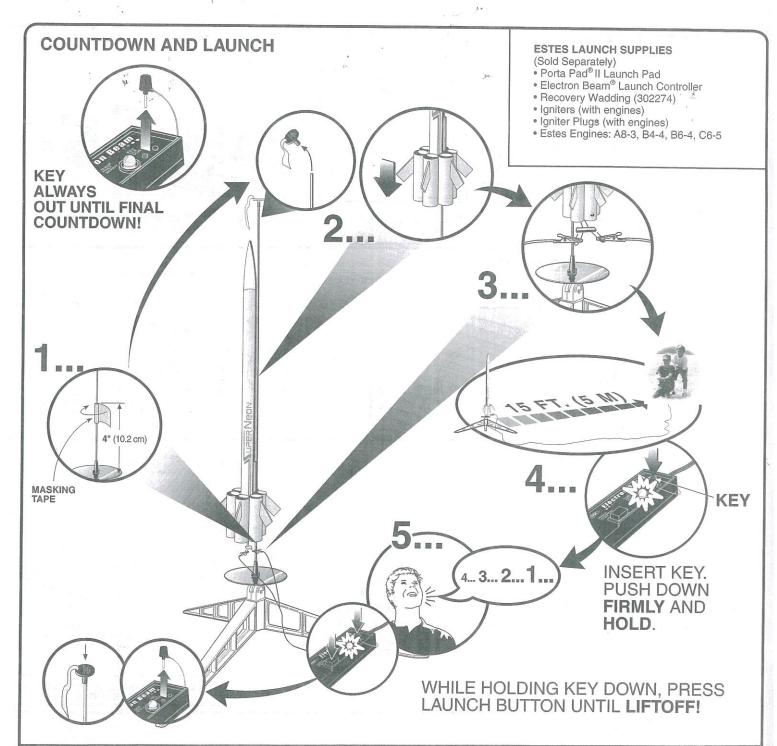
D. Hold the body tube against a door frame. Align the LL pair of marks on the body tube with the door stop then draw a light pencil line the length of the body tube. Align the remaining marks with the stop and draw a light pencil line 3" (76mm) from the end of the tube. Repeat for the fin tubes drawing a light pencil line the entire length of the tube a each pair of marks.











PRECAUTIONS

















PRE-LAUNCH CHECKFor safety, never launch a damaged rocket. Check the rocket's body, nose cone and fins. Also, check the engine mount, recovery system and launch lug(s). Repair any damage before launching the rocket.

FLYING YOUR ROCKET

Choose a large field (500 ft. [153 m] square) free of dry weeds and brown grass. The larger the launch area, the better your chance of recovering your rocket. Football fields and playgrounds are great. Launch only with little or no wind and good visibility.

Always follow the National Association of Rocketry (NAR) SAFETY CODE.

TAKE THE KEY OUT OF THE CONTROLLER. WAIT ONE MINUTE BEFORE GOING NEAR THE ROCKET! Disconnect the igniter clips and remove the engine. Take the plug and igniter out of the engine. If the igniter has burned, it worked but did not ignite the engine because it was not touching the propellant inside the engine. Put a new igniter all the way inside the engine without bending it. Push the plug in place. Repeat the steps under Countdown and Launch.