- Flies over & over again!

Unique Rear Deployed Parachute!





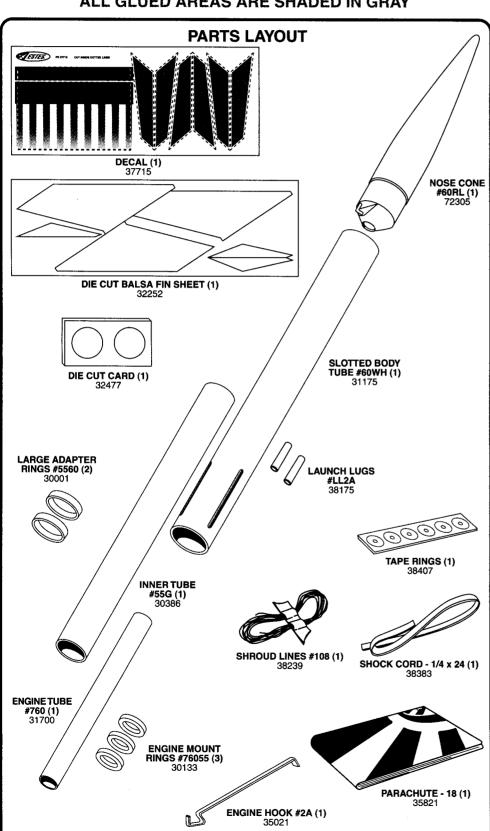


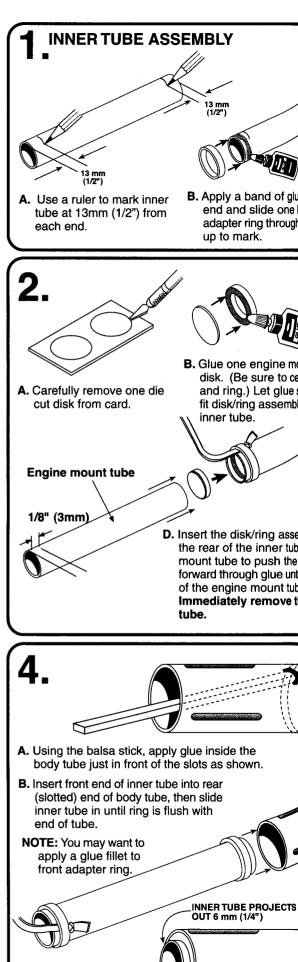
SIZZLER * FLYING MODEL ROCKET KIT INSTRUCTIONS

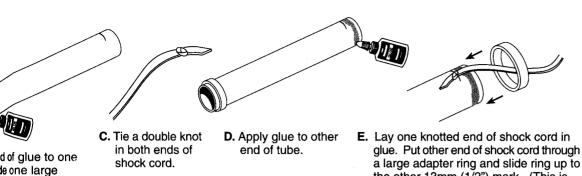
SKILL LEVEL 1

WHITE OR YELLOW GLUE, TUBE-TYPE PLASTIC CEMENT, RULER, PENCIL, HOBBY KNIFE, 400-600 GRIT SANDPAPER, WAXED PAPER, MASKING TAPE, WHITE & YELLOW SPRAY PAINT

ALL GLUED AREAS ARE SHADED IN GRAY

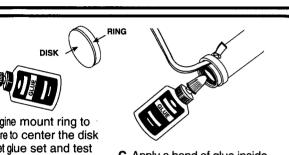




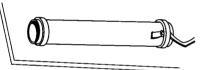




alue dry.



C. Apply a band of glue inside the rear (end with shock cord) of the inner tube.

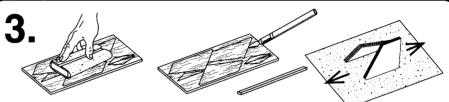


ng assembly, ring first into ner tube. Use the engine ush the disk/ring assembly glue until about 1/8" (33mm) ount tube is visible. move the engine mount

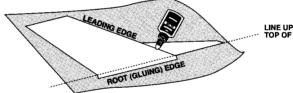
through glue and

ssembly into rear of

E. Set tube on its side to dry completely.



- A. Fine sand balsa fin sheet.
- B. Use a hobby knife to carefully complete cuts in balsa fin sheet. Cut away from adjacent fins so you won't damage them. (Be sure cuts go completely through
- C. Carefully remove fins. (Save a stick of balsa to use later as a glue applicator.)
- D. Stack fins together and sand all edges smooth.



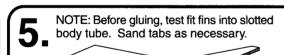
LINE UP THIS EDGE TO TOP OF TAB ON FIN

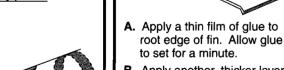
E. Lay fin pieces on a sheet of waxed paper. Glue together. (Be sure to glue the small fin piece set back from the large piece fin tab.)

the other 13mm (1/2") mark. (This is

now the rear of the inner tube assembly.)

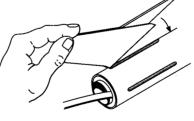
F. Set each fin assembly aside to dry.





B. Apply another, thicker layer of glue to same fin.

YES

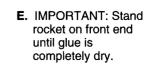


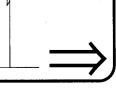
C. Set the rear end of the root edge even with the rear of a slot in body tube and gently press the root edge into slot. (The small section of the fin will sit outside the slot on the body tube.) Apply remaining fins in same manner.

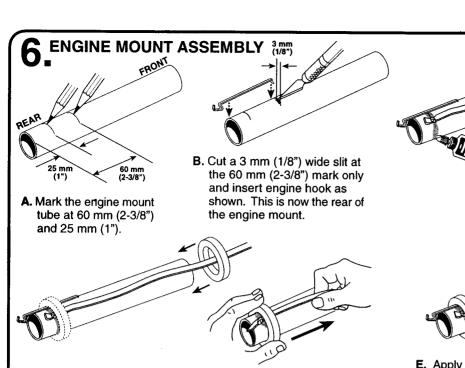


DJECTS

D. After fins are attached, check for proper alignment.

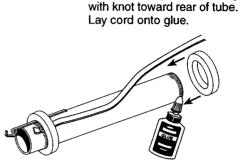






D. Slide the engine mount ring down the tube, over shock cord to

25 mm (1") mark. Hold the ring in place and pull knot tight against



C. Apply a band of glue at the 25 mm (1") mark. Thread the

free end of the shock cord

through an engine mount ring

E. Apply a band of glue around the front end of the engine mount tube. Move shock cord out of the way and slide remaining engine mount ring onto front end of tube until edges are even. Set assembly aside to dry.





B. Find shroud line the shroud line



C. Press tape rings onto marks on corners.

> COM PARA

9.

INSERT COUNTER-CLOCKWISE

WRAP
CLOCKWISE

E. Move shock cord out of way and spiral wrap lines and parachute down engine mount tube between two rings.

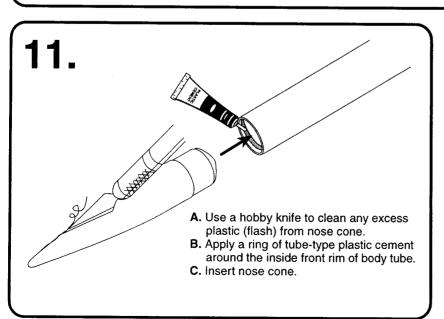
engine mount ring.

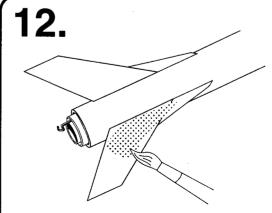
F. Again move the shock cord out of the way and insert front of engine mount into body tube. Wrap any excess shock cord around engine mount tube between rings and insert rest of engine mount into body tube. (It may be helpful to use a twisting motion while inserting mount in order to keep chute wrapped around engine mount.)

10.

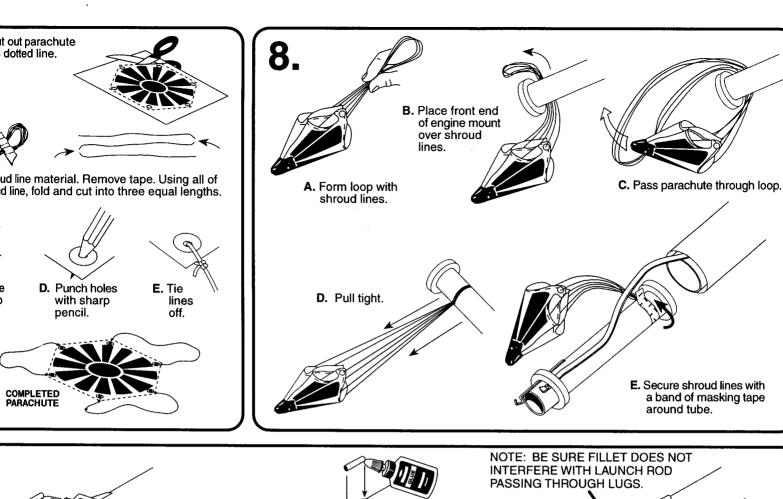


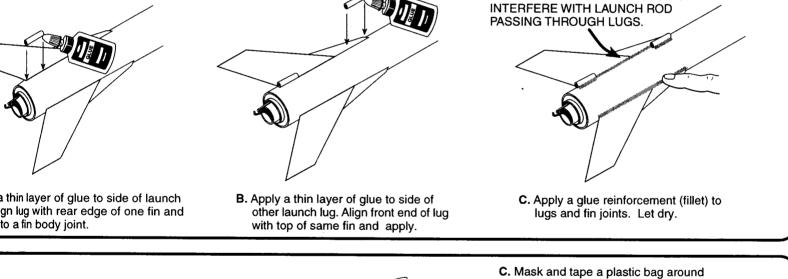
A. Apply a thin I lug. Align lug glue into a fir

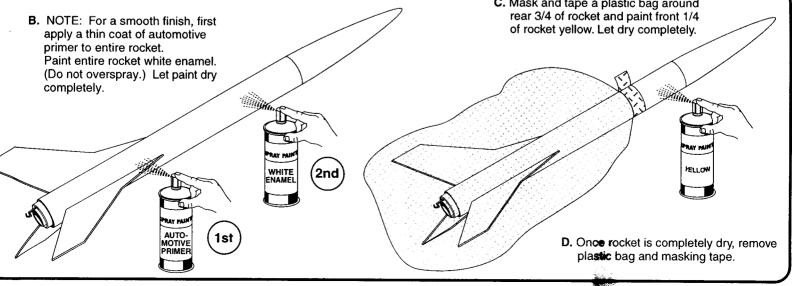


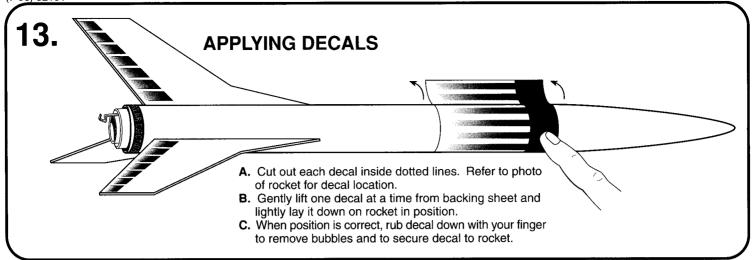


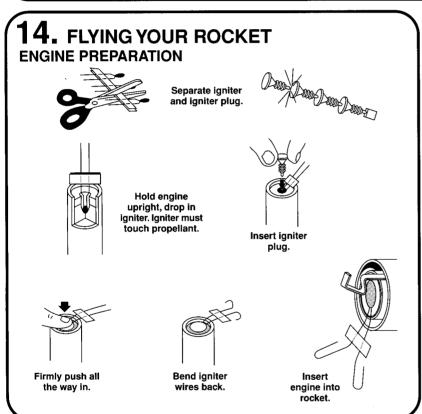
A. Use sanding sealer to fill and smooth balsa fins. (You may want to sand with 400-600 grit sandpaper and re-apply sealer until you are satisfied with finish.)



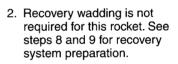








The Sizzler® rocket features rear ejection of the recovery system. The power pod is also ejected but returns with the rocket as one assembly.



NOTE: When flying your Sizzler®, be sure the shock cord is inserted and protected by the power pod.



LAUNCH SUPPLIES

To launch your rocket, you will need the following:

- Launch Pad (Estes Porta-Pad® II)
- Launch Controller (Estes Electron Beam®)
- Recommended Estes Engines: B4-2, B6-2, C5-3, C6-3 or C6-5.
 Use the B4-2 for your first flight to become familiar with your rocket's flight pattern.
- Igniters and Igniter Plugs (included with Estes engines)
 Use only Estes products to launch this rocket.

ENGINE	PROJECTED ALTITUDE	
i	Feet	Meters
B4-2	120	37
B6-2	135	41
C5-3	390	119
C6-3/C6-5	366	112

TIPS FOR FLYING YOUR ROCKET

- Choose a large field away from power lines, buildings, tall trees, and low flying aircraft. Try to find a field at least 76 meters (250 feet) square. The larger the launch area, the better your chance of recovering your rocket.
- Launch area must be free of dry weeds and brown grass.
- Launch only during calm weather with little or no wind (wind speed less than 30 kph - 20 mph) and good visibility.
- Don't leave parachute packed more than a minute or so before launch during cold weather (colder than 4° Celsius [40° Fahrenheit]).
 Parachute may be dusted with talcum or baby powder to avoid sticking.
- Always follow the National Association of Rocketry (NAR) MODEL ROCKETRY SAFETY CODE while participating in any model rocketry activities. The safety code is enclosed with this kit.

