

FLYING MODEL

ROCKET

EZX S E R I E S

ALMOST READY TO FLY

ASTRO SAT LSX"









MADE IN U.S.A.

Recommended for ages 10 and up with adult supervision for those under 12.





(3-97) 82112

EST 2133

AstroSat LSX™

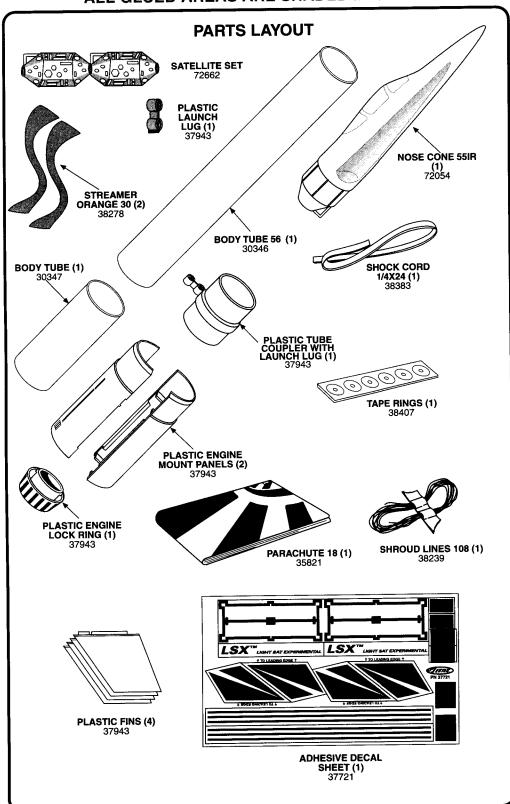
ALMOST READY TO FLY

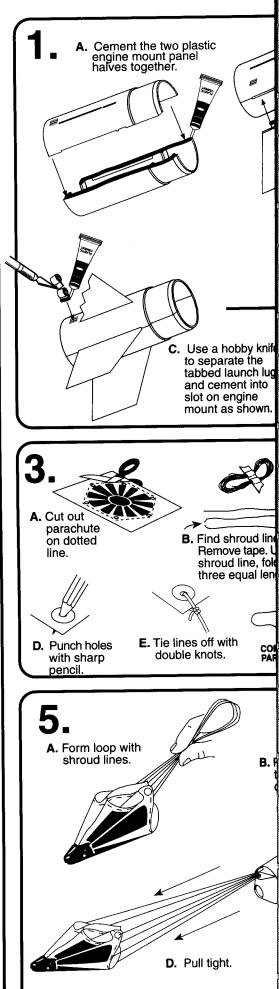
FLYING MODEL ROCKET KIT INSTRUCTIONS

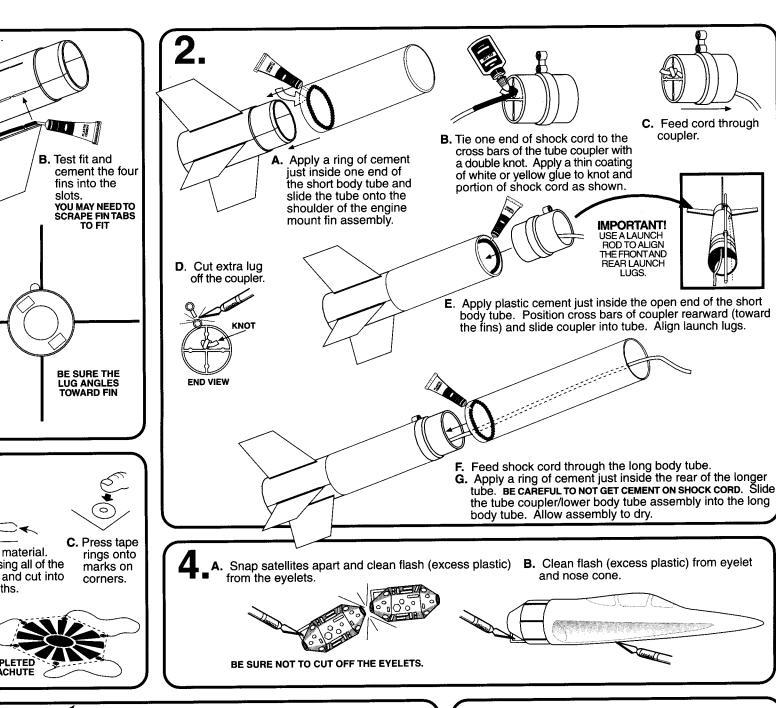
TOOLS REQUIRED:

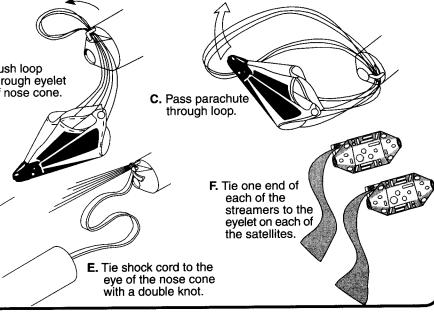
WHITE OR YELLOW GLUE, SCISSORS, PENCIL, HOBBY KNIFE, LAUNCH ROD, BLACK PERMANENT MARKER AND TUBE TYPE PLASTIC CEMENT.

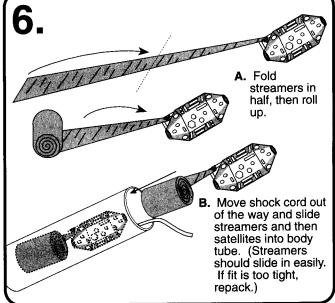
ALL GLUED AREAS ARE SHADED IN GRAY

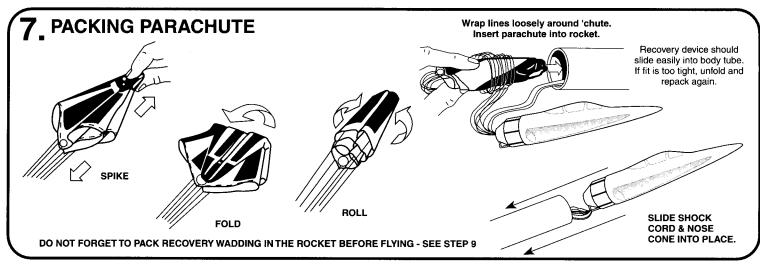


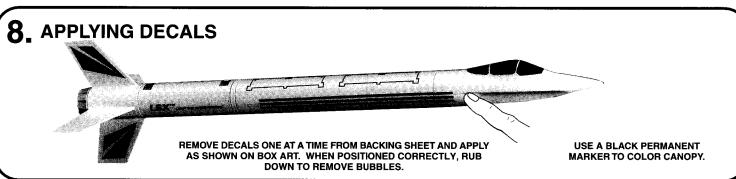


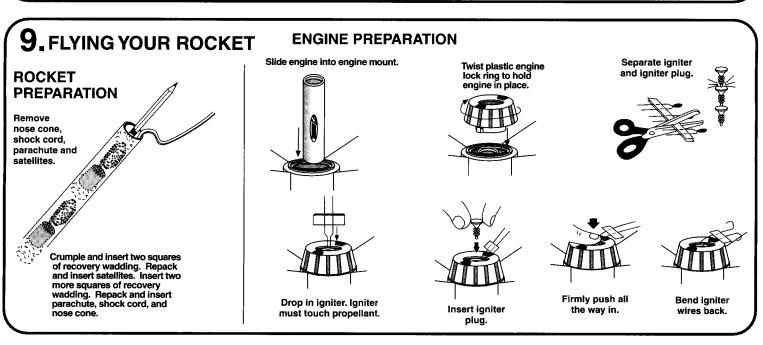












LAUNCH SUPPLIES

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, B6-4, or a C6-5. Use a B4-2 for your first flight to become familiar with your rocket's flight pattern.
- •Recovery Wadding (EST 302274)
 •Igniters and Igniter Plugs (included with Estes engines.) Use only Estes products to launch this rocket.

PROJECTED ALTITUDE	
Feet	Meters
176	54
196	60
500	152
	Feet

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 and good
- · 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
- 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.

COUNTDOWN AND LAUNCH Safety key must not be in launch controller. The safety cap with safety key attached should already be on the launch rod. 9... Remove safety cap from launch rod, slide launch lugs over rod. Make sure rocket slides freely and micro-clips are clean for good electrical contact. 8 ... Attach micro-clips to the igniter wires. Arrange the micro-clips so they do not touch each other or the metal blast deflector. Attach microclips as close to protective tape on igniter as possible. Move everyone back from your rocket as far as launch wire will permit (at least 5 meters - 15 feet). 6... Insert safety key to arm the launch controller. 5... Start audible countdown. 4...3...2...1.

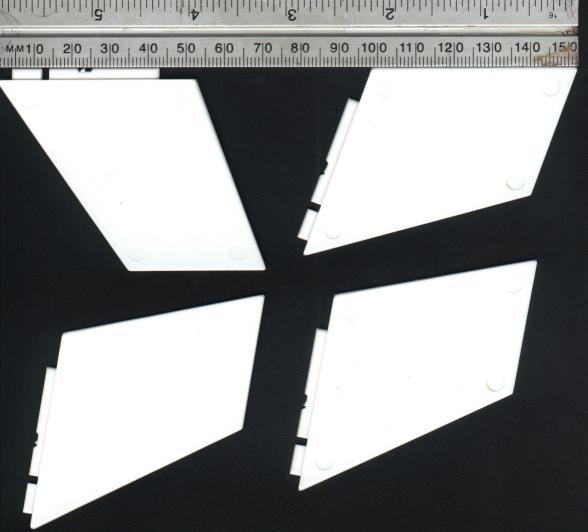
LAUNCH!

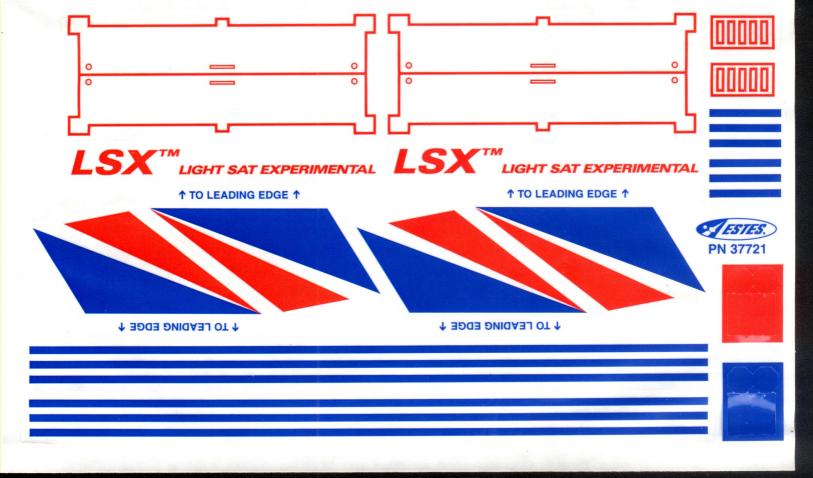
Push and hold button until engine ignites.

For safety, immediately remove safety key from launch controller and replace safety cap on launch rod.

MISFIRES

When an ignition failure occurs, remove the safety key from the launch control system and wait one minute before approaching the rocket. Remove the expended igniter from the engine and install a new one. Be certain the coated tip is in direct contact with the engine propellant. Broken or chipped coating will not affect the performance of the igniter. Reinstall the igniter plug as illustrated previously. Repeat the countdown and launch procedure.





S E R I E ALMOST READY T INSTRUCTIO RE SHADED IN AYOUT