

ESTES INDUSTRIES 1295 H Street Penrose, CO 81240 SUPER NOVA PAYLOADER™

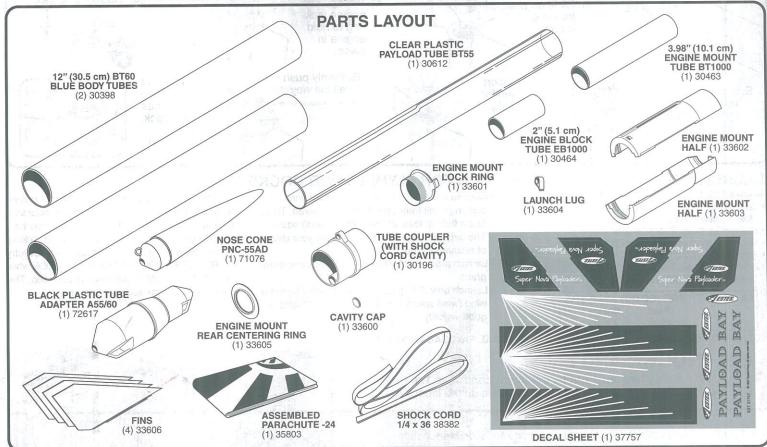
Flying Model Rocket Kit Instructions

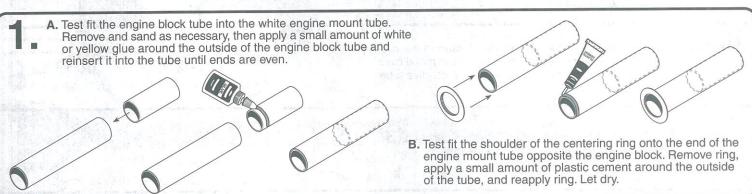
MATERIALS REQUIRED: TUBE-TYPE PLASTIC CEMENT, HOBBY KNIFE, WHITE OR YELLOW GLUE, MASKING TAPE, SANDPAPER, PAPER TOWEL

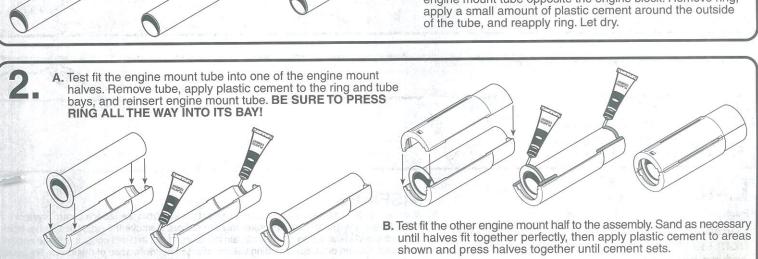
SERIES Skill Level 2

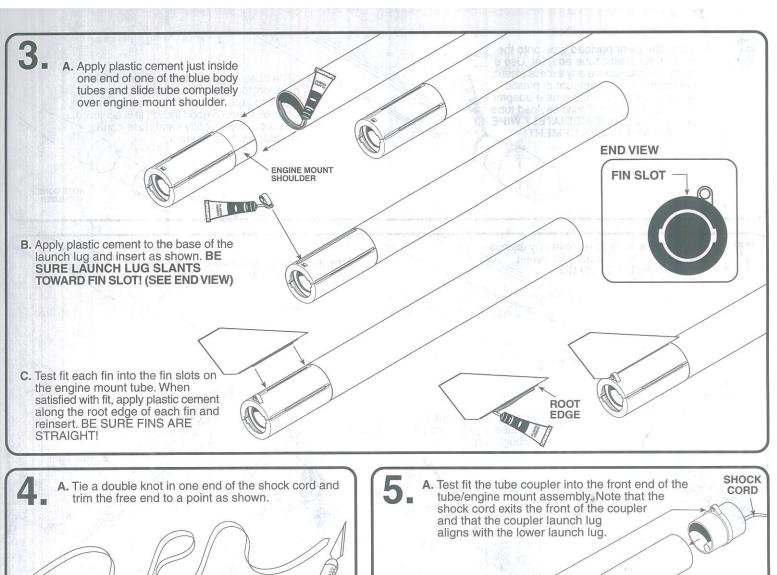
ALL GLUED AREAS ARE SHADED IN GRAY
Be sure to read all instructions, test fit all parts, and sand if necessary before gluing.

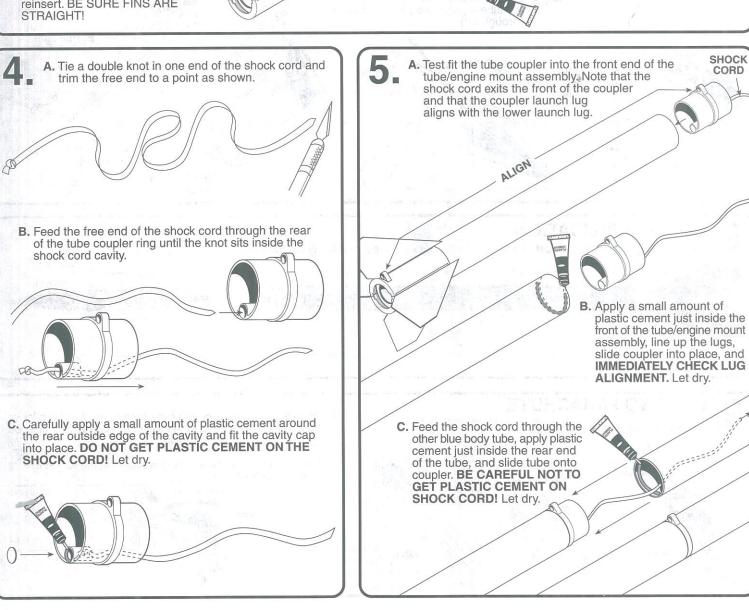
EST 2155 (4-98) 82219

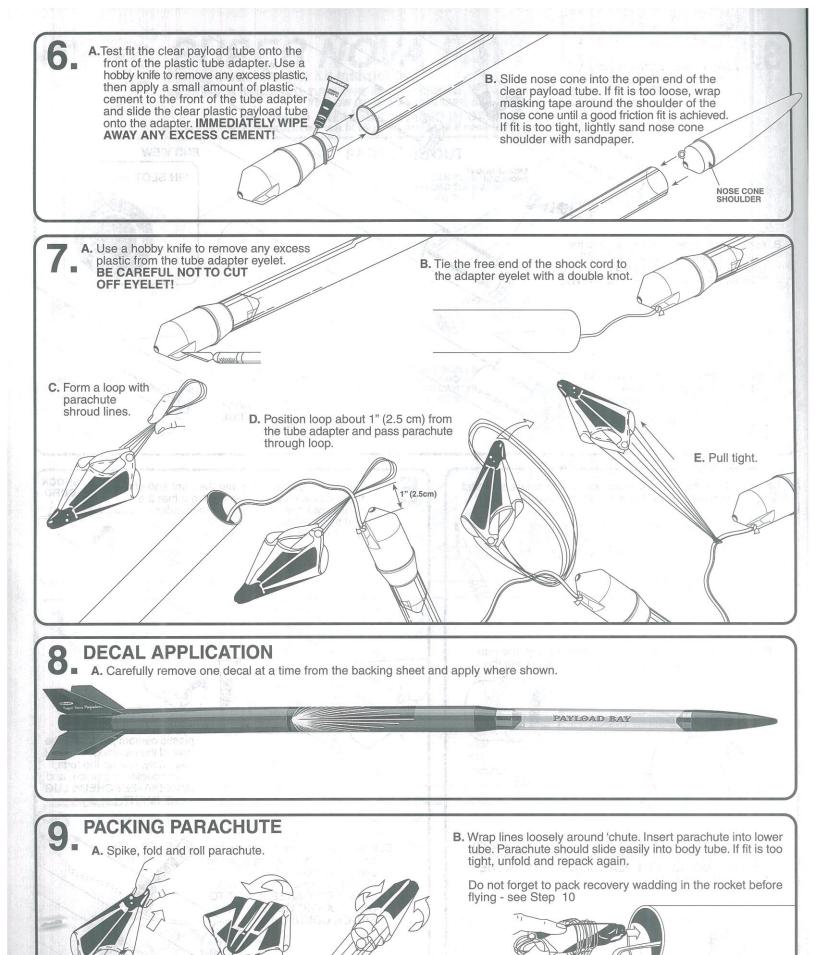






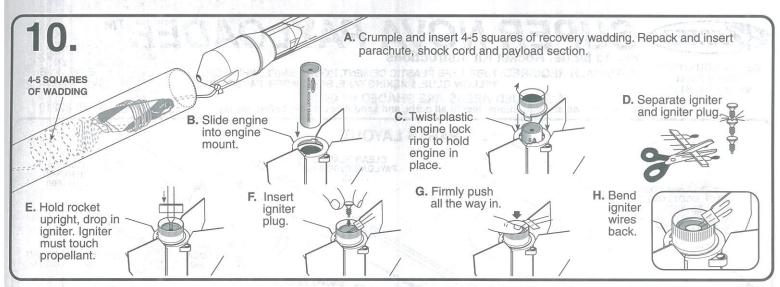






ROLL

FOLD



LAUNCH SUPPLIES

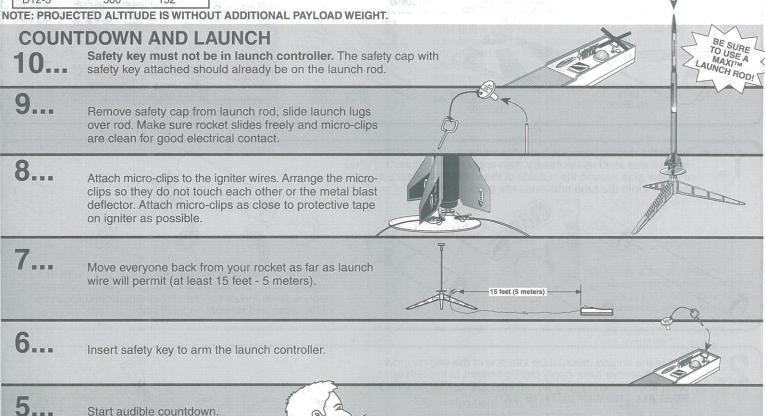
To launch your rocket, you will need the following:

- Launch Pad (Estes Porta-Pad[®] II) with 3/16" (5mm) Maxi™ Launch Rod
- Launch Controller (Estes Electron Beam[®])
- Recommended Estes Engine: D12-5 ONLY!
- Recovery Wadding (EST 302274)
- Igniters and Igniter Plugs (included with Estes engines)
 Use only Estes products to launch this rocket.

ENGINE	PROJECTED ALTITUDE	
	Feet	Meters
D12-5	500	152

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 250 feet (76 meters) 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 20 mph - 30 kph) and good visibility.
- Don't leave parachute packed more than a minute or so before launch during cold weather (colder than 40° Fahrenheit [4° Celsius]). 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.



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.