

MODEL ROCKE

EXPLIRER

SKILL LEVEL 2

SUPER NOVA

PAYLOADER

- Thunders into the Sky with Mighty "D" Engines!
- Huge 24 in. (60 cm)
 Assembled
 Parachute
 for Recovery!
- No Painting!



GIANT! 46.5 in. (118.1 cm) tall!



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

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Launch Payloads 500 Feet (152 m) High!

EST 2155



STRIES

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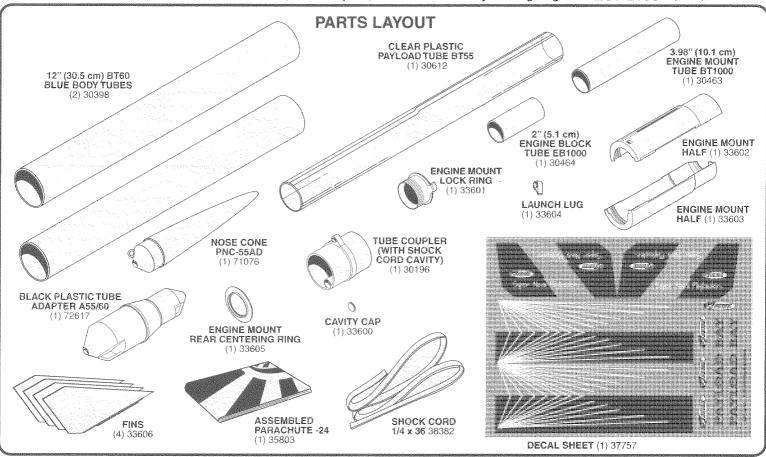
SUPER NOVA PAYLOADER**

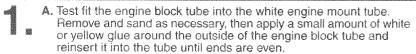
Flying Model Rocket Kit Instructions

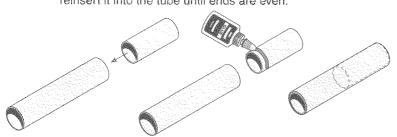
MATERIALS REQUIRED: TUBE-TYPE PLASTIC CEMENT, HOBBY KNIFE, WHITE OR YELLOW GLUE, MASKING TAPÉ, SANDPAPER, PAPER TOWEL Skill Level 2

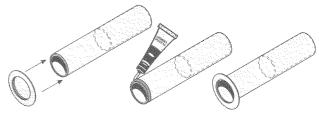
ALL GLUED AREAS ARE SHADED IN GRAY
Be sure to read all instructions, test fit all parts, and sand if necessary before gluing.

(4-98) 82219 **EST 2155**

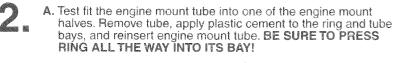


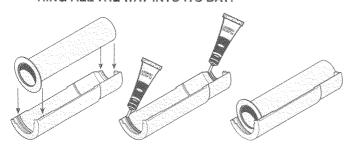


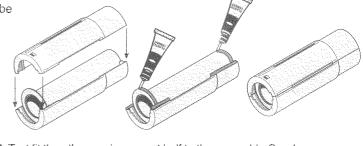




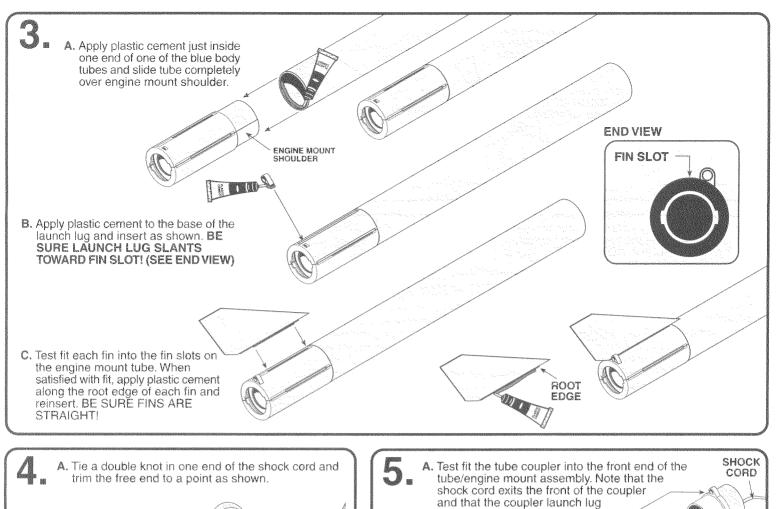
B. Test fit the shoulder of the centering ring onto the end of the engine mount tube opposite the engine block. Remove ring, apply a small amount of plastic cement around the outside of the tube, and reapply ring. Let dry.

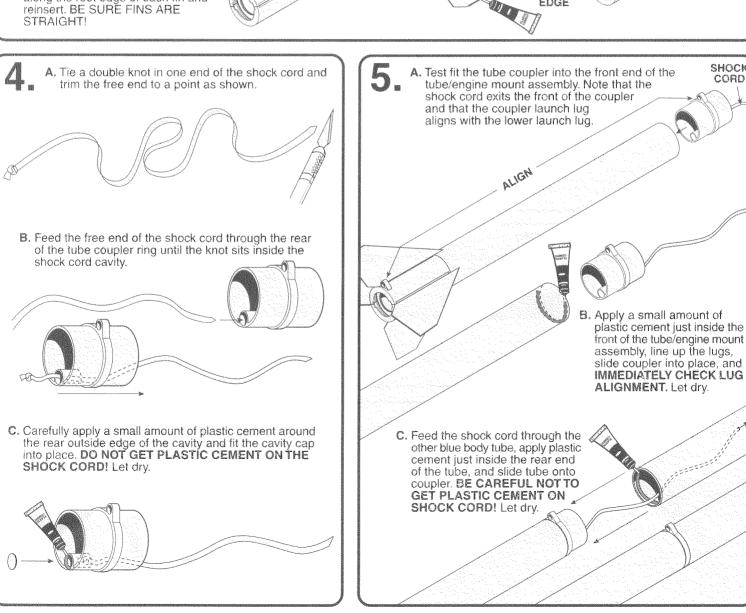


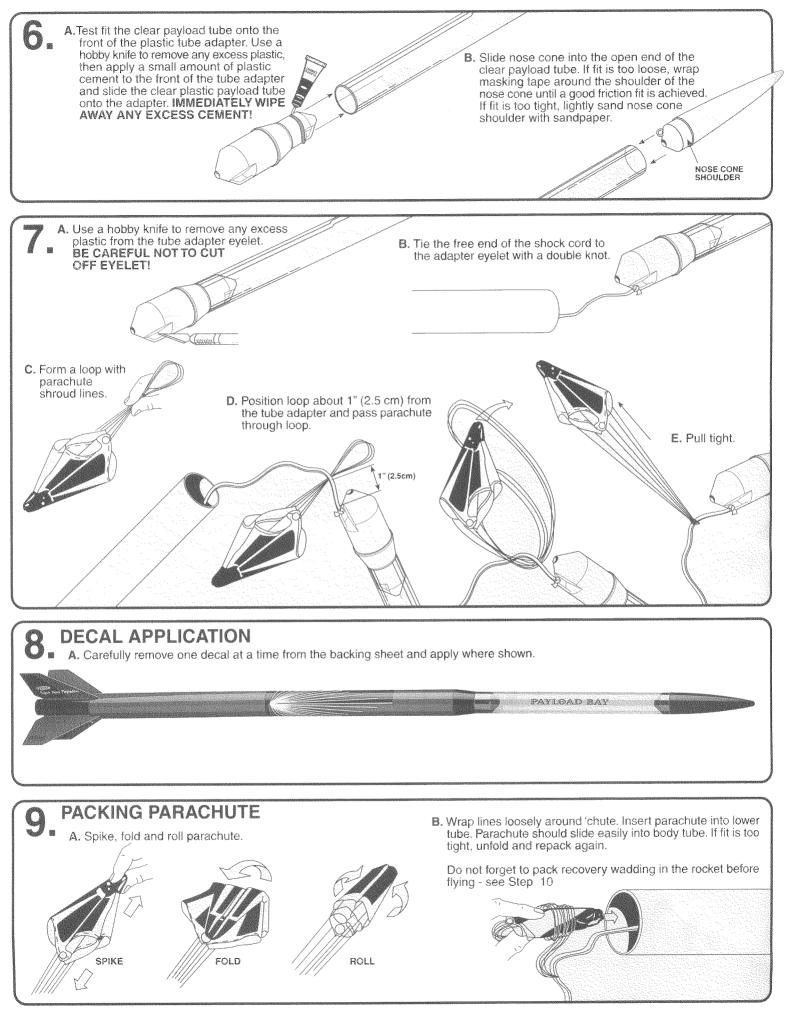


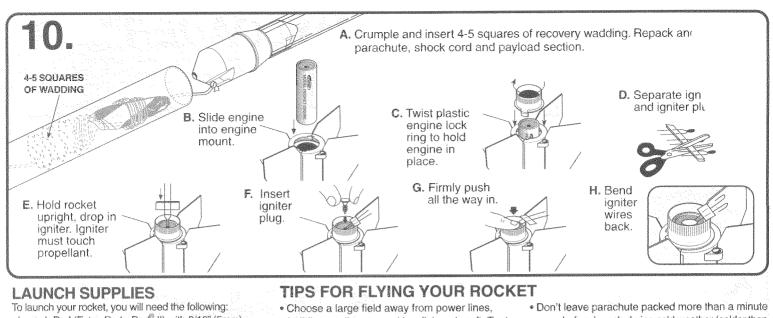


B. Test fit the other engine mount half to the assembly. Sand as necessary until halves fit together perfectly, then apply plastic cement to areas shown and press halves together until cement sets.





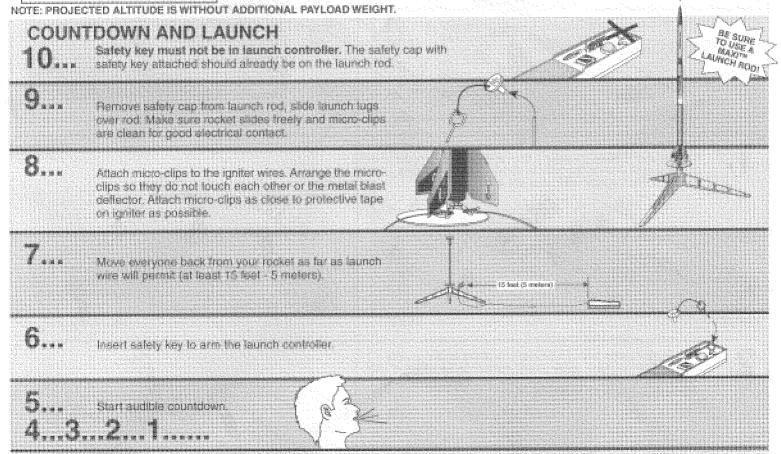




- Launch Pad (Estes Porta-Pad[®] II) with 3/16" (5mm) Maxi™ Launch Rod
- Launch Controller (Estes Electron Beam®)
- Recommended Estes Engine: D12-5 ONLY!
- . Recovery Wadding (EST 302274)
- Igniters and Igniter Plugs (included with Estes engines)
 Use only Estes products to launch this rocket.

ENGINE PROJECTED ALTITUDE Feet Melers D12-5 500 152

- 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.



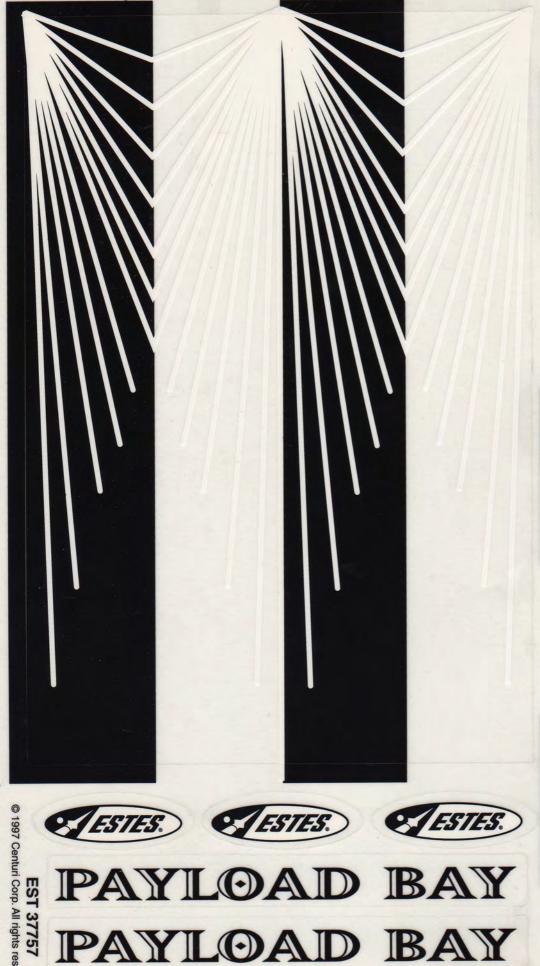
LAUNCH!

Push and hold button until engine ignities.

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 to is in direct contact with the engine propelant. Broken or chipped deating will not affect the performance of the igniter. Reinstall the igniter plug as illustrated previously. Repeat the countdown and launch procedure.



Super Nova

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> C. ESTES. a Payloader TW

SESTES.

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