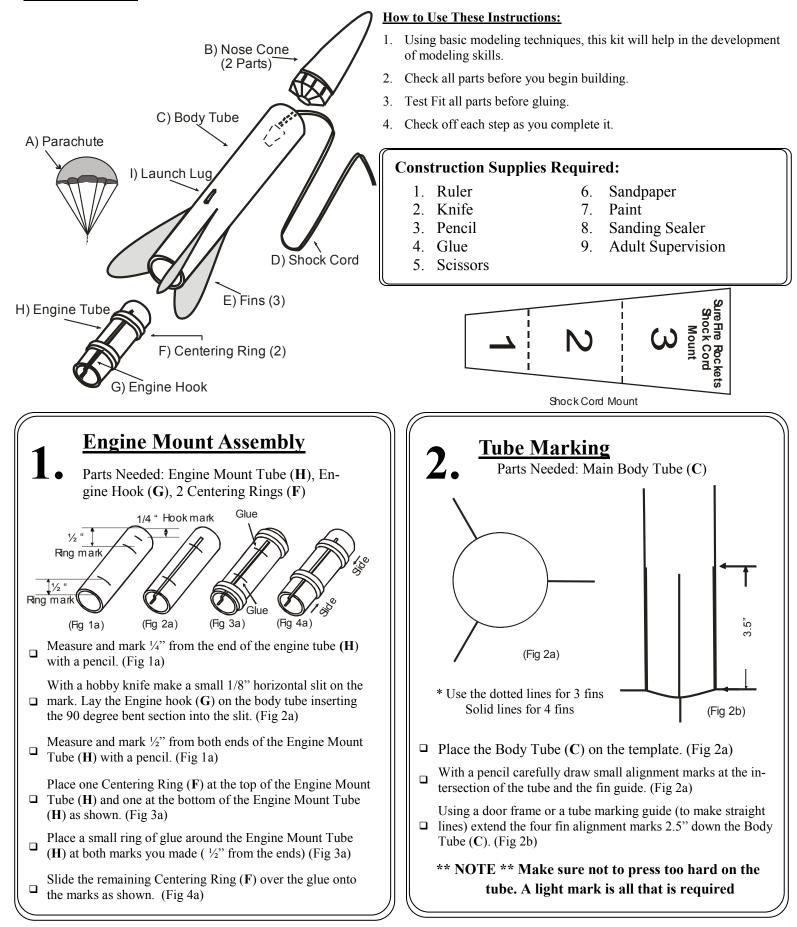
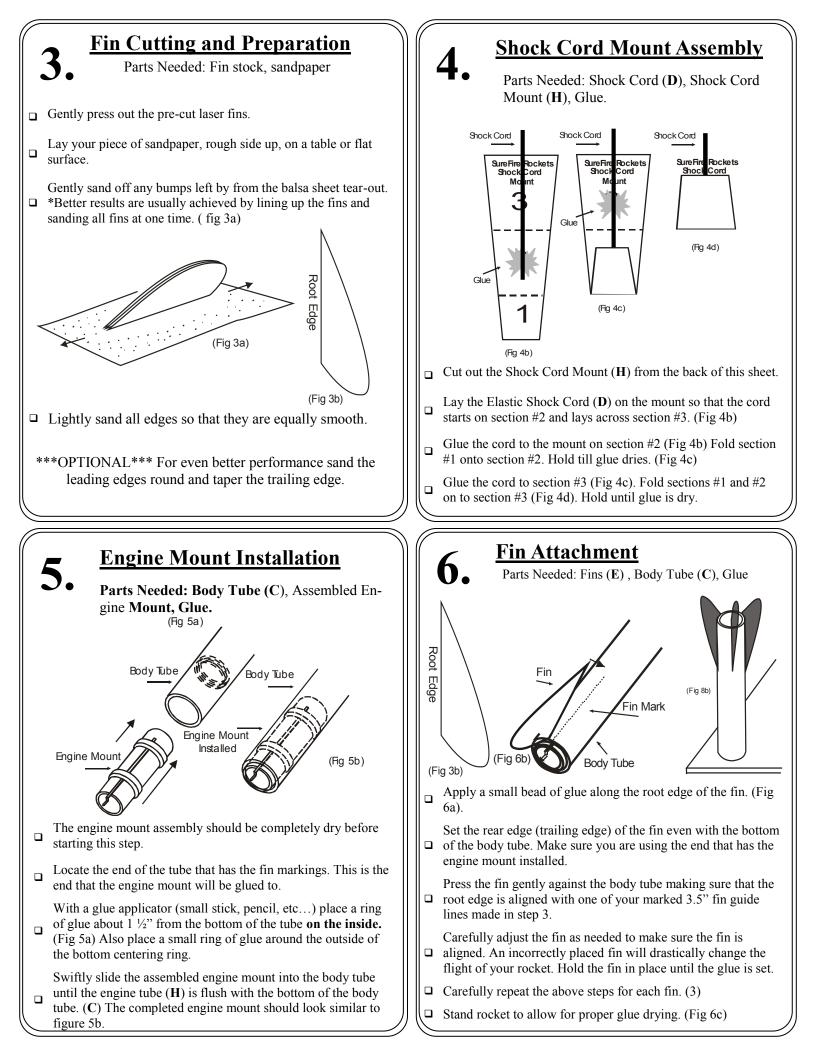
The Solar Spy Rocket

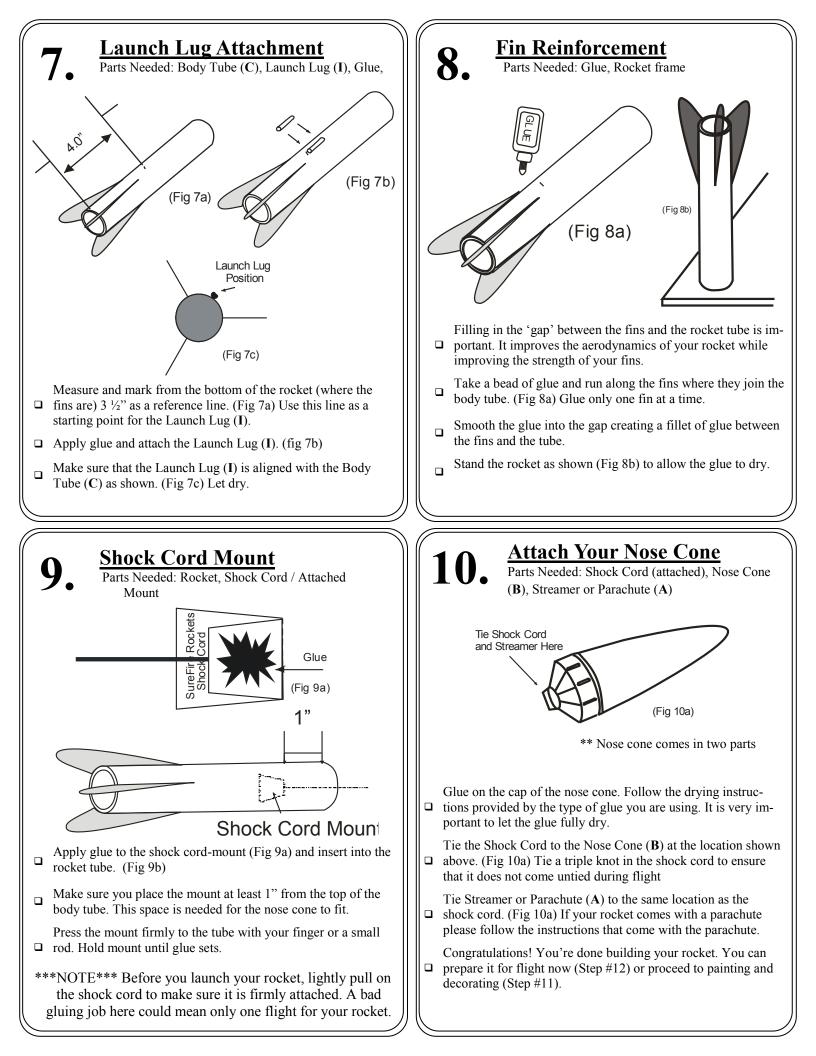
Flying Model Rocket Kit Instructions



Expanded View







Painting your Rocket Parts Needed: Assembled Rocket. Colors.

Painting and detailing your new rocket is a personal choice. You can paint the rocket with any hobby quality acrylic or enamel paint or rocket can be colored with markers.

Tips on painting or coloring your rocket:

- 1. If you are going to Paint your rocket you need to use Sanding Sealer on the fins first. Sanding Sealer will allow you to paint the rocket without the paint soaking into the wood. Thus allowing you to get a glossy look to your paint.
- 2. When spraying your rocket make sure to keep the spray can 12 inches from the rocket.
- 3. Make long sweeping strokes starting before the part you are painting and stopping after.
- 4. Only do one coat at a time. Several thin coats are better than one thick coat that will run.
- 5. Make sure to paint outside or in a well ventilated area.
- 6. Adult supervision is required for children under 12 for painting and for children under 8 for using Markers.

Launch Supplies

To Launch your rocket you will need the following items:

- \Box A Launch controller and Launch pad with a 1/8" launch rod.
- Two to three sheets of recovery wadding for each additional flight.

Recommended engines: As listed online / It is recom-

 \Box mended that you use smaller engines such as the A8-3 for your first flight in order to check your rockets flight pattern.

14. <u>Rocket Flight</u>

Choose a large field with no power lines or trees. Try to find a field that is at least 650 feet square. The larger the field the less rockets lost. Launch your rocket during calm days only. If windy make sure you aim your rocket into the wind to adjust for drift after the recovery device has been deployed.

Always make sure to follow any local laws and the NAR model rocketry safety code.

You are Done!!

Congratulations on successfully building your SureFire **Rocket!** Please take a minute to read the following pre-flight information to ensure a successful flight of your rocket.

Preparing Your Rocket for Flight

- Crumple and insert two to three sheets of wadding into the nosecone end of your rocket.
- □ Push the wadding inside the body tube using a pencil or pen.
- Fold the streamer in three-inch lengths and insert into your body tube.
- Stick the remaining shock cord in the tube and insert the nose cone.

** NOTE ** Streamer and wadding should fit loosely into the tube.

Preparing Your Engine for Flight

- Holding your engine upright insert the igniter until it makes contact with the propellant. (This is usually about $\frac{1}{4}$ to $\frac{1}{2}$ inch).
- Insert igniter plug into the engine. Firmly push the plug all the way in.
- □ Bend igniter wires back and insert the engine into your rocket.
- □ Your rocket is now ready for flight!

Rocket Launch 15.

- 1. Make sure the safety key is not in the launch controller.
- 2. Slide your rocket onto the launch pad making sure the launch lug slides freely over the launch rod.
- 3. Attach the wires from the launch controller to your igniter. Make sure the clips are separated (for Estes igniters) and not touching the blast deflector plate.
- 4. Make sure everyone is at least 15 feet back from the launch pad.
- Insert the safety key and depress it so the light comes on.

Give an audible countdown 5.....4.....3.....2.....1....BLAST OFF !!!!

(press the button)