0653

INTERMEDIATE

KEEP FOR FUTURE REFERENCE

IMPORTANT: Please record date found on decal and keep for future reference.

READ ALL INSTRUCTIONS. Make sure you have all parts and supplies. Test fit all parts before applying glue. Refer to your glue manufacturer's dry times during build.

SUPPLIES























PENCIL

HOBBY KNIFE

FINE SANDPAPER BLOCK

YELLOW GLUE

PLASTIC GLUE

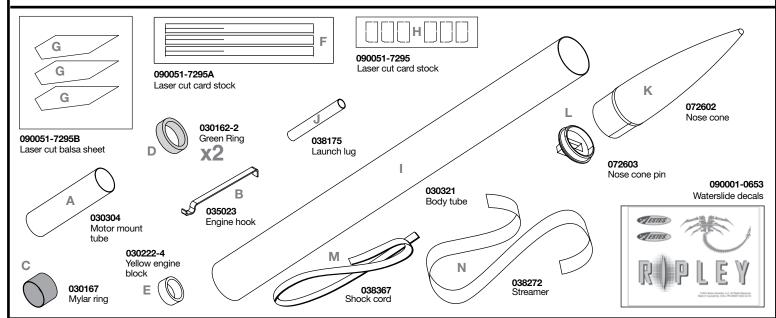
WAX PAPER

SCISSORS

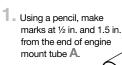
CLEAR TAPE

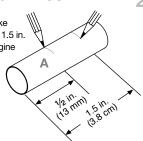
PRIMER

GREEN & BLACK PΔINT

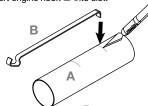




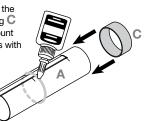




2. Using a sharp hobby knife, make an 1/8 in. cut at the 1.5 in. pencil mark. Insert engine hook B into slot.



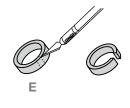
3. Apply glue just forward of the ½ in. mark. Slide mylar ring C over the end of engine mount tube A until the ring aligns with the ½ in. mark.



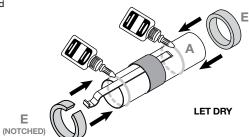
4. Apply glue to the inside of engine mount tube A. Insert engine block C until it rests against the engine hook.

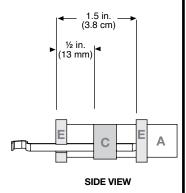


5. Use one of the green rings D and cut a notch at least 1/8 in. wide.

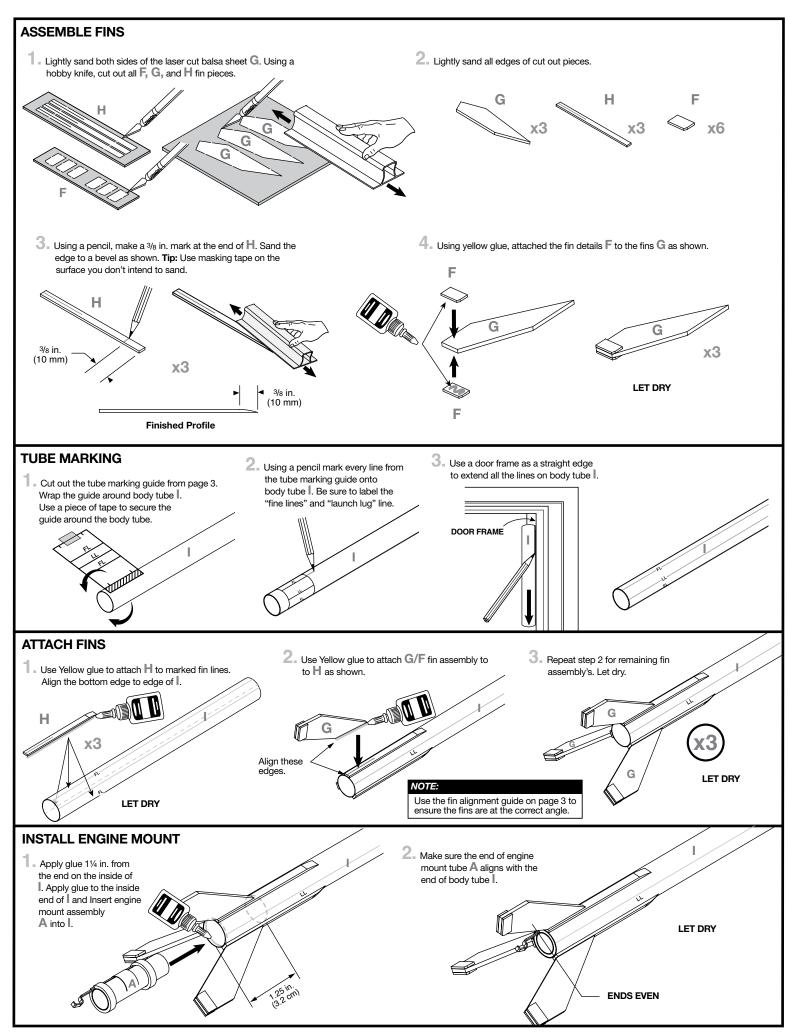


Apply glue as shown. Slide the (notched) E ring over A until ends are even. Slide the full E ring over the other end of A until it touches engine hook.

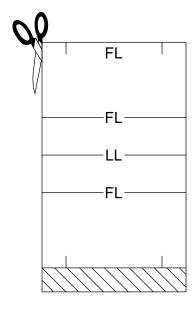


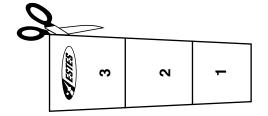


Ε



TEMPLATES



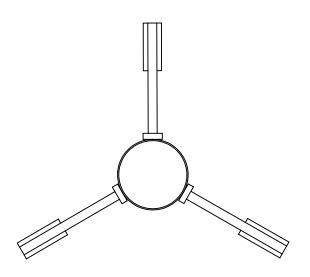


SHOCK CORD ANCHOR

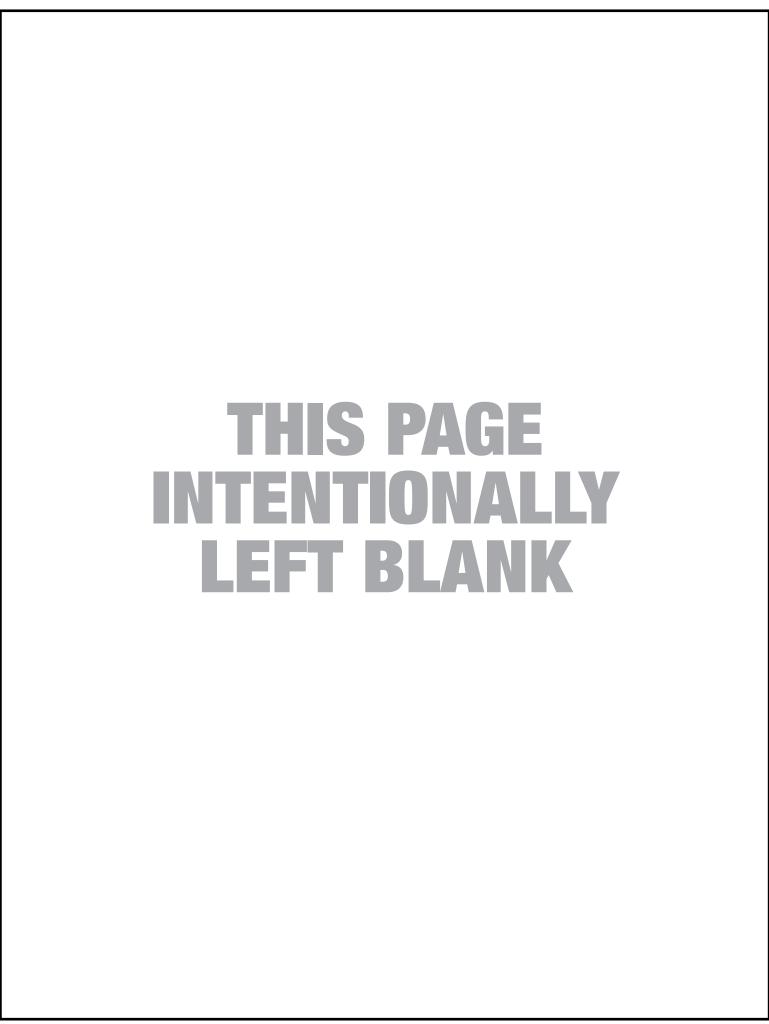
FIN MARKING GUIDE

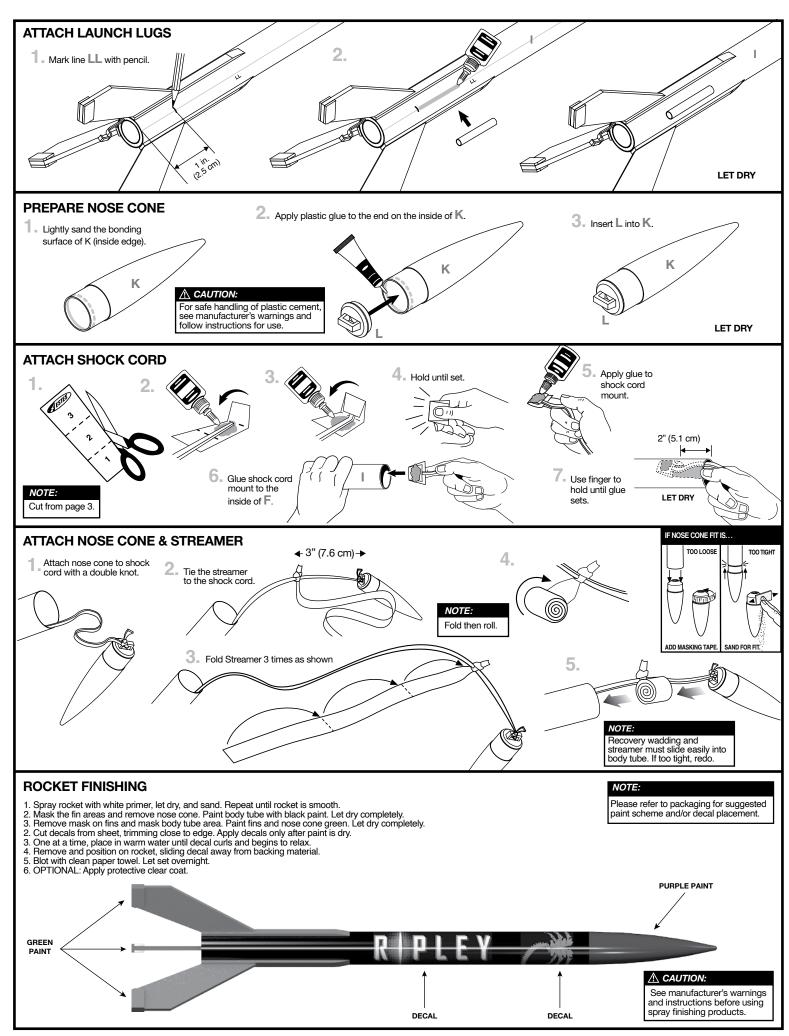


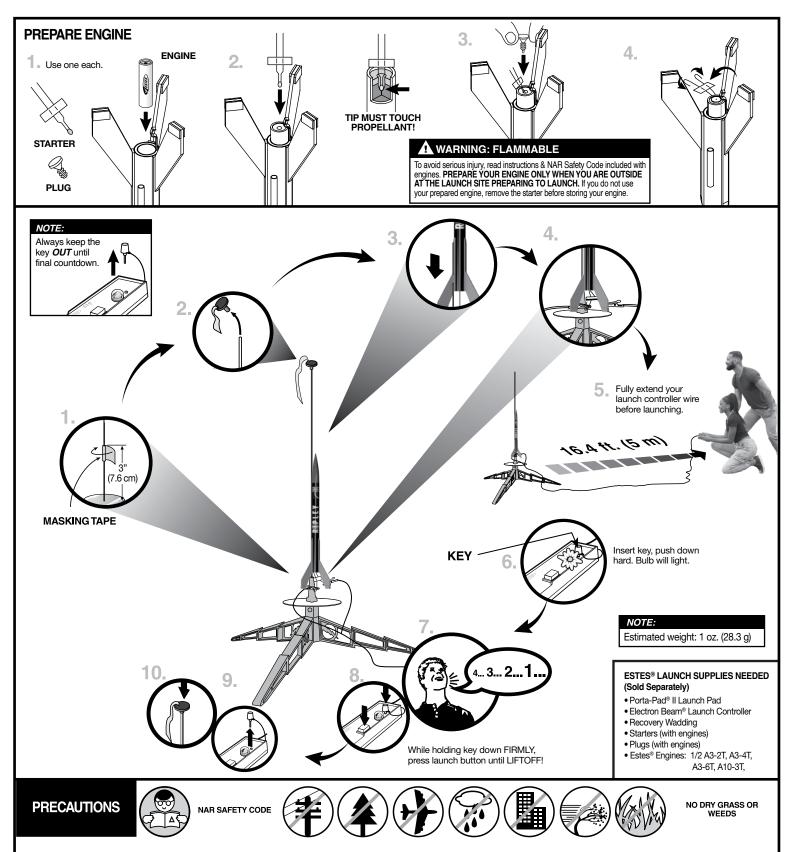
Save this section for fin alignment



FIN ALIGNMENT GUIDE 1:1







PRE-LAUNCH CHECK For safety, never launch a damaged rocket. Check the rocket's body, nose cone and fins. Also, check the engine mount, recovery system and launch lug(s). Repair any damage before launching the rocket.

FLYING YOUR ROCKET Choose a large field (500 ft. [152 m] square) free of dry weeds and brown grass. The larger the launch area, the better your chance of recovering your rocket. Launch only with little or no wind and good visibility. Always follow the National Association of Rocketry (NAR) SAFETY CODE (enclosed).

MISFIRES TAKE THE KEY OUT OF THE CONTROLLER. WAIT ONE MINUTE BEFORE GOING NEAR THE ROCKET. Disconnect the micro-clips and remove the engine. Take the plug and starter out of the engine. A burned starter means the starter tip was not touching engine propellant. Install a new starter; be sure the tip is touching propellant inside the engine. Push the plug in place. Repeat steps under Countdown and Launch.

PAP