

EstesRockets.com





Skill Level

INTERMEDIATE

MODEL ROCKET INSTRUCTIONS

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

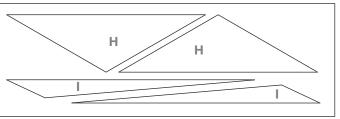








SILVER PAINT TRANSPARENT BLUE PAINT



090051-9992A Laser cut balsa **X2**









Metal nose







070255

M



WHITE PRIMER

090051-9992B Laser cut balsa







030164-2 Green adapter ring

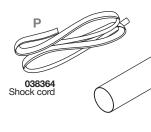


030168 Mylar retainer



038176 **X2**



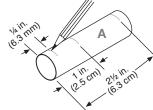






ASSEMBLE ENGINE MOUNT

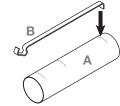
f 1 . Mark engine tube f A with a pencil at 1/4 in., 1 in., and 21/2 in. from the end of the tube.



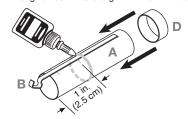
2. Using a hobby knife, cut a $\frac{1}{8}$ in. slot into tube A at the 21/2 in. pencil mark.



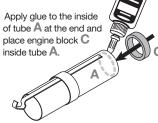
3. Insert engine hook B into the slot cut into tube A.



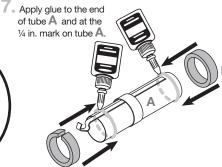
4. Apply glue just past the 1 in. pencil mark on tube **A** and slide mylar retainer ring **D** over engine hook **B** and align with the 1 in. mark.



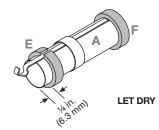
5. Apply glue to the inside place engine block C

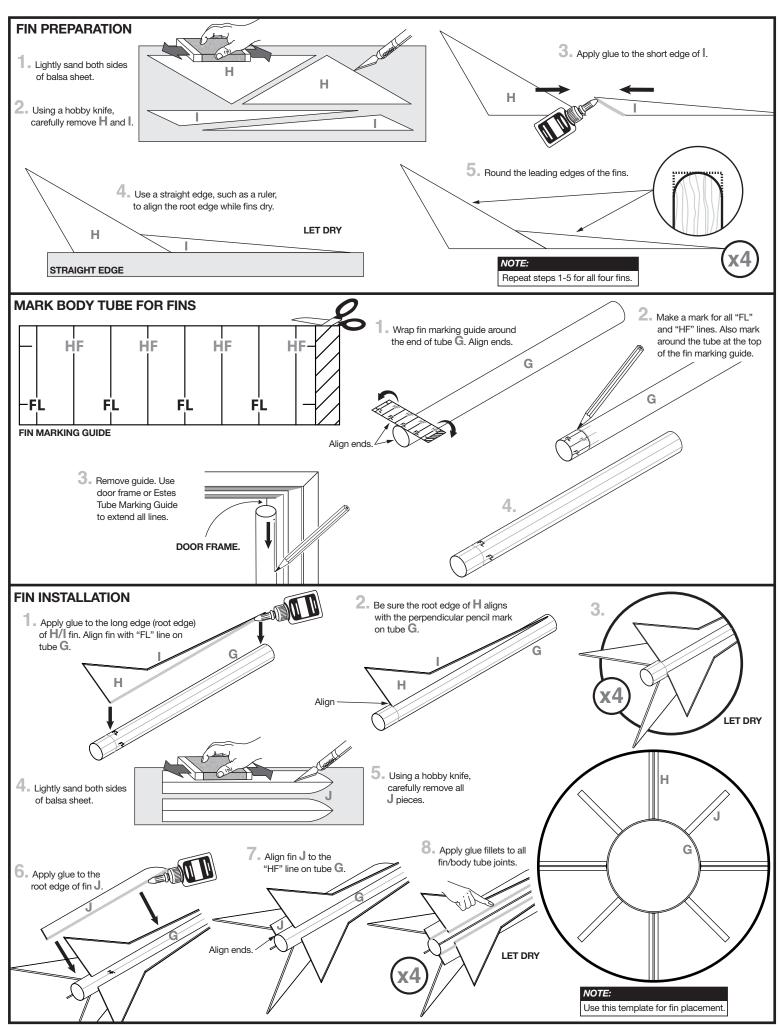


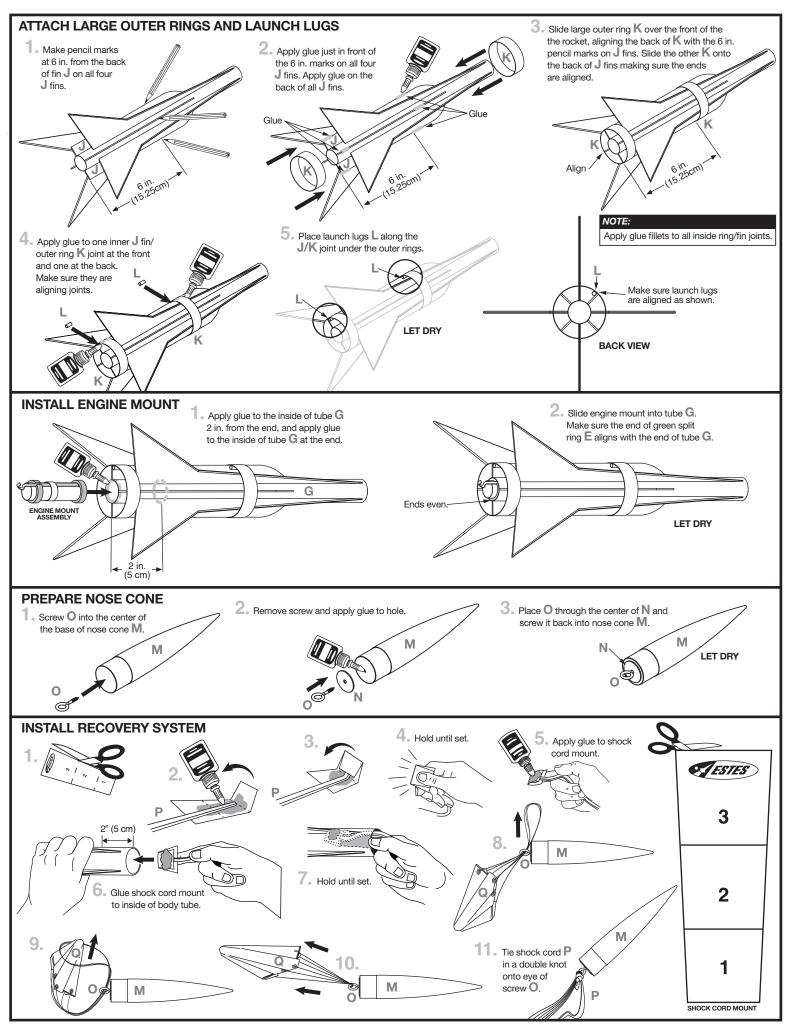


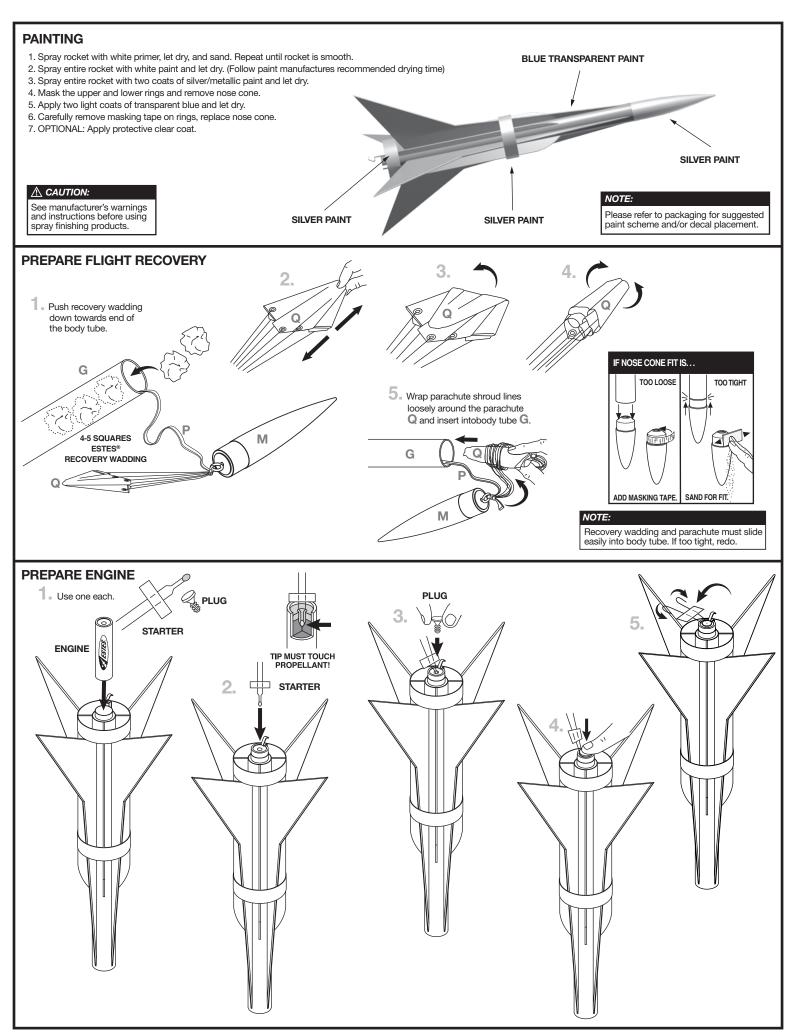


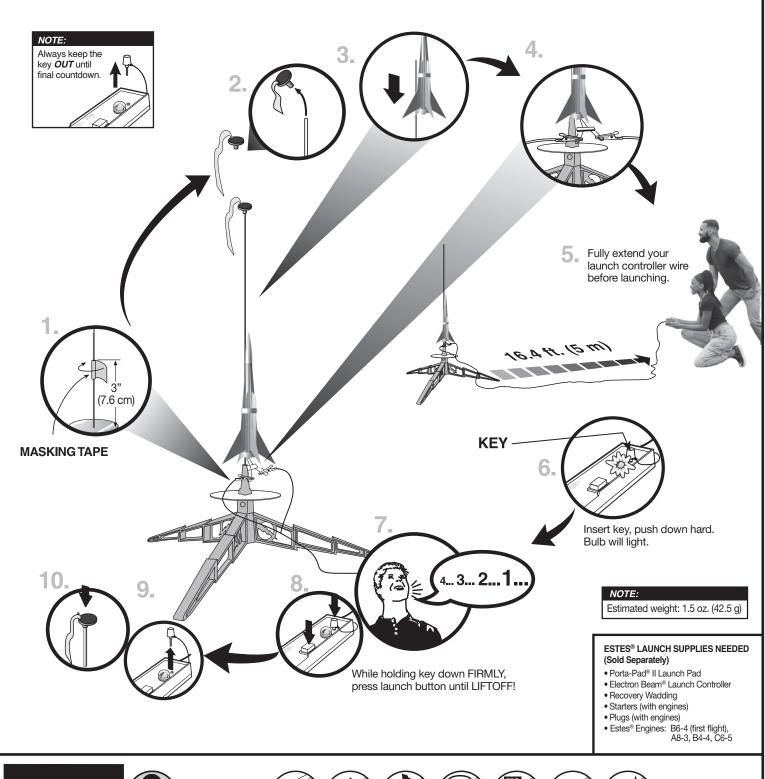
8. Place green split adapter ring **E** over the end of tube A around the engine hook and align with 1/4 in. mark. Place green adapter ring **F** over the end of tube **A**. Align ends.















NAR SAFETY CODE















NO DRY GRASS OR WEEDS

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.

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