# **K25 ASTRON ALPHA™**

1221

Skill Level

INTERMEDIATE

#### MODEL ROCKET INSTRUCTIONS

#### **KEEP FOR FUTURE REFERENCE**

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



May not apply to all kits. For safe handling of plastic cement, epoxy, spray adhesive, CA glue, CA accelerator, paint/finishing materials, see manufacturer's warnings and follow instructions for use. To avoid injury, use extreme caution when using hobby knife, scissors, drills, and any cutting tools.

#### **SUPPLIES**



















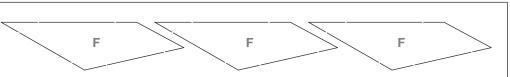


A

030408 Engine mount tube



(OPTIONAL)

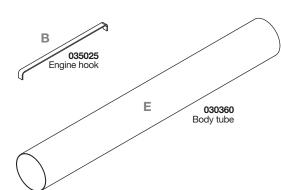


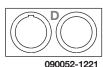


090051-1221 Laser cut balsa fins

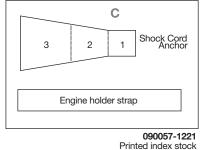


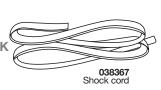
G





090052-1221 Laser cut spacer rings

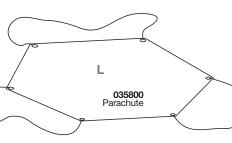








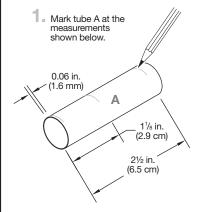
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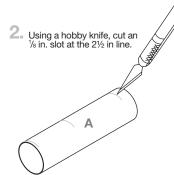


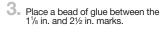
#### **ASSEMBLE ENGINE MOUNT**

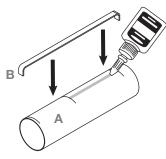
090001-1

Estes logo decal

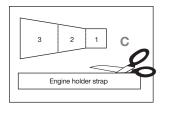


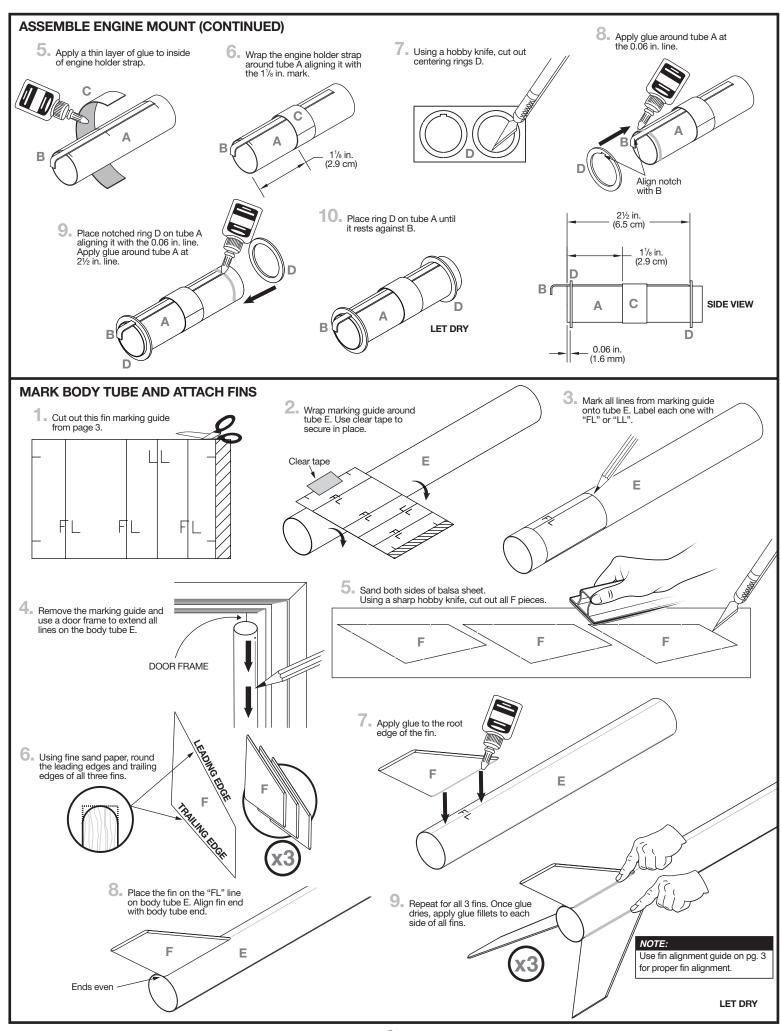


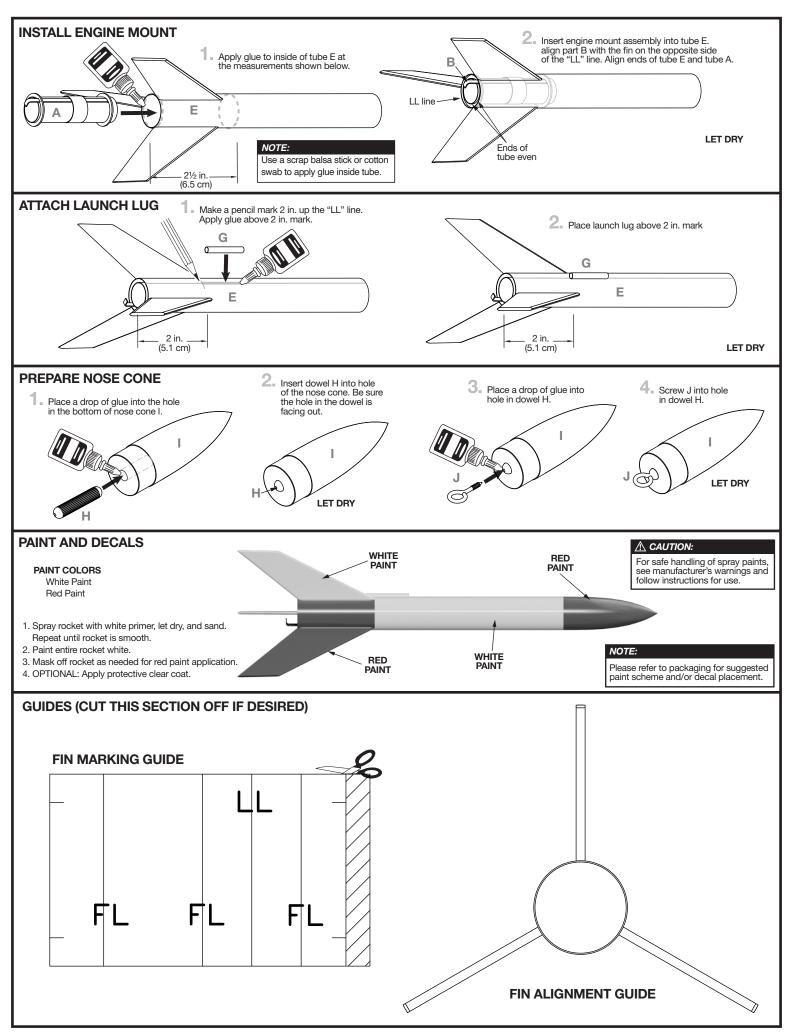




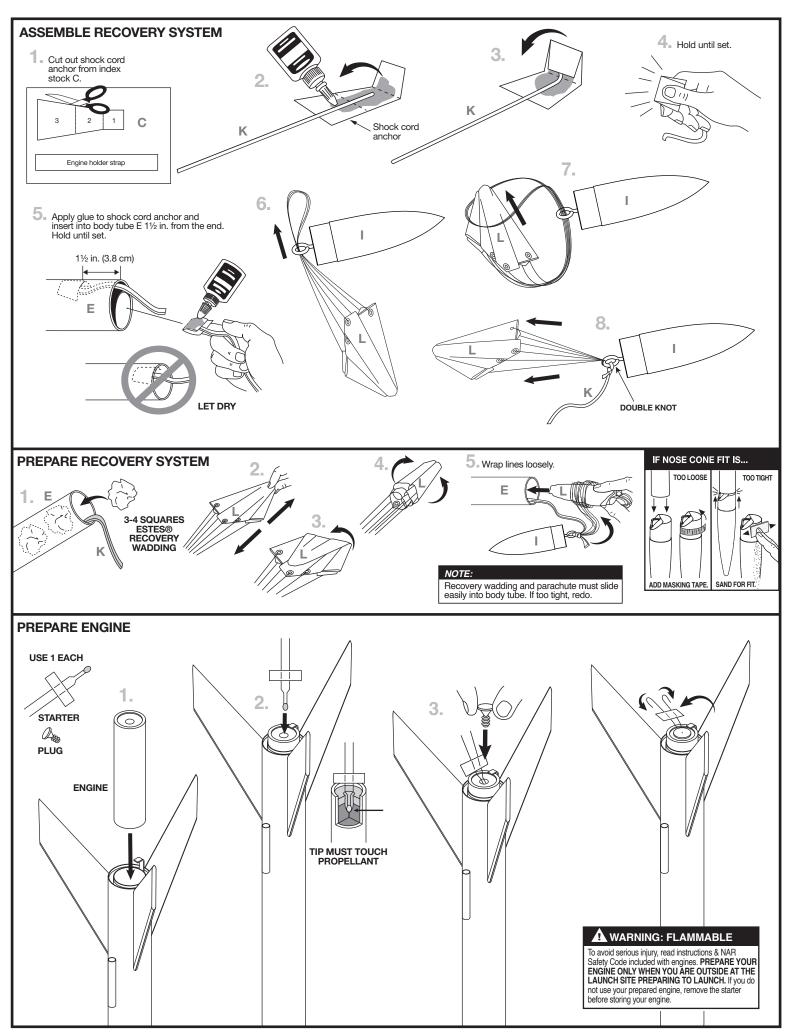
Cut out engine holder strap from index stock C.











## COUNTDOWN AND LAUNCH NOTE: Always keep the key *OUT* until final countdown. Fully extend your launch controller wire before launching. KEY **MASKING TAPE** Insert key, push down hard. Bulb will light. ... 3... **2... 1** Estimated weight: 0.8 oz. (21.5 g) ESTES® LAUNCH SUPPLIES NEEDED (Sold Separately) While holding key down FIRMLY, • Porta-Pad® II Launch Pad press launch button until LIFTOFF! • Electron Beam® Launch Controller • Recovery Wadding • Starters (with engines) • Plugs (with engines) • Estes® Engines: A8-3, B6-4, C6-5, C6-7

### PRECAUTIONS



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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