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Estes® Industries 1295 H Street Penrose, CO 81240 Printed In China

# U.S.ARMY

FLYING MODEL ROCKET KIT EST 2056/1248 **INSTRUCTIONS** 

KEEP FOR FUTURE REFERENCE

#### **ASSEMBLY TIP**

Read all instructions before beginning work on your model. Make sure you have all parts and supplies.

### **TEST-FIT ALL PARTS TOGETHER BEFORE** APPLYING ANY GLUE.

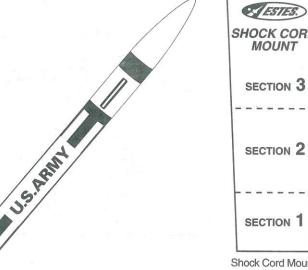
If any parts don't fit properly, sand as required for precision assembly.

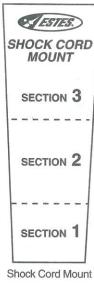
#### **PARTS**

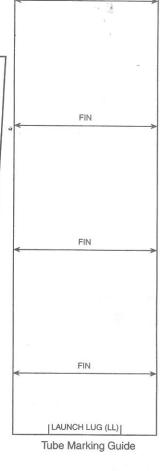
Locate the parts shown below and lay them out on the table in front of you.

DO NOT USE THIS DRAWING TO ASSEMBLE YOUR ROCKET.





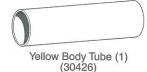


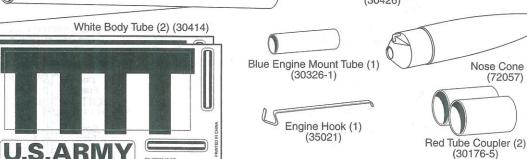


FIN

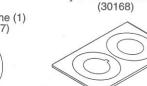


**U.S.ARMY** 



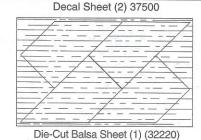








Mylar Retainer Ring (1)











Assembled Parachute Launch Lug (1) (38178) 12" (30 cm) (1) (35801)

SUPPLIES In addition to the parts included in the kit you will also need:





















SCISSORS

SAND PAPER (#400-600 GRIT)

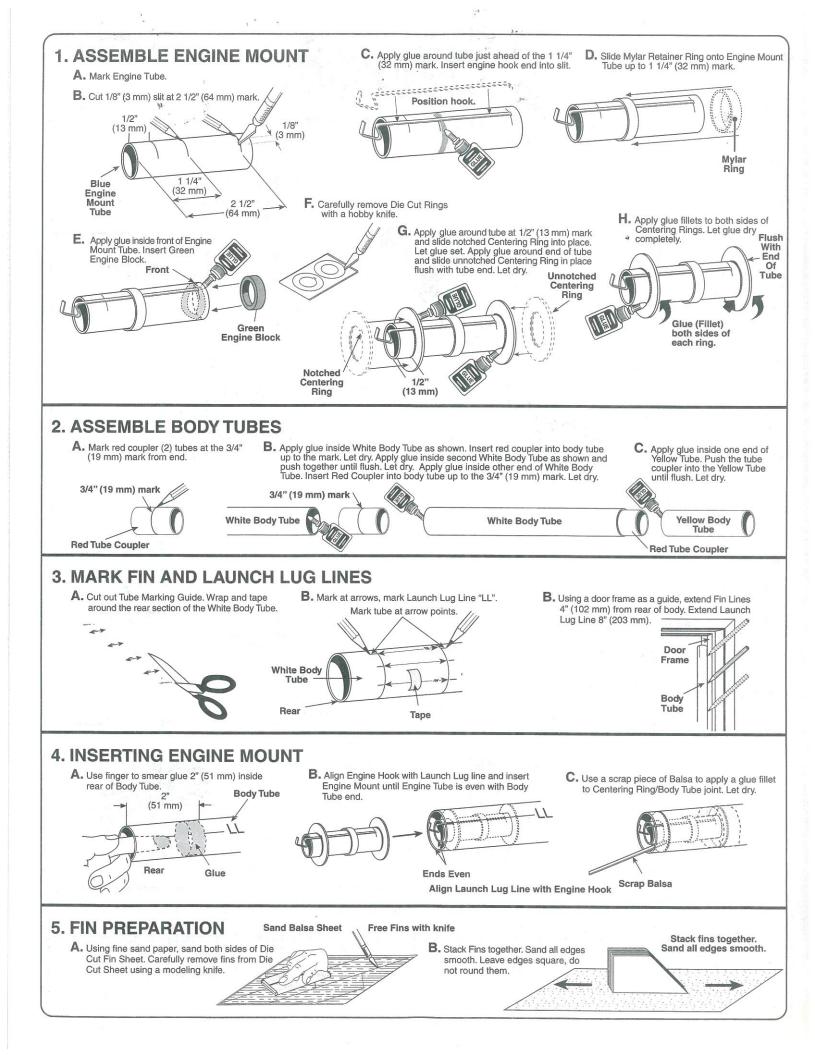
CARPENTER'S GLUE

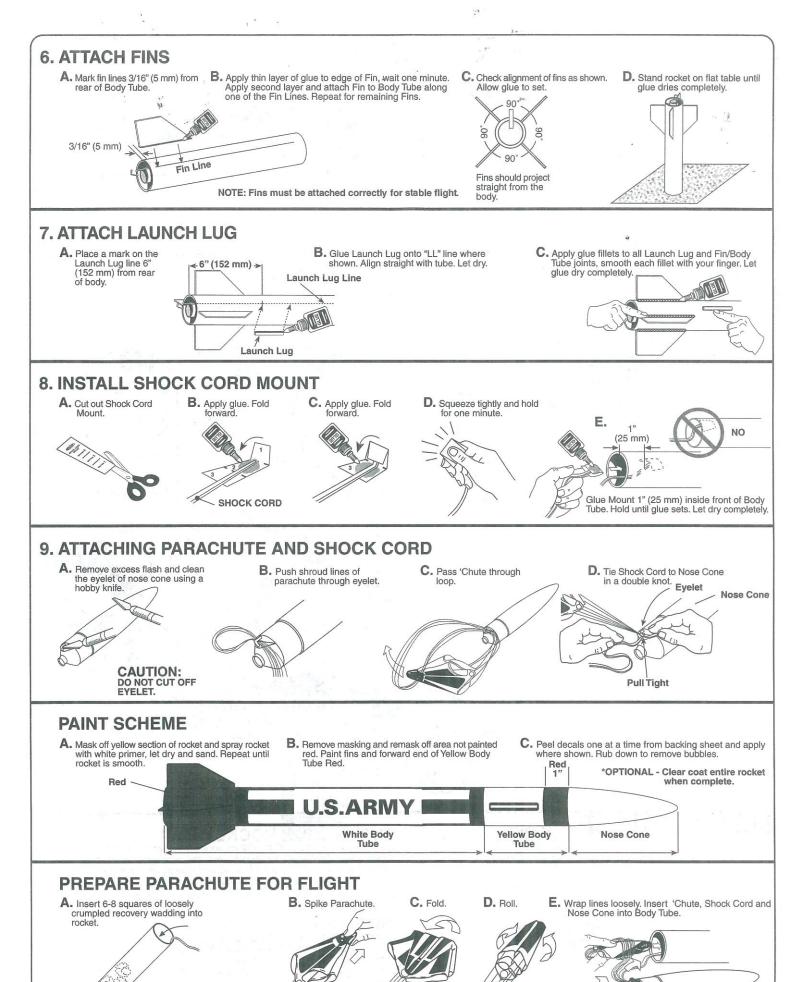
MODELING

SPRAY PRIMER (WHITE)

SPRAY PAINT: (RED)

SPRAY





NOTE: Use Estes Wadding (EST 302274) Only.

#### PREPARE ENGINE

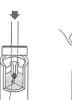
#### MARNING: FLAMMABLE

To avoid serious injury, read instructions & NAR Safety Code included with

engines.
PREPARE YOUR ENGINE
ONLY WHEN YOU ARE
OUTSIDE AT THE LAUNCH
SITE PREPARING TO LAUNCH! If you do not use your prepared engine, remove the igniter before storing your engine.



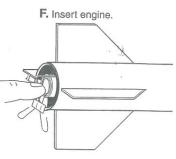
B. Tip must touch propellant





D.





#### COUNTDOWN AND LAUNCH



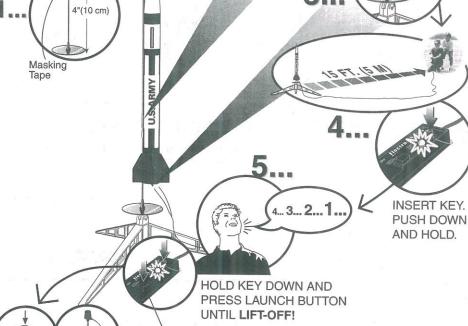
**KEY ALWAYS OUT UNTIL** FINAL COUNTDOWN!



#### **LAUNCH SUPPLIES**

(Sold Separately)

- Porta Pad® II Launch Pad
- Electron Beam® Launch Controller
- · Recovery Wadding
- · Igniters (with Engines)
- · Igniter Plugs (with Engines)
- Recommended Estes® Engines: A8-3, B4-4, B6-4, C6-5



## **PRECAUTIONS**

NAR Safety Code

















NO DRY GRASS OR WEEDS

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. Football fields and playgrounds are great. Launch only with little or no wind and good visibility.

Always follow the National Association of Rocketry (NAR) Safety Code.

#### **MISFIRES**

LAUNCH BUTTON

TAKE THE KEY OUT OF THE CONTROLLER. WAIT ONE MINUTE BEFORE GOING NEAR THE ROCKET! Disconnect the igniter clips and remove the engine. Take the plug and igniter out of the engine. If the igniter has burned, it worked but did not ignite the engine because it was not touching the propellant inside the engine. Put a new igniter all the way inside the engine without bending it. Push the plug in place. Repeat the steps under Countdown and Launch.