

Estes Industries 1295 H Street Penrose, CO 81240

Printed In China

### **ASSEMBLY TIP**

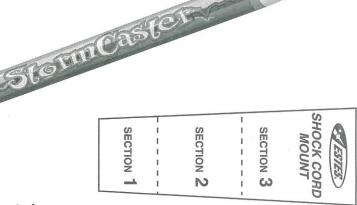
Read all instructions before beginning work on your model. Make sure you have all parts and supplies.

TEST-FIT ALL PARTS TOGETHER BEFORE APPLYING ANY GLUE. If any parts don't fit properly, sand as required for precision assembly.

# FLYING MODEL ROCKET KIT

KEEP FOR FUTURE REFERENCE





## **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.







Slotted Body Tube RT-60 (1) (31189)

Upper Body Tube BT-60 (1) (30397)



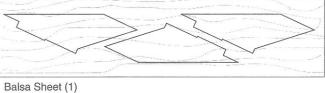




Engine Mount Tube BT-50 (1) (30373) Yellow Spacer Tool ET-6 'D' (1)



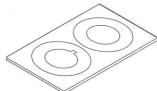




(35004)



Engine Hook Retainer (1) (30450)



(30176-5)

Green Engine Block AR2050 (1) (30164-2)

Engine Hook (1) (35021)

Die Cut Card Adapter Rings RA5060 (1) (30132)







Shock Cord (1) 1/4" x 36' (38382)

Assembled Parachute 18" (46 cm) (1) (35802)

Decal Sheet (1) (37717)

(32394)

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



SCISSORS





















RULER

FINE SAND PAPER (#400-600 GRIT)

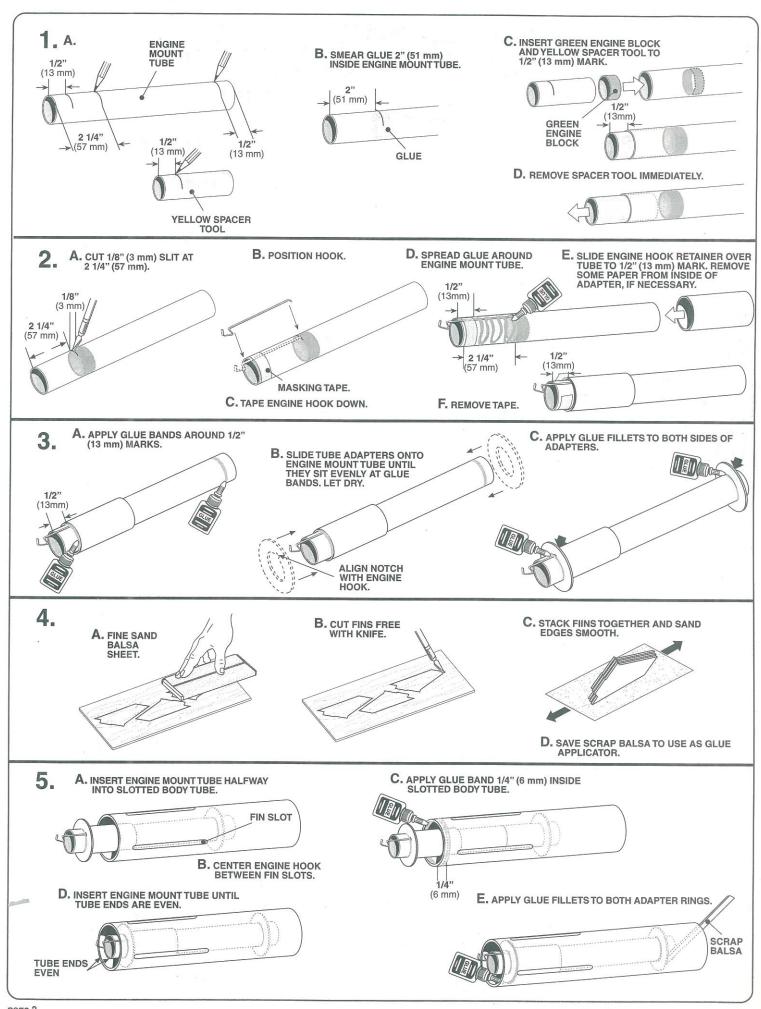
CARPENTER'S GLUF

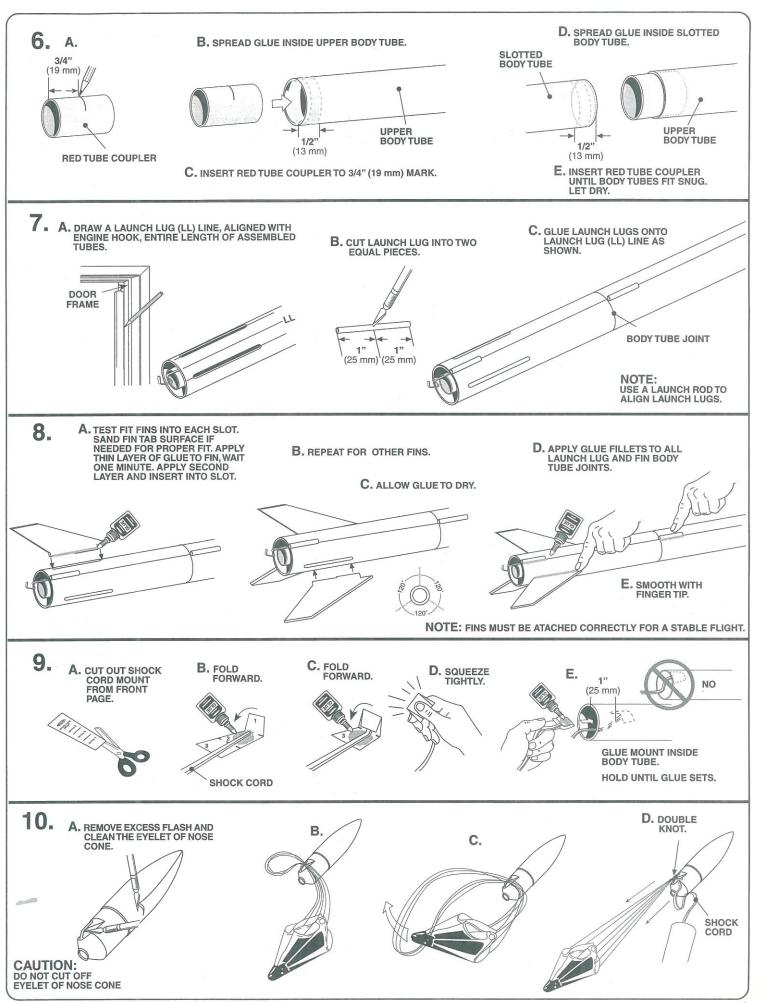
MODELING

MASKING TAPE

PRIMER

SPRAY PAINT: (YELLOW & CHARCOAL





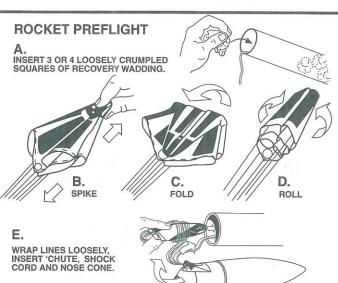
#### PAINT SCHEME

FIRST SPRAY ROCKET WITH WHITE PRIMER, LET DRY AND SAND. REPEAT UNTIL ROCKET IS SMOOTH. FOLLOW THE PAINT SCHEME ON THE FRONT PANEL OR DESIGN YOUR OWN.



PEEL DECALS ONE AT A TIME FROM BACKING SHEET AND APPLY WHERE SHOWN. RUB DOWN TO REMOVE BUBBLES.

 $^{\star}$ OPTIONAL-CLEAR COAT ENTIRE ROCKET WHEN COMPLETE.



#### COUNTDOWN AND LAUNCH

KEY ALWAYS OUT UNTIL

## **LAUNCH SUPPLIES**

(Sold Separately)

- Estes® Porta Pad® II Launch Pad (Requires 3/16" (5 mm) Maxi™ Rod-Sold Separately)
- Electron Beam® Controller
- · Recovery Wadding
- Igniters (with Engines)
- · Igniter Plugs (with Engines)
- Estes® Engines:

C11-3, C11-5, D12-5

# FINAL COUNTDOWN! MASKING TAPE INSERT KEY. 3... 2...1. PUSH DOWN AND HOLD. HOLD KEY DOWN AND PRESS LAUNCH BUTTON UNTIL LIFT-OFF!

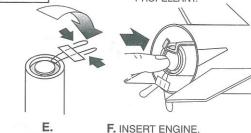
#### **ENGINE PREP**

WARNING: FLAMMABLE Before proceeding read instructions & NAR Safety Code included with engines.

PREPARE YOUR ENGINE.
ONLY WHEN YOU ARE **OUTSIDE AT THE LAUNCH** 

SITE PREPARING TO LAUNCHI If you do not use your prepared engine, remove the igniter before storing your engine.





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**

TAKE THE KEY OUT OF THE CONTROLLER, WAIT ONE MINUTE BEFORE GOING NEAR THE ROCKET! 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.