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KEEP FOR FUTURE REFERENCE

EST 1302



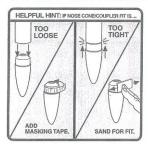
CIB, THIRE **ASSEMBLY TIP**

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.





Main Body Tube BT-55 (1) (30382)



Booster Engine Mount Tube (1) (30362)



Nose Cone PNC 55AC (1) (71070)



Green Centering Rings AR-5055 (4) (30166-2)



Main Engine Mount Tube (1) (30368)

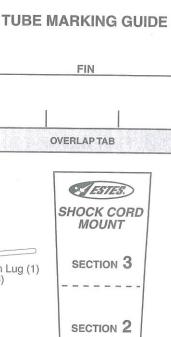


Yellow Spacer Tool (1) (35004)





Shock Cord (1)



MATCH LINES

FIN

FIN

FIN



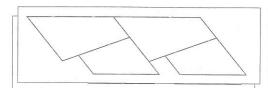
Booster Body Tube BT-55 (1) (30387)



Green Engine Blocks AR-2050 (2) (30164-2)



1/4" x 36' (38382)



Balsa Sheet (2) (32395)



Decal Sheet (1) (37715)



SECTION 1

Assembled Parachute 12" (30 cm) (1) (35801)

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



SCISSORS



RULER

















SPRAY CLEAR COAT

PENCIL

SAND

(#400-600 GRIT)

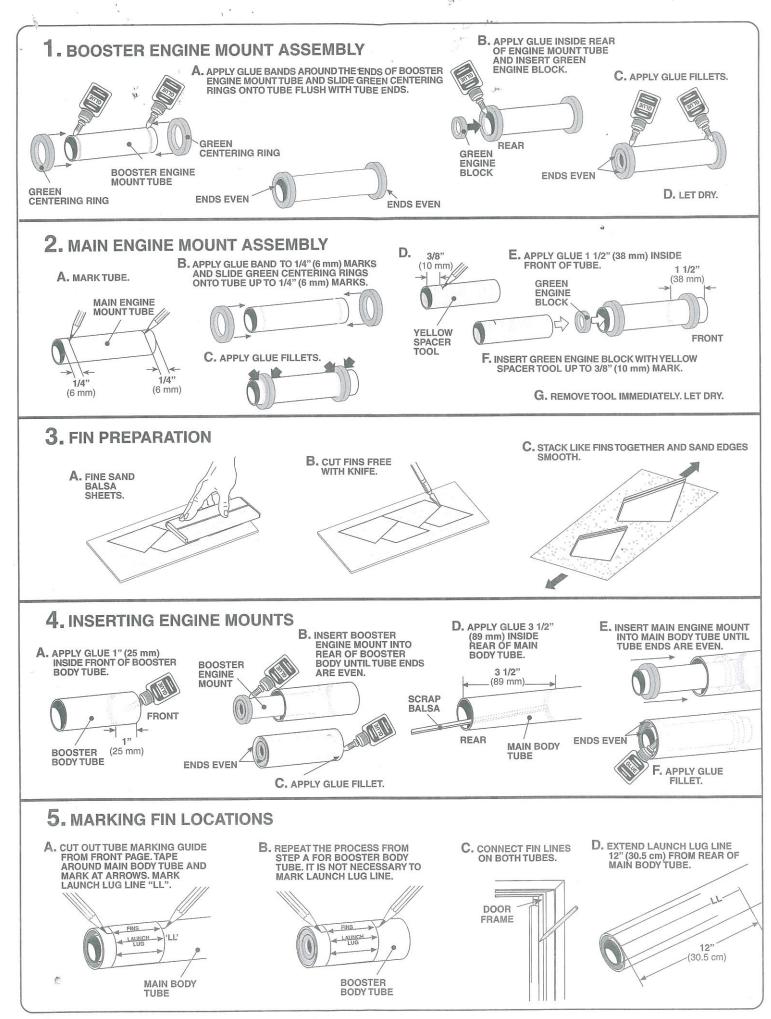
CARPENTER'S MODELING KNIFE

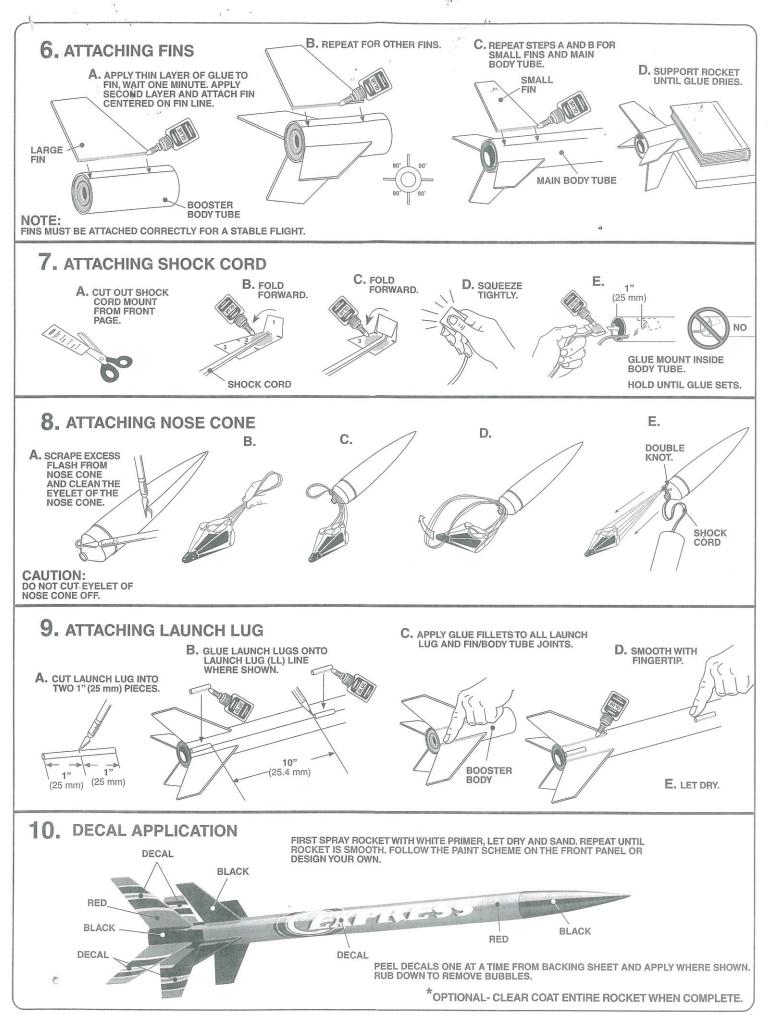
CELLOPHANE

PRIMER (WHITE)

SPRAY PAINT: BLACK)

(OPTIONAL)



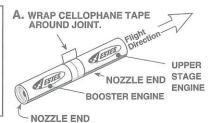


ROCKET PREFLIGHT E. WRAP LINES LOOSELY, INSERT 'CHUTE, SHOCK CORD AND NOSE CONE. A. INSERT 3 OR 4 LOOSELY CRUMPLED SQUARES OF RECOVERY WADDING. D. ROLL C.FOLD.

ENGINE PREP FOR 2 STAGE FLIGHT

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

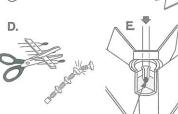
PREPARE YOUR ENGINE ONLY WHEN YOU ARE **OUTSIDE AT THE LAUNCH** SITE PREPARING TO LAUNCHI
If you do not use your prepared
engine, remove the igniter before storing your engine.



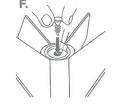
C. INSERT ENGINE INTO UPPER BODY,

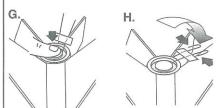
B. WRAP MASKING TAPE AROUND MIDDLE OF EACH ENGINE TO **ENSURE TIGHT FIT IN UPPER AND** BOOSTER STAGES.











I. FOR A SINGLE STAGE LAUNCH, WRAP MASKING TAPE AROUND MIDDLE OF ENGINE TO ENSURE TIGHT FIT. FOLLOW STEPS D THROUGH H. DO NOT USE BOOSTER PART OF ROCKET.

COUNTDOWN AND LAUNCH



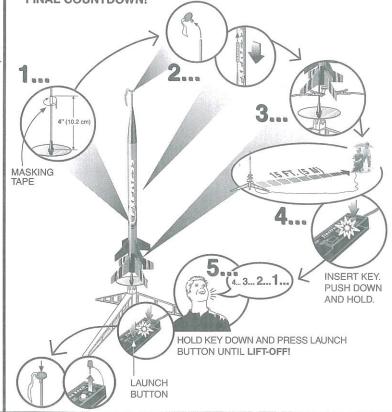
KEY ALWAYS OUT UNTIL FINAL COUNTDOWN!

LAUNCH SUPPLIES

(Sold Separately)

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

Single Stage: C11-5, D12-5 Two Stage - Booster: C11-0, D12-0 2nd Stage: C11-5, C11-7, D12-7



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

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.