



www.estesrockets.com

FLYING MODEL

ROCKET™

SKILL LEVEL 2

SCREAMIN' MIMI™

- SONIC ROCKET!
- WHISTLING SOUND!
- 'SCREAMS' TO OVER 500 FT (152 m)!



Length: 25.5 in.
(64.8 cm)
Diameter: 1.64 in.
(41.7 mm)
Weight: 5.3 oz.
(150.3 g)
Recovery: 18 in.
(46 cm) Parachute

Recommended
Engines: C11-3,
For Sound: D12-5,
D12-7

Assembly required.
Glue, finishing supplies
and launch supplies - not
included.

Requires 3/16 in. (5 mm)
Mouth™ Rod for launch -
sold separately.

1 MODÈLE RÉDUIT.
PEINTURE ET COLLE
NON COMPRIS.

ESTES® INDUSTRIES
1295 H Street
Penrose, CO 81240

Made in China

EST 2185



Call 1-800-858-8888
Numero Verde 1-800-858-8888
www.estesrockets.com



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FLYING MODEL ROCKET KIT EST 2185 INSTRUCTIONS KEEP FOR FUTURE REFERENCE

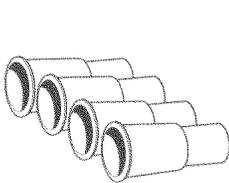
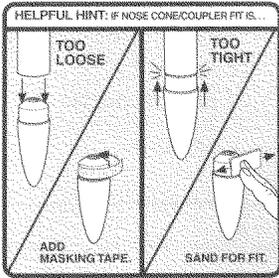
ASSEMBLY TIP

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

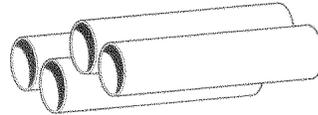
TEST-FIT ALL PARTS TOGETHER BEFORE APPLYING ANY GLUE. If any parts don't fit properly, sand as required for precision assembly.

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.



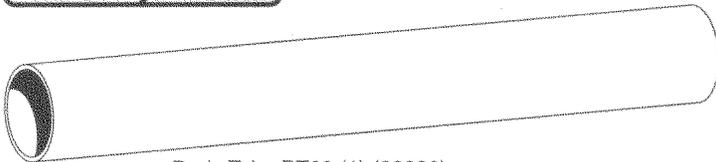
Whistles (4)(38020)



Whistle Tubes BT 20 (4)(30325)



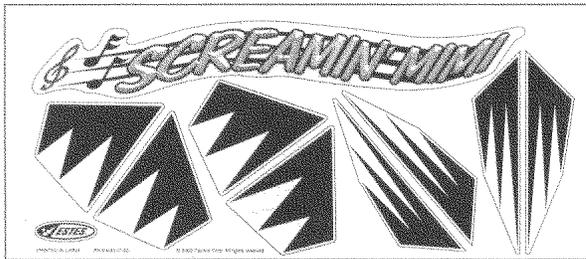
Whistle Spacer Rings (4)(30171-4)



Body Tube BT60 (1) (30396)



Engine Mount Tube (1) (30362)



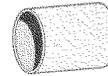
Decal Sheet (1) 60402



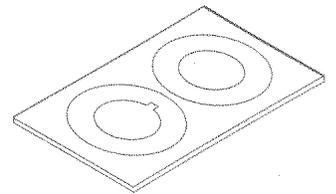
Nose Cone PNC 60 (1) (71043)



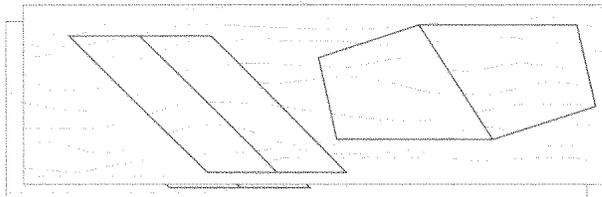
Engine Hook (1) (35021)



Engine Hook Retainer (1) (30160)



Die-cut Card Centering Rings RA5060 (1) (30132)



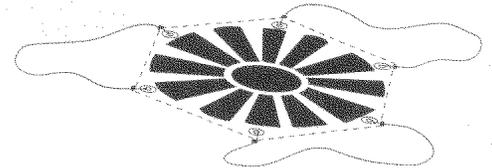
Die-cut Balsa Sheet (2) (60406)



Shock Cord (1) 1/4" x 24" (38383)



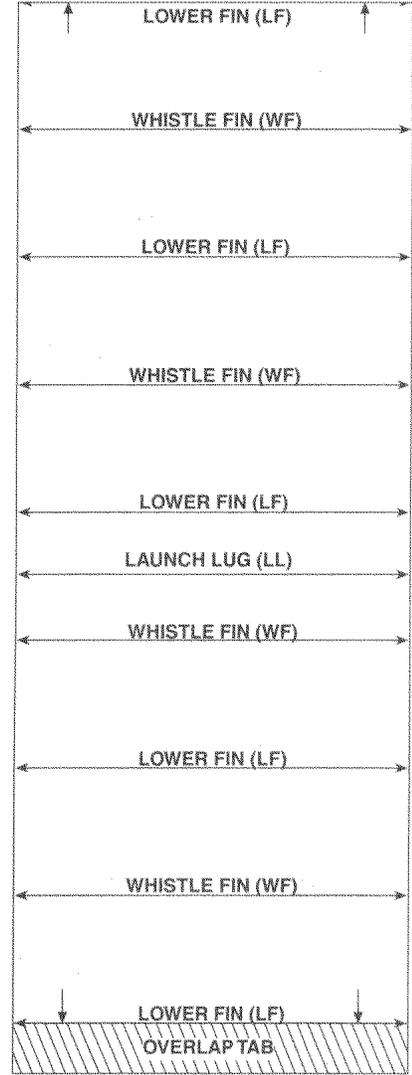
Green Engine Block AR2050 (1) (30164-2)



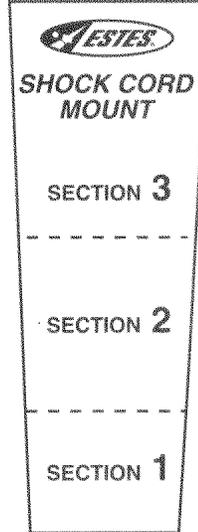
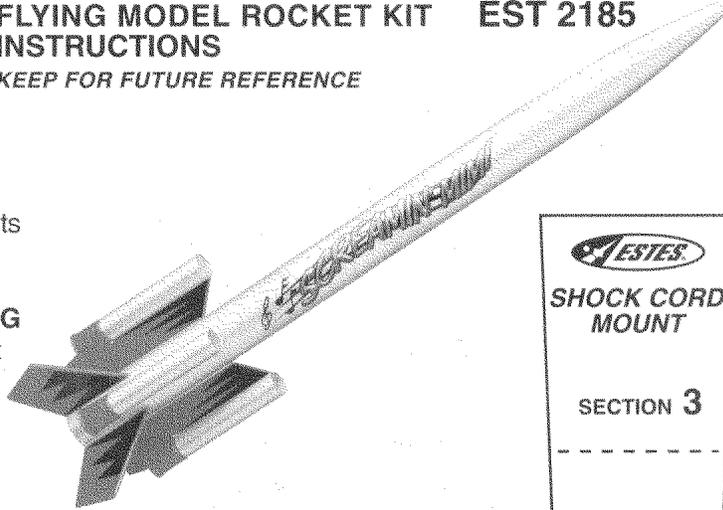
Assembled Parachute 18" (46 cm) (1) (35802)



Launch Lug (1) (38166)



BODY TUBE MARKING GUIDE



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



SCISSORS



PENCIL



RULER



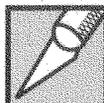
FINE SAND PAPER (#400-600 GRIT)



TUBE TYPE PLASTIC CEMENT



CARPENTER'S GLUE



MODELING KNIFE



MASKING TAPE



PRIMER (WHITE)



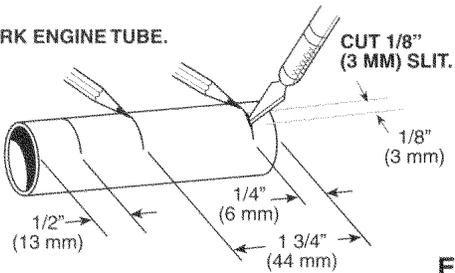
SPRAY PAINT: (SILVER & RED)



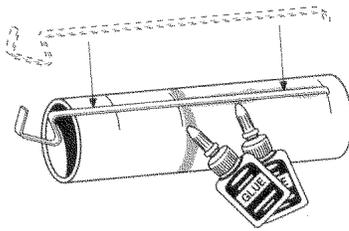
SPRAY CLEAR COAT (OPTIONAL)

1. ASSEMBLE ENGINE MOUNT

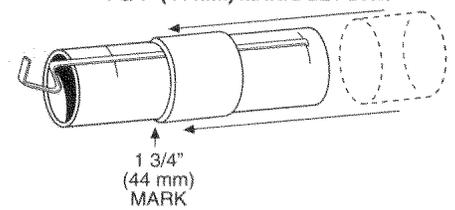
A. MARK ENGINE TUBE.



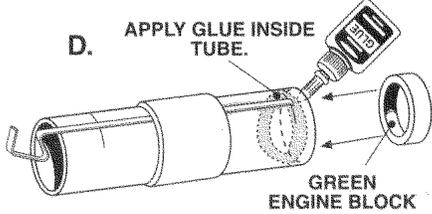
B. GLUE WHERE SHOWN. INSERT ENGINE HOOK.



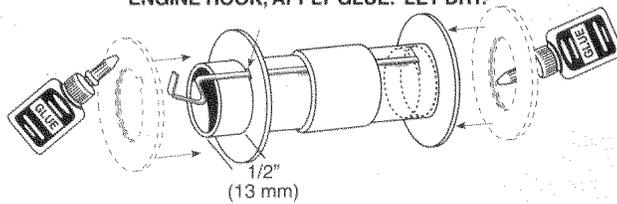
C. SLIDE ENGINE HOOK RETAINER ONTO ENGINE MOUNT TUBE, UP TO 1 3/4" (44 mm) MARK. LET DRY.



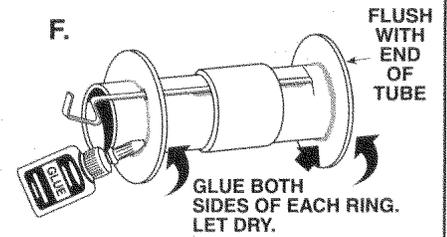
D. APPLY GLUE INSIDE TUBE.



E. REMOVE CENTERING RINGS FROM CARD. ALIGN NOTCH OVER ENGINE HOOK, APPLY GLUE. LET DRY.



F.

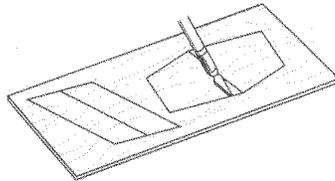


2. PREPARE FINS

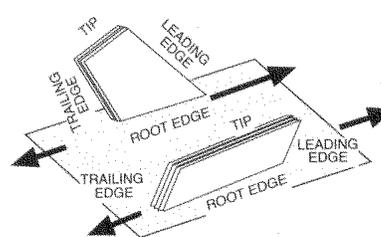
A. FINE SAND BALSA SHEET.



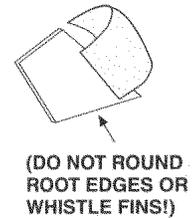
B. CUT FINS FREE WITH KNIFE.



C. STACK LIKE FINS TOGETHER & SAND EDGES SMOOTH.

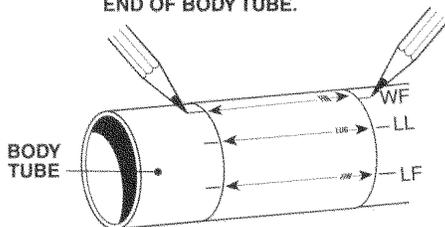


D. ROUND LEADING EDGES OF LOWER FINS.



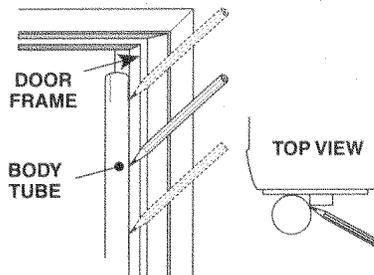
3. MARK BODY TUBE & WHISTLE TUBES

A. CUT OUT BODY TUBE MARKING GUIDE FROM FRONT PAGE. TAPE GUIDE AROUND END OF BODY TUBE.



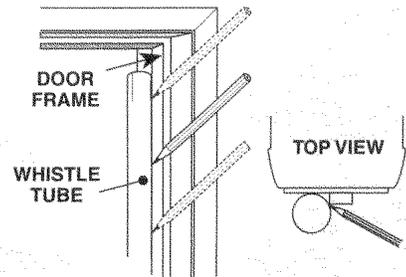
MARK AT ARROWS FOR LOWER FIN (LF), WHISTLE FIN (WF) AND LAUNCH LUG (LL).

B.



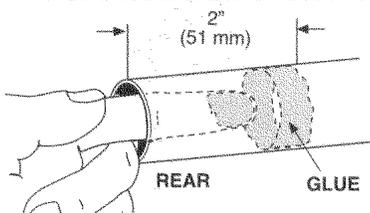
CONNECT AND EXTEND ALL LINES 8" (20.3 CM) FROM END OF BODY TUBE.

C. PLACE A WHISTLE TUBE AGAINST DOOR FRAME, MARK A LINE DOWN SIDE OF TUBE. REPEAT FOR REMAINING WHISTLE TUBES.

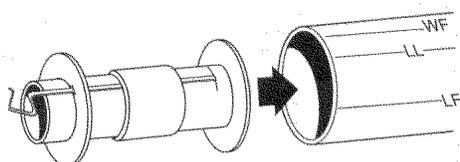


4. INSERT ENGINE MOUNT

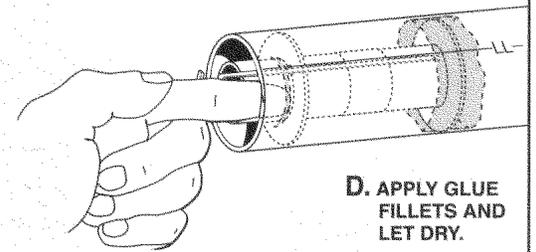
A. USE FINGER TO SMEAR GLUE 2" (51mm) INSIDE MARKED END OF BODY TUBE.



B. INSERT ENGINE MOUNT. ALIGN ENGINE HOOK WITH LAUNCH LUG LINE.



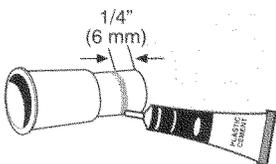
C. INSERT UNTIL TUBE ENDS ARE EVEN.



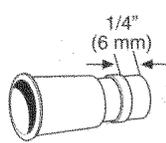
D. APPLY GLUE FILLETS AND LET DRY.

5. PREPARE WHISTLE TUBES

A. APPLY PLASTIC CEMENT BAND AROUND END OF WHISTLE AS SHOWN.

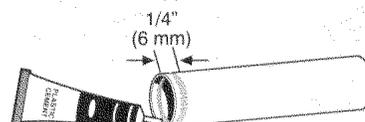


B. SLIDE ON WHISTLE SPACER RING.

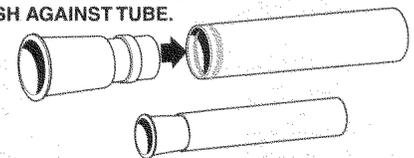


C. REPEAT STEPS A&B FOR REMAINING WHISTLES. LET DRY.

D. APPLY PLASTIC CEMENT INSIDE WHISTLE TUBE AS SHOWN.



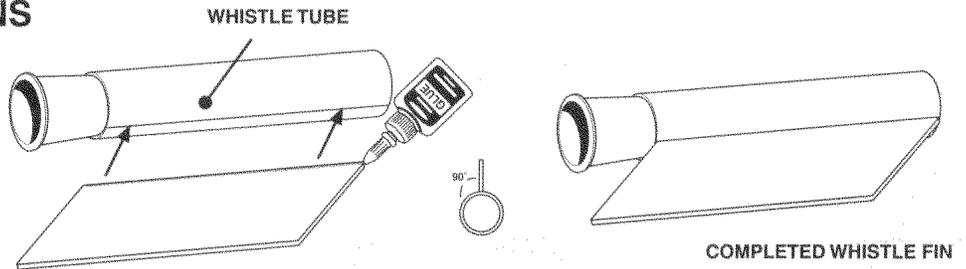
E. INSERT WHISTLE UNTIL FLUSH AGAINST TUBE.



F. REPEAT STEPS D&E FOR REMAINING WHISTLES AND TUBES. LET DRY.

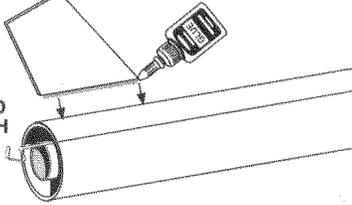
6. ASSEMBLE WHISTLE FINNS

- A. APPLY THIN LAYER OF GLUE TO WHISTLE FIN, WAIT 1 MINUTE, APPLY 2ND THIN LAYER AND ATTACH TO WHISTLE TUBE CENTERED ON FIN LINE. REPEAT FOR OTHER WHISTLE TUBES AND FINNS. LET DRY.

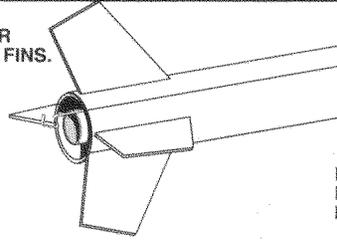


7. ATTACH LOWER FINNS

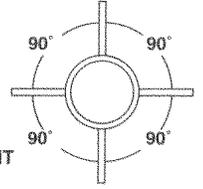
- A. APPLY THIN LAYER OF GLUE TO LOWER FIN, WAIT 1 MINUTE, APPLY 2ND THIN LAYER AND ATTACH FIN CENTERED ON FIN LINE EVEN WITH END OF BODY TUBE. LET DRY.



- B. REPEAT FOR REMAINING FINNS.



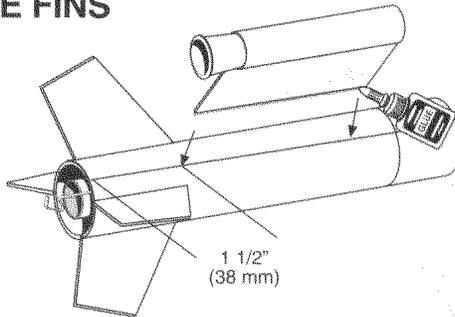
FINNS SHOULD PROJECT STRAIGHT FROM BODY TUBE.



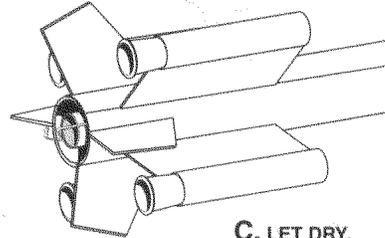
NOTE: FINNS MUST BE ATTACHED CORRECTLY FOR STABLE FLIGHT.

8. ATTACH WHISTLE FINNS

- A. APPLY THIN LAYER OF GLUE, WAIT 1 MINUTE, APPLY 2ND THIN LAYER AND ATTACH WHISTLE FIN CENTERED ON 'WF' LINE AS SHOWN. LET DRY.

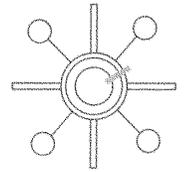


- B. REPEAT FOR REMAINING WHISTLE FINNS.



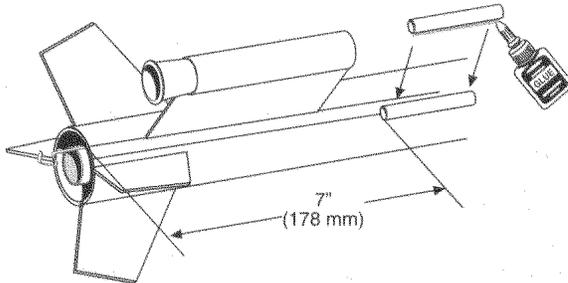
C. LET DRY.

WHISTLE FINNS SHOULD PROJECT STRAIGHT FROM BODY TUBE.

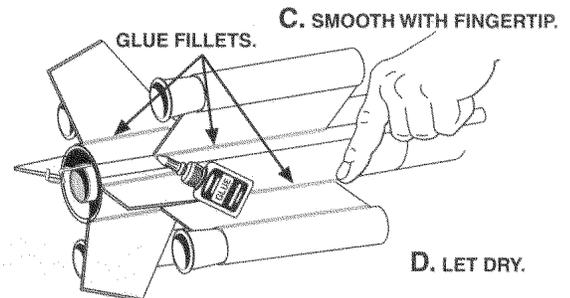


9. ATTACH LAUNCH LUG & APPLY GLUE FILLETS

- A. GLUE LAUNCH LUG CENTERED ON 'LL' LINE 7" (178 MM) FROM REAR OF BODY TUBE. LET DRY.

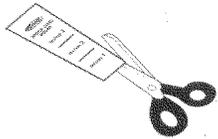


- B. APPLY GLUE FILLETS TO ALL FIN/BODY TUBE AND LAUNCH LUG JOINTS.

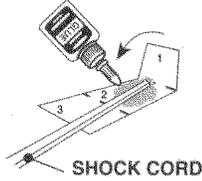


10. INSTALL SHOCK CORD MOUNT

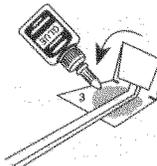
- A. CUT OUT SHOCK CORD MOUNT FROM FRONT PAGE.



- B. SMEAR GLUE. FOLD FORWARD.



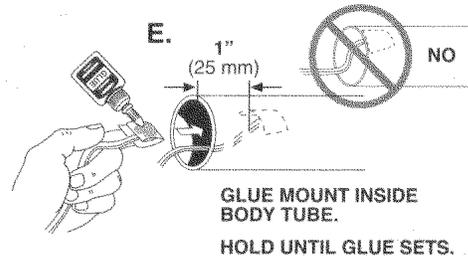
- C. SMEAR GLUE. FOLD FORWARD.



- D. SQUEEZE TIGHTLY.

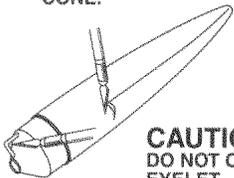


- E.

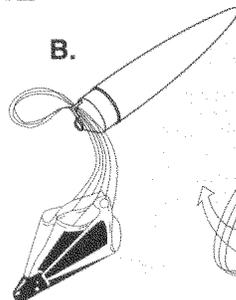


11. ATTACH NOSE CONE

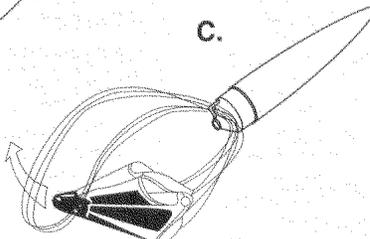
- A. REMOVE EXCESS FLASH AND CLEAN THE EYELET OF NOSE CONE.



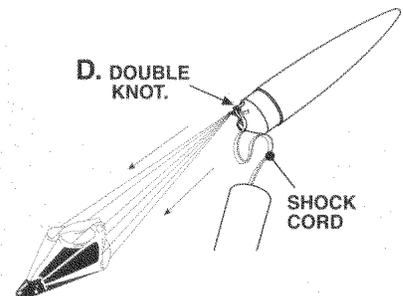
- B.



- C.

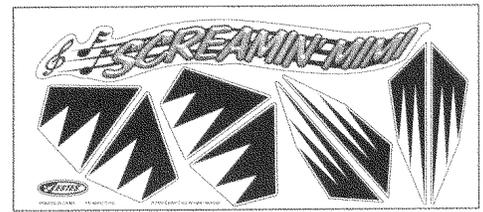
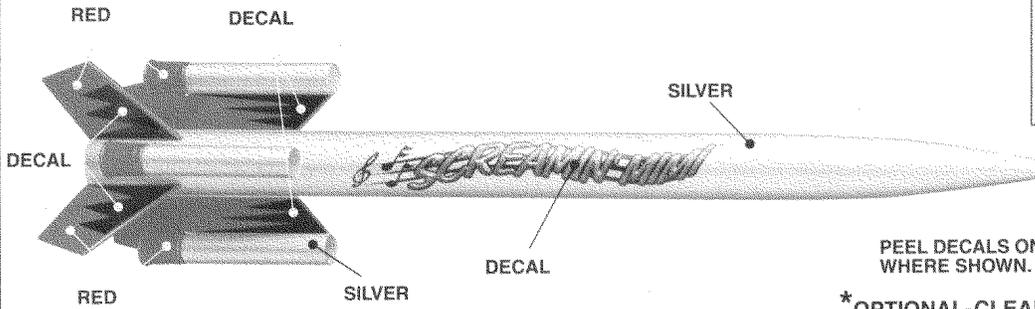


- D. DOUBLE KNOT.



PAINT SCHEME

FIRST MASK WHISTLES. THEN 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.



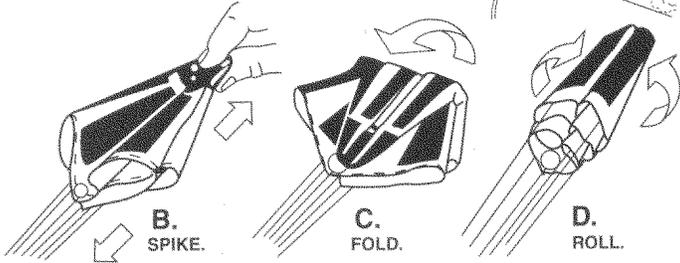
DECAL SHEET

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

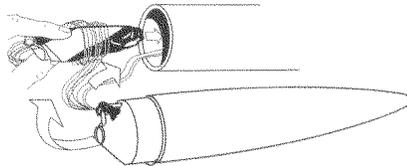
*OPTIONAL-CLEAR COAT ENTIRE ROCKET WHEN COMPLETE.

ROCKET PREFLIGHT

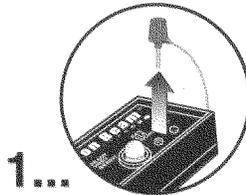
A. INSERT 4 OR 5 LOOSELY CRUMPLED SQUARES OF RECOVERY WADDING.



E. WRAP LINES LOOSELY, INSERT CHUTE, SHOCK CORD AND NOSE CONE.



COUNTDOWN AND LAUNCH



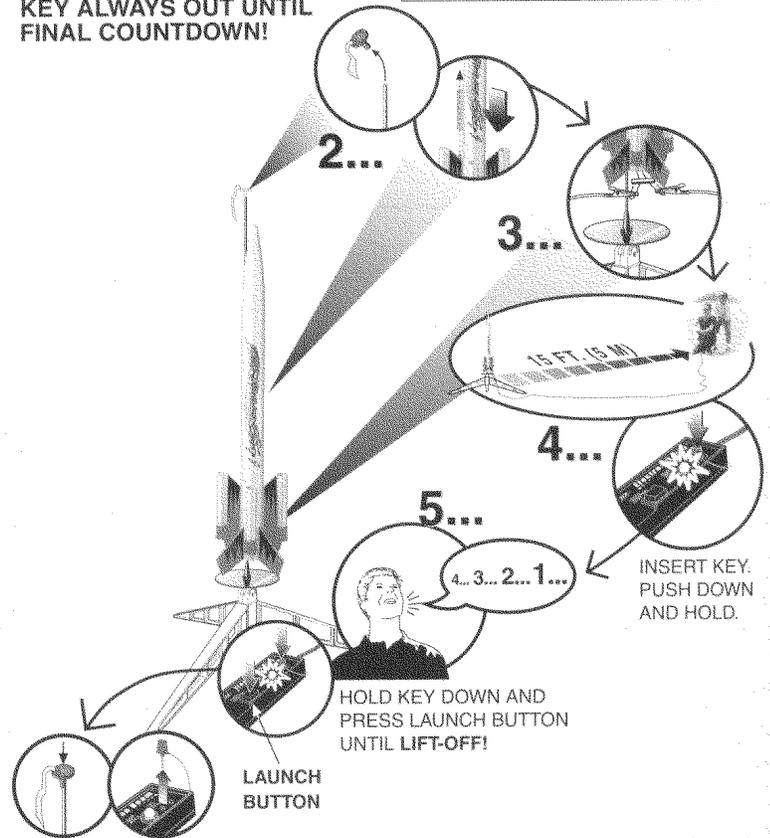
1...

KEY ALWAYS OUT UNTIL FINAL COUNTDOWN!

LAUNCH SUPPLIES

(Sold Separately)

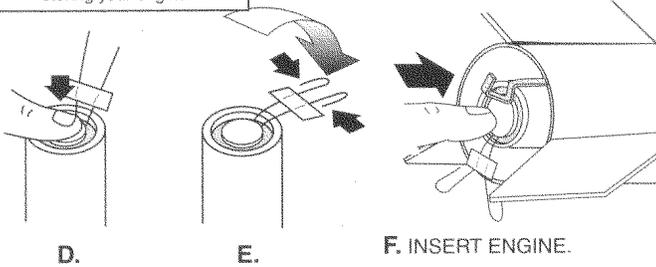
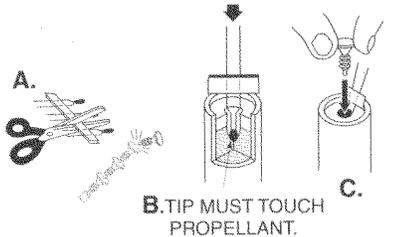
- Porta Pad® II Launch Pad (Requires 3/16" (5 mm) Maxi™ Rod- Sold Separately)
- Electron Beam® Launch Controller
- Recovery Wadding
- Igniters (with Engines)
- Igniter Plugs (with Engines)
- Estes® Engines: C11-3 For Sound: D12-5, D12-7



PREPARE ENGINE

⚠ WARNING: 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.



PRECAUTIONS

NAR Safety Code



NO DRY GRASS OR WEEDS

FLYING YOUR ROCKET

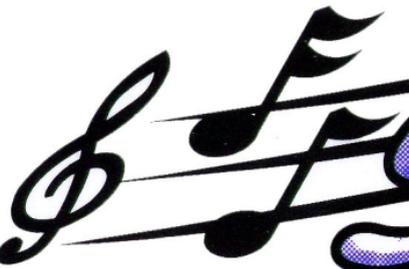
Choose a large field (500 ft. [152 m] square) free of dry weeds and brown grass. The larger the launch area, the better your chance of recovering your rocket. Football fields and playgrounds are great. Launch only with little or no wind and good visibility.

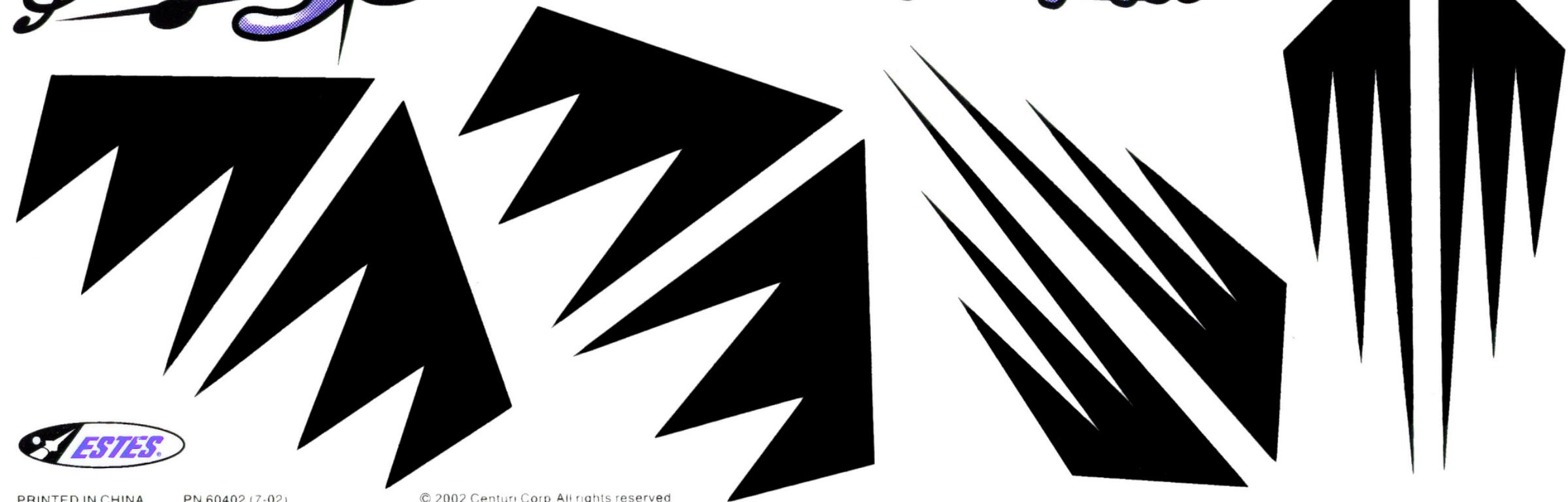
Always follow the National Association of Rocketry (NAR)

SAFETY CODE.

MISFIRES

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

 **SCREAMINI-MINI™**



1
5 6
12 13
19 20
26 27

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22 23
29 30

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R 5 6
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26 27

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R 3 4
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31

