



# StormCaster™

www.estesrockets.com

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

FLYING MODEL ROCKET KIT

EST 1301

KEEP FOR FUTURE REFERENCE

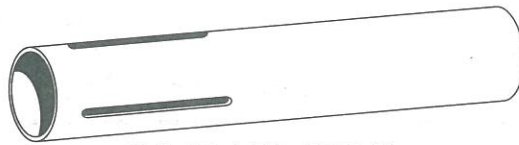
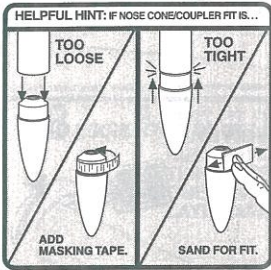
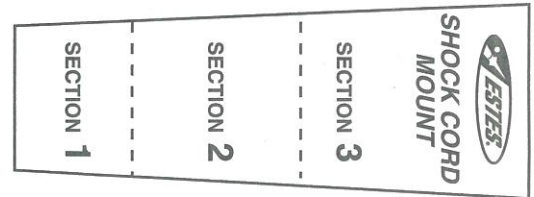
## ASSEMBLY TIP

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

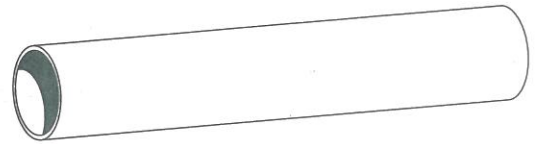
**TEST-FIT ALL PARTS TOGETHER BEFORE APPLYING ANY GLUE.** If any parts don't fit properly, sand as required for precision assembly.

## 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.



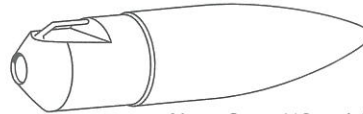
Slotted Body Tube RT-60 (1)  
(31189)



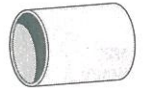
Upper Body Tube BT-60 (1)  
(30397)



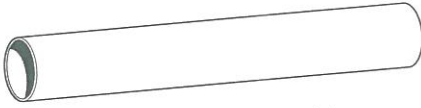
Launch Lug (1)  
(38166)



Nose Cone NC60 (1)  
(72057)



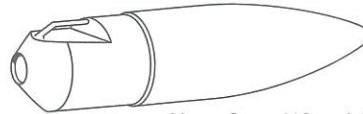
Red Tube Coupler 60C (1)  
(30176-5)



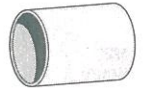
Engine Mount Tube BT-50 (1)  
(30373)



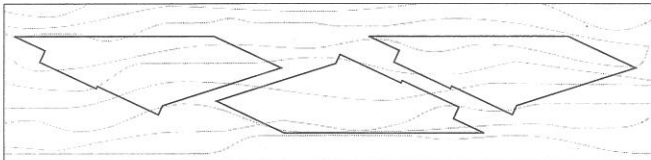
Yellow Spacer Tool ET-6 'D' (1)  
(35004)



Nose Cone NC60 (1)  
(72057)



Red Tube Coupler 60C (1)  
(30176-5)



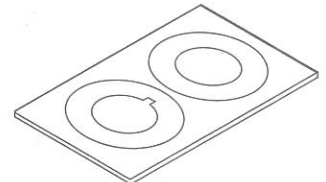
Balsa Sheet (1)  
(32394)



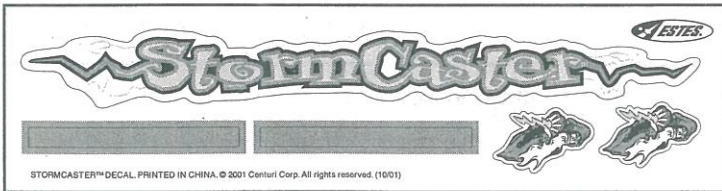
Green Engine Block  
AR2050 (1)  
(30164-2)



Engine Hook Retainer (1)  
(30450)



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



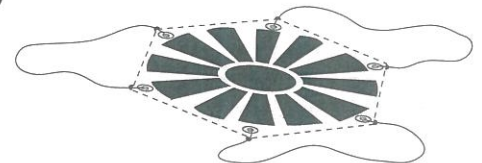
Decal Sheet (1)  
(37717)



Engine Hook (1)  
(35021)



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



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

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



SCISSORS



PENCIL



RULER



FINE SAND PAPER  
(#400-600 GRIT)



CARPENTER'S GLUE



MODELING KNIFE



MASKING TAPE



PRIMER (WHITE)

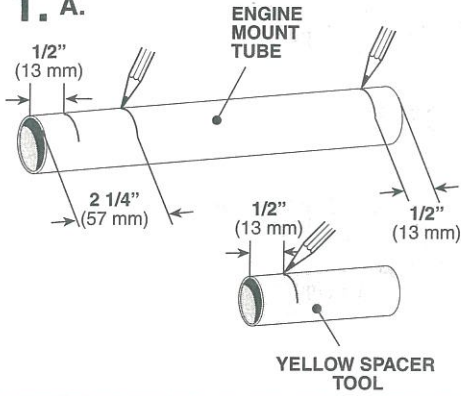


SPRAY PAINT:  
(YELLOW & CHARCOAL GRAY)

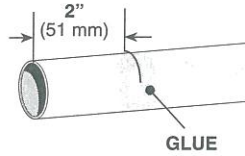


SPRAY CLEAR COAT (OPTIONAL)

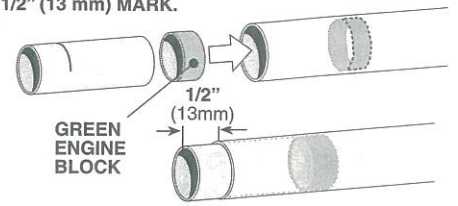
1. A.



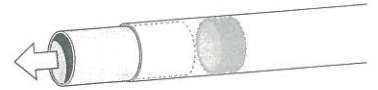
B. SMEAR GLUE 2" (51 mm) INSIDE ENGINE MOUNT TUBE.



C. INSERT GREEN ENGINE BLOCK AND YELLOW SPACER TOOL TO 1/2" (13 mm) MARK.

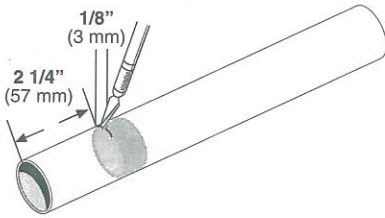


D. REMOVE SPACER TOOL IMMEDIATELY.

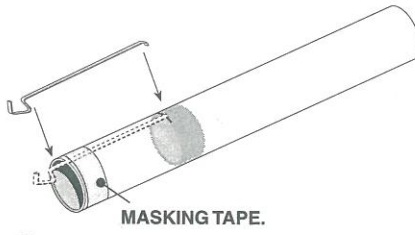


2. A.

CUT 1/8" (3 mm) SLIT AT 2 1/4" (57 mm).



B. POSITION HOOK.

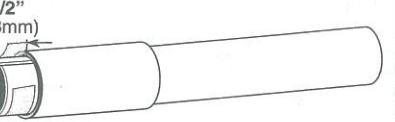


C. TAPE ENGINE HOOK DOWN.

D. SPREAD GLUE AROUND ENGINE MOUNT TUBE.



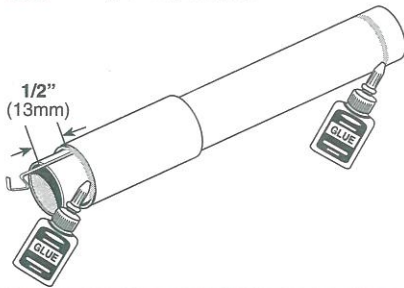
F. REMOVE TAPE.



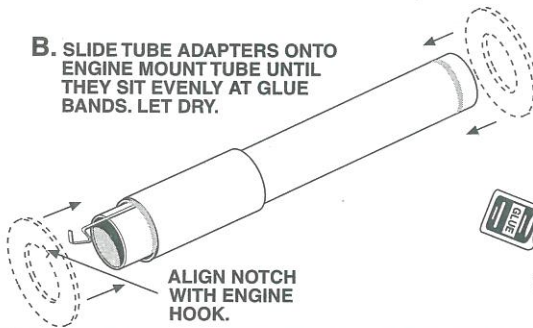
E. SLIDE ENGINE HOOK RETAINER OVER TUBE TO 1/2" (13 mm) MARK. REMOVE SOME PAPER FROM INSIDE OF ADAPTER, IF NECESSARY.

3. A.

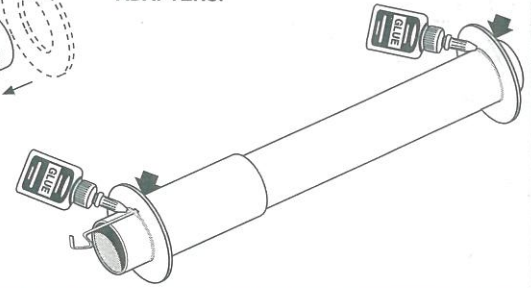
APPLY GLUE BANDS AROUND 1/2" (13 mm) MARKS.



B. SLIDE TUBE ADAPTERS ONTO ENGINE MOUNT TUBE UNTIL THEY SIT EVENLY AT GLUE BANDS. LET DRY.



C. APPLY GLUE FILLETS TO BOTH SIDES OF ADAPTERS.

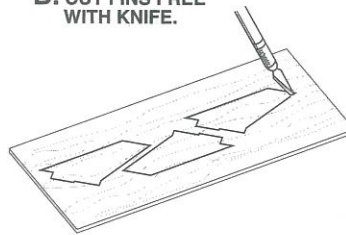


4. A.

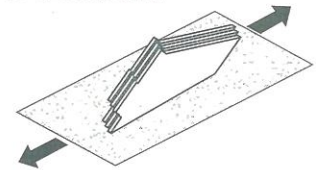
FINE SAND Balsa SHEET.



B. CUT FINNS FREE WITH KNIFE.



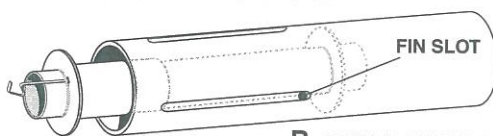
C. STACK FINNS TOGETHER AND SAND EDGES SMOOTH.



D. SAVE SCRAP Balsa TO USE AS GLUE APPLICATOR.

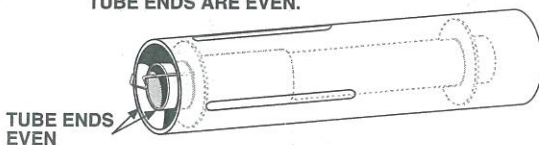
5. A.

INSERT ENGINE MOUNT TUBE HALFWAY INTO SLOTTED BODY TUBE.

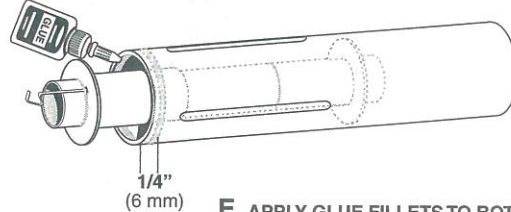


B. CENTER ENGINE HOOK BETWEEN FIN SLOTS.

D. INSERT ENGINE MOUNT TUBE UNTIL TUBE ENDS ARE EVEN.



C. APPLY GLUE BAND 1/4" (6 mm) INSIDE SLOTTED BODY TUBE.



E. APPLY GLUE FILLETS TO BOTH ADAPTER RINGS.

