



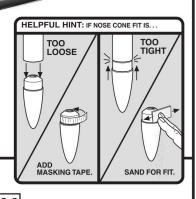
#7208

Estes-Cox Corp. 1295 H Street, PO Box 227 Penrose, CO 81240-0227 Printed in USA

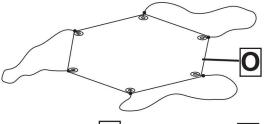
ASSEMBLY TIP: Read all instructions before beginning work on your model. Make sure you have all parts and supplies.

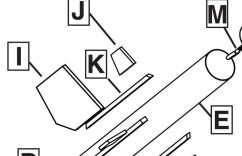
FLYING MODEL ROCKET KIT INSTRUCTIONS KEEP FOR FUTURE REFERENCE

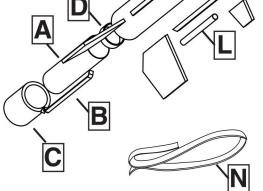




**NOTE:** Test fit all parts together before applying glue. If parts don't fit properly, sand as required for precision assembly.







F			
art	Qty.	Description	Part Number

	_	Description	
Part	Qty.	Part Number	
Α	1	Engine Mount 2.75 in. (69.9 mm)	030408
В	1	035021	
С	1	Green Adapter Ring 1.13"(28.7 mm)	030165-2
D	1	Engine Block	030224
Е	1	Main Body Tube BT 50 9" (228.6mm)	031785
F	1	Balsa Tube Adapter	070008
G	1	Upper Body Tube BT 20 9" (228.6mm)	030314
Н	1	Balsa Nose Cone	070228
1	4	Laser Cut Lower Balsa Fins	065978
J	4	Laser Cut Upper Fins	065978
K	4	Hardwood Strips 4" (101.6 mm)	032073
L	1	Launch Lug 2" (51 mm)	038190
М	1	Screw Eye	038251
N	1	Shock Cord 24" (61cm)	038367
0	1	Parachute 12" (30 cm)	035801
Р	1	Ricochet™ Decals (not shown)	065980

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



























SCISSORS

PENCIL

RULER

FINE SAND PAPER (#320-#400 GRIT)

CARPENTER'S MODELING KNIFE

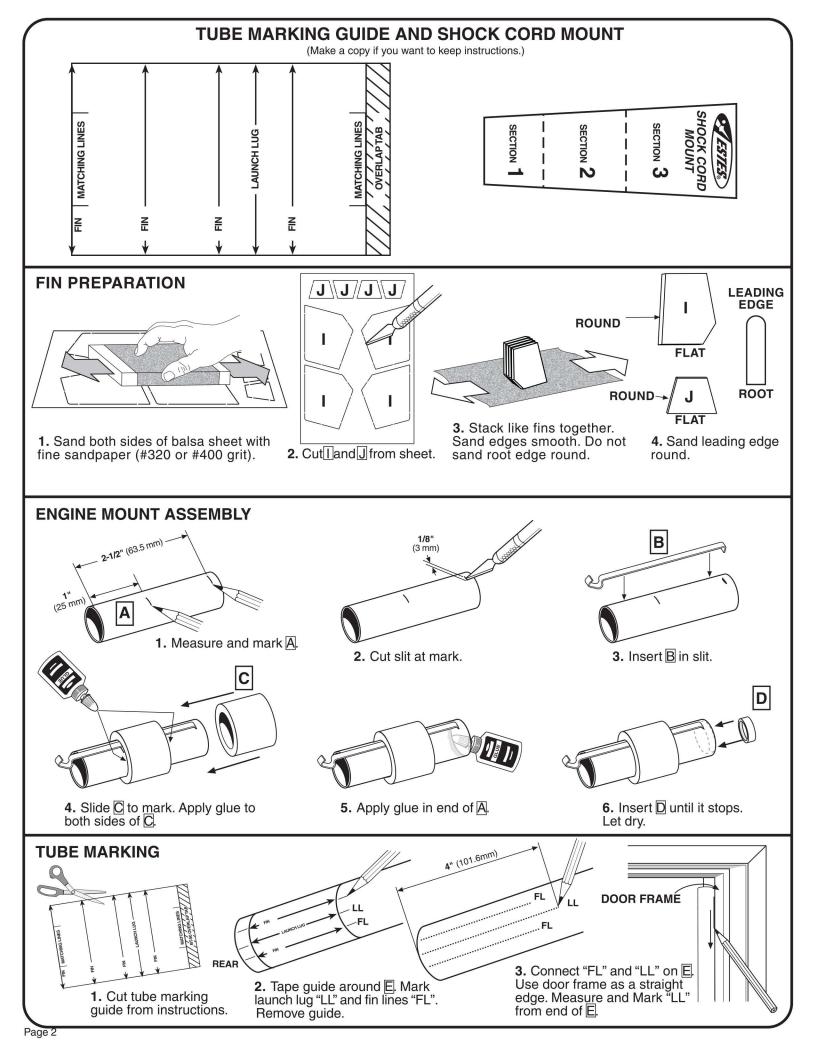
MASKING TAPE

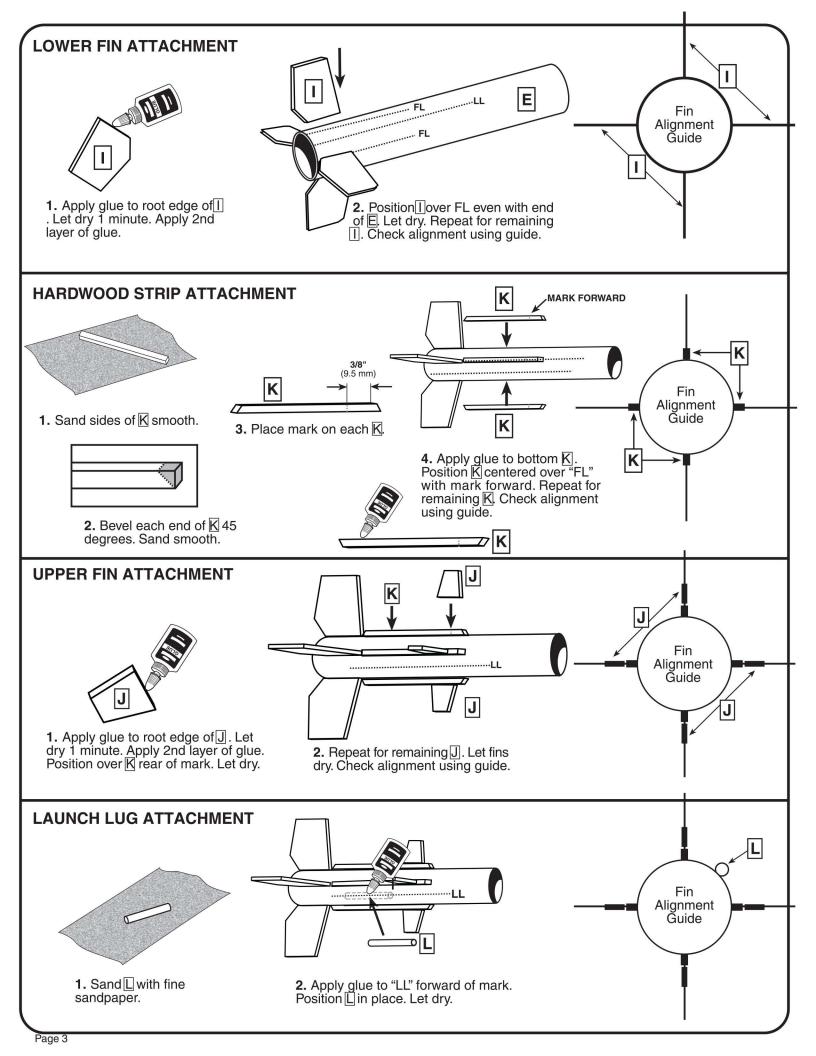
SPRAY PRIMER (WHITE)

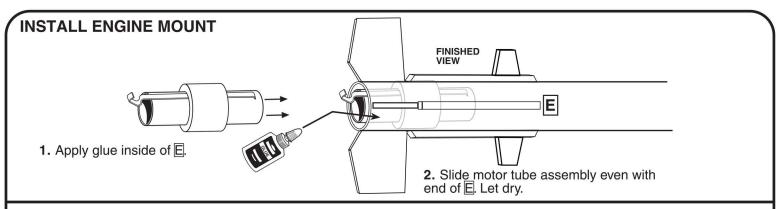
SPRAY PAINT CLEAR COAT (OPTIONAL)

SPRAY PAINT WHITE

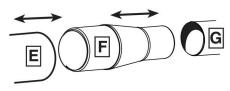
SPRAY PAINT SPRAY PAINT BLACK



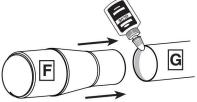




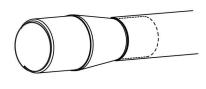
# UPPER BODY TUBE ASSEMBLY



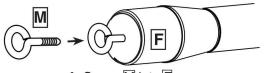
1. Check fit of Fin E and G. Sand as required for fit.



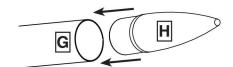
2. Apply ring of glue in G. Slide Finto G.



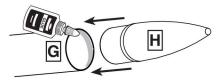
3. Wipe excess glue. Let dry.



4. Screw M into F.



5. Test fit Hin G. Sand as required for fit.



6. Apply ring of glue in G. Slide Hinto G. Let dry.

# INSTALL SHOCK CORD MOUNT

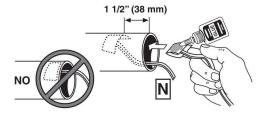




 Cut shock cord mount from instructions.
 Apply glue to mount. Place N on Section 2. Fold forward.



3. Apply glue and fold forward. Squeeze tight!



4. Apply glue to shock cord mount and insert in E. Hold until glue sets. Let dry.

#### ROCKET FINISHING

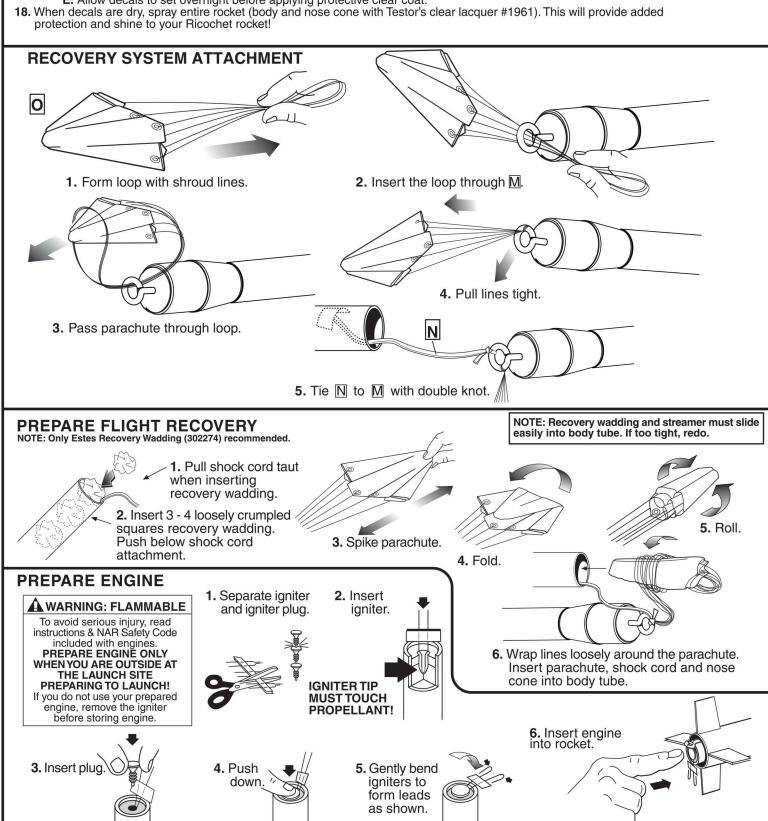
NOTE: We have found Testors One Coat Lacquer, Testors Model Master spray paints (color of your choice) and Testors Gloss Lacquer (# 1961) to be excellent for providing a long lasting and durable finish on your rocket. Always be sure to spray your models outside or in a well ventilated area.

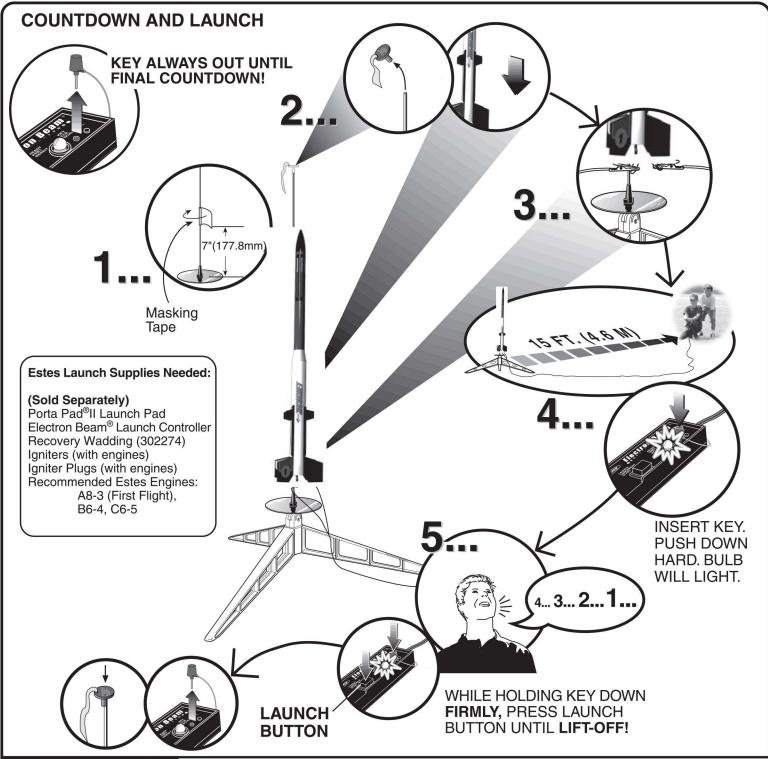
### Steps for a Quality Finish:

- 1. Stuff shock cord into body tube and hold in place with paper.
- 2. Lightly sand entire rocket with fine sandpaper (#320 or #400 grit).
- 3. Apply glue fillets to fins and launch lug.
  - a. Allow glue to dry overnight.
- 4. Paint the main rocket body and upper rocket tube separately. Assemble after painting is complete.
- 5. Use a stick inserted into the engine tube end of the rocket body for painting.
- 6. Hold the upper rocket section by the screw eye with a clip or pliers for painting.
- 7. We recommend a good filler/primer to be applied to the balsa fins, tube adapter and nose cone before painting.
  - a. Sand after each application for a smooth finish.
- 8. Apply 1-2 light coats of white primer to upper and lower rocket sections.
  - a. Lightly sand with fine sandpaper (#320 or #400 grit) between coats.
  - **b.** Allow to dry between each coat.
- 9. Spray paint tube adapter gloss white.
- a. Let paint dry overnight (24 hours is best).10. Apply masking tape and protective cover around tube adapter.
- 11. Spray paint upper rocket section gloss blue.
  - a. Let paint dry overnight (24 hours is best). Remove tape.
- 12. Apply masking tape and protective cover around nose cone and upper rocket section.
- **13.** Spray paint nose cone gloss black.
- a. Let paint dry overnight (24 hours is best). Remove tape.

# **ROCKET FINISHING CONTINUED**

- **14.** Spray paint main rocket body gloss white. **a.** Let paint dry overnight (24 hours is best).
- 15. Apply masking tape between fins and protective cover over lower rocket section.
- 16. Spray fins gloss black.
  - a. Let paint dry overnight (24 hours is best). Remove tape and cover.
- 17. Apply waterslide decals where shown.
  - A. Cut the decal to be applied from the decal sheet, trimming close to the decal edge.
  - B. Hold the decal in warm water until decal begins to curl.
  - C. Remove the entire decal, position in place and slide the decal backing material from under the decal and onto the model as close to final position as possible.
  - **D.** Gently blot out excess water with a clean paper towel.
  - **E.** Allow decals to set overnight before applying protective clear coat.





# **PRECAUTIONS**



NAR Safety Code



NO DRY GRASS

OR WEEDS







# PRE-LAUNCH CHECK

For safety, never launch a damaged rocket. Check the rocket's body, nose cone and fins. Also, check the engine mount, recovery system and launch lug. Repair any damage before launching the rocket.

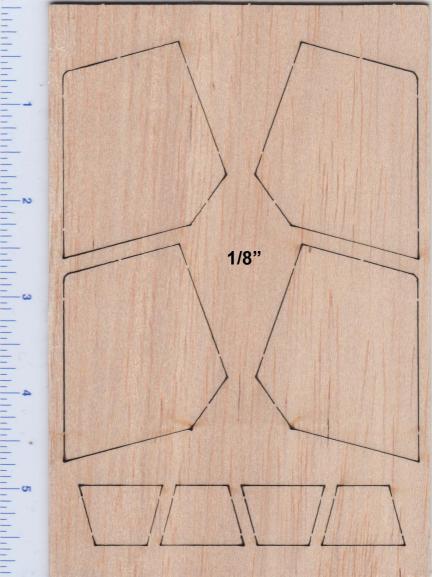
## FLYING YOUR ROCKET

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 enclosed National Association of Rocketry (NAR) SAFETY CODE.

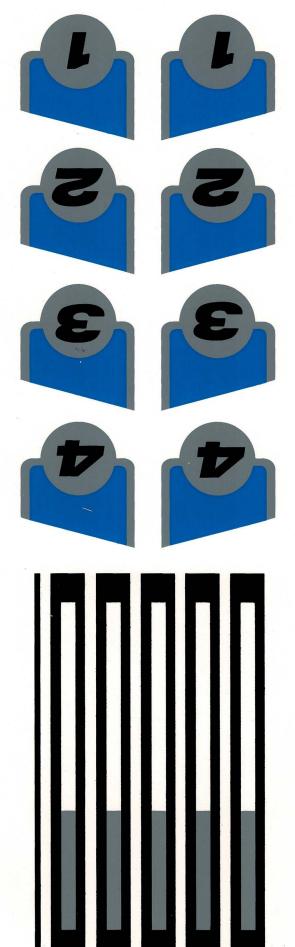
## **MISFIRES**

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.



36-4; C6-5

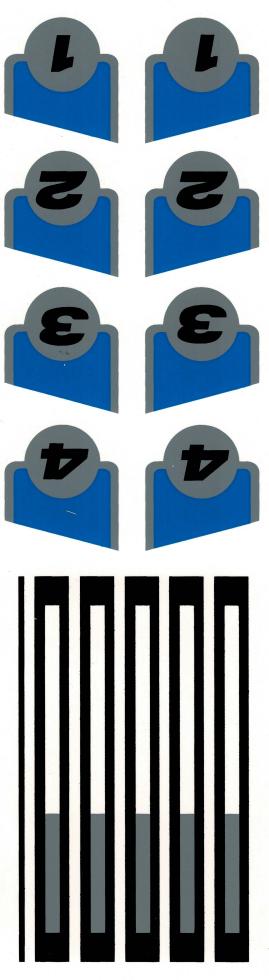
Recommended Engines: A8-3 (First Flight); B6-4; C6-5



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4:06-5 PARTE PARTE OF THE PARTE

Recommended Engines: A8-3 (First Flight); B6-4; C6-5



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	PARTS LIST KIT No. 7208 - Ricochet									
Quantity	Description	Туре	Number	Details1	Details2	Details3	Details4	Comment		
1	PAPER BODY TUBE	BT-20?	30408	2.75" long	0.710" ID	0.736" OD	0.013" wall	White		
1	ENGINE HOLDER	EH-2	35021	2.8" long	.100" wide	.025" thick		Thumb Saver		
1	CENTERING RING	AR-2050L	30165-2	1.125" long	.737" ID	.949" OD	0.106" wall	Green		
1	ENGINE BLOCK	EB-20A	30224	.708" OD	.63" ID	.025" thick	fits BT-20	Black		
1	PAPER BODY TUBE	BT-50?	31785	9" long	0.950" ID	0.976" OD	0.013" wall	White		
1	BALSA ADAPTER	TA-2050A	70008	2.0" long	1.0" taper	.5" front	.5" back	BT-20 to BT-50		
1	PAPER BODY TUBE	BT-20?	30314	9" long	0.710" ID	0.736" OD	0.013" wall	White		
1	BALSA NOSE CONE	BNC-20AZ	70228	2.5" long	.736" dia.	.5" shoulder				
1	BALSA FIN STOCK	BFS-40?	*65978	1/8" thick	4" wide	6" long	0.125	Lasercut		
4	WOOD STRIPS		32073	1/8" square	4" long			Balsa		
1	LAUNCH LUG	LL-2	38190	5/32" ID	1/8" rod	2" long				
1	Screw Eye (Large)	SE-1	38251	1" long						
1	Shock Cord	SC-1	38367	25" long	1/8" wide			Rubber		
1	Parachute	PK-12	35801	12" dia.	6 x 12" Shrouds		Org/Wht	Preassembled		
1	Decal		65980	2.25" wide	6" long	Multicolor	Self Stick	Scan		
* Di	* Diecut part number									





- Basic Builder Series!
- Simple to Glue and Paint!
- Air to Air
   Missile Styling!



Requires isunch system and flight supplies - sold separately. See back for details.

estes ockets





FLYING MODEL BOOKSTY KITT

Building is necessary – this Model Rocket can be flown over and over again. After each flight, simply insert more recovery wadding, repook the parachular, and insert is new Exter model rocket engine with an igniter and plug. Place on launch paid and blast off!

#### To Launch This Rocket, You Will Need

• Estes Porta Pad\* II Launch Pad

Starter Sets or sold separately)

• Estas Launch Controller

Directiods in all Estas Launch Sets, Starter
Sets or sold separately)

 Estes Model Rocket Engines (Recommended Estes Engines: A&G (First Pight), B6-4; C6-5)

Fight, 86-4, C6-5)

• Estes Ignitiers and Plugs
discluded with Estes Engines and Plight Packs)

 Estes Recovery Wadding (Included with Estes Flight Packs or sold separately)

IMPORTANT INFORMATION.

Requires Assembly, Requires bothly tools, yellow or white glue, paint, fishing gupplies, engines, igniles, wedding, and launch system - NOT

#SQLUDED!

Safely Code and Full One Year Warranty Enclosed.

Use certy with Easte products. CAUTION: Use of this Estes product with day other based-name include product containing any defect or closing any damage may veel the Eastes warrante.

Allergy Information: Product may contain later.

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

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MADE IN CHINA



Recycles
Color of product may vary.



PN 65853 (1-09)