



Penrose, CO 81240-0227 Printed in Guangdong, China

ASSEMBLY TIP:

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

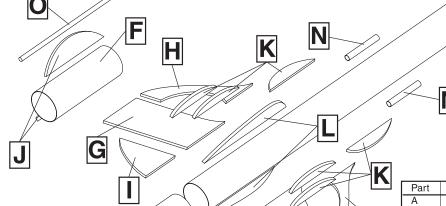


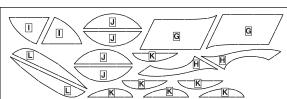
Oestes rockets

#3003

IMPORTANT: Your Estes product is marked with a four digit lot code or codes. The code is two digits, a space and two more digits representing the week and year of manufacture, respectively. Lot codes can be found on the product package, decal, launch controller, launch pad and/or blast deflector. Please record the lot code found on the decal and keep for future reference. Lot code:

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





Qty. Description Part Number Engine Mount Tube (blue) 030326-1 Engine Hook 035021 Apapter Ring 2050L 030165-2 030224 Engine Block Body Tube 030366 Wing Tip Tubes 030362 Laser Cut Balsa Sheet includes 066113 Laser Cut Wing Laser Cut Wing Laser Cut Wing Laser Cut Wing Tip Fins Laser Cut Fins Laser Cut Top and Lower Fins 072733 Plastic Nose Cone Launch Lug 038175 Wood Dowel 032054 Shock Cord 038367 Parachute 035815 Marking Guides / Wing Pattern Sheet 066115 Waterslide Decal (not shown) 066114



SCISSORS

B



PENCIL



RULER





FINE SANDPAPER (#320-#400 GRIT)

G





MODELING



MASKING



WAX PAPER

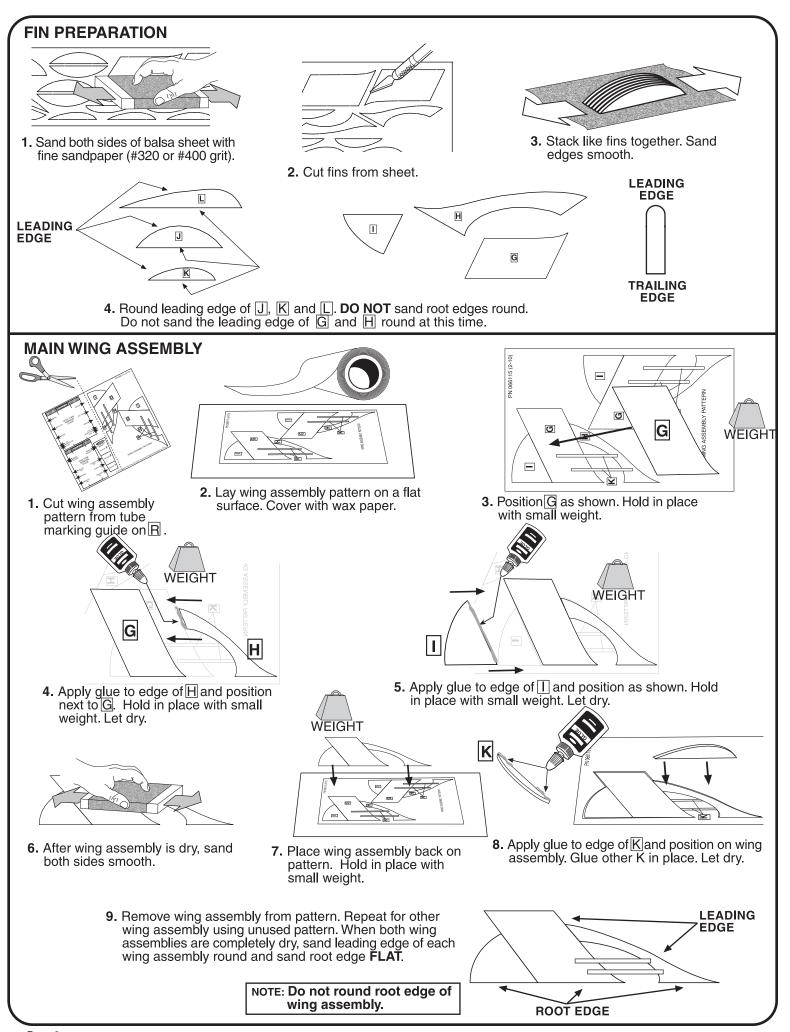


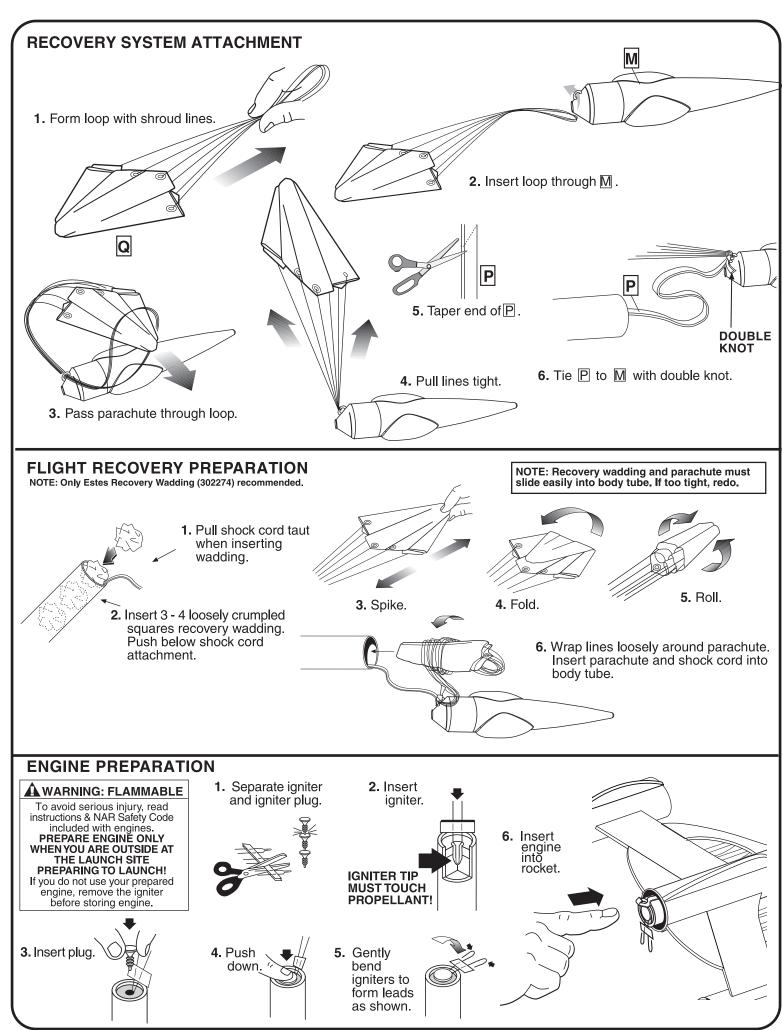




SPRAY PAINT GLOSS BLACK SPRAY PAINT CLEAR COAT (OPTIONAL)

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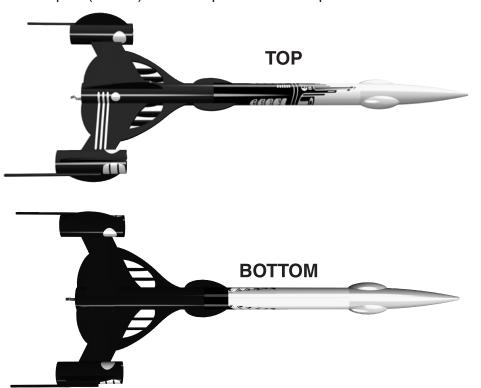


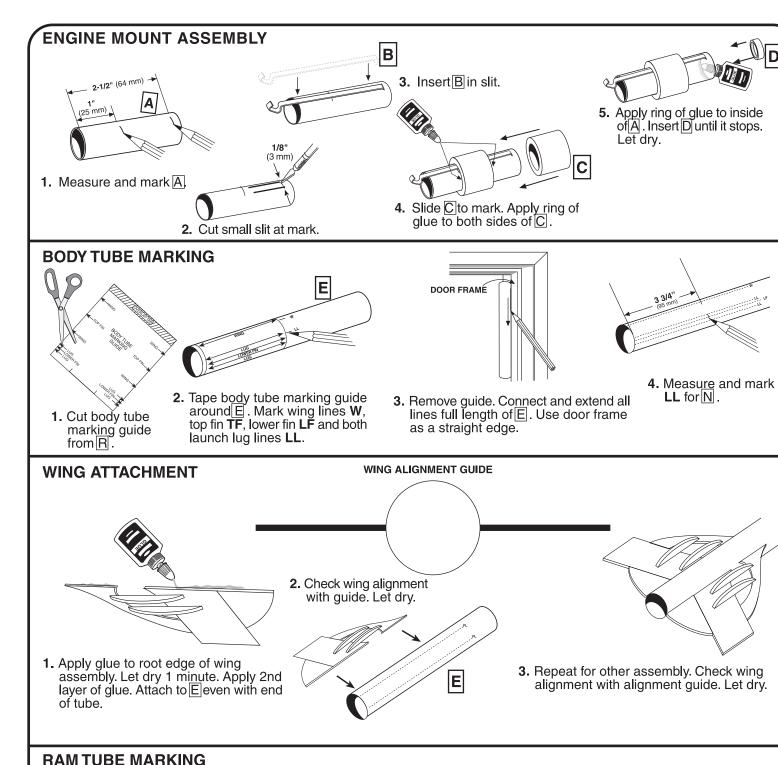
ROCKET FINISHING

NOTE: We have found Testors spray primers (Testors #2948 White Primer), Testors One Coat Lacquer spray paints (color of your choice), 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.

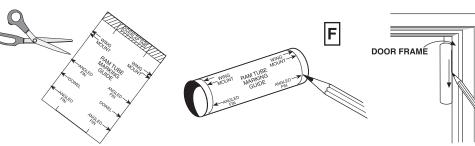
STEPS TO A QUALITY FINISH

- 1. Insert shock cord into body tube and hold in place with paper.
- 2. Lightly sand body tube, fins and nose cone with fine sandpaper (#320 or #400 grit).
- 3. Apply glue fillets to fins and launch lug.
 - a. Allow glue to dry overnight.
- 4. Use a stick inserted into engine mount of the rocket for painting.
- 5. Insert a stick into nose cone to hold for painting. Cover shoulder with masking tape.
- **6.** Apply 1-2 light coats of white primer to rocket body and nose cone, lightly sanding with fine sandpaper (#320 or #400 grit) between coats.
- 7. Apply gloss yellow paint to the top portion of the rocket body to forward fins.
 - **a.** Let paint dry overnight (24 hours is best)
- 8. Apply masking tape and protective cover over yellow.
- **9.** Spray lower portion of rocket gloss black.
 - a. Let dry overnight (24 hours is best).
- **10.** Remove masking tape and protective cover.
- 11. Apply waterslide decals where shown.
 - a. Cut decals to be applied from decal sheet, trimming close to the decal edge.
 - **b.** Place decal in bowl of warm water until decal begins to curl.
 - **c.** Remove decal, position in place and slide decal off of backing material 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.
- 12. When decals are dry, spray entire rocket (body and nose cone separately) with a light coat of Testors Gloss Lacquer (#1961). This will provide added protection and shine to your Alien Invader rocket!

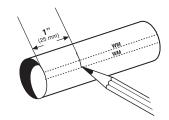






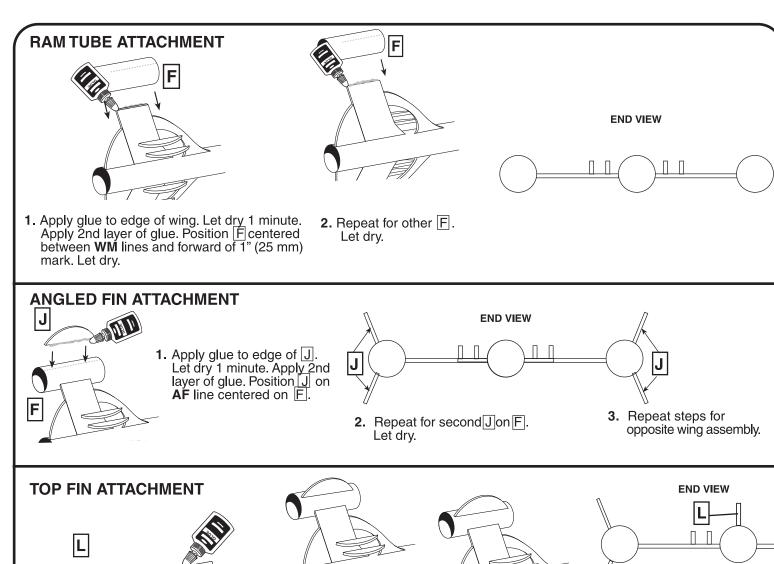


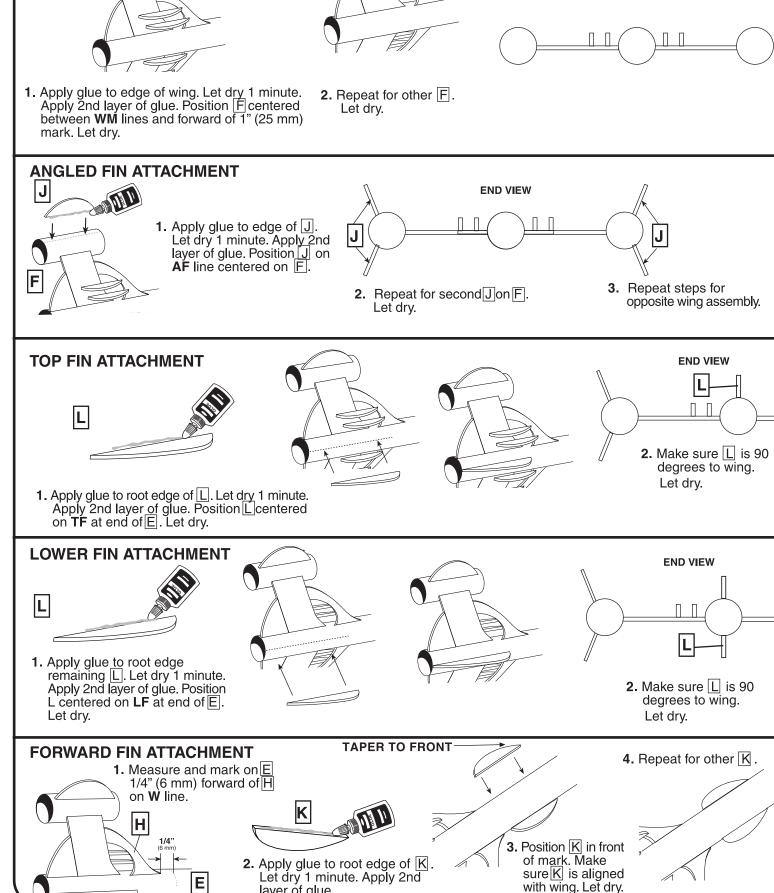
- 1. Cut ram tube marking guide from R.
- 2. Tape ram tube marking guide around F. Mark wing mounts WM, angled fins AF, dowel lines D.
- 3. Remove guide. Connect and extend all lines full length of F. Repeat for other F. Use door frame as a straight edge.



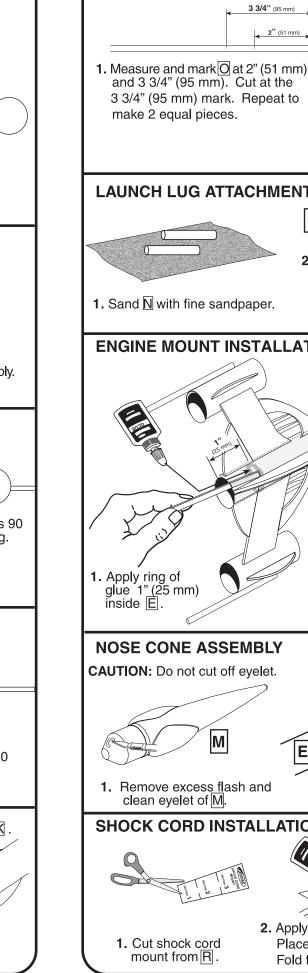
- **4.** Measure and mark **WM** as shown.
 - **5.** Repeat for other **F**.

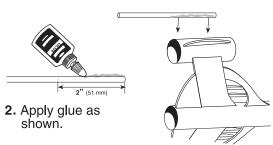
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layer of glue.









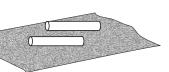
3. Attached glued area of O centered on **D** line on **F**. Let dry.

4. Repeat for other O Let dry.

LAUNCH LUG ATTACHMENT

DOWEL ATTACHMENT

3 3/4" (95 mm)

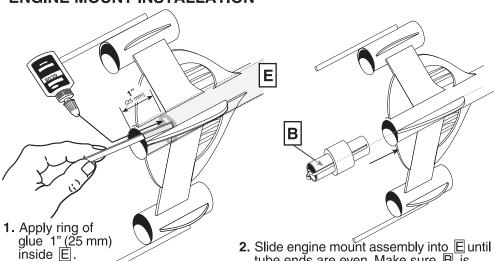


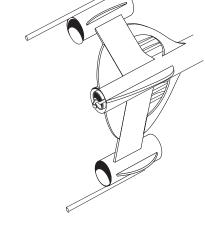


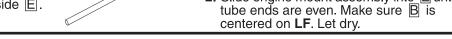
3. Glue one N forward of mark on LL.

Let dry. Repeat for other N.

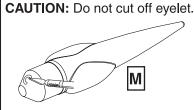








NOSE CONE ASSEMBLY

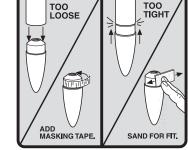




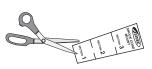


1. Remove excess flash and clean eyelet of M.

2. Test fit M in E. Sand as required for smooth fit.



SHOCK CORD INSTALLATION



mount from R.



Place Pin glue.

Fold forward.



3. Apply glue, fold forward.



1 1/2" (38 mm)

4. Apply glue to shock cord mount. Insert in body tube. Hold until alue sets. Let drv.



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