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

<table>
<thead>
<tr>
<th>Part</th>
<th>Qty</th>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>1</td>
<td>Engine Mount 2.75” (70 mm)</td>
<td>030326-1</td>
</tr>
<tr>
<td>B</td>
<td>1</td>
<td>Engine Hook</td>
<td>035021</td>
</tr>
<tr>
<td>C</td>
<td>1</td>
<td>Green Adapter Ring</td>
<td>030165-2</td>
</tr>
<tr>
<td>D</td>
<td>1</td>
<td>Engine Block</td>
<td>030224</td>
</tr>
<tr>
<td>E</td>
<td>1</td>
<td>Main Body Tube 10” (25.4 cm)</td>
<td>030456</td>
</tr>
<tr>
<td>F</td>
<td>1</td>
<td>Balsa Tube Adapter</td>
<td>070014</td>
</tr>
<tr>
<td>G</td>
<td>1</td>
<td>Payload Section 3” (76 mm)</td>
<td>031786</td>
</tr>
<tr>
<td>H</td>
<td>1</td>
<td>Balsa Nose Cone</td>
<td>070276</td>
</tr>
<tr>
<td>I</td>
<td>1</td>
<td>Screw Eye</td>
<td>038251</td>
</tr>
<tr>
<td>J</td>
<td>4</td>
<td>Laser Cut Fins</td>
<td>065588</td>
</tr>
<tr>
<td>K</td>
<td>1</td>
<td>Launch Lug Standoff</td>
<td>065588</td>
</tr>
<tr>
<td>L</td>
<td>1</td>
<td>Launch Lug</td>
<td>038178</td>
</tr>
<tr>
<td>M</td>
<td>1</td>
<td>Shock Cord 30” (76.2 cm)</td>
<td>038369</td>
</tr>
<tr>
<td>N</td>
<td>1</td>
<td>Parachute 12” (30 cm)</td>
<td>035815</td>
</tr>
<tr>
<td>O</td>
<td>1</td>
<td>Decal (not shown)</td>
<td>065170</td>
</tr>
</tbody>
</table>

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

- Scissors
- Pencil
- Ruler
- Fine Sandpaper (#320-#400 Grit)
- Carpenter’s Glue
- Modeling Knife
- Cellphane Tape
- Masking Tape
- Spray Primer White
- Spray Paint Gloss Red
- Spray Paint Bright Silver
- Spray Paint Clear Coat (optional)
TUBE MARKING GUIDE AND SHOCK CORD MOUNT

(Include a copy if you want to keep instructions.)

FIN PREPARATION

1. Sand both sides of balsa sheet with fine sandpaper (#320 or #400 grit).
4. Sand leading edge round.

ENGINE MOUNT ASSEMBLY

1. Measure and mark A.
2. Cut slit at mark.
3. Insert B in slit.
4. Slide C to mark. Apply glue to both sides of C.
5. Apply glue in end of A.
1. Cut tube marking guide from instructions.

2. Tape guide around E. Mark "FL" and "LL" at arrows.

3. Remove guide. Connect and extend all lines. Use door frame as a straight edge.

4. Measure and mark "LL".

FIN ATTACHMENT

1. Apply glue to root edge of J. Allow to dry 1 minute. Apply 2nd layer of glue and position J centered on "FL" at end of E. Use fin alignment guide for fin attachment accuracy. Let dry.

2. Repeat for remaining J.

LAUNCH LUG ATTACHMENT

1. Apply glue to long edge of K.

2. Position K over "LL" forward of mark. Let dry.

3. When dry, glue L centered on K.

ENGINE MOUNT INSTALLATION

1. Apply glue inside of E.

2. Align B with "LL" and slide engine mount assembly into E even with end. Let dry.

NOTE: Fin removed from drawing for clarity.
PAYLOAD SECTION ASSEMBLY

1. Screw I into F.
2. Test fit F in G. Sand F if necessary to fit. Insert F until stops. Let dry.
3. Apply ring of glue in end of G.

NOSE CONE ASSEMBLY

1. Test fit H in G. If necessary sand to fit. DO NOT GLUE IN PLACE.
2. Remove H for painting.

SHOCK CORD MOUNT INSTALLATION

1. Cut shock cord mount from instructions.
2. Apply glue to section 2. Place M on glue. Fold forward.
3. Apply glue and fold forward.
4. Squeeze tight!
5. Apply glue to shock cord mount and insert in body tube. Hold until glue sets. Let dry.

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 FOR A QUALITY FINISH
1. Insert 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 fillet to fins and launch lug joints.
   a. Let glue dry overnight.
4. Paint the main rocket body, payload section and nose cone separately. Assemble after painting is complete.
5. Use a stick inserted into the motor tube end of the rocket body for painting.
6. Hold the payload section by the screw eye with a clip or pliers for painting.
7. Insert a small nail into the base of the nose cone for painting.
8. We recommend a good filler/primer to be applied to the balsa fins, tube adapter and nose cone before painting.
9. Sand after each application for a smooth finish.
10. Apply 1-2 light coats of white primer to upper and lower rocket sections.
11. Lightly sand with fine sandpaper (#320 or #400 grit) between coats. Allow to dry between each coat.
12. Spray paint main rocket body gloss white.
   a. Let paint dry overnight (24 hours is best).
13. Apply masking tape and protective cover around main rocket body above fins.
   a. Let paint dry overnight (24 hours is best). Remove tape.
15. Spray payload section bright silver or platinum.
   a. Let paint dry overnight (24 hours is best).
16. Spray paint nose cone bright silver or platinum.
   a. Let paint dry overnight (24 hours is best). Remove tape.
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 from the 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. Let decals set overnight before applying protective clear coat.
18. When decals are dry, spray entire rocket (main body, payload section and nose cone separately) with a light coat of Testors Gloss Lacquer (#1961). This will provide added protection and shine to your Reflectors™ rocket!
Estes Reflector Flying Model Rocket Kit

- Huge Payload Section!
- Laser Cut Balsa Fins!
- 12" (30 cm) Parachute Recovery!

FLIES UP TO 750 FEET (228 M)

OVER 20 INCHES (50.8 cm) TALL!