Undt zo! You is now der proudt owner uff der RED MAX. Never before haff ve disclosed der existence uff it. You may tink der Astronauts iss bringen back only moon rocks. Ha! Nein, ist nodt zo. Day iss alzo bringen back der photographischer uff das mysterious rockutt in der crater. Ya! Undt it vas nun udder den der RED MAX! Ach! Himmel! Vitch vas explaining vere it landed. Ach, doze dummkofs! Mein crew kudt neffer getting nodding to verkenn right.

Zo now ve is bringen you das RED MAX vitch iss zo secret iss even forgattin vat is for. Ver-r-ny interesting!

Undt now, you vill built itt und you vill like it. Yavohh! Dat ist an order!

In addition to der materials includen in der kit, you vill also be needen der follow-ing: Sharp modeling knife, scissors, white glue, plastic cement (tube or liquid), soft pencil, fine and extra fine grit sandpaper, sanding sealer undt paints as der specified.

GENERAL CONSTRUCTION NOTES:

GLUE: WHITE GLUE is best. You may use balsa model airplane cement.
CEMENT: Use only plastic cement (tube, or liquid) for plastic parts. (DO NOT use model airplane cement, dummkoff!!)

You will read der instructions care-fullty before beginning der building it, and you will be careful. Goodt!
FINISHING AND PAINTING

11 Allow all glue joints to dry completely. YAVOHL! Apply sanding sealer to balsa surfaces, fine sand and repeat until smooth.

12 Give the rocket a light base coat of white spray paint. Follow with a light coat of orange (or desired finish color), allow to dry and sand lightly. Follow with a final coat of the finish color. NOTE: The nose cone may be left black, unpainted. If you paint the nose DO NOT use dope paints. Dope will “craze” the plastic. Use only enamel specifically for plastics.

13 A camouflage finish is an interesting optional paint scheme for the RED MAX. Use a light earthy finish color and apply irregular black (or white) trim as indicated in photo.

Apply decals (15) as directed on the decal backing. Refer to photographs for proper decal positioning. Use a wet paint brush to help smooth out air bubbles from beneath large decals.

PRE-FLIGHT PREPARATION

TO-15 Pack six (6) squares of crumpled recovery webbing loosely into rocket body tube.

TO-14 Fold the parachute into a triangular shape. Roll chute tightly as shown and wrap shroud lines around it. If chute is too large, unroll and repack until it slides easily into the rocket. A very tight fit may prevent parachute from ejecting properly.

Pack shock cord neatly into rocket. NOTE: DO NOT pack parachute until you are actually ready to launch. For maximum parachute reliability, lightest match deposit talcum powder before each flight, especially in colder weather. NOTE: Flying your rocket when temperatures are 35° or less is not recommended. The plastic parachute becomes stiff and will not always open properly at ejection.

TO-13 Slide nose cone into place. Nose cone should separate easily from rocket body tube, but not be extremely loose. If fit is too tight, sand inside of body tube end and shoulder of nose cone with fine sandpaper.

If nose cone is too loose, add a wrapping of transparent tape to the shoulder of the nose cone.

TO-12 Select an engine and install an igniter. Estes standard NW-1 igniters are supplied in strips and should be cut apart (scissors will work) midway between the coated sections. Bend the igniter at the middle as shown and push it into the engine nozzle as far as it will go.

To operate properly igniter must touch the propellant grain. Spread the leads and apply a square of masking tape or tape disc to the nozzle and leads as shown. The eraser on the end of a pencil is good for pressing the tape securely into place.

TO-11 The recommended engines for use with this rocket are B-2, B-4 and C-5. Use B-2 engine for first flight. You may also use Estes standard B4-2, B6-2, B6-4 and C6-5 model rocket engines.

TO-10 Insert engine into rocket. Engine hook must latch securely over the end of the engine.

TO-9 Disarm the launch panel — remove safety key.

TO-8 Place rocket on launch pad making sure rocket slides freely on launch rod. Clean the micro-clips, then clip one to each lead of the igniter. The clips must not touch each other and the igniter leads must not cross. The rocket may be supported with a scrap of wood or an empty engine casing to make it easier to attach the clips and to keep the clips from touching the blast deflector plate and short-circuiting.

TO-7 Clear the launch area, alert recovery crew and trackers. Check for low flying aircraft and unauthorized persons in the recovery area.

TO-6 Arm the launch panel — insert safety key.

5 . . . . 4 . . . . 3 . . . . 2 . . . . 1 . . . . LAUNCH!!

Important: Mistire Procedure

Occasionally the igniter will heat and burn in two without igniting the engine. This is almost always caused by a failure to install it correctly. Disarm the launch panel, remove the model, clean the igniter residue from the nozzle and install a new igniter. Follow the launching procedure again.
FINISHING AND PAINTING

11 Allow all glue joints to dry completely. YAVOHL! Apply sanding sealer to balsa surfaces, fine sand and repeat until smooth.

12 Give the rocket a light base coat of white spray paint. Follow with a light coat of orange (or desired finish color), allow to dry and sand lightly. Follow with a final coat of the finish color. NOTE: The nose cone may be left black, unpainted. If you paint the nose DO NOT use dope paints. Dope will "craze" the plastic. Use only enamel specifically for plastics.

13 A camouflage finish is an interesting optional paint scheme for the RED MAX. Use a light earth finish color and apply irregular black (or white) trim as indicated in photo.

Apply decals (15) as directed on the decal backing. Refer to photographs for proper decal positioning. Use a wet paint brush to help smooth out air bubbles from beneath large decals.

DER RED MAX, READY FOR LAUNCHING.

PRE-FLIGHT PREPARATION

D-15 Pack six (6) squares of pre-cut parachute into rocket body tube.

D-14 Fold the parachute into a triangular shape. Roll chute tightly as shown and wrap strip of tape around it. If chute is too large, gently pull back and reshape until it slides easily into the rocket. A very tight fit will prevent parachute from ejecting properly.

D-13 Insert nose cone into place. Nose cone should separate easily from rocket body tube, but not be extremely loose. If fit is too tight, apply a thin coat of baby oil on end of nose cone and shoulder of nose cone assembly. If nose cone is too loose, add a wrapping of transparent tape to the shoulder of the nose cone.

D-12 Select an engine and install engine. Estimate total engine weight and should be cut apart (sections will be marked) between the center sections. Bend the igniter at the middle as shown and push it into the engine nozzle as far as it will go. To operate properly, igniter must be securely held in place, the leads and apply a square of masking tape or tape drop to the nozzle and leads as shown. The end of the engine is good for preservin g the tape security in place.

D-11 The recommended Estes engines for use with this rocket are B-2, B-4 and C-6. Use B-2 engine for first flight. You may also use Estes standard 942, 96-2, 96-4 and C-6-5 model rocket engines.

D-10 Insert engine into rocket. Engine hook must latch securely over the end of the engine.

D-9 Dress the launch panel — remove safety key.

D-8 Place rocket on launch pad making sure rocket slides freely on launch rod. Clear the microswitch, then clip each to each lead of the module. Mount the module above the engine and the igniter leads must not cross. The rocket may be supported with a scrap of wood or an empty engine casing to make it easier to attach the igniter leads. The strips from touching the plastic reflector plate and shorrrciroultrog.

D-7 Clear the launch area, alert recovery crew and spectators. Check for low flying aircraft and unauthorized persons in the recovery area.

D-6 Arm the launch panel — insert safety key.

Suggested display gantry for der RED MAX. For safe launchings, use Estes Citation LBR-1 launch system shown on back page of the plans. Optional camouflage paint scheme is shown above.

GENERAL CONSTRUCTION NOTES:

GLUE: WHITE GLUE is best. You may use balsa model airplane cement.
CEMENT: Use only plastic cement (tube, or liquid) for plastic parts. (DO NOT use model airplane cement, dumdokid)

You will read the instructions carefully before beginning der building it, and you will be careful. Good!
DER ASSEMBLY INSTRUCTIONS

1. Cut a 1/8" slit in the engine mount tube (1) and insert engine holder end (2). Glue mylar retainer ring (3) and engine mount rings (4A) onto tube as shown.

2. DO NOT GLUE HERE. HOOK MUST BE FREE TO MOVE

3. Cut out the shock cord mount (6). Pre-fold on dotted lines and glue shock cord end as shown. Glue completed mount into body tube. (Hold mount in place until glue sets.)

4. Set back at least 1-1/2" to allow for nose cone

5. Spread glue here fold forward

6. Spread glue here fold

7. Apply a 1/4" wide band of glue around the inside of the rocket body tube approximately 3" from the rear. (This may be done easily with a dowel, or paint brush.) Slide the engine mount into the body tube until the engine holder end is even with the body tube rear. Glue the rear engine ring-body tube joint.

8. Sand all fin sides (13) smooth. (You may wish to do this before removing them from the die-cut sheets.) Sand the fins' leading and trailing edge round. Sand other edges square. Glue the fins (one at a time) to the body tube directly upon the fin alignment lines as shown. BE SURE that all fins project straight away from the body.

9. Slide mount into tube. Position as in rear view. Glue rear ring joint

10. Note: Hook end is even mitt der body tube end.
Glue the launch lugs (14) to the rocket directly upon the launch lug alignment line exactly as shown.

Assemble the parachute (10) as directed in the printed parachute instructions. Ver-r-ry interesting!

Tie the shock cord (7) and parachute shroud lines (11) to the nose cone screw eye.

When the fin joints are completely dry, apply a glue fillet to each side of the fin-body tube joint. Apply a narrow bead of glue along the joint and wipe smooth with finger as in Fig. 10. Allow glue to set and repeat for next fin. (Support rocket horizontally while drying.)

Wunderbar! You will now be allowed to rest while the glue dries and then continue with finishing and painting.

PARTS LIST

<table>
<thead>
<tr>
<th>PART</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>ENGINE MOUNT TUBE</td>
</tr>
<tr>
<td>2</td>
<td>ENGINE HOLDER</td>
</tr>
<tr>
<td>3</td>
<td>MYLAR RETAINER RING</td>
</tr>
<tr>
<td>4A</td>
<td>ENGINE MOUNT RINGS</td>
</tr>
<tr>
<td>4B</td>
<td>SET, MARKING GUIDES</td>
</tr>
<tr>
<td>5</td>
<td>BODY TUBE</td>
</tr>
<tr>
<td>6</td>
<td>SHOCK CORD MOUNT</td>
</tr>
<tr>
<td>7</td>
<td>SHOCK CORD</td>
</tr>
<tr>
<td>8A</td>
<td>PLASTIC NOSE CONE BASE</td>
</tr>
<tr>
<td>8B</td>
<td>PLASTIC NOSE CONE</td>
</tr>
<tr>
<td>9</td>
<td>SCREW EYE</td>
</tr>
<tr>
<td>10</td>
<td>18&quot; PARACHUTE</td>
</tr>
<tr>
<td>11</td>
<td>PARACHUTE SHROUD LINE (108&quot;)</td>
</tr>
<tr>
<td>12</td>
<td>PARACHUTE TAPE DISCS</td>
</tr>
<tr>
<td>13</td>
<td>DIE-CUT BALSA FIN SHEET</td>
</tr>
<tr>
<td>14</td>
<td>LAUNCH LUGS</td>
</tr>
<tr>
<td>15</td>
<td>DECAL SHEET</td>
</tr>
</tbody>
</table>

KIT ALSO INCLUDES:
COUNTDOWN CHECKLIST CARD

COLOR SCHEME
BLACK — NOSE CONE
ORANGE — FINS, ROCKET BODY
DER ASSEMBLY INSTRUCTIONS

1. Cut a 1/8" slit in the engine mount tube (1) and insert engine holder end (2) and glue mylar retainer ring (3) and engine mount rings (4A) onto tube as shown.

2. Glue rings securely to engine tube.

3. Cut out the shock cord mount (6). Pre-fold on dotted lines and glue shock cord as shown. Glue completed mount into body tube. (Hold mount in place until glue sets.)

4. Set back at least 1-1/2" to allow for nose cone.

5. Cement the plastic nose cone base (8A) into the nose cone (8B). (Use only plastic cement. Good!) Allow cement to dry and turn screw eye (9) into base.

6. Thread screw eye into base.

7. Glue the fin even with tube rear.

8. Leading edge sand round.

9. Trailing edge sand round.


NOTE: Hook end is even mitt der body tube end.

11. Completed engine mount.

12. Glue the launch lugs (14) to the rocket directly upon the launch lug alignment line exactly as shown.

13. Slip the marking guides (4B) onto the rocket body tube (5) and mark tube for fin and launch lug alignment lines. Very easy good!

14. Connect der matchen front unit rear marks.

15. Assemble the parachute (10) as directed in the printed parachute instructions. Very interesting!

16. Tie the shock cord (7) and parachute shroud lines (11) to the nose cone screw eye.

When the fin joints are completely dry, apply a glue fillet to each side of the fin-body tube joint. Apply a narrow bead of glue along the joint and wipe smooth with finger as in Fig. 10. Allow glue to set and repeat for next fin. (Support rocket horizontally while drying.)

Wunderbar! You will now be allowed to rest while the glue dries and then continue with finishing and painting.

PARTS LIST

1. ENGINE MOUNT TUBE
2. ENGINE HOLDER
3. MYLAR RETAINER RING
4A. ENGINE MOUNT RINGS
4B. SET, MARKING GUIDES
5. BODY TUBE
6. SHOCK CORD MOUNT
7. SHOCK CORD
8A. PLASTIC NOSE CONE BASE
8B. PLASTIC NOSE CONE
9. SCREW EYE
10. 18" PARACHUTE
11. PARACHUTE SHROUD LINE (108")
12. PARACHUTE TAPE DISCS
13. DIE-CUT Balsa FIN SHEET
14. LAUNCH LUGS
15. DECAL SHEET

KIT ALSO INCLUDES:
COUNTDOWN CHECKLIST CARD

COLOR SCHEME
BLACK—NOSE CONE
ORANGE—FINS, ROCKET BODY

REAR VIEW
HOOK END IS EVEN MITT DER BODY TUBE END

DECAL SHEET
Suggested display gantry for der RED MAX. For safe launchings, use Estes Citation LS-1 launch system shown on back page of the plans. Optional camouflage paint scheme is shown above.
DER RED MAX, READY FOR LAUNCHING.
<table>
<thead>
<tr>
<th>Quantity</th>
<th>Description</th>
<th>Type</th>
<th>Number</th>
<th>Details1</th>
<th>Details2</th>
<th>Details3</th>
<th>Details4</th>
<th>Comment</th>
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<tbody>
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<td>RA-2060</td>
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<td>5/32&quot; ID</td>
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