

**Card Model Building Instructions for:  
Saturn Rocket Equip.  
Pad 37 Saturn I, Launch Table**

Carl Hewlett, March 5, 2007

1<sup>st</sup>, a look at the Pad History:

Name: Launch Complex 37 (Cape Canaveral LC37)  
Latitude: 28.4998 N.  
Longitude: 80.5531 W.  
Launch Pads: 1  
Used for: Delta IV Medium+ (4.2), Saturn I, Saturn IB.

Complexes 34 and 37 were designed to support NASA's Saturn I and Saturn IB program. Complex 37 was built in 1962, and it was occupied by NASA in January 1963. Complex 37 supported eight Saturn I and Saturn IB missions, including the first flight of an unmanned Apollo lunar module, between 29 January 1964 and 23 January 1968. Complexes 34 and 37 were mothballed in November 1971, and their service structures were scrapped in April 1972. NASA retained control of both complexes, and both sites became NASA tour stops.

You will need the following items:

1. PDF reader software
2. Computer Printer, (Color), with 8 ½"x11" media carriage
3. 8 ½"x11" bond copy paper
4. 8 ½"x11" card stock paper
5. Clear drying PVA Glue
6. Clear drying Glue Stick
7. Hobby Knife
8. Scissors
9. Straight edge, (For cutting guide).

Prepare for the build by doing the following steps:

1. Plot or print the Parts PDF file, following the printing notes on each page.
2. Plot with the "fit to page" scaling feature turned off.
3. To make Model 1:96th Scale, plot/print pages with the scale reduced by 25%.
4. Cut parts out on a cutting surface, (i.e. cutting board).

Steps for Build:

1. Cut out and score, Part 1. Laminate the center, (Not the fold tabs), to heavy, card stock media. Cut out center circle, fold and glue side flaps.
2. Cut out part 2. Glue to the bottom of part 1.

3. Cut out and score part 3. Fold, fit and glue into a assembly.
4. Cut out and score part 4. Roll and glue into a cylinder (Printed side inward).
5. Fold glue tabs of part 4 outwards.
6. Glue part 4 to the backside of part 3 making sure it is flush with the edge of the open circle.
7. Glue the part 3/4 assembly to the bottom of the part 1/2 assembly and align with the printed pattern on the part 2 surface.
8. Cut out, score and glue part 5 into an assembly.
9. Cut out, score and glue part 6 into an assembly.
10. Glue part 5 assembly to part 6 assembly (See attached build pictures).
11. Glue Part 5/6 assemblies to the top of part 1 (See attached build pictures).
12. Cut out and score parts 7, 8, 9, and 10. Glue into a square assembly.
13. Fit and glue the part 7-10 assembly to top edge of part 1 (See attached build pictures).
14. Cut out, score, fit and glue part 11 into the leg assembly. Do this for all four parts.
15. Glue the part 11 assemblies to the bottom of part 3 at the 4 profiled corners (angle to center circle).
16. Cut out, score, fit, and glue the part 12's, (Angle gussets), around the perimeter of part 1, (angled down to part 3, 7 evenly spaced on each side with 1 at each corner).
17. Cut out two parts 13, roll into a cone (Do not glue yet).
18. Cut out two Parts 14, roll into a cylinder and glue.
19. Fit part 13 to the feathered end of part 14, forming them to match the profile shown in attached elevations and glue into place.
20. Cut out, score, fold over and glue parts 15 & 16.
21. Cut out, score and fold parts 17 & 18 (to make stair landings).
22. Cut out part 19 to make (3) stair runs. Score and fold in corrugated pattern to make stair treads & risers.
23. Laminate parts 20 thru 30 to heavy card stock. Then laminate a copy of page 15 to back side of each. Cut out and set aside.
24. Glue part 20 (Stair formers), to back side of parts 21, 22, 23, 24, 25 & 26 (Stair stringers).
25. Glue formed part 19 to part 20/(21, 23, 26 assemblies).
26. Glue formed part 19 to part 20/(22, 24, 25 assemblies).
27. Glue part 27 to part 22 & 24.
28. Glue part 29 to part 24 & 26.
29. Glue part 17 to part 27/22/24 assembly to create a landing.
30. Glue part 18 to part 29/24/26 assembly to create a landing.
31. Glue part 28 (Vertical stair support) to nose of part 17 (landing (See attached Elevations)).

32. Glue part 30 (Vertical stair support) to nose of part 18 (landing (See attached Elevations)).
33. Print two copies of page 10, laminate to heavy card stock and cut out parts 32, 32, & 33. Set aside for now.
34. Laminate page 37 to heavy card stock and cut out part 34.
35. Glue part 34 to printed side of part 33.
36. Glue part 32 to blank/back side of part 33.
37. Glue part 31 to face of part 32 and place in matching profile/printed area.
38. Cut out, score and fold part 35, gluing along the long edges to the top edges of both parts 31.
39. Laminate page 13 to heavy card stock (Print out a copy of page 15 and laminate to the back of page 13).
40. Cut out, score, fold and glue part 36 into an assembly to match the attached elevations.
41. Cut out part 37. Glue into the bottom of part 36 assembly, (Printed side up).
42. Cut out, score and fold parts 39 and 43.
43. Glue part 39 to part 43 to make a platform at the bottom kick-plate.
44. Glue to the top of part 36 (See attached elevation for location).
45. Cut out, score, fold over and glue part 38.
46. Glue parts 38 and 39 (See attached elevations for location).
47. Cut out, score, fold and glue part 40 into an assembly to match the attached elevations.
48. Cut out part 41. Glue into the bottom of the part 40 assembly (Printed side up).
49. Cut out, score, fold over and glue part 42.
50. Glue parts 40 and 42 (See attached elevations for locations).
51. Cut out, score, fold and glue part 44 to make trusses.
52. Glue part 44 (Deflector trusses) in locations shown on attached elevations.
53. Cut out part 45 and glue in locations shown in attached elevations.

Enjoy your finished model.

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