

ASSEMBLY MANUAL

TM-12

ADAMS

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"THOR" at WHITE SANDS

WHAT YOU SHOULD KNOW BEFORE YOU BUILD THIS KIT

1. This kit is molded with high impact Styrene plastic.
2. Use only Styrene type cement to glue parts. Do not let cement touch your eyes or clothing.
3. Paint parts before assembling with enamel paint only. Note: Do not use any lacquer base paints because it will soften the plastic.
4. Trim any extra plastic (flash) from parts before assembling to insure a good clean fit.
5. Read instructions over carefully before starting to assemble parts. Begin with Step 1.
6. Read back of decal sheet instructions. Use a small brush to wet part where decal is to be placed. The brush will also help you position decals easily.
7. The drawings are numbered for ease of assembly and also the parts have a matching number. Start with No. 1 and cement it to No. 2, etc. The "R" and "L" tells you where the part is to be placed, "right side" or "left side."
8. Large parts are numbered on the inside or bottom of the parts. The smaller parts have the number stamped into the plastic "runner" on which the small parts are attached.
9. Put cement on the edges of the parts which are to be assembled. Do not use too much cement as it will soften the plastic and also spoil the finish.
10. Have some rubber bands handy to hold parts together if needed.

A SHORT HISTORY ABOUT YOUR "THOR" IRBM

Design, development and delivery of the Air Force intermediate range ballistic missile THOR, a potent deterrent to world aggression, was accomplished in the record time of nine and a half months after contract signature.

It was on December 27, 1955, that the Ballistic Missile Division (Then Western Development Division) and Douglas Aircraft company signed the contract which initiated the THOR project.

The very first missile was fabricated and assembled in its operational configuration on production tooling. When it was loaded aboard a C-124 Globemaster in October, 1956 for aerial delivery to Patrick Air Force Base, it came from a functioning production line.

Production in quantity was available from that time onward at the Douglas Santa Monica, Calif., Plant.

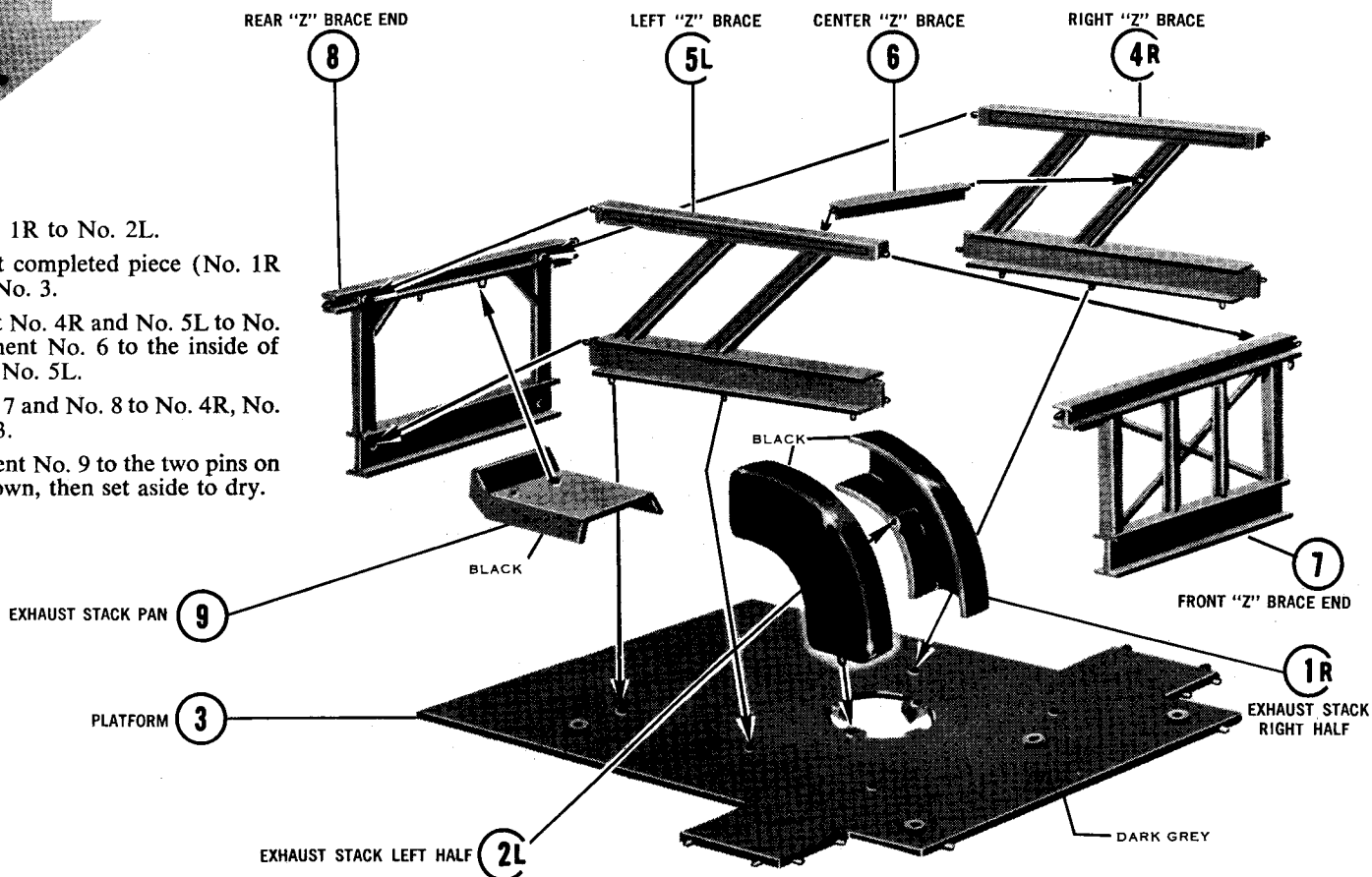
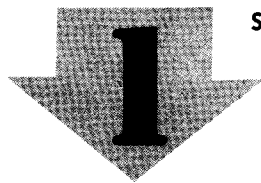
A static test firing facility for Thor at Sacramento, Calif., was jointly financed by the Air Force and the Douglas Aircraft company at a cost of \$7,000,000. The procedure permits all of the precise systems that make up the missile to be thoroughly check out and tested as an integrated unit without expending a missile.

Since the 1,500 mile Thor range pre-supposed overseas launching sites, the problem of aircraft logistics figured in the basic design of the missile.

Thor was designed from the start to fit conveniently into such Air Force cargo carriers as the C-124 and the C-133 airplanes, and can be quickly flown to launching areas.

Operational responsibility for THOR has been turned over to the Strategic Air Command.

SPREAD OUT THE PARTS FOR THIS STEP. PAINT THE DETAIL SHOWN AND LET DRY BEFORE CEMENTING.

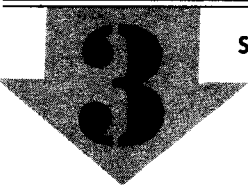
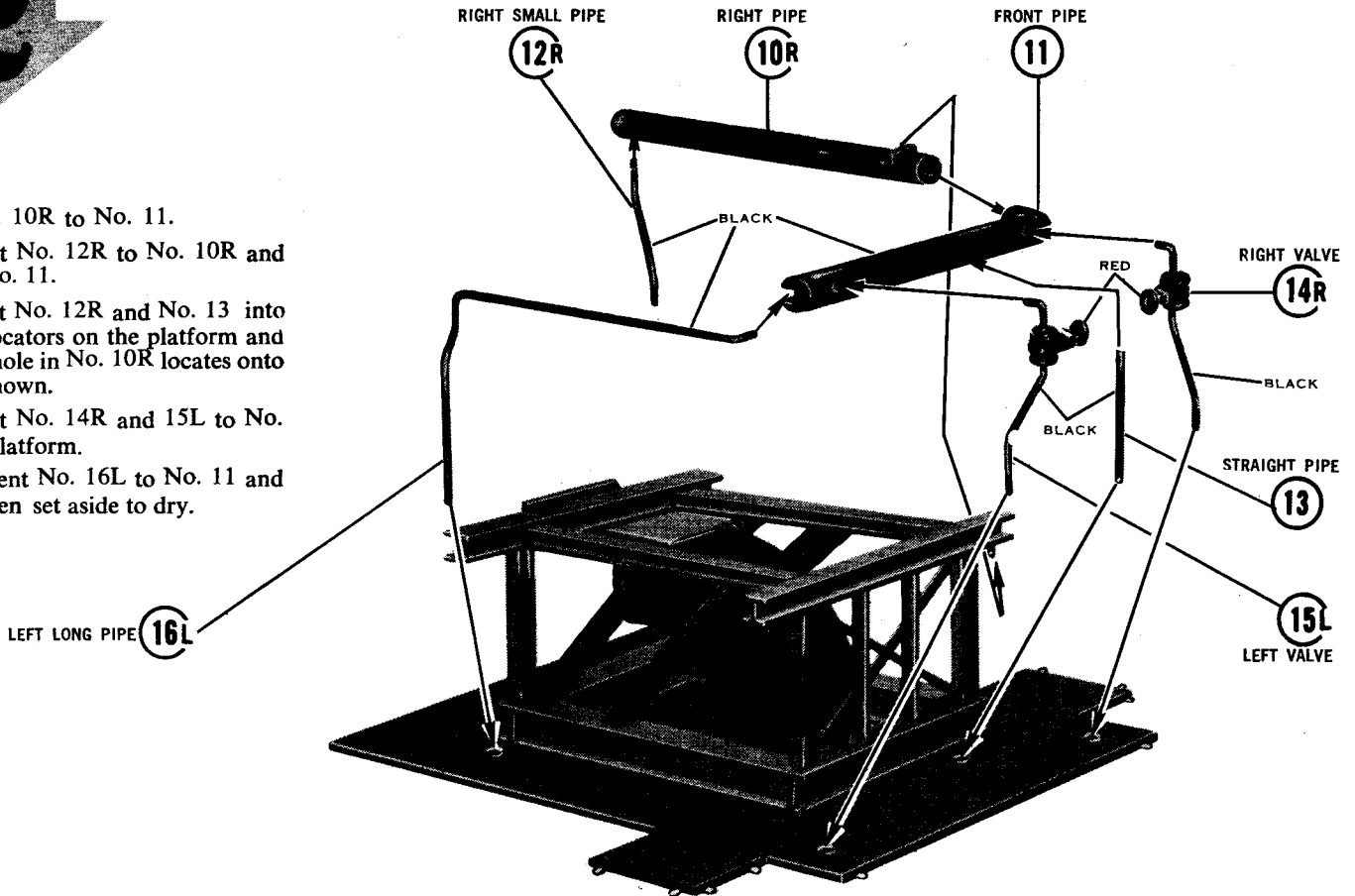


1. Cement No. 1R to No. 2L.
2. Now cement completed piece (No. 1R and 2L) to No. 3.
3. Next cement No. 4R and No. 5L to No. 3. Then cement No. 6 to the inside of No. 4R and No. 5L.
4. Cement No. 7 and No. 8 to No. 4R, No. 5L and No. 3.
5. Finally cement No. 9 to the two pins on No. 8 as shown, then set aside to dry.



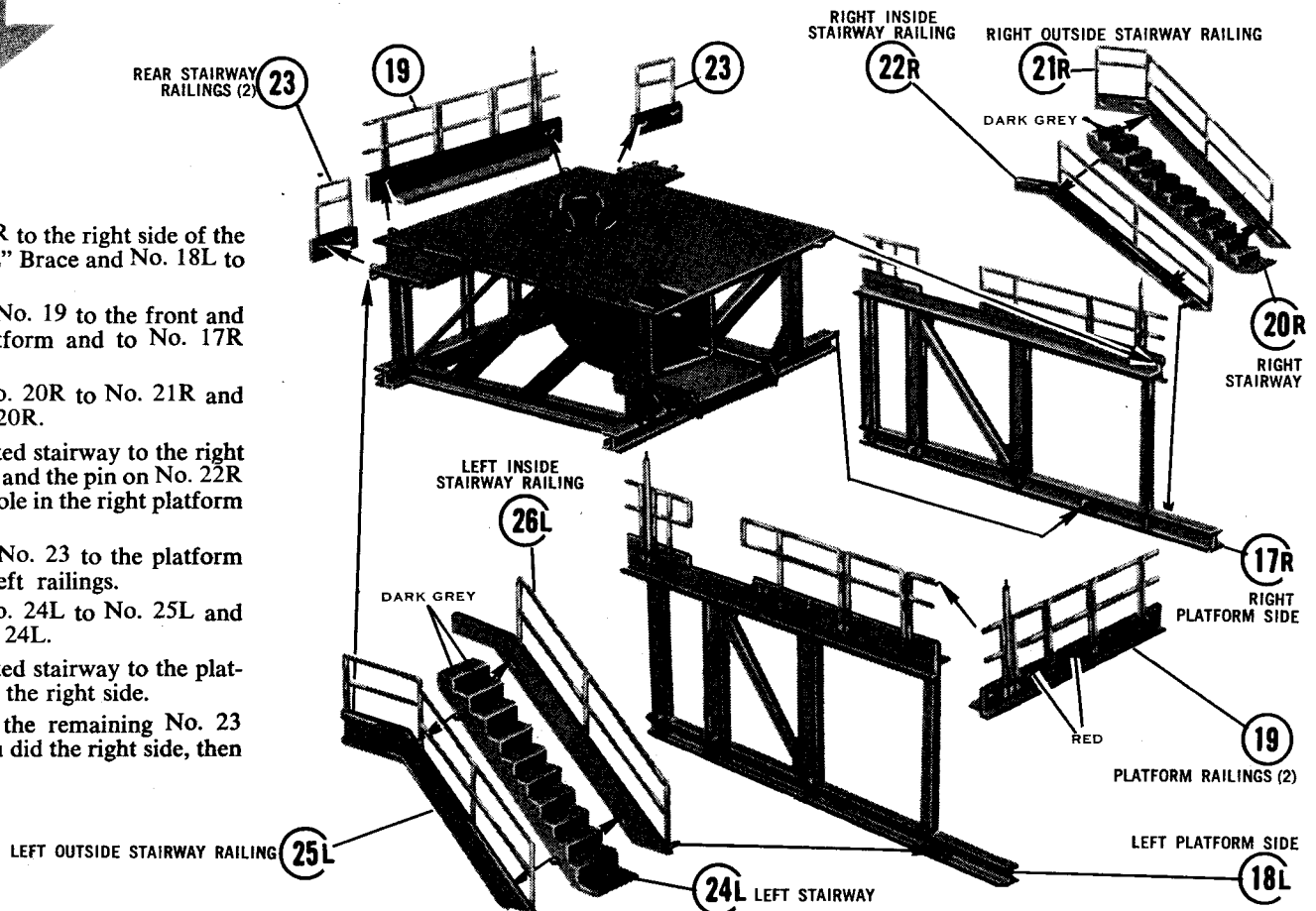
SPREAD OUT THE PARTS FOR THIS STEP. PAINT THE DETAIL SHOWN AND LET DRY BEFORE CEMENTING.

1. Cement No. 10R to No. 11.
2. Now cement No. 12R to No. 10R and No. 13 to No. 11.
3. Next cement No. 12R and No. 13 into the round locators on the platform and be sure the hole in No. 10R locates onto the pin as shown.
4. Next cement No. 14R and 15L to No. 11 and the platform.
5. Finally cement No. 16L to No. 11 and platform then set aside to dry.

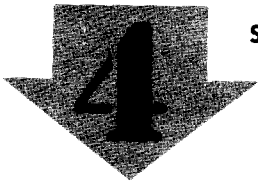


SPREAD OUT THE PARTS FOR THIS STEP. PAINT THE DETAIL SHOWN AND LET DRY BEFORE CEMENTING.

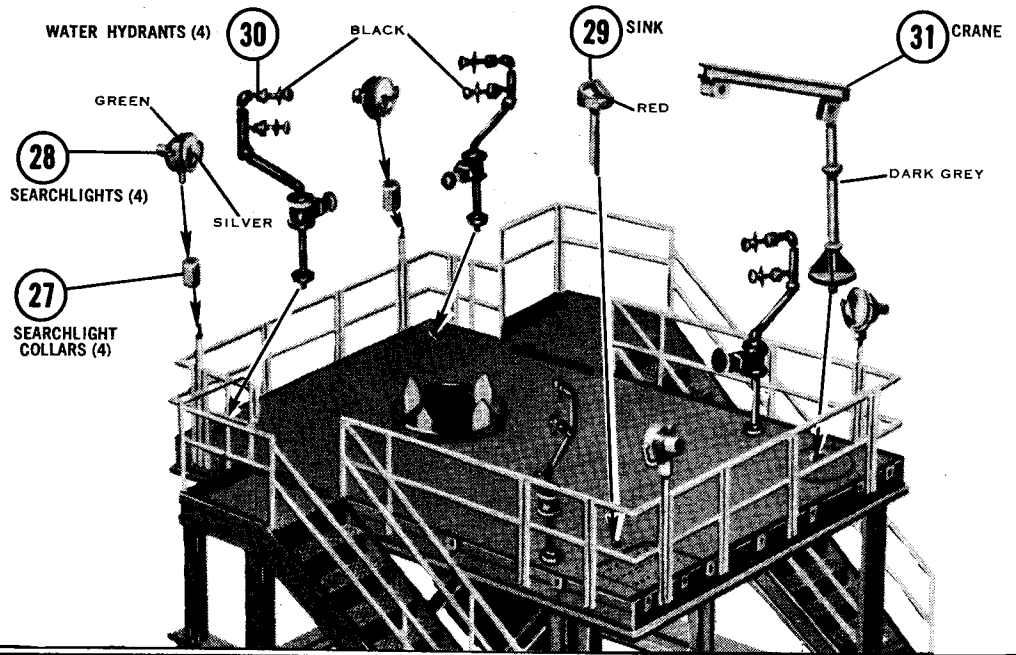
1. Cement No. 17R to the right side of the platform and "Z" Brace and No. 18L to the left side.
2. Next cement a No. 19 to the front and rear of the platform and to No. 17R and 18L.
3. Now cement No. 20R to No. 21R and No. 22R to No. 20R.
4. Cement completed stairway to the right side of platform and the pin on No. 22R to the locating hole in the right platform side.
5. Next cement a No. 23 to the platform and right and left railings.
6. Now cement No. 24L to No. 25L and No. 26L to No. 24L.
7. Cement completed stairway to the platform as you did the right side.
8. Finally cement the remaining No. 23 into place as you did the right side, then set aside to dry.



SPREAD OUT THE PARTS FOR THIS STEP. PAINT THE DETAIL SHOWN AND LET DRY BEFORE CEMENTING.

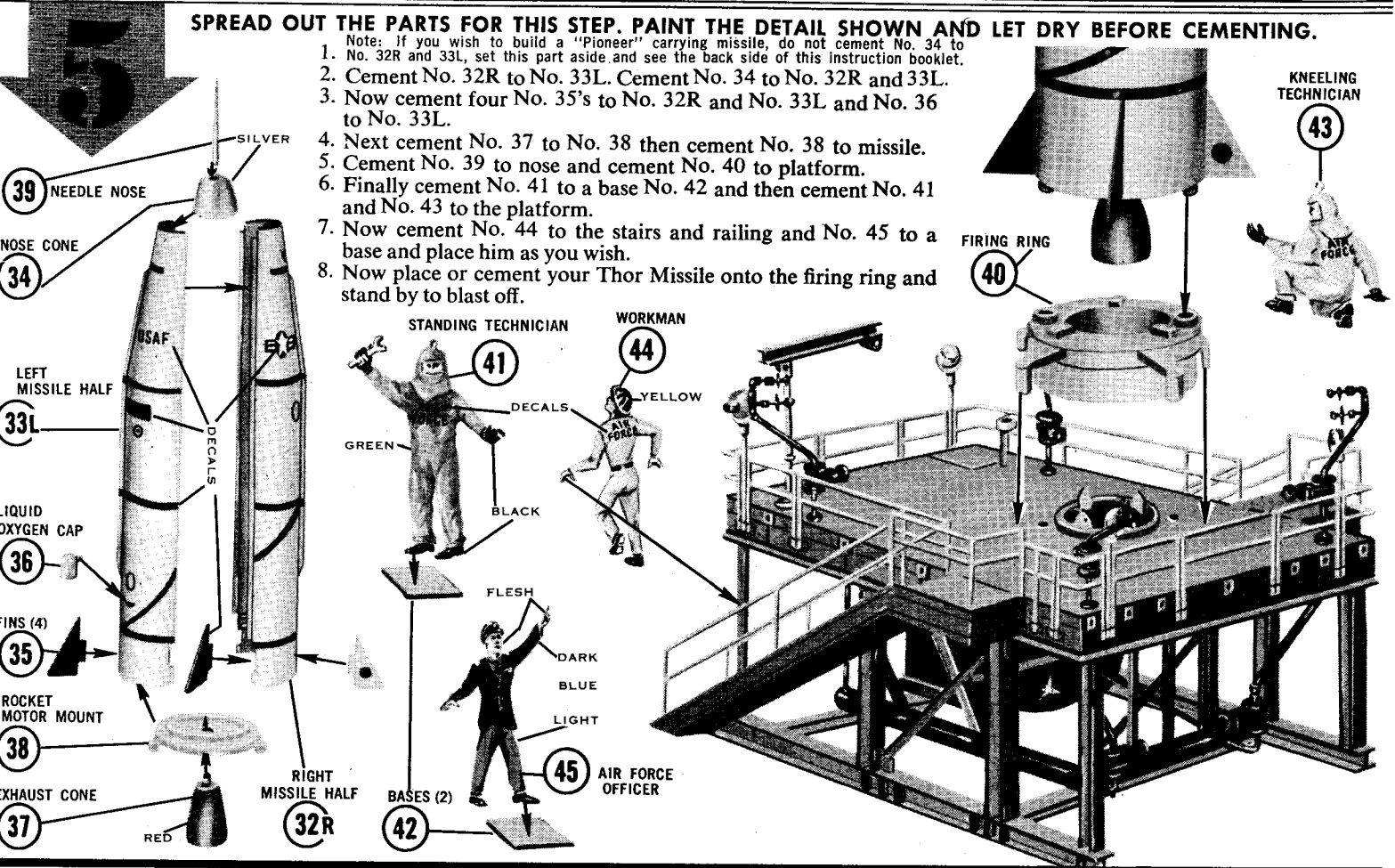


1. Cement a No. 27 to each post on the railings.
2. Now cement a No. 28 to each No. 27.
3. Cement No. 29 to the platform as shown.
4. Now cement four No. 30's to the platform as shown.
5. Finally cement No. 31 to the platform.



SPREAD OUT THE PARTS FOR THIS STEP. PAINT THE DETAIL SHOWN AND LET DRY BEFORE CEMENTING.

- Note: If you wish to build a "Pioneer" carrying missile, do not cement No. 34 to No. 32R and 33L, set this part aside and see the back side of this instruction booklet.
1. Cement No. 32R to No. 33L. Cement No. 34 to No. 32R and 33L.
 2. Now cement four No. 35's to No. 32R and No. 33L and No. 36 to No. 33L.
 3. Next cement No. 37 to No. 38 then cement No. 38 to missile.
 4. Cement No. 39 to nose and cement No. 40 to platform.
 5. Finally cement No. 41 to a base No. 42 and then cement No. 41 and No. 43 to the platform.
 6. Now cement No. 44 to the stairs and railing and No. 45 to a base and place him as you wish.
 7. Now place or cement your Thor Missile onto the firing ring and stand by to blast off.



PARTS LIST FOR YOUR "THOR" MISSILE

- | | | | |
|------------------------------|-------------------------------------|------------------------------------|-------------------------|
| 1R. EXHAUST STACK RIGHT HALF | 13. STRAIGHT PIPE | 25L. LEFT OUTSIDE STAIRWAY RAILING | 37. EXHAUST CONE |
| 2L. EXHAUST STACK LEFT HALF | 14R. RIGHT VALVE | 26L. LEFT INSIDE STAIRWAY RAILING | 38. ROCKET MOTOR MOUNT |
| 3. PLATFORM | 15L. LEFT VALVE | 27. SEARCHLIGHT COLLARS (4) | 39. NEEDLE NOSE |
| 4R. RIGHT "Z" BRACE | 16L. LEFT LONG PIPE | 28. SEARCHLIGHTS (4) | 40. FIRING RING |
| 5L. LEFT "Z" BRACE | 17R. RIGHT PLATFORM SIDE | 29. SINK | 41. STANDING TECHNICIAN |
| 6. CENTER "Z" BRACE | 18L. LEFT PLATFORM SIDE | 30. WATER HYDRANTS (4) | 42. BASES (2) |
| 7. FRONT "Z" BRACE END | 19. PLATFORM RAILINGS (2) | 31. CRANE | 43. KNEELING TECHNICIAN |
| 8. REAR "Z" BRACE END | 20R. RIGHT STAIRWAY | 32R. RIGHT MISSILE HALF | 44. WORKMAN |
| 9. EXHAUST STACK PAN | 21R. RIGHT OUTSIDE STAIRWAY RAILING | 33L. LEFT MISSILE HALF | 45. AIR FORCE OFFICER |
| 10R. RIGHT PIPE | 22R. RIGHT INSIDE STAIRWAY RAILING | 34. NOSE CONE | 46. DECALS |
| 11. FRONT PIPE | 23. REAR STAIRWAY RAILINGS (2) | 35. FINS (4) | |
| 12R. RIGHT SMALL PIPE | 24L. LEFT STAIRWAY | 36. LIQUID OXYGEN CAP | |

IN CASE OF ANY MISSING PARTS, WRITE TO DEPT. NO. 9 ADAMS ACTION MODELS 12519 CERISE AVE. HAWTHORNE, CALIFORNIA

K-162 LITHO IN U.S.A.

TRY YOUR HAND AT A "MOONSHOT" by building a "PIONEER."

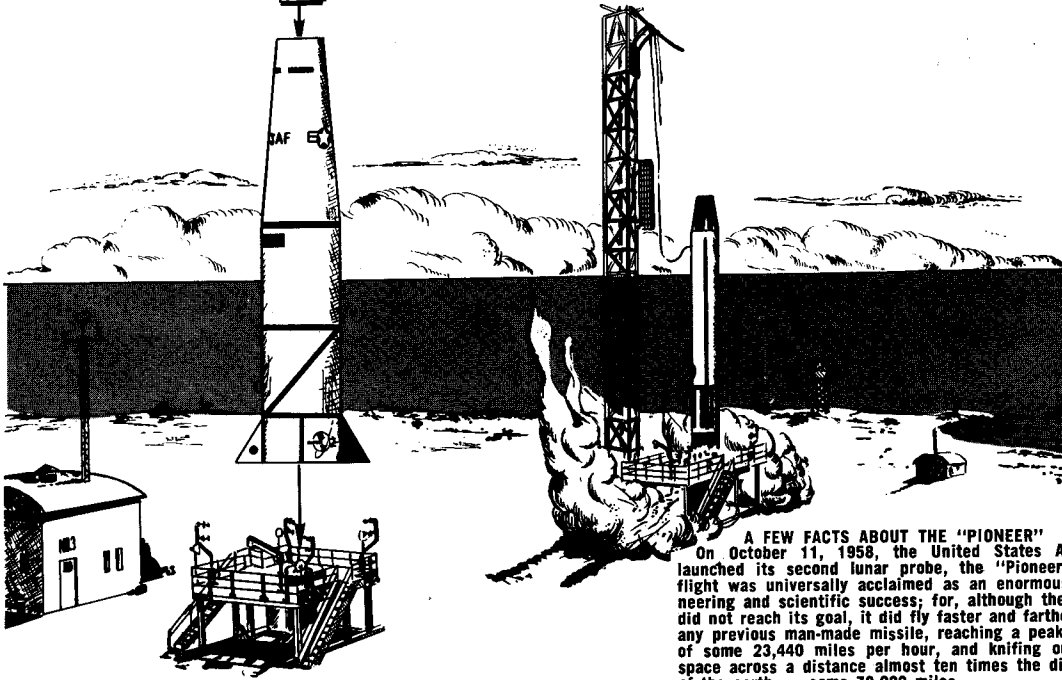
IT'S EASY

Since you already have either the mighty "Thor" or the versatile "Vanguard" just run down and buy the one you don't have and follow the simple instructions.

1. Cement the "Thor" nose adaptor not the "Thor" nose cone to your "Thor" missile.
2. Now take only the second stage of your "Vanguard" and cement it to the "Thor" nose adaptor.
3. Now place the missile on the firing platform and try your luck at a "moonshot." Good luck.

Note: The remaining parts of your "Vanguard" and firing platform can be used as a first stage testing station for the "Vanguard." Now you're set up just like the missile sight at Cape Canaveral.

"THOR" NOSE ADAPTOR



A FEW FACTS ABOUT THE "PIONEER"

On October 11, 1958, the United States Airforce launched its second lunar probe, the "Pioneer." The flight was universally acclaimed as an enormous engineering and scientific success; for, although the probe did not reach its goal, it did fly faster and farther than any previous man-made missile, reaching a peak speed of some 23,440 miles per hour, and knifing out into space across a distance almost ten times the diameter of the earth... some 79,000 miles.

Hey, kids! If you would like a copy of our new Adams Action Kit Catalog, featuring military—missiles—and Western plus many new items, send 10¢ in coin to the address shown at the bottom of your parts list. Delivery approx. 2-59.

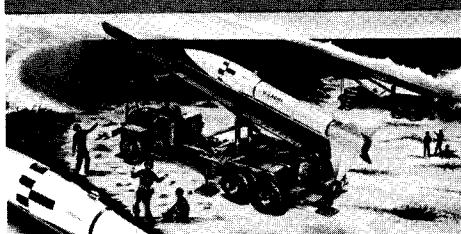
Dear Hobbyist:

We at Adams Action Models would like your help. Since it is you, the kit builder, whom we are trying to please, by making exciting easy to build action kits, we would like to know what you are interested in and what kits you would like to add to your Adams collection. Although we may not be able to answer all your letters, we would appreciate any suggestions that you can give us. Please drop us a line. We will be glad to hear from you.

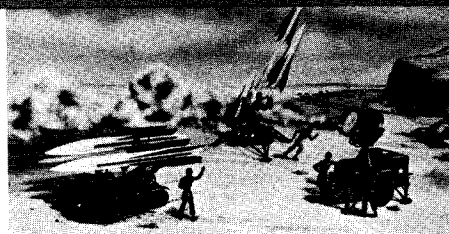
HAPPY MODEL BUILDING,
ADAMS ACTION MODELS

This was done with a combination first stage "Thor" and second stage "Vanguard" carrying the "Pioneer" payload. The weird "combo" was built by Douglas aircraft and tagged "Thor-Able," Project "Moonshoot." Even though Mr. Moon, at the present, is keeping his secrets, our scientists are already working on a "planet shoot" to Mars, a mere 248,000,000 and 35,000,000 miles from earth and one of our near neighbors Venus, 25,000,000 to 161,000,000 miles apart. Much of our necessary information was obtained from the "Pioneer."

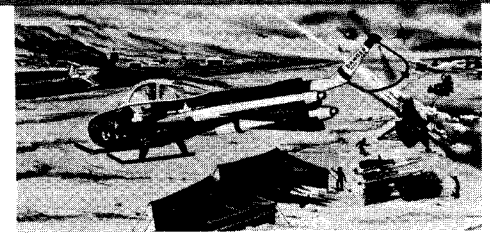
THE MILITARY LINE OF MODELS



K-150 "HONEST JOHN" & LAUNCHER



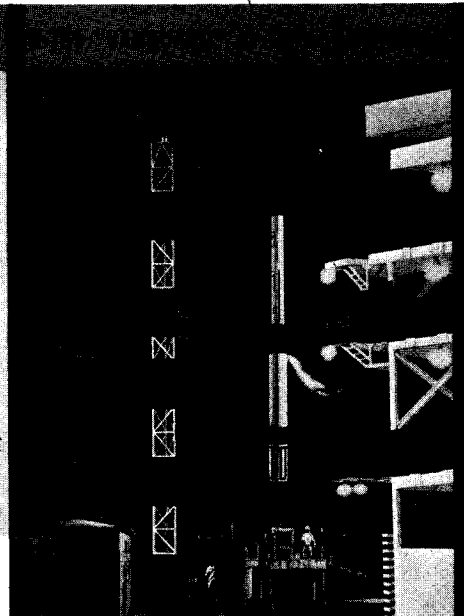
K-154 "HAWK" MISSILE BATTERY



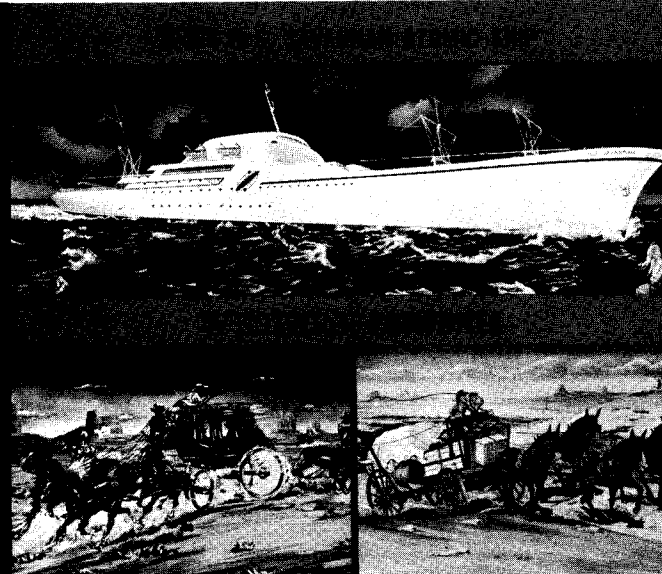
K-158 AERIAL MISSILE TRANSPORTER



K-80 BALLOON



K-230 WELLS-FARGO STAGECOACH



K-232 RANCH WAGON