

No. 9001

PILGRIM OBSERVER MANNED SPACE STATION

CONSTRUCTION PROCEDURE

2 PLATED

PLEASE READ THIS FIRST

2 NON-PLATED

It is recommended that you incorporate the following tools for constructing your space station. A modeler knife or single edge razor blade, small artist's paint brushes for detailing, plastic cement (liquid is recommended).

Read all the instructions carefully, step by step in the order numbered. The numbering system has been checked for ease in building and should be followed. A star with a number one next to a part means that you should start that assembly with that part. Remember to use your cement carefully; do not get any on exposed surfaces. MOVING PARTS: should be lubricated with a small amount of petroleum jelly or household oil.

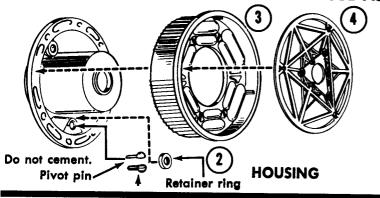
PAINTING NOTE: Parts of many assemblies should be painted prior to assembling. Plan your color scheme carefully. Paint where necessary and set aside to dry. DO NOT HURRY, care when building will reveal a model you will be proud of.

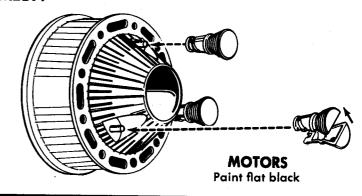


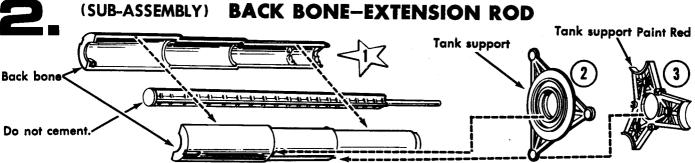
1.

Assemble three pivot pins as shown, use cement carefully on retainer ring.

MAIN THRUSTERS
(SUB-ASSEMBLY)







NOTE: Do not get cement on extension rod, it has to move in and out freely.

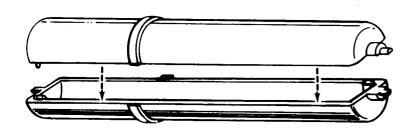
CHECK ALIGNMENT

Be sure to align tank supports to back bone using tabs and slots built in. **3.** ,

FUEL TANKS

HYDROGEN LIQUID OXYGEN

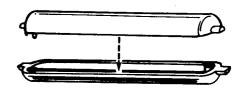
(SUB-ASSEMBLY)



Assemble three outboard tanks as shown.

AFT STOWAGE TANKS

Assemble three large aft inboard tanks as shown.



Paint Light Blue

FORWARD STOWAGE TANKS

SMALL

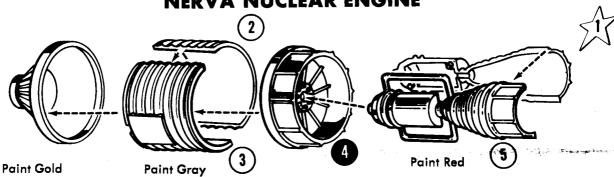
Paint Yellow

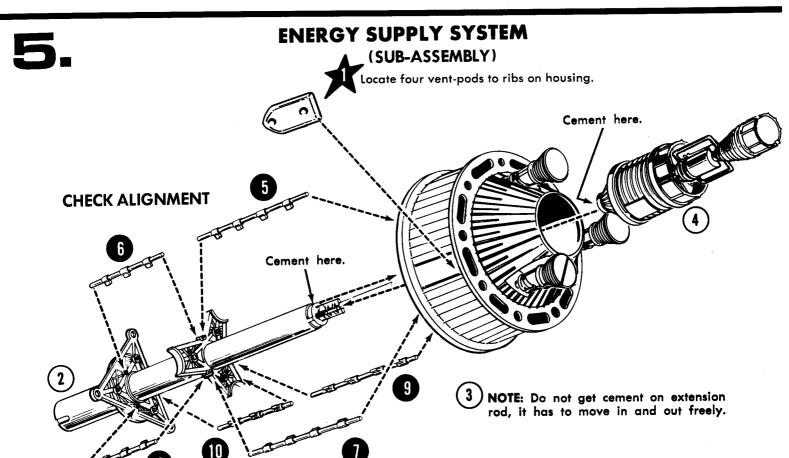


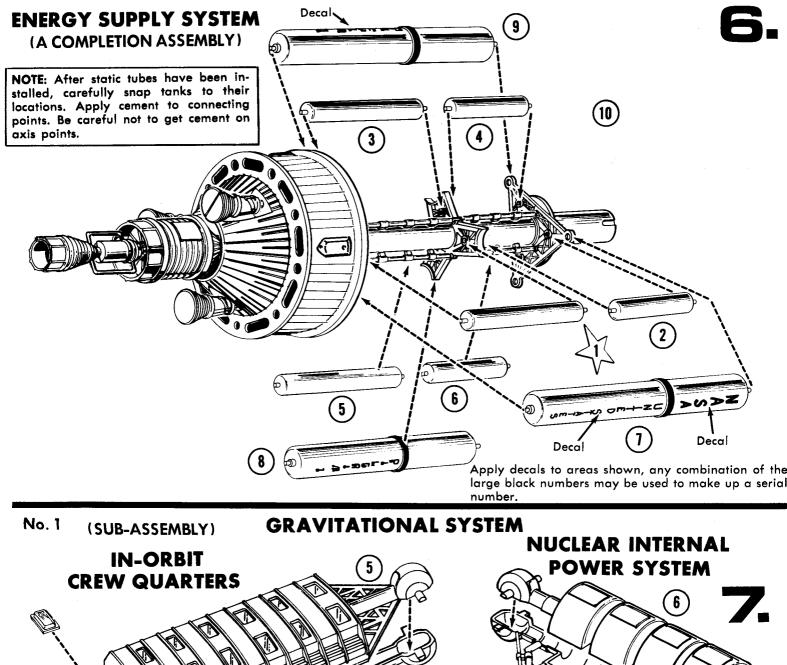
Assemble three small forward inboard tanks as shown.

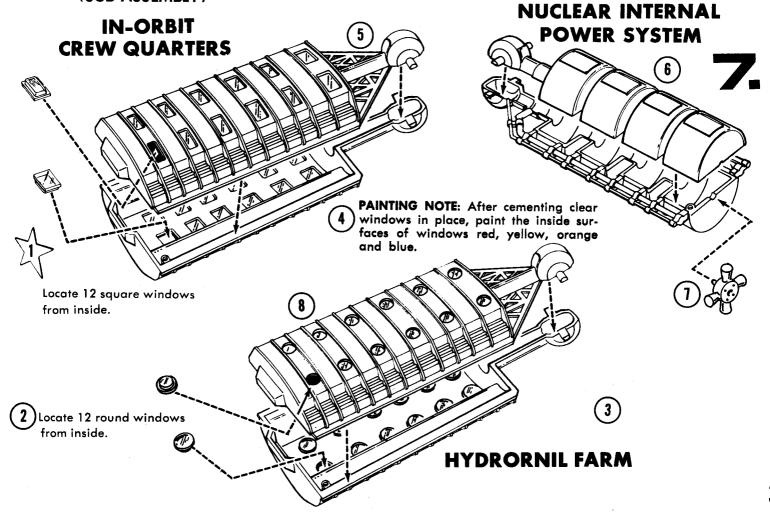


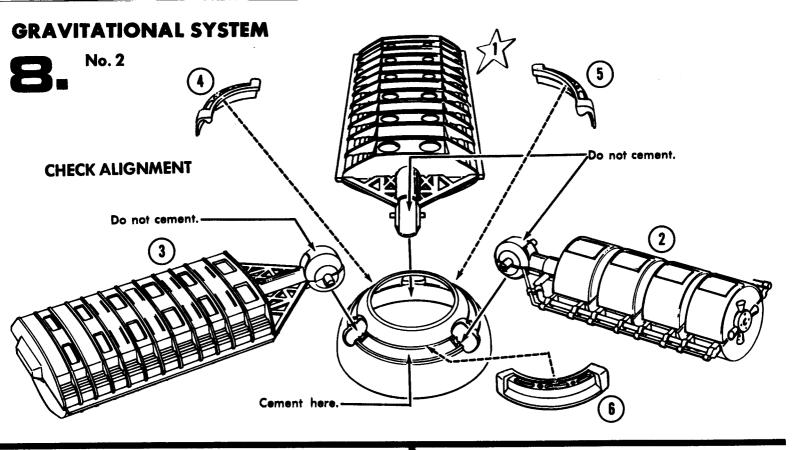
NERVA NUCLEAR ENGINE





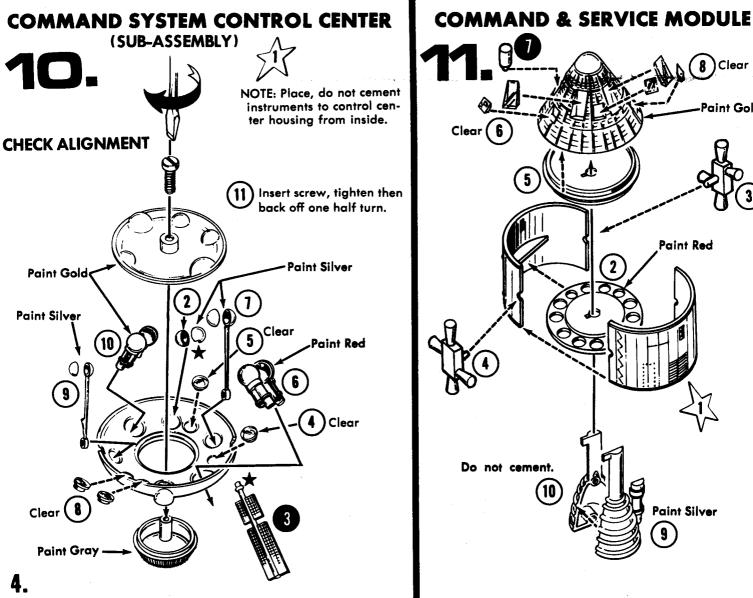


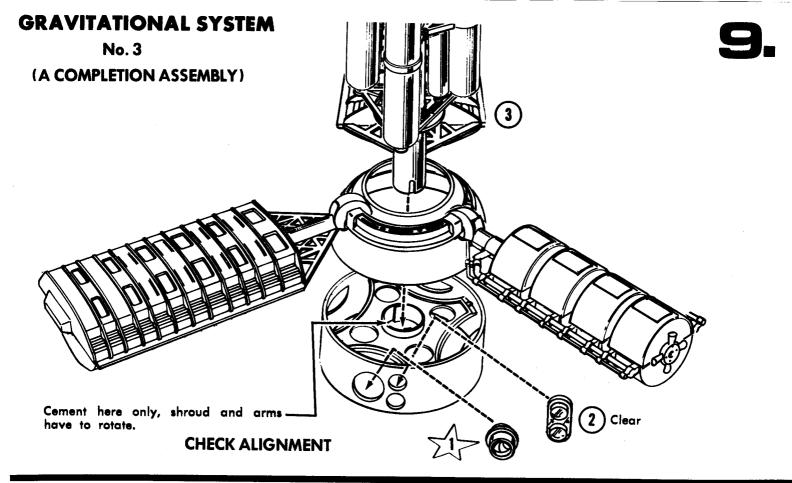


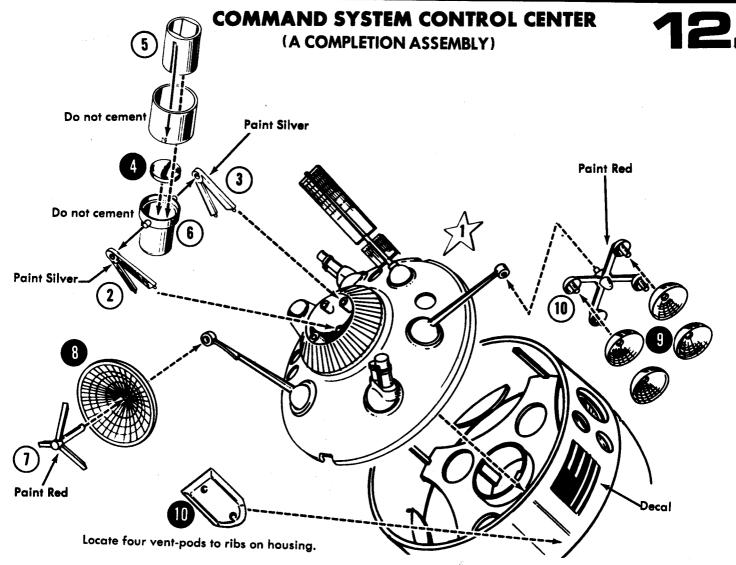


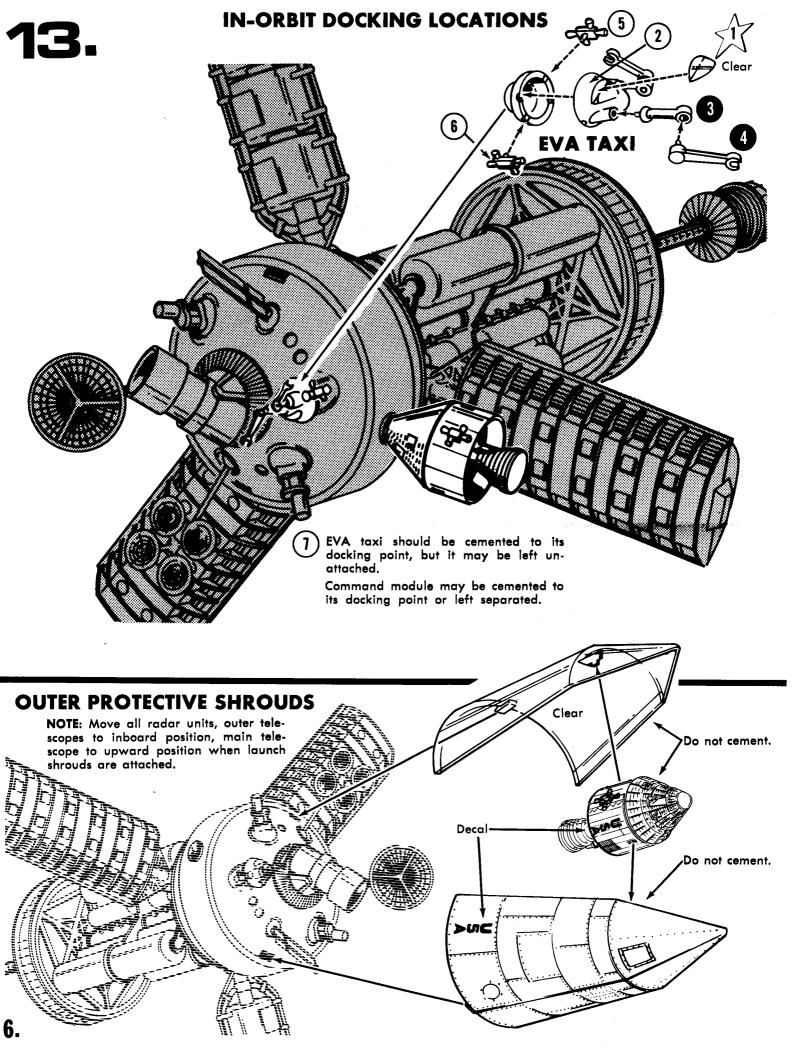
8 Clear

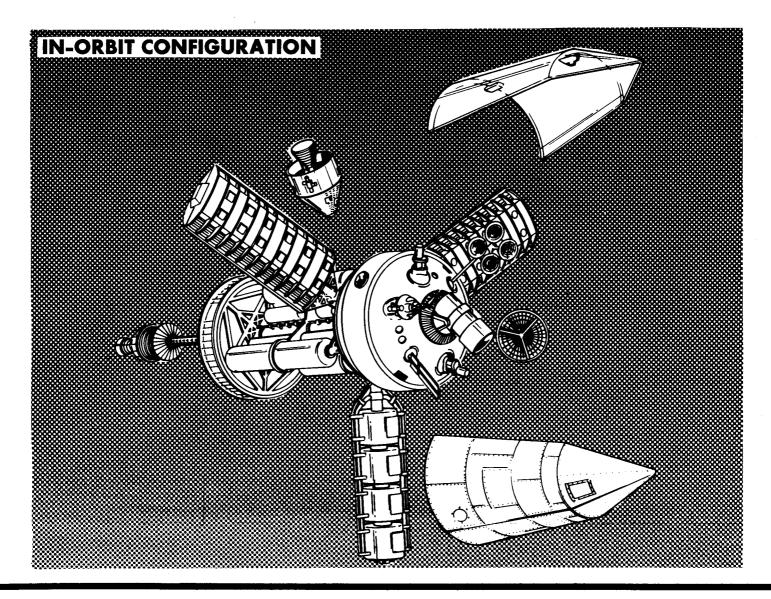
Paint Gold

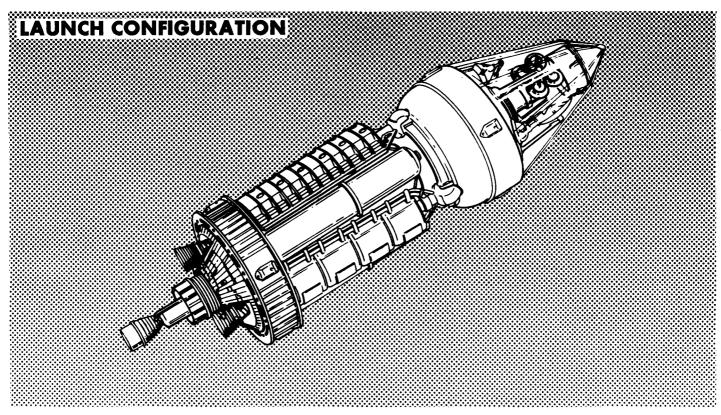






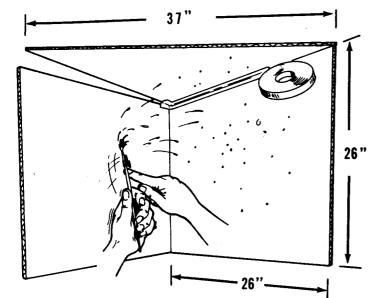


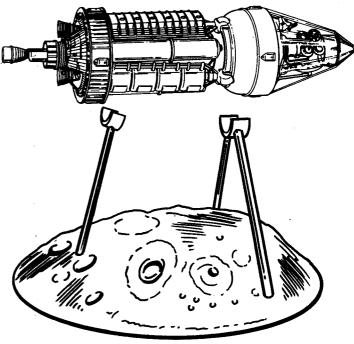




DISPLAY STAND

Assemble legs to display base, after cement is dry, place (do not cement) space craft onto cradles.





Entire kit shown in display

IN-ORBIT DISPLAY



Make your own in-orbit display. Cut two pieces of cardboard square in desired size. (Sizes shown may be used as a guide). Cut another piece triangular for the enclosure, tape seams with masking tape (inside and outside) for strength.

Spray entire unit Flat Black — After black has dried, spatter white paint to simulate the solar system.

Using fine black thread, suspend space craft. (This display may be suspended from a corner of the ceiling).

