

1/8 scale all-plastic model kit • skill level **3** ages 15 and up

2001: a space odyssey™

EVA pod extravehicular activity pod



part no. 2001-4

● important - read this first

Before assembling the model, study pictures carefully. These instructions include detailed drawings and images of an actual build-up for reference. You can also refer to photos on the packaging. In addition, note the following:

- This model kit is molded of styrene plastic - use only styrene-compatible glues or cements.
- Apply cement to inside surfaces of the model only; avoid getting cement on outer surfaces of model sections.
- Use cement sparingly and avoid getting cement on hands, so as not to mar or smear plastic surfaces.
- Do not hurry; work carefully and patiently.
- Before cementing, test fit parts dry (without cement) so that you may familiarize yourself with parts and fit, noting points where cement is to be applied.
- For best results assemble model in the order indicated.

● painting your kit

- Use paint that is made for use on plastic. If you are unsure, test paint on scrap pieces of the plastic sprue before applying it to kit parts.

- This model kit is designed to be built in sub-assemblies. It will be more convenient to paint each sub-assembly separately before final assembly of the kit.
- In certain cases it may be advantageous to paint some individual parts during assembly, such as those for the manipulator arms, before cementing parts together.

● decal application

Apply decals only after paint is completely dry. Decals are fragile - handle carefully.

- Dip decal in water for 10 seconds. For best results, mix one drop of dishwashing detergent per cup of lukewarm water.
- Place the wet decal face up on a paper towel and wait 30-60 seconds until decal is movable on paper backing.
- Wet the area of the model where decal will be applied. This will allow you to gently slide the decal into position.
- Hold the decal face up, in position on model and slide backing away from under it.
- Once positioned correctly, gently smooth out the decal and absorb excess water with a paper towel, cotton swab or clean, soft paintbrush.
- Let decals dry completely before applying any sort of dull coat or gloss coat to decal area, if desired.

1 manipulator arms

! Choose **Open** or **Closed Manipulator Hands** before assembling. You can make all four hands alike or use a mix of open and closed hands.

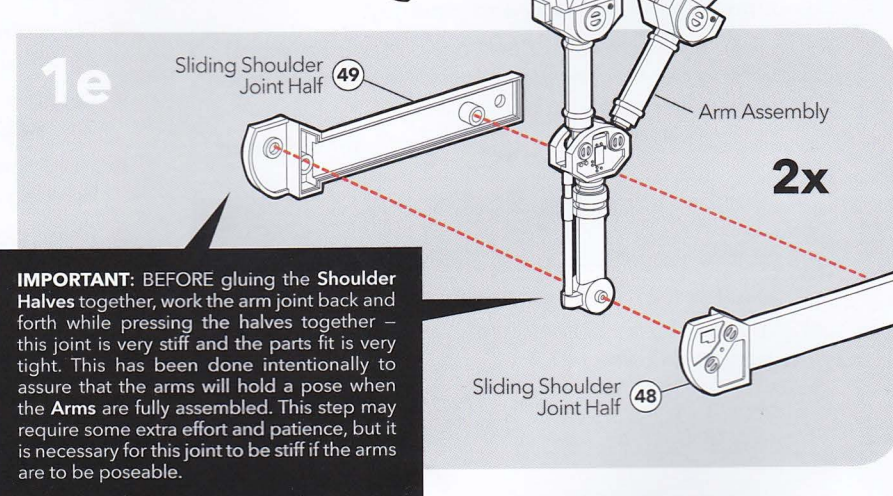
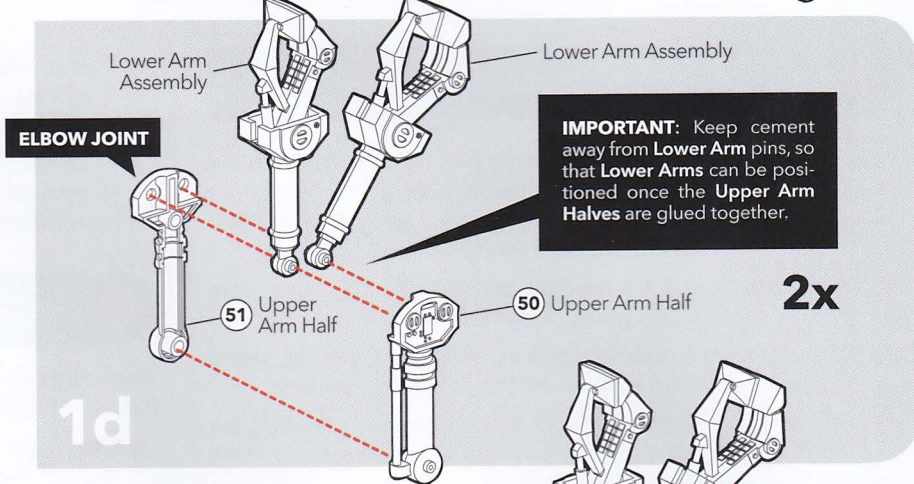
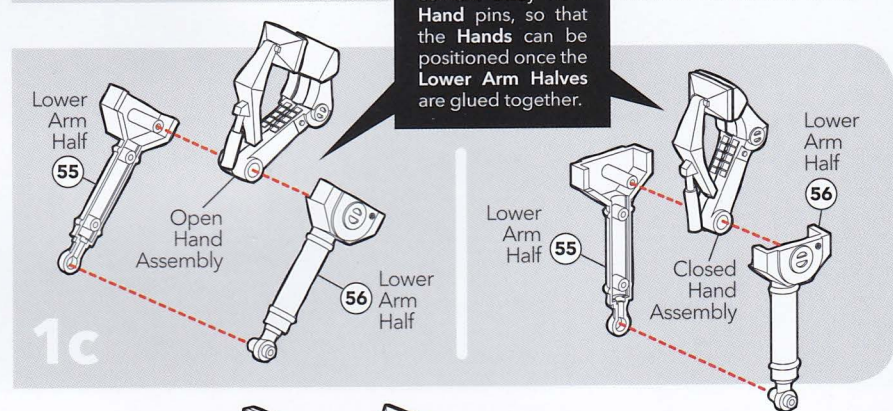
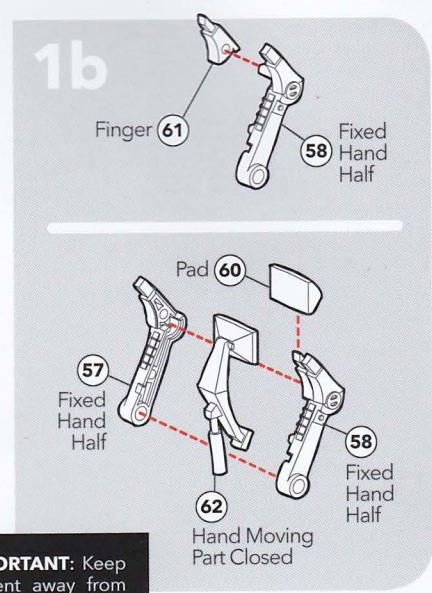
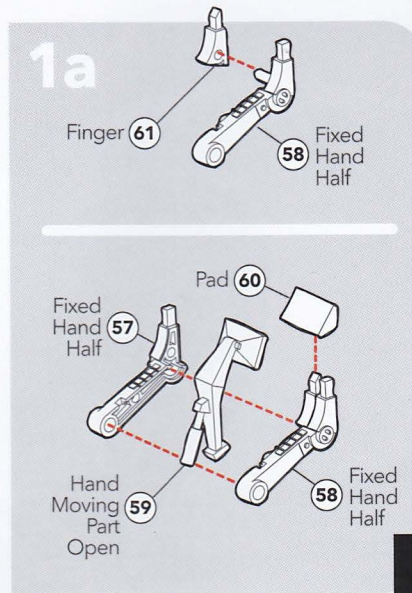
a OPEN HANDS
Choose parts #57, #58, #59, #60 and #61. Slip **Finger** (#61) onto the pin of **Fixed Hand Half** (#58). Place **Hand Moving Part Open** (#59) in slot on the **Fixed Hand Half** (#58), then cement the other **Fixed Hand Half** (#57) in place. Complete the assembly by cementing the **Pad** (#60) in place.

b CLOSED HANDS
Choose parts #57, #58, #60, #61 and #62. Slip **Finger** (#61) onto the pin of **Fixed Hand Half** (#58). Place **Hand Moving Part Closed** (#62) in slot on **Fixed Hand Half** (#58), then cement the other **Fixed Hand Half** (#57) in place. Complete the assembly by cementing the **Pad** (#60) in place.

c Slide **Hand Assembly** onto pin in the wrist of the **Lower Arm Half** (#55), then cement the other **Lower Arm Half** (#56) in place, taking care to keep cement out of hand/wrist joint. Repeat these steps three more times to assemble four **Lower Arms**.

d Place locator pins of the two **Lower Arm Assemblies** in holes located in the **Elbow Joint** of **Upper Arm Half** (#50). Cement the other **Upper Arm Half** (#51) in place, trapping the two **Lower Arm Assemblies** in position; take care to keep cement out of the **Elbow Joint**. Repeat these steps to complete the second **Arm Assembly**.

e Before cementing, place locator pins of the two **Arm Assemblies** in holes located in the **Sliding Shoulder Joint Half** (#49). Press (do not cement at this time) the other **Sliding Shoulder Joint Half** (#48) in place, and work the arm assembly back and forth until you achieve a good friction fit – joint should be stiff. Once you have been able to press fit parts for a satisfactory joint between the **Sliding Shoulder Joint Halves**, cement the **Sliding Shoulder Joint Halves** together, making sure that there is no cement in the **Shoulder Joint**. Repeat these steps to complete a second **Arm Assembly**.



! note - interior decals

It is important to note that you will wish to paint and decal the interior panels BEFORE fully cementing the interior together. See **page 11** for placement of interior decals.

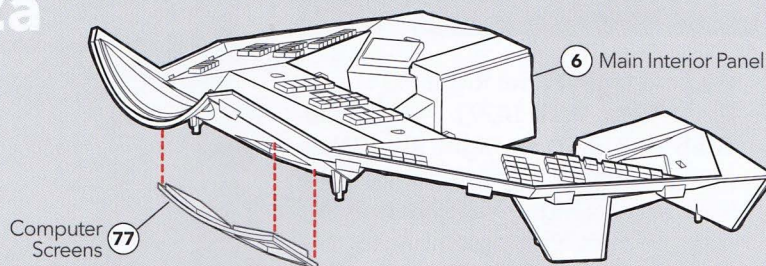
An extensive set of highly detailed decals is included in order to accurately represent the interior of the **EVA Pod**. Full-panel decals recreate the lined markings around the buttons and switches on control panels.

Decals are fragile – handle them with patience and take care to properly position the decals around the raised buttons and switches on the control panels. The large panel decals can be especially tricky to manipulate – make sure the part to which you are applying the decal is thoroughly wet; this allows the decal to slide around on the surface of the part for positioning. Once you are satisfied with the decal's placement, very gently dab excess water off the surface of the decal using a thin soft cloth, tissue or cotton swab, being careful not to accidentally drag or move the decal while doing so.

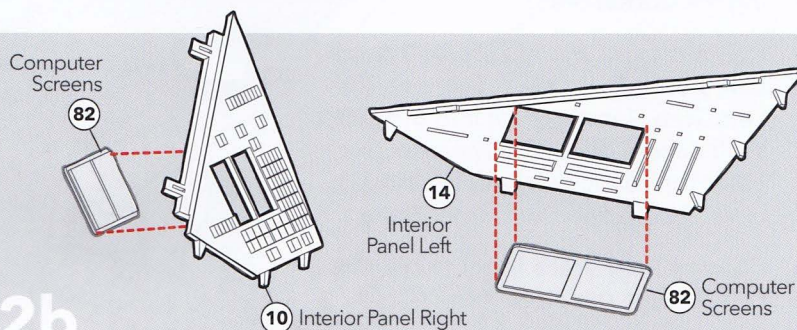
2 main lower interior

- a** Cement **Computer Screens** (#77) to **Main Interior Panel** (#6).
- b** Cement two sets of the **Computer Screens** (#82) to **Interior Panels Left** (#14) and **Right** (#10). Set these two assemblies aside for now.
- c** Cement **Manipulator Arm Controllers Left** (#44) and **Right** (#45) and **Small Panel** (#39) to the bottom of **Main Interior Panel** (#6). Cement **Pod Maneuvering Controllers Left** (#29) and **Right** (#28) to top of **Main Interior Panel** (#6). [Be certain to paint and decal the **Main Interior Panel** (#6) BEFORE cementing the **Pod Maneuvering Controllers Left** (#29) and **Right** (#28).]
- d** Cement the **Main Interior Panel** (#6) to the **Floor** (#5).

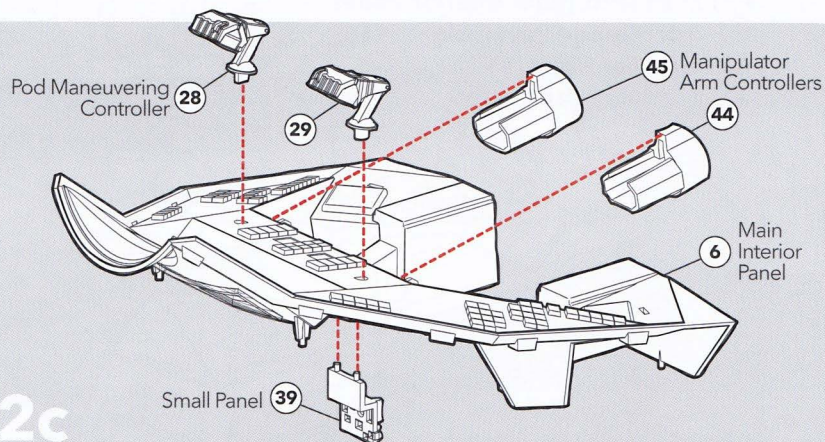
2a



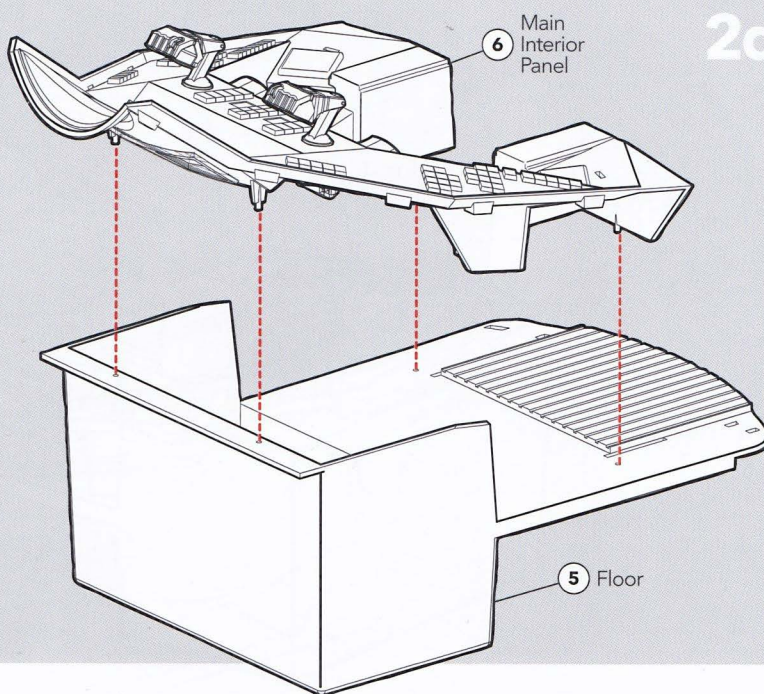
2b



2c

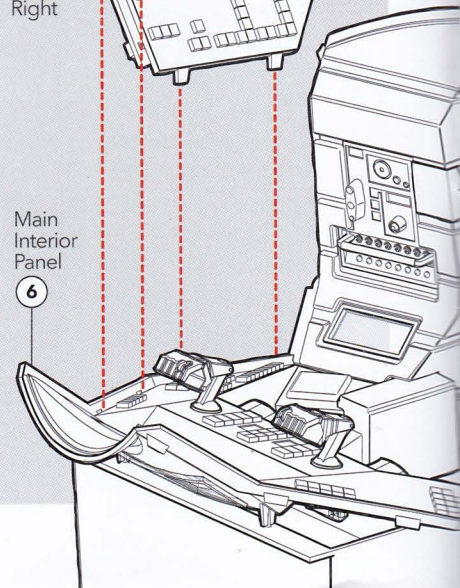
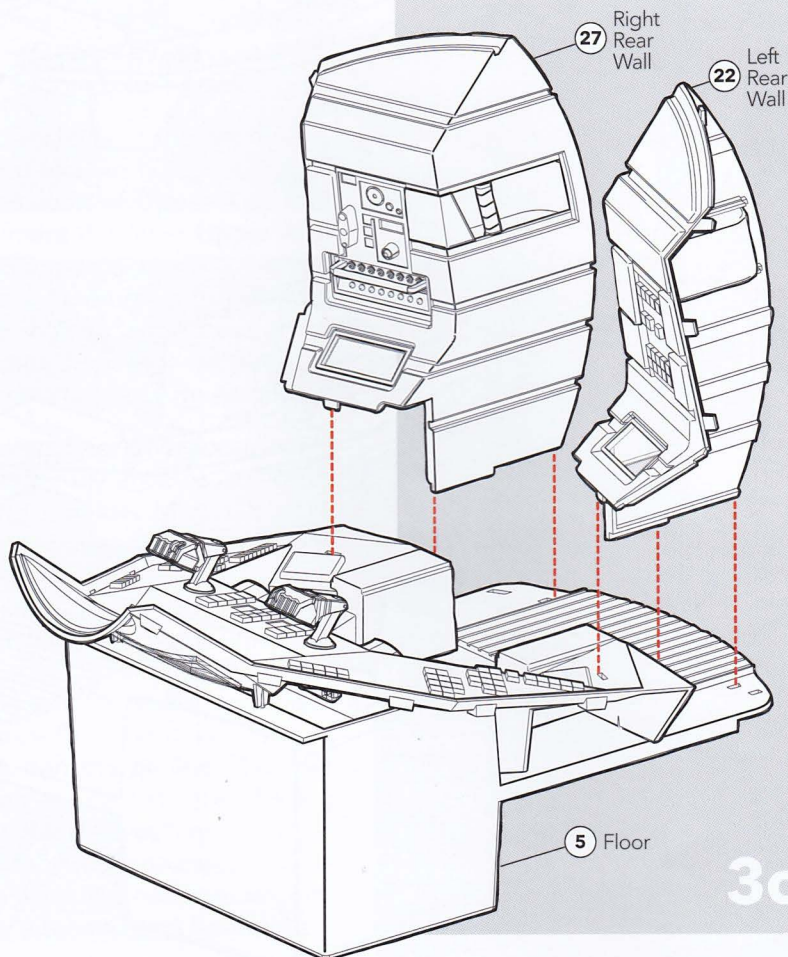
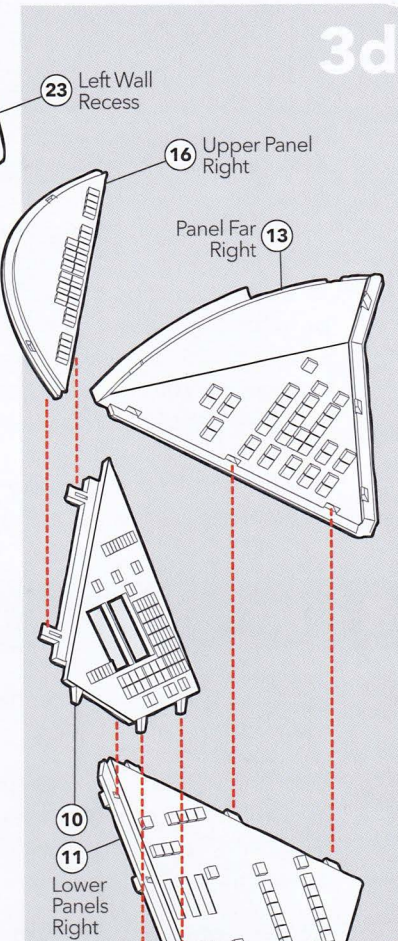
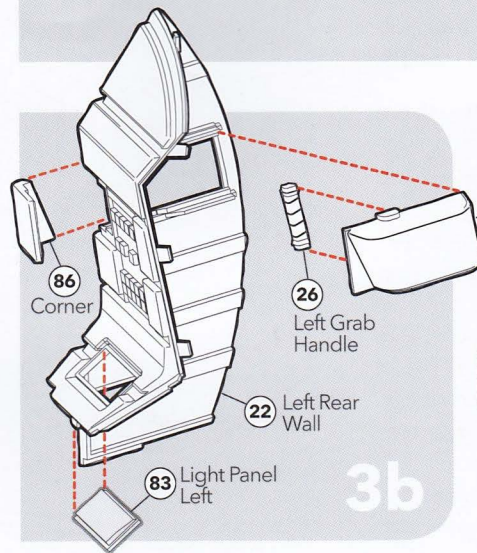
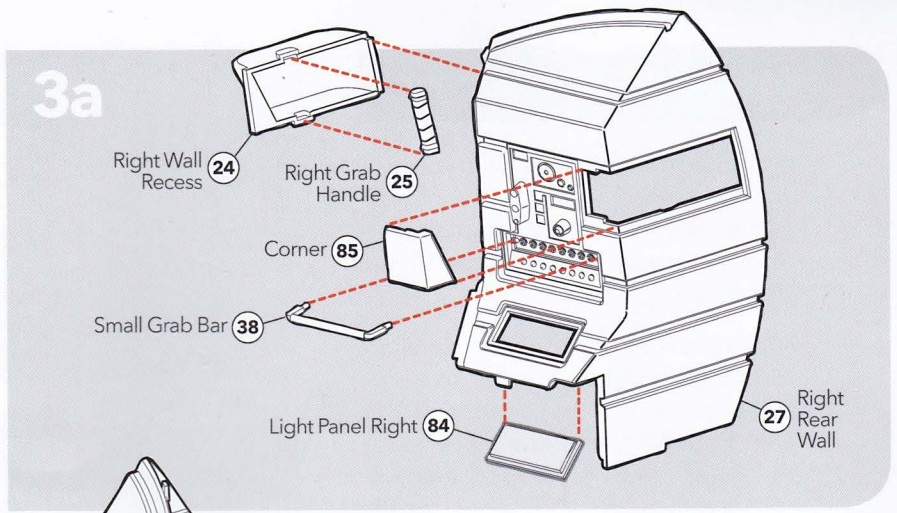


2d



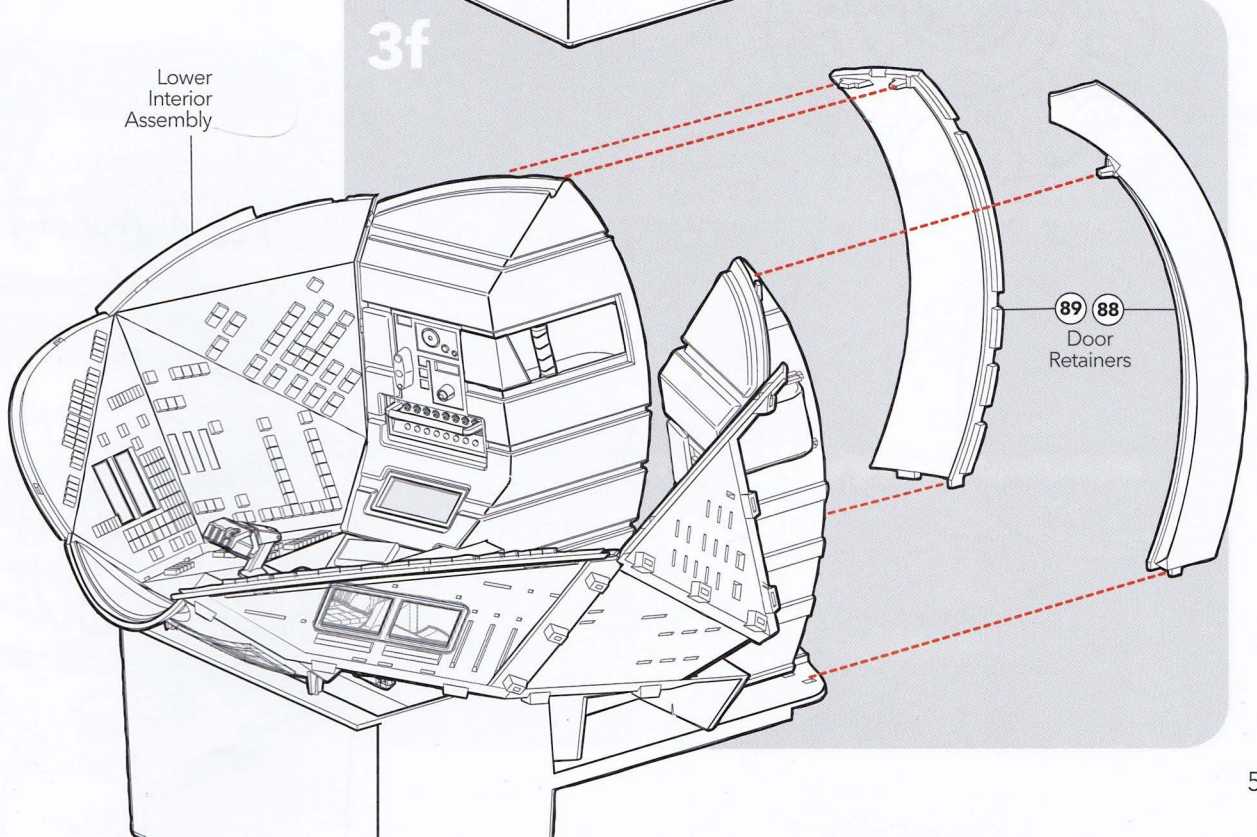
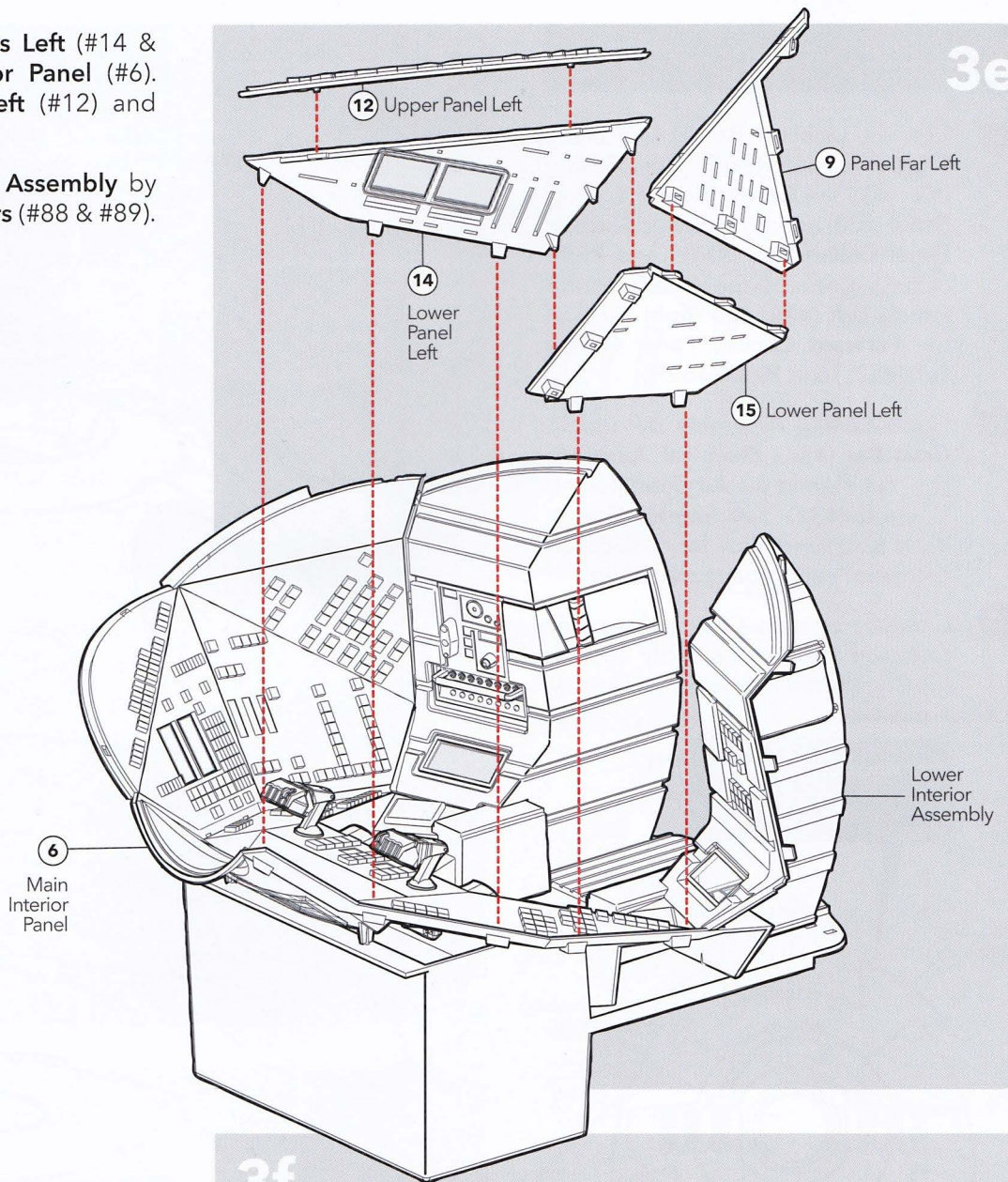
3 rear interior & panels

- a** Cement **Light Panel Right** (#84) into **Right Rear Wall** (#27). Add **Small Grab Bar** (#38) to **Right Rear Wall** (#27). Cement **Right Grab Handle** (#25) into the **Right Wall Recess** (#24), then cement that assembly to the **Right Rear Wall** (#27). Finish by adding the **Corner** (#85).
- b** Cement **Light Panel Left** (#83) into **Left Rear Wall** (#22). Cement the **Left Grab Handle** (#26) into the **Left Wall Recess** (#23), then cement that assembly to the **Left Rear Wall** (#22). Finish by adding the **Corner** (#86).
- c** Cement **Rear Walls Right** (#27) and **Left** (#22) to the **Floor** (#5).
- d** Then cement **Lower Panels Right** (#10 & #11) to **Main Interior Panel** (#6). Add **Upper Panel Right** (#16) and **Panel Far Right** (#13).



e Cement **Lower Panels Left** (#14 & #15) to **Main Interior Panel** (#6). Add **Upper Panel Left** (#12) and **Panel Far Left** (#9).

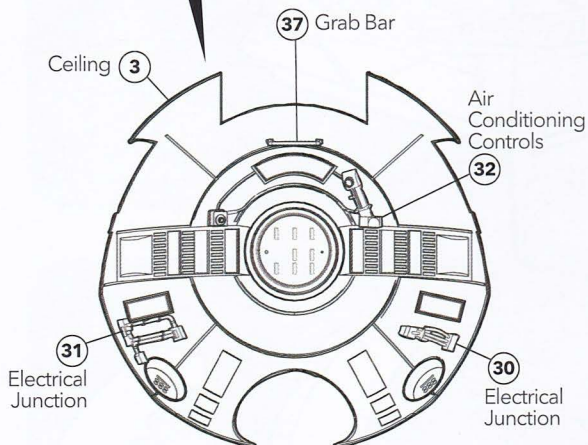
f Finish **Lower Interior Assembly** by adding **Door Retainers** (#88 & #89).



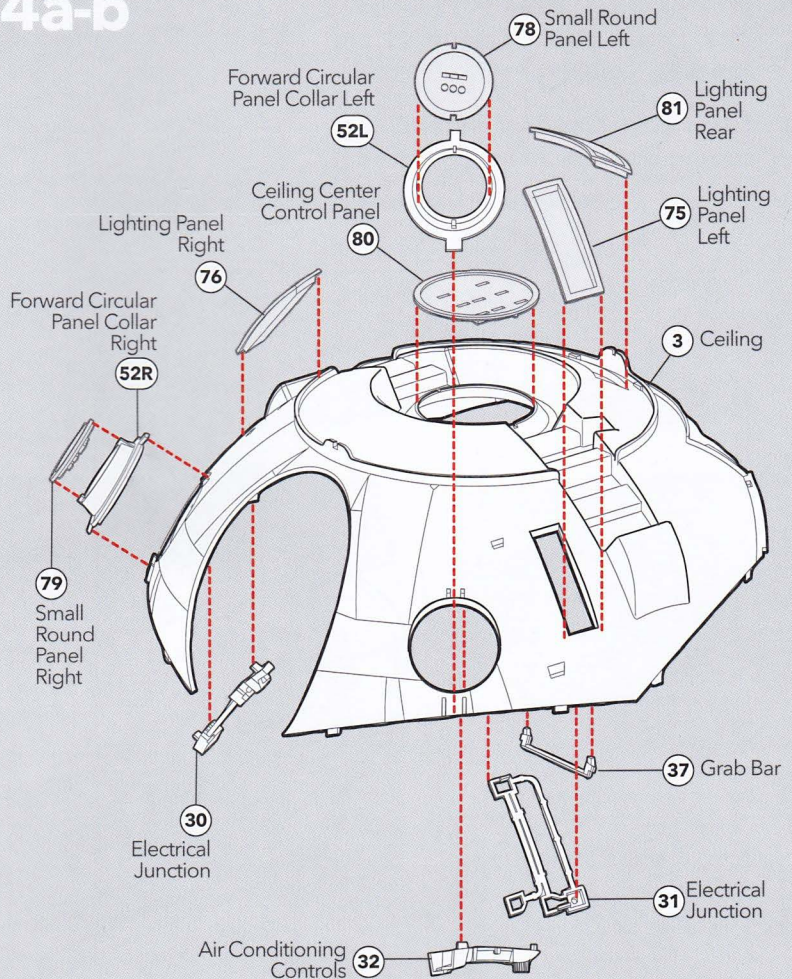
4 upper interior

- a** Cement **Lighting Panels Left** (#75), **Right** (#76) and **Rear** (#81) to **Ceiling** (#3). Add the **Ceiling Center Control Panel** (#80) and the **Forward Circular Panel Collars Left** (#52L) and **Right** (#52R). Cement the **Small Round Panels Left** (#78) and **Right** (#79) to the **Forward Circular Panel Collars Left** (#52L) and **Right** (#52R).
- b** Finish **Ceiling Assembly** by adding **Grab Bar** (#37), **Electrical Junctions** (#30 & #31) and the **Air Conditioning Controls** (#32). See **Interior Ceiling View** diagram below for clarification of interior ceiling parts placement.
- c** Carefully cement **Ceiling Assembly** to **Lower Interior Assembly** and set the **Completed Interior** aside for now.

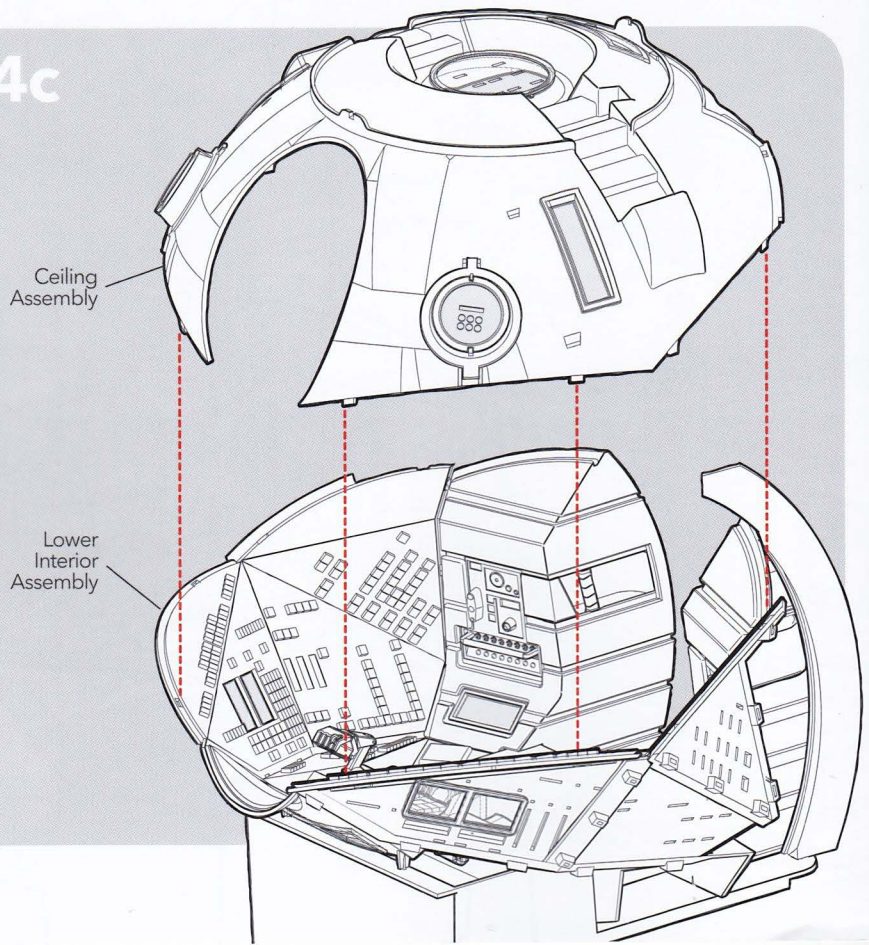
INTERIOR CEILING VIEW:
Note placement of interior ceiling parts.



4a-b



4c



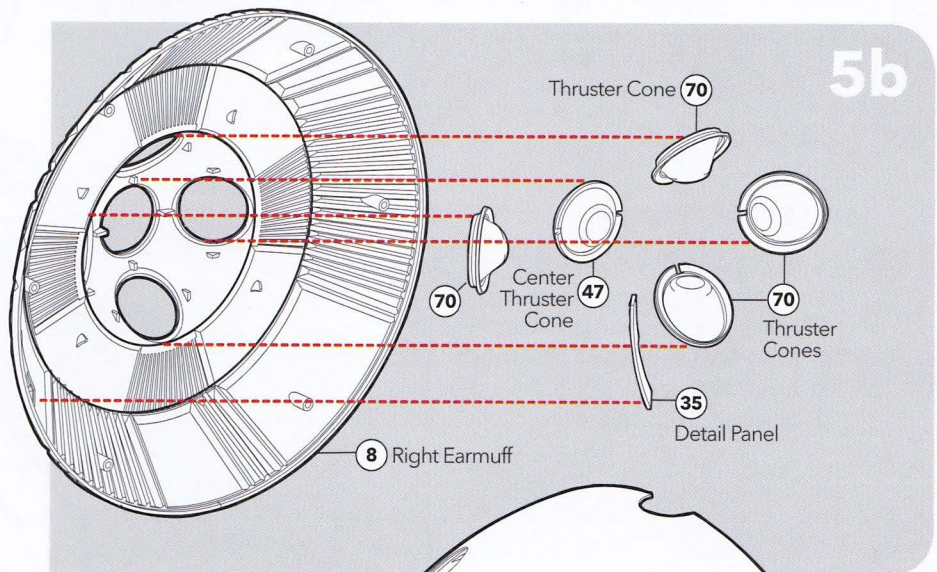
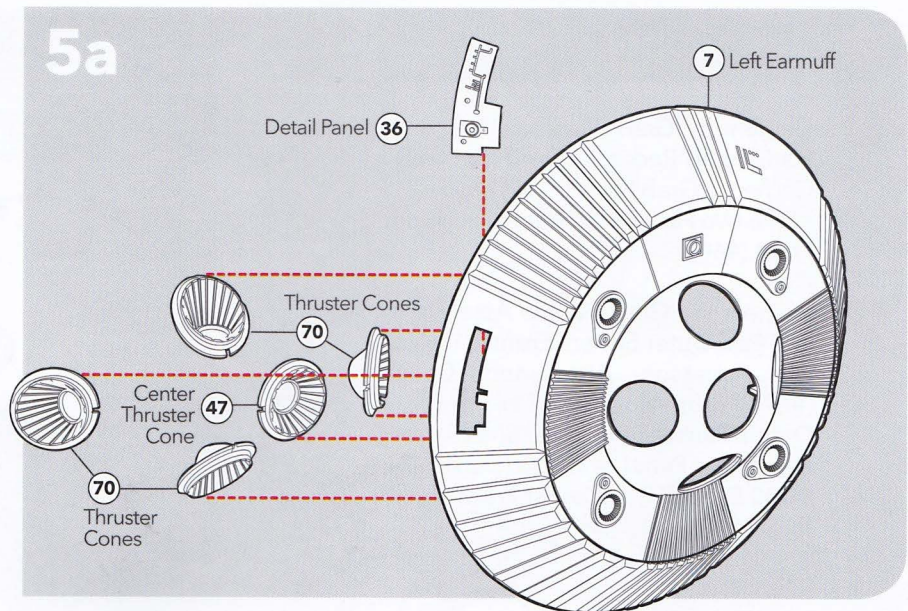
5 earmuffs

! NOTE: The **Left Earmuff** (#7) is on left side of pod as viewed from the pilot's perspective. If you've removed the **Left Earmuff** (#7) from the sprue, we'd suggest that you mark the part as "#7" or "Left" for future reference.

a Cement the **Detail Panel** (#36), the four **Thruster Cones** (#70) and the **Center Thruster Cone** (#47) to the **Left Earmuff** (#7).

! NOTE: The **Right Earmuff** (#8) is on right side of pod as viewed from the pilot's perspective. If you've removed the **Right Earmuff** (#8) from the sprue, we'd suggest that you mark the part as "#8" or "Right" for future reference.

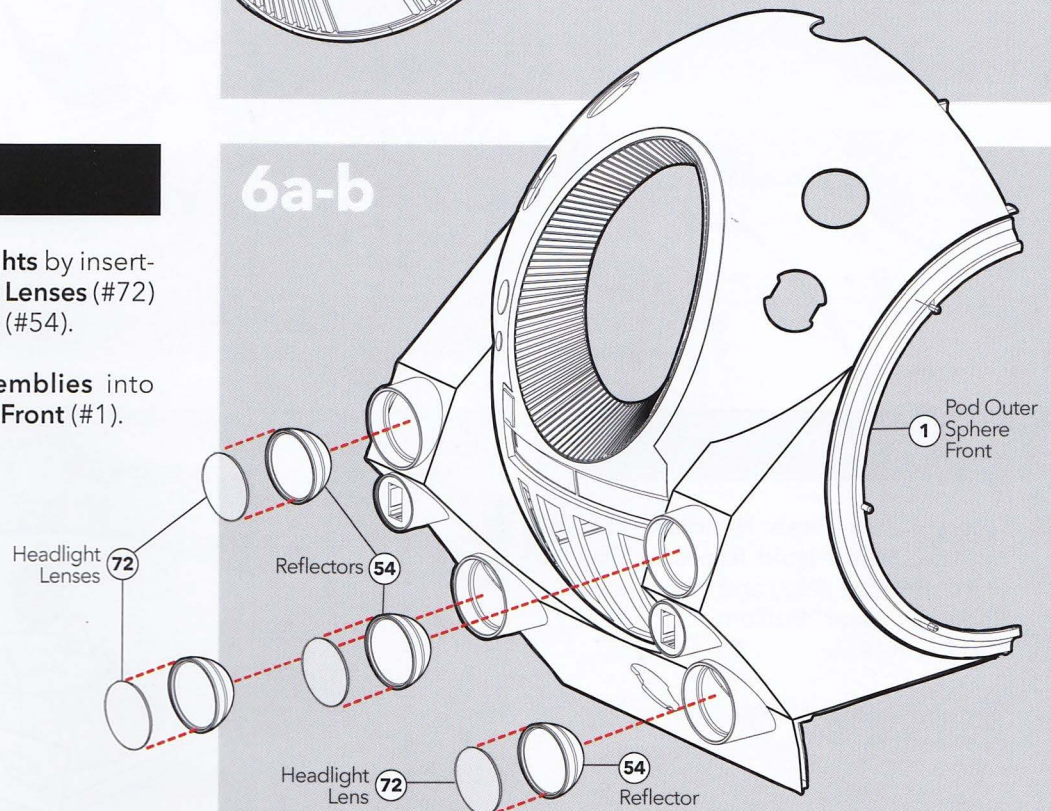
b Cement the **Detail Panel** (#35), the four **Thruster Cones** (#70) and the **Center Thruster Cone** (#47) to the **Right Earmuff** (#8).



6 headlights

a Assemble four **Headlights** by inserting the clear **Headlight Lenses** (#72) into chrome **Reflectors** (#54).

b Install **Headlight Assemblies** into the **Pod Outer Sphere Front** (#1).



7 outer sphere front

a Cement a **Grab Handle** (#69) into **Hand Hold Recess Lower Front** (#68). Cement a **Grab Handle** (#69) into each of the two **Hand Hold Recesses Upper Front** (#64).

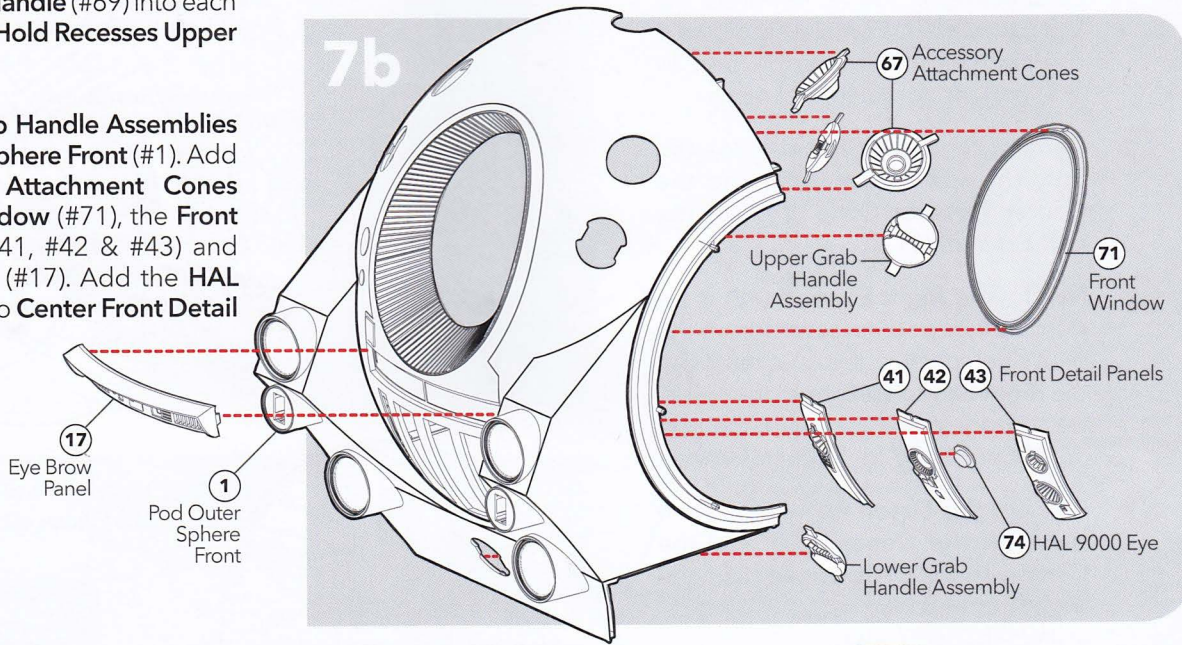
b Cement the **Grab Handle Assemblies** into **Pod Outer Sphere Front** (#1). Add two **Accessory Attachment Cones** (#67), **Front Window** (#71), the **Front Detail Panels** (#41, #42 & #43) and **Eye Brow Panel** (#17). Add the **HAL 9000 Eye** (#74) to **Center Front Detail Panel** (#42).

Eye Brow Panel
17
Pod Outer Sphere Front
1

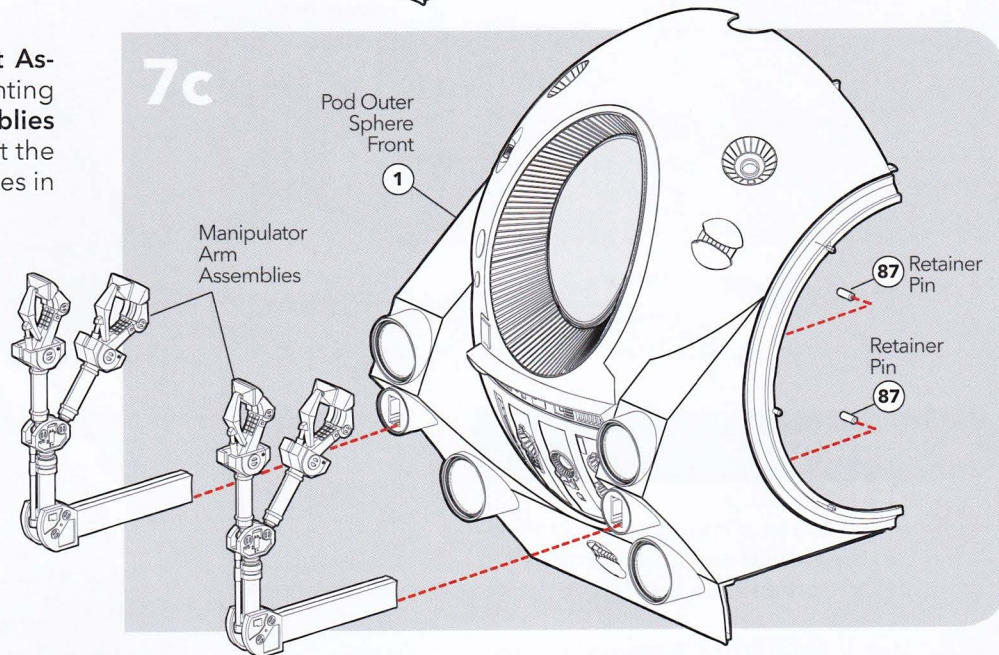
7a



7b



c Finish the **Outer Sphere Front Assembly** by sliding – not cementing – the **Manipulator Arm Assemblies** into the **Pod Front** (#1). Cement the **Retainer Pins** (#87) into the holes in the **Sliding Shoulders**.

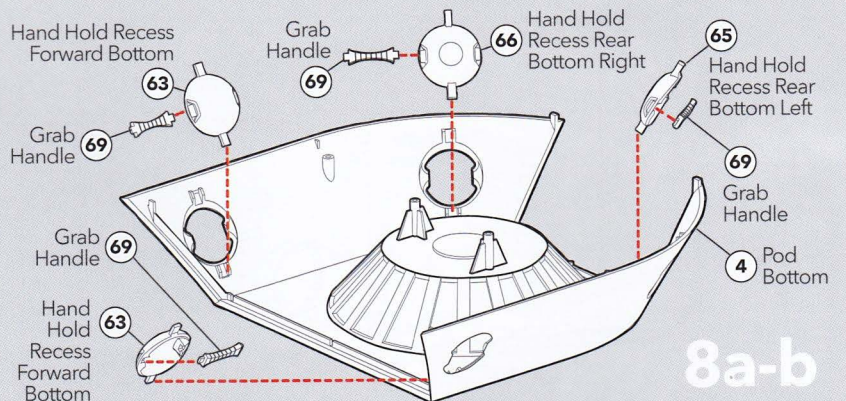


7c

8 pod bottom

a Cement four **Grab Handles** (#69) into two **Hand Hold Recesses Forward Bottom** (#63) and **Hand Hold Recesses Rear Bottom Left** (#65) and **Right** (#66).

b Cement the **Recess Assemblies** into **Pod Bottom** (#4).

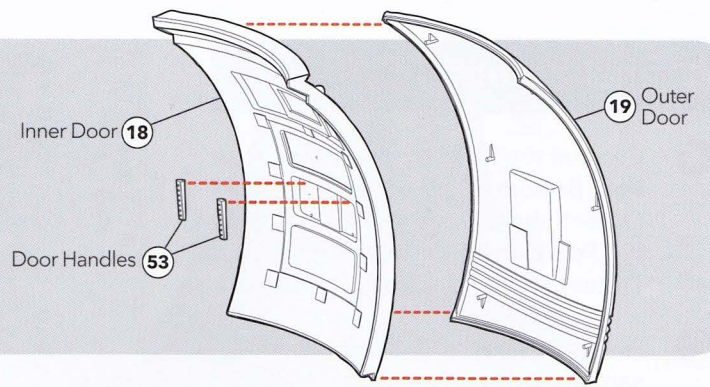


8a-b

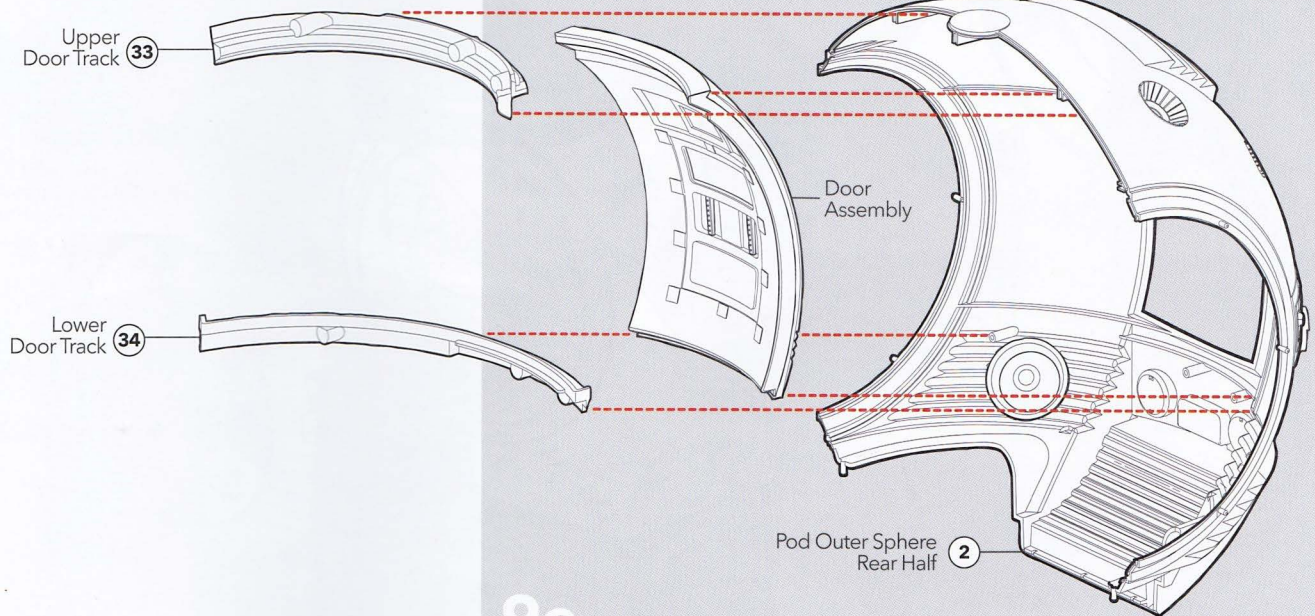
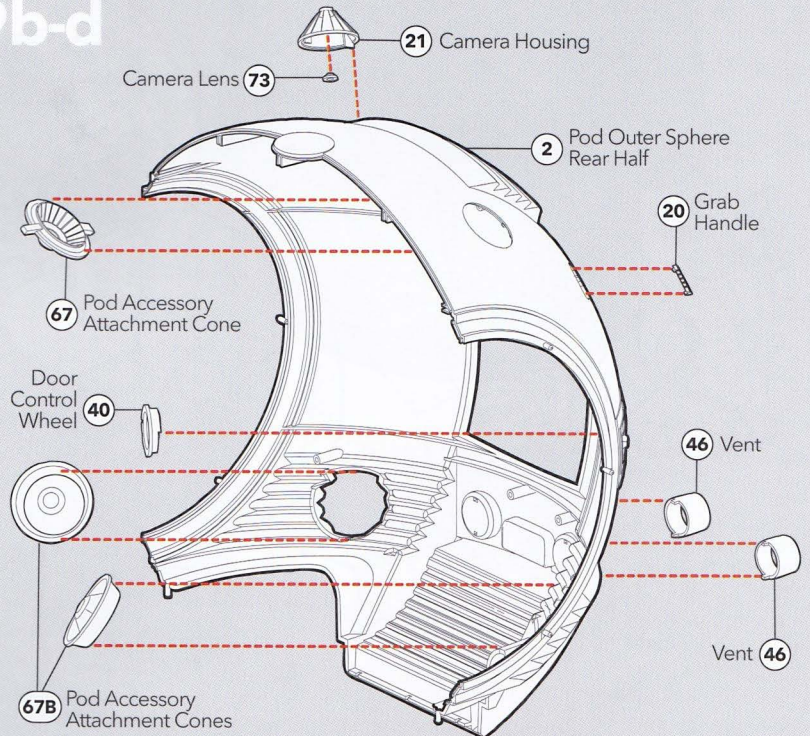
9 pod door and back

- a** Cement the **Inner Door** (#18) and **Outer Door** (#19) parts together. Add two **Door Handles** (#53) to the **Inner Door** (#18).
- b** Carefully cement **Camera Lens** (#73) into the **Camera Housing** (#21) and attach that assembly to **Pod Outer Sphere Rear Half** (#2).
- c** Cement the **Grab Handle** (#20) into recess to the left of door opening on the **Pod Outer Sphere Rear Half** (#2). Cement **Pod Accessory Attachment Cone** (#67) and two **Accessory Attachment Cones** (#67B) to **Pod Outer Sphere Rear Half** (#2).
- d** Cement **Door Control Wheel** (#40) and two **Vents** (#46) to the **Pod Outer Sphere Rear Half** (#2).
- e** Lay the **Door Assembly** into the **Pod Outer Sphere Rear Half** (#2) and secure it in place by cementing the **Upper Door Track** (#33) and **Lower Door Track** (#34) in place to the **Pod Outer Sphere Rear Half** (#2), being careful not to get cement on the door.

9a



9b-d

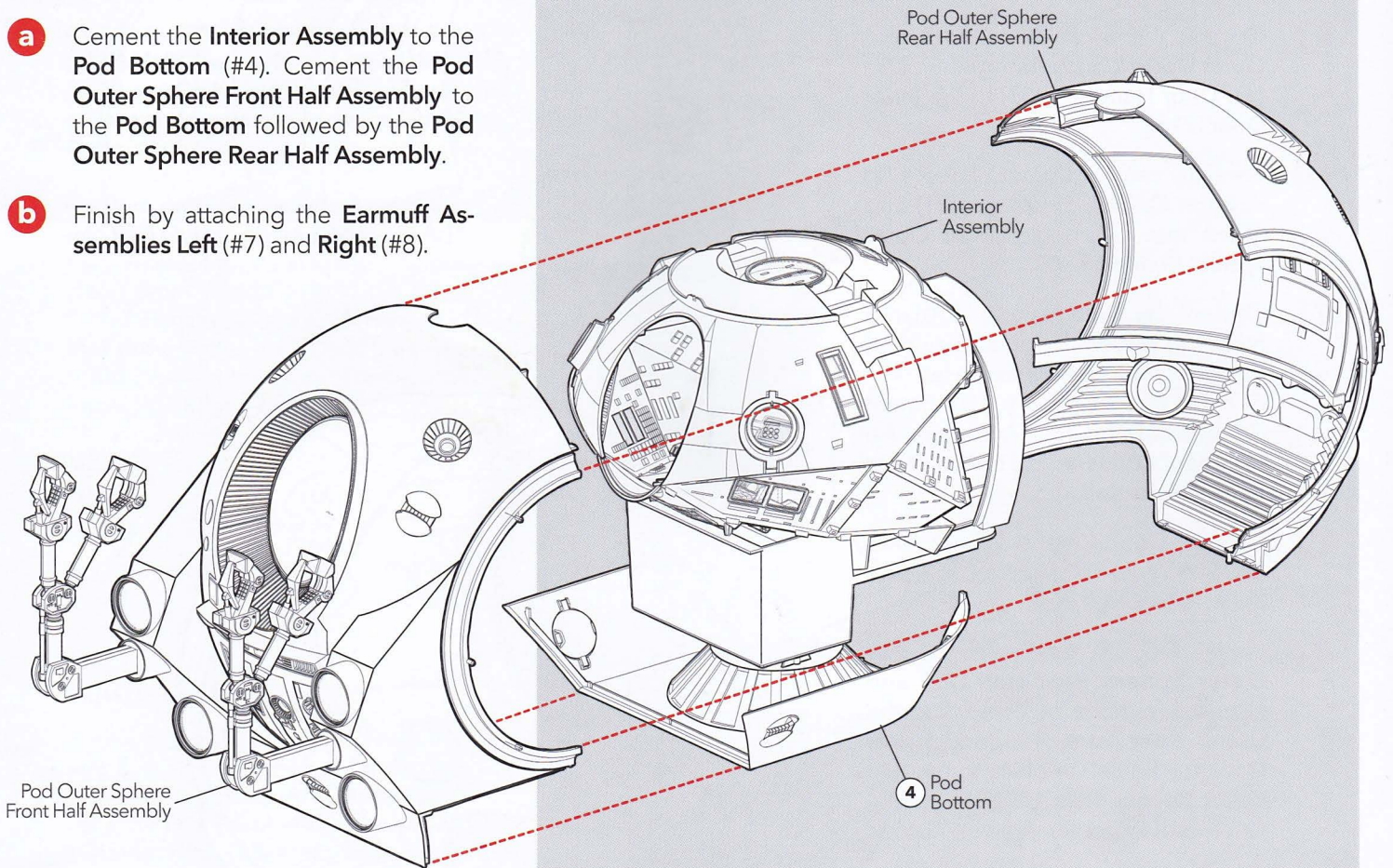


9e

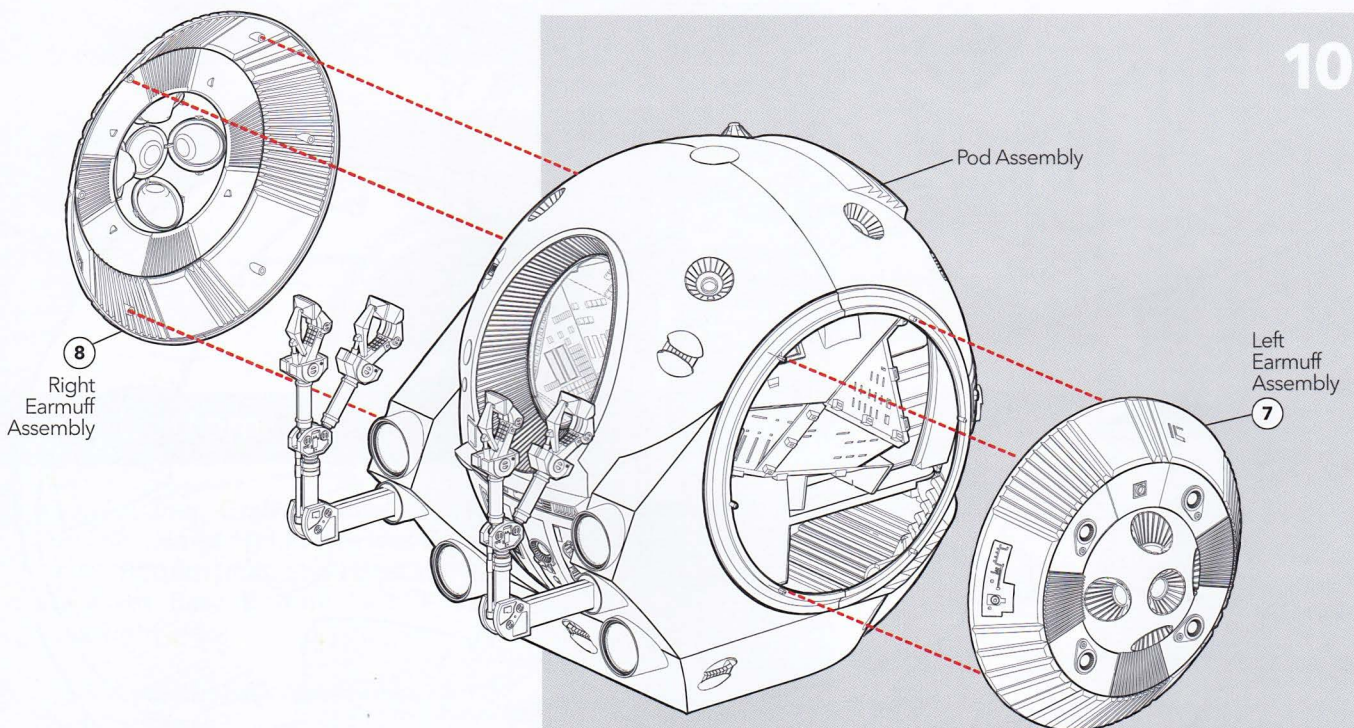
10 final assembly

- a** Cement the **Interior Assembly** to the **Pod Bottom** (#4). Cement the **Pod Outer Sphere Front Half Assembly** to the **Pod Bottom** followed by the **Pod Outer Sphere Rear Half Assembly**.
- b** Finish by attaching the **Earmuff Assemblies Left** (#7) and **Right** (#8).

10a



10b



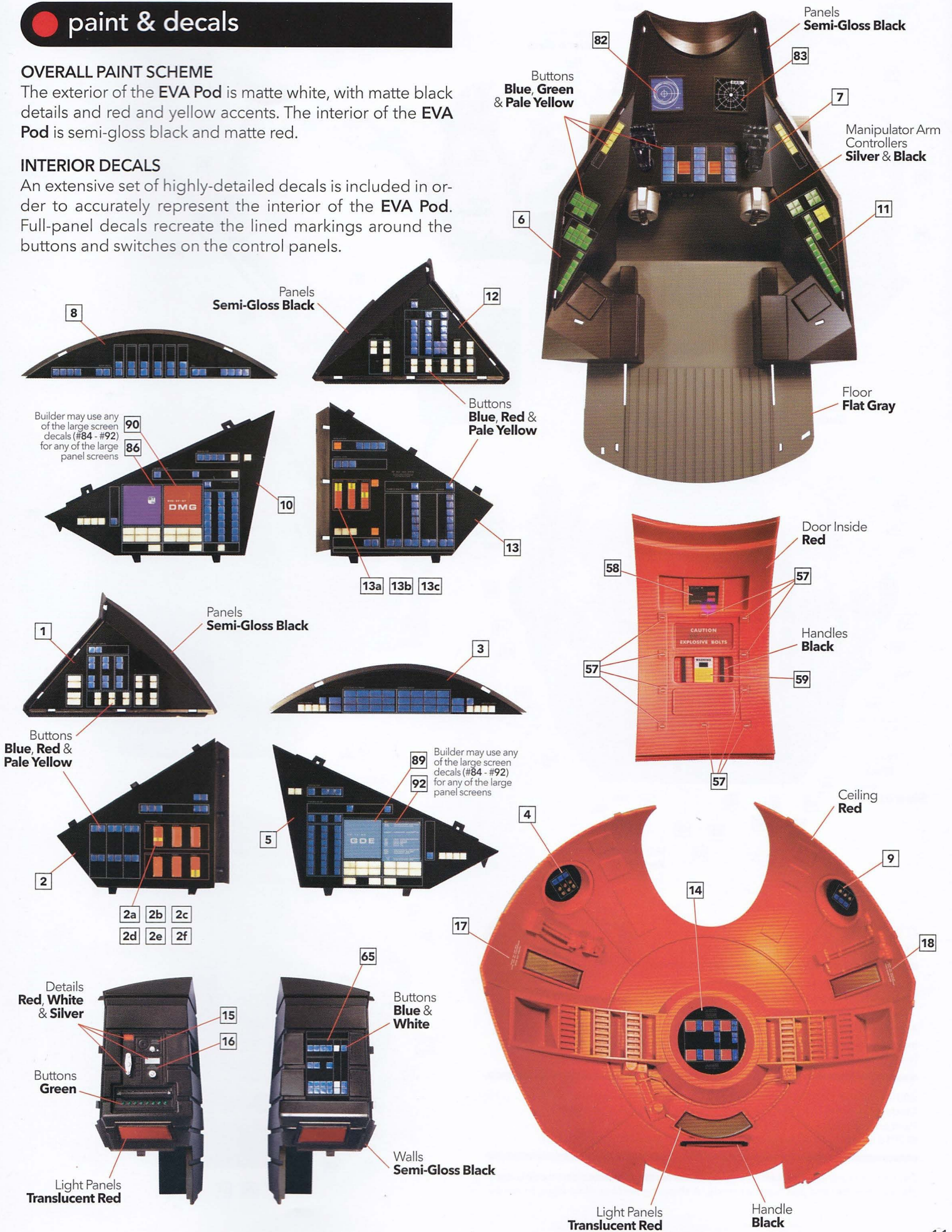
● paint & decals

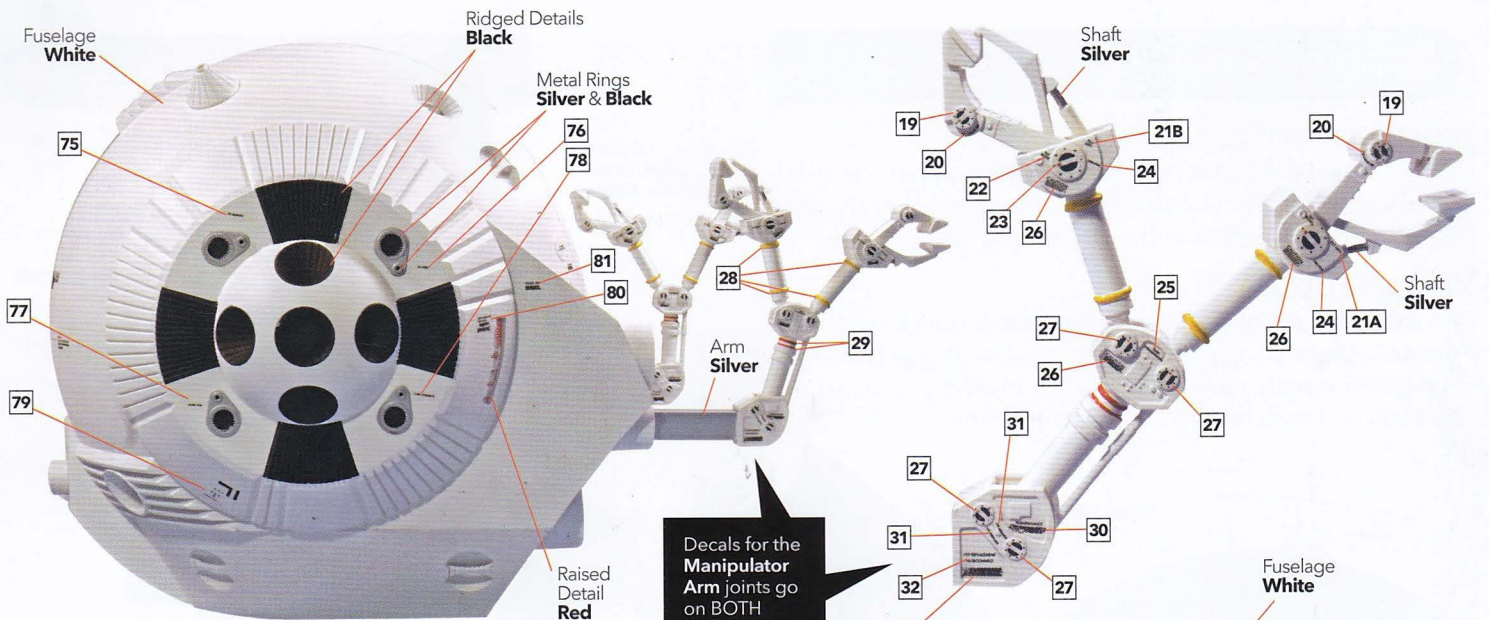
OVERALL PAINT SCHEME

The exterior of the EVA Pod is matte white, with matte black details and red and yellow accents. The interior of the EVA Pod is semi-gloss black and matte red.

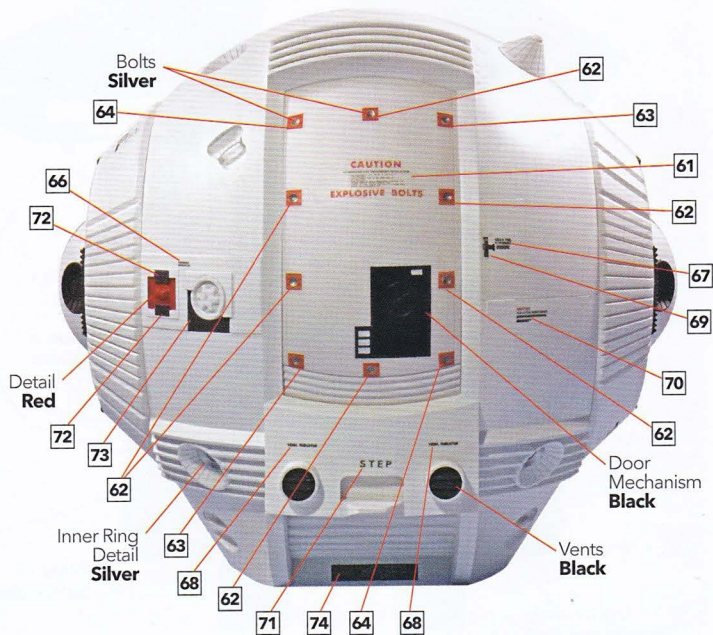
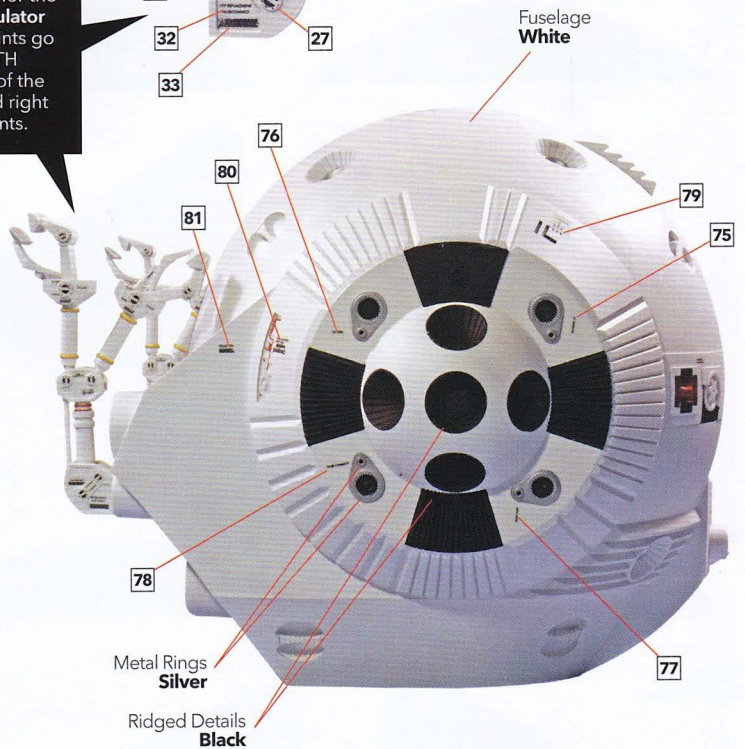
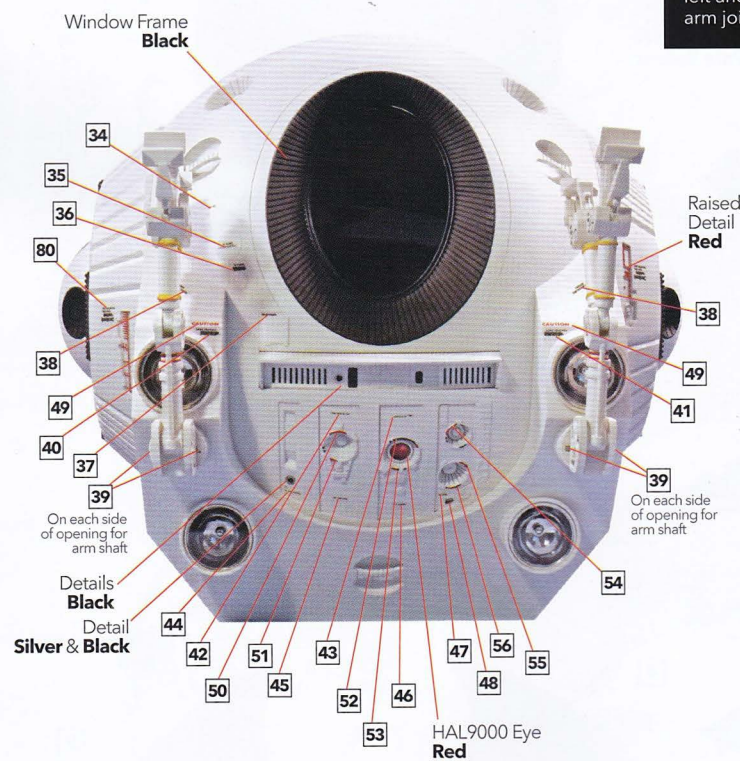
INTERIOR DECALS

An extensive set of highly-detailed decals is included in order to accurately represent the interior of the EVA Pod. Full-panel decals recreate the lined markings around the buttons and switches on the control panels.





Decals for the Manipulator Arm joints go on BOTH SIDES of the left and right arm joints.



moebiusmodels.com

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New Product Manager **Dave Metzner** • Art Director **Bob Plant**

A big thank you to consultant **Adam Johnson** for his invaluable assistance. Adam's extensive knowledge of the subject matter and attention to detail were crucial in helping us take this kit to the next level. Thanks, Adam!

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 Model shown was assembled and finished by a professional modeler.
 Paint and cement required to complete kit – sold separately
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For lost or missing parts, contact us at: customerservice@moebiusmodels.com
 Have kit number and part number ready. A shipping and handling fee is required.