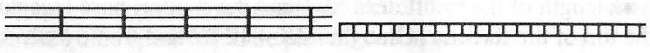
World War 2 Essex Class Carrier Set

757

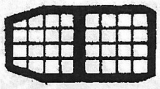
1/700 scale

Do not remove any parts from the tree until you are ready to add them to the model or assemble them. If you use an X-Acto blade or comparable to cut the parts off the sheet, it's best to have a hard surface underneath to prevent bending the parts. Cyanoacrylate glues (super glue) or "white" craft glue (such as Aileen's or Gator Glue) may be used to attach or assemble brass parts. Before assembly, wash the parts with a de-greasing soap to facilitate painting. When bending is required, we recommend the modeler use a bending tool such as Hold & Fold provided by The Small Shop or use a sharp-cornered straight-edge such as the X-Acto chisel style blades (#17, 18). Place a flat surface over the part to hold it in place and slip the blade under the part to be bent. This will ensure a good, clean bend. If bent incorrectly, simply turn the piece over and flatten the bend out (brass is very forgiving). Dowels or other forms can be used to mold curves. This set is designed for the Trumpeter and Dragon kits. Neither kit is exactly 1/700 in true scale and therefore some parts may need to be "worked with" to fit. Trumpeter part numbers will be in standard typeface, *Dragon part numbers will be italicized.* Each company has released several versions of the class and therefore corresponding kit part numbers may change from what is shown here. Radar and other electronics installations on this large class of ships varied widely both between individual ships and over time on any single ship. For accuracy, check the many Essex class references available for the exact electronics fit of the ship and time period you are choosing to model. This set provides the most common antennas and platforms used.

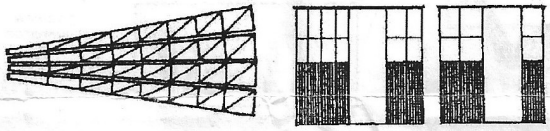
1. Rails and vertical ladders:  check references for locations

2. 20mm shields:  glue to part G1 *K25(shield only)*

3. 40mm quad mount shield:  mount to part G8 *K26, P3.* Tabs along the bottom of the shield are to be bent inward 90 degrees to assist in gluing the brass to the mount. It is easiest to start in the middle of the part and work your way around the sides and back.

4. Funnel grill:  add to part D13 *E7*

Plan view of funnel arrangement for CV 12, 14, 19. Check references for other ships



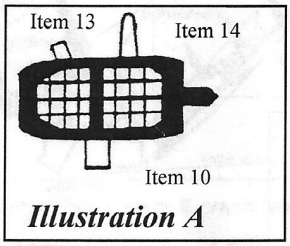
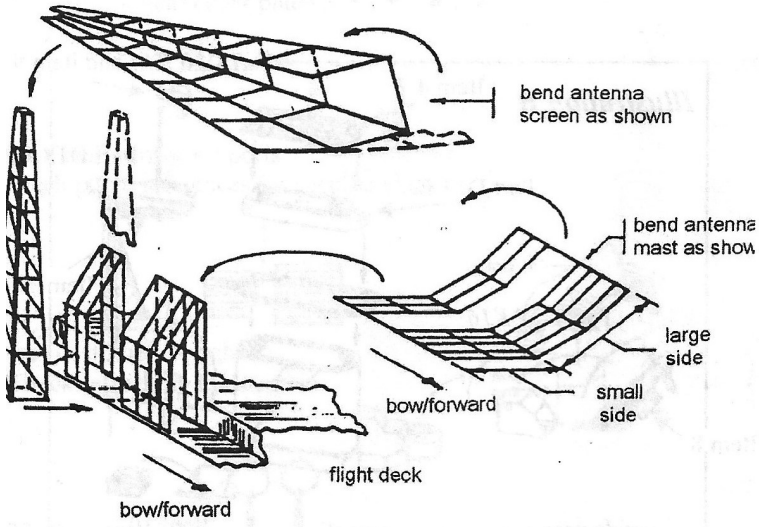
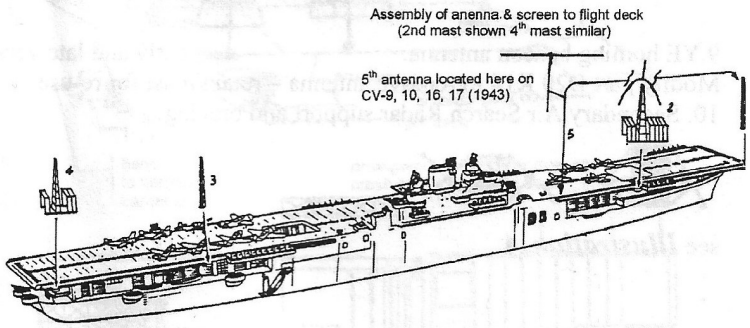
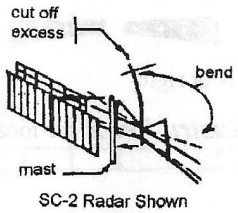


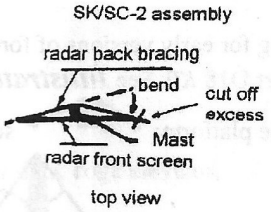
Illustration A

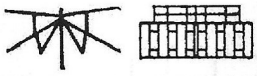
5. Deck side antenna masts and supports: Replaces parts G29/G18, *C10 D41*





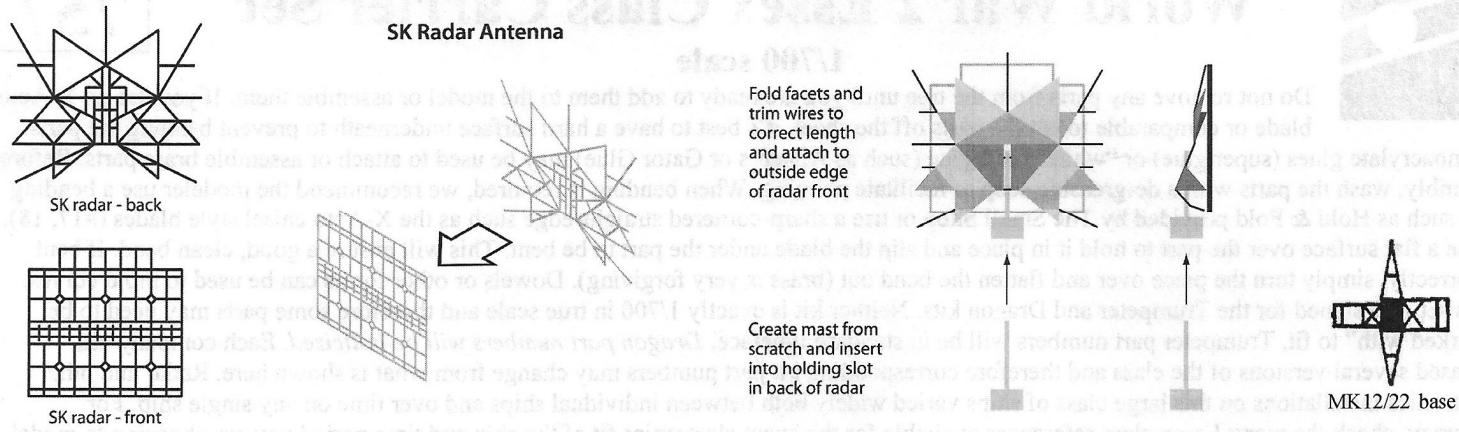




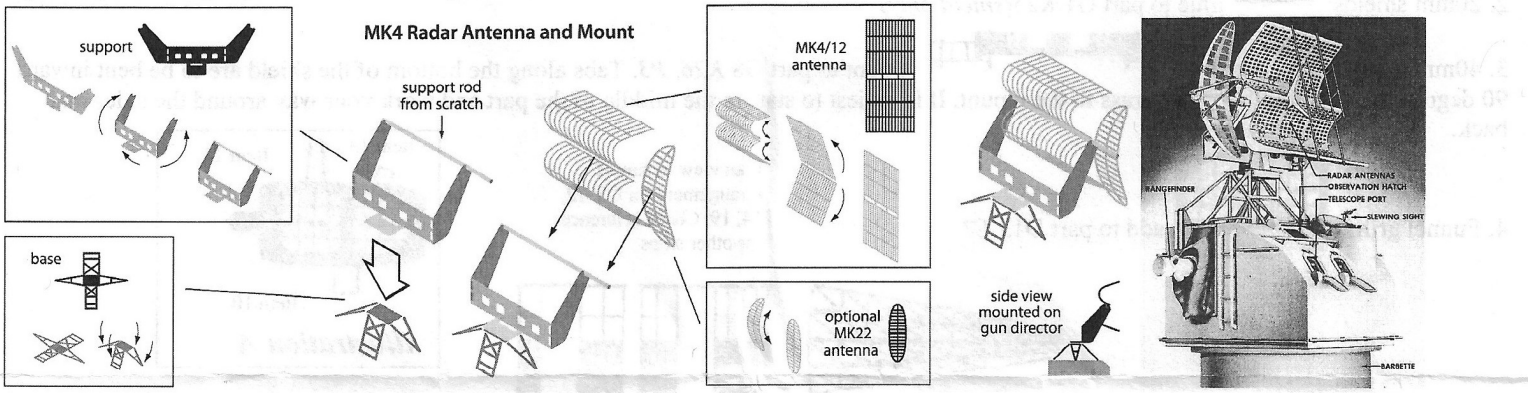
6. SC2 antenna and support:  replace D30 *K15*

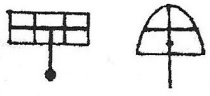
We invite you to visit our website at www.tomsmodelworks.com where we have hundreds of ship and aircraft related brass detail sets. If you have questions, please email us at tomsmodelworks@aol.com or mail to Toms Modelworks 8532 Lamar drive Huntington Beach, CA 92647

7. SK radar antenna: replace part E27 *K17*



8. MK12/22 radar antenna: Fold the MK 4/12 antenna in half then bend each half around a small, round object. Bend frame sides 90° and glue a rod (.01 inches, 2.54mm) across the front with extra length on the right side for the MK22 radar antenna if used. Glue the MK 4/12 antenna to the rod. Glue the MK 22 antenna to the extra length of the rod if desired. Bend the support base legs down less than 90°. They are not vertical but rather at a slight angle. Glue this to the top of the director. Glue the MK 4/12 22 and frame assembly to the top of the base. Replaces parts G19, 20, 21 and mounts to part G22.

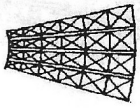




9.YE homing beacon antenna: early and late versions.
Modify part D20 K14 to remove antenna – retain mast for re-use

10. Secondary Air Search Radar support and bracing:

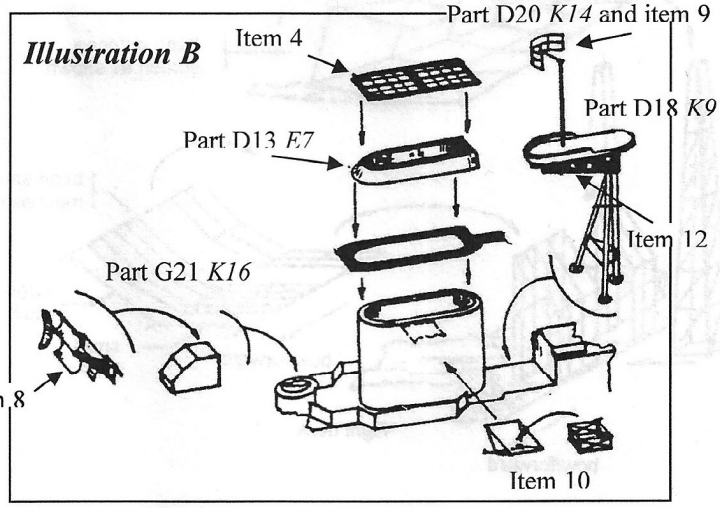
see ***Illustration A***



11. Secondary Air Search Radar mast: CV9, 10, 16

CV11 

12. Bracing for early versions of foretop: 
modify part D18 *K9.* See ***Illustration B*** at right



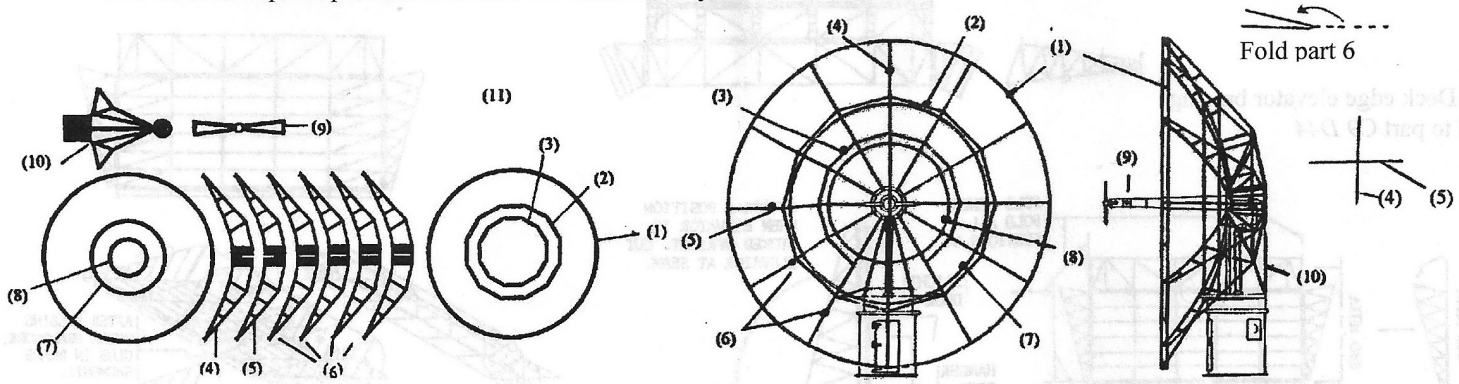
13. Whistle platform:  see ***Illustration A*** for location

14. IFF antenna platform:  see ***Illustration A*** for location

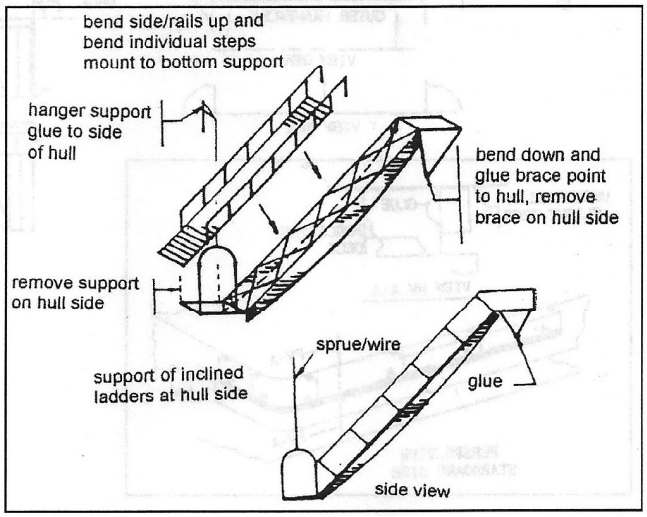
15. Alternate radar support: 

16. Late war platform brace for SK2 radar antenna when mounted on part D21: 

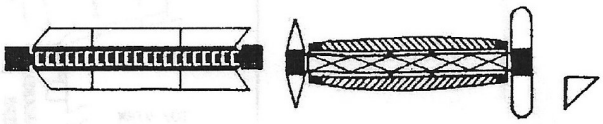
17. SK2 radar antenna: replace part D35 *K6.* Late war radar fit only. Check references.



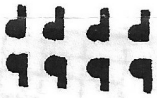
Two outer rings (part 1) are provided. Glue them together. Parts 2 and 3 will be glued to the back of the antenna assembly. The notches in these rings will help space the framing (parts 4,5, 6) properly and provide additional support. Parts 4 and 5 are the main horizontal and vertical supports. The small opening in the middle allows the parts to interlock. Four parts 6 are required. Bend them in half to form a "V" shape using the guide (part 11). One part 6 goes in each of the quadrants of the circle made by parts 4 and 5 and divides that quadrant into three equal parts. Parts 7 and 8 should be glued to the inside of the antenna. Part 9 should be folded with the two halves close but not together and glued to the center of the assembly. Fold the edges of part 10 inward to create a cradle to support for the completed antenna. Glue stand to a small piece of rod or plastic to complete stand.



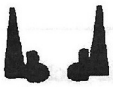
18. Boarding ladder:
see illustration at right



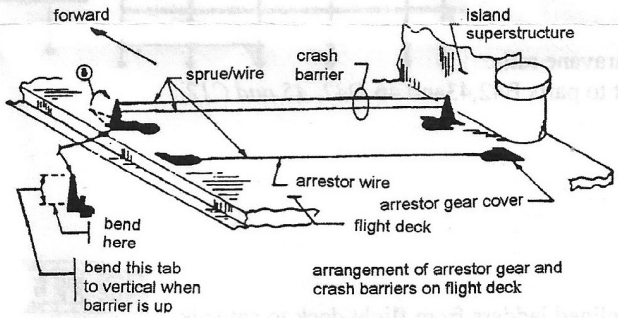
19. Arrestor gear cover plates:



20. Crash barrier supports:
check photo references for specific ships

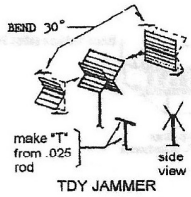


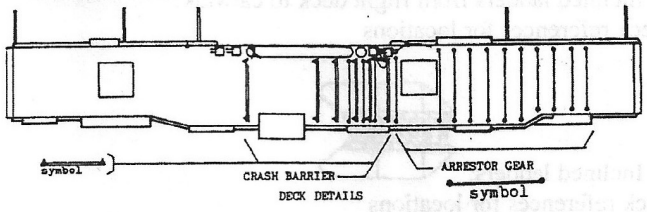
Adding arrestor gear covers & crash barriers



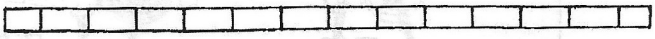
21. TDY jammer:

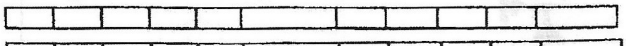
see illustration at right.
Check references for location





22. Direction finder:  locations varied between ships.
check references

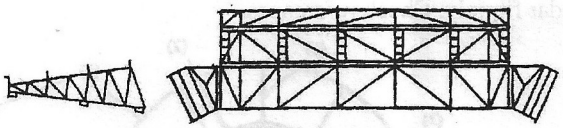
23. Flight deck elevator protection rails:  for deck edge elevator,

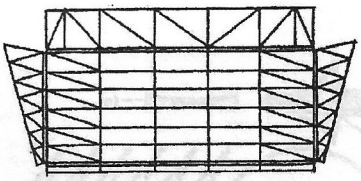


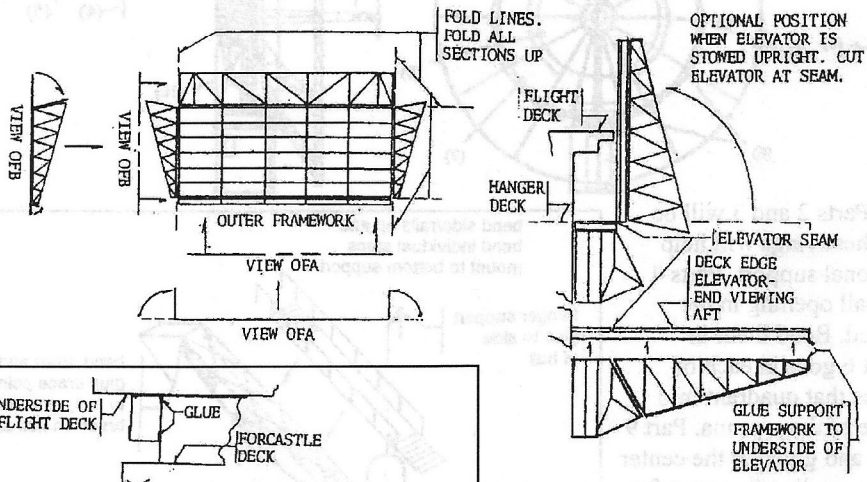
for centerline elevators. To be used only when elevators are in down position.

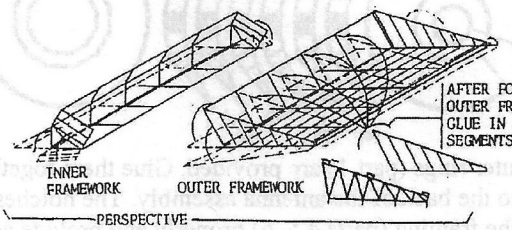
24. SR radar antenna:  check references for the specific ship being modeled

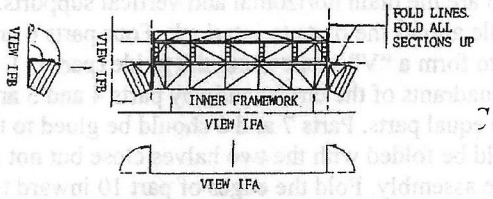
25. Deck edge elevator bracing:
add to part C9 *D44*

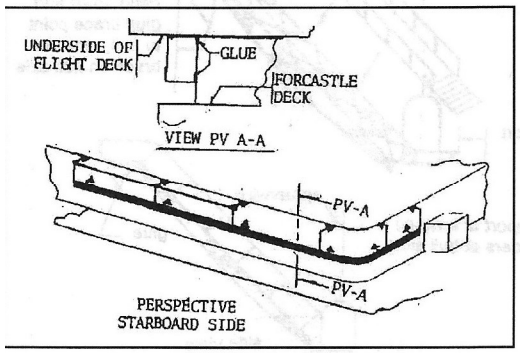


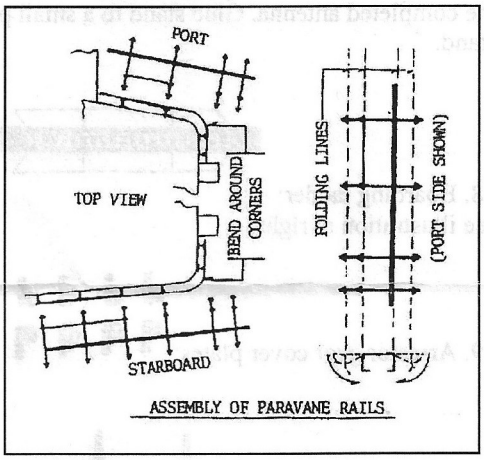


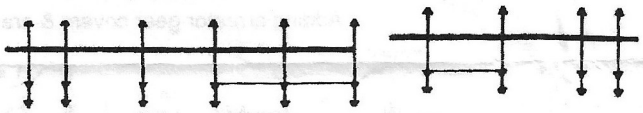






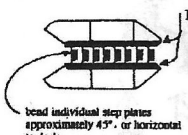


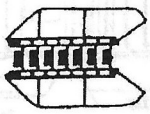




26. Paravane rails:
mount to parts B42,43and 46 *D42, 45 and C12.*

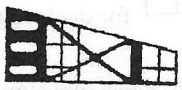
29. Inclined ladders from flight deck to catwalk:
Check references for locations





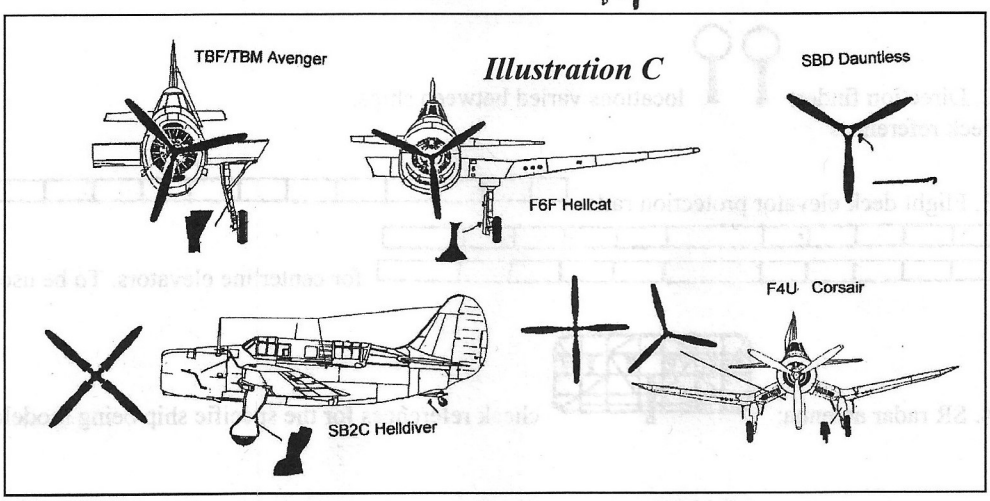
27. Inclined ladders:
check references for locations

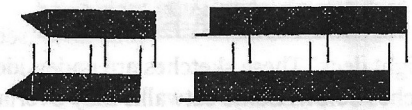
28. Loading crane hook:
use with part G25 *D39, D40*

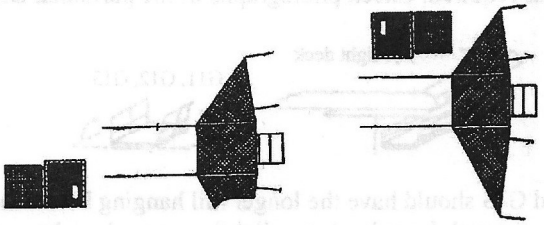


29. Tripod mast bracing:
added between the tripod mast legs.

30. Aircraft details:
see ***Illustration C*** at right
Additional details on set 712



31. Deck edge elevator safety nets:  add to part C9 *D44* see ***Illustration D*** below



24. LSO platforms: forward LSO platform on early units only. Check references.

Notes on ***Illustration D***

LSO-1: LSO (Landing Signal Officer) platform should be level with the flight deck. Create supports for platform from scrap plastic. See sketch below

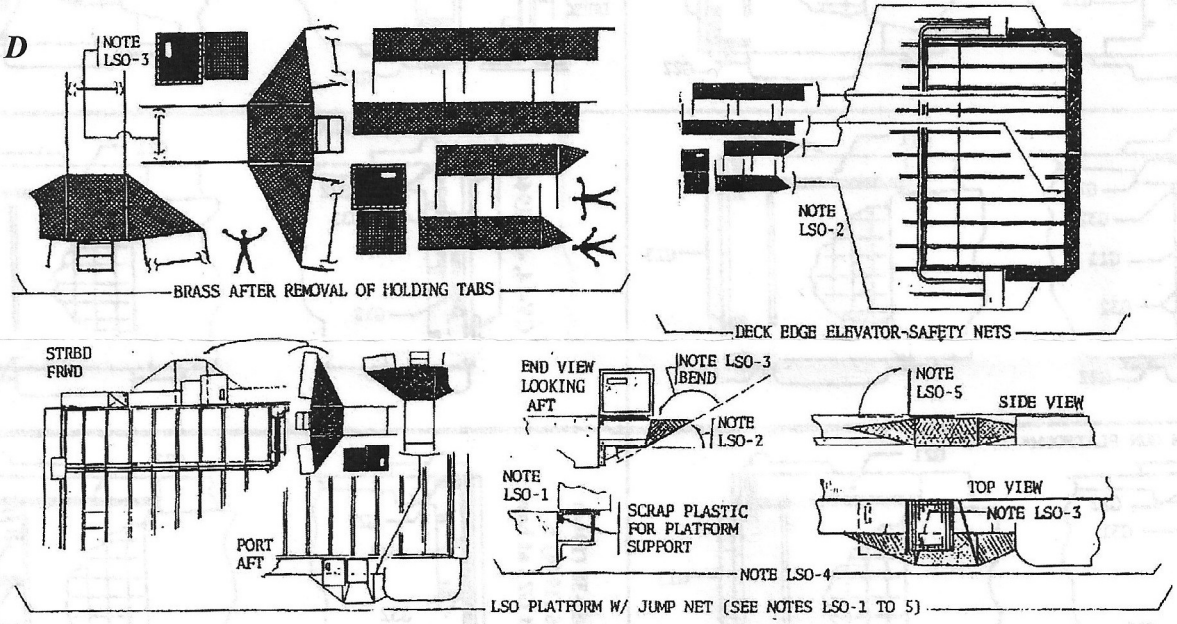
LSO-2: Bend jump nets upward approximately 30 degrees and glue to underside of catwalk or deck edge elevator as appropriate. See sketches below

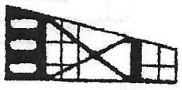
LSO-3: Cut the crosspiece at the top the net bracing and bend back over the net and glue to the edge of the deck and underside of the LSO platform. This supports the netting. Similarly attach the safety netting around the deck edge elevator.

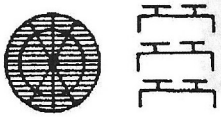
LSO-4: Sketches show the portside aft LSO platform and netting. Starboard forward platform and net are similarly installed.

LSO-5: Back windscreen of the LSO platforms were normally stowed flat and raised only during flight operations

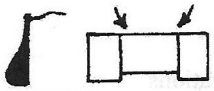
Illustration D

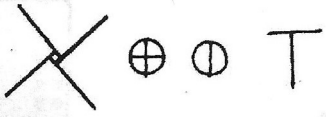


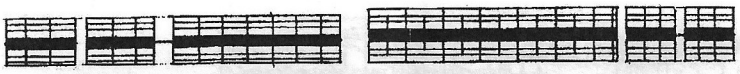
32. Tripod mast bracing:  added between the tripod mast legs.

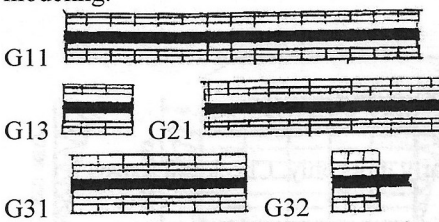
33 . SM radar:  early version  late version
check references

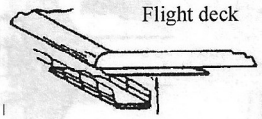
34. SG radar: dish  base  bend dish to same radius as mount.
Check references for location

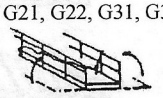
35. Whaleboat rudder and rails:  bend rails 90º use with part D22 *K2*

36. TBS and other misc. antennas:  check references for locations

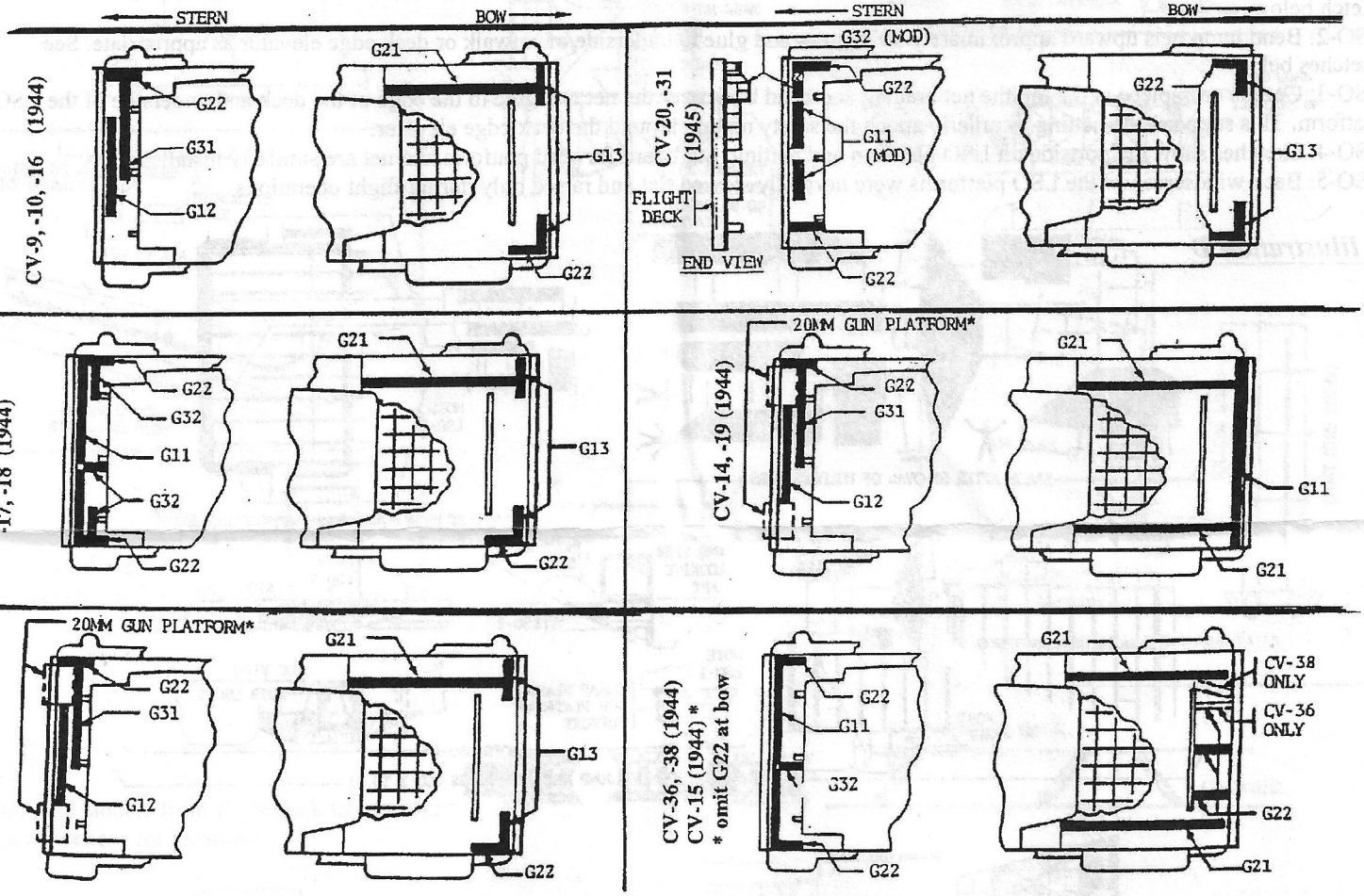
37. Flight deck gallery catwalks:  see illustrations below.
These catwalks are suspended below the exposed portions of the flight deck. These sketches are underside views – turn your flight deck upside down to install these parts. Bend the parts according to sketches below. Some catwalks may overlap or require bending to meet another at a slightly different level. Cut off excess railing and catwalk as required. Check photographs of the particular ship you are modeling.



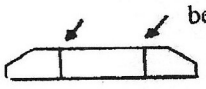




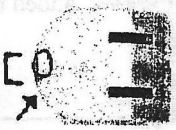
G11, G12 and G13 should have the longer rail hanging below the flight deck round-down bent at a slightly outward angle.

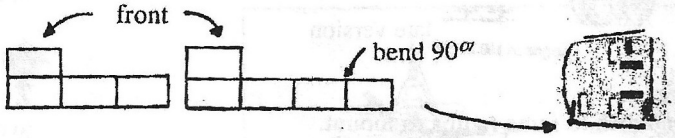


38. Rail around sighting hood 5" turrets:



part G10 *L6*

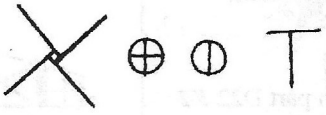




39. 5" open mount rails:

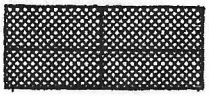
part G9 *K27*

40. TBS and other misc. antennas:

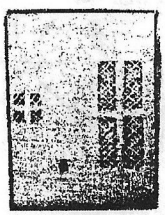


check references for locations

41. Screen:



replaces cast-on screens on part G13 *C4.* see illustration at right



42. Anchors: assemble and coat with white glue for thickness