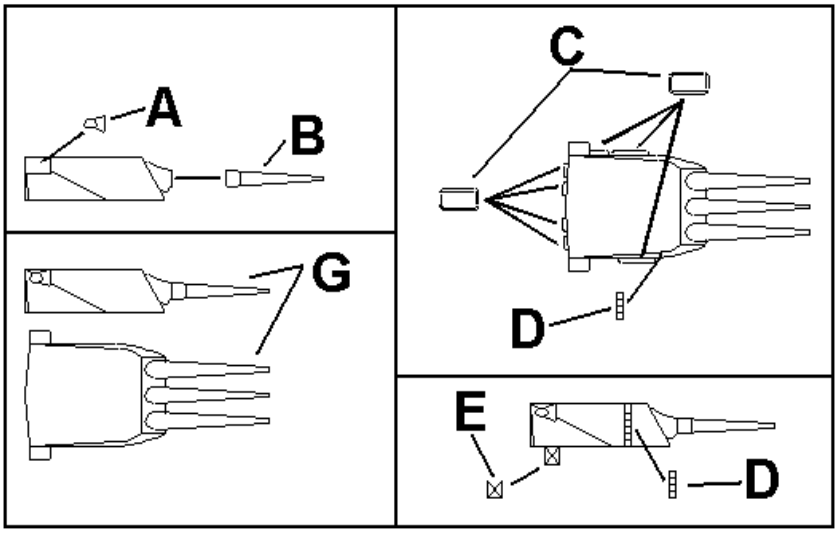
KIT INSTRUCTIONS

8 " Gun Assembly: (*Figure 1*)

Parts Needed: 8" Gun Range Finder **(2 per gun)**, Life Raft**(2)**, 8" Gun Barrel**(3 per gun)**, Photo-etch Ladder, and Turret Photo-etch Sub Assembly **(1)**.

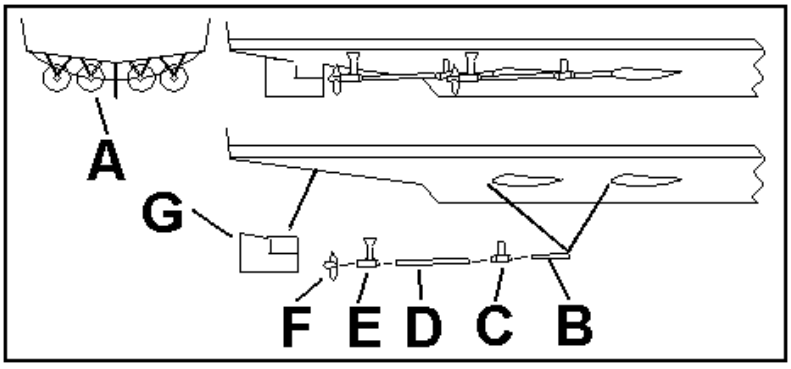


Instructions: There are three turrets that need to be assembled. Each of the three assembles in the same basic manner, but each may require equipment different from the others. Please read the directions carefully. The bottom of each turret will need to be sanded to assure a clean fit with its barbette. **Part A & B:** Start the assembly by gluing a range finder to both sides of the turret. This is shown as **Part A** in the picture. Now, glue three barrels to each of the turrets as shown in ***Figure 1***. **Part C & D:** In this step, the section of ladder labeled **Part D** should be glued to only one side of the turret and it is the same side for all three turrets.

Part C addresses the life rafts. These should be glued to only two of the turrets that will become the number "two" and "three" turrets. **Part E:** This shows that the Turret Photo-etch Sub Assembly is to be glued to the back of the number "two" turret so that the sides of the piece are parallel with the turret's sides and an opening facing the front of the turret is formed.

Hull Assembly: (*Figure 2*)

Parts Needed: Propeller**(4)**, Strut**(4),** Shaft Support**(4),** Rudder**(1)** and wire.



Instructions: (Repeat 4 times.) **Part A:** This part of the diagram shows the alignment to be used in the next steps and will help you to correctly install propellers and shafts. Use the brass rod supplied in the kit to create the propeller shafts. **Part B & C:** Dry fit the propeller shaft support in place on the hull and cut a section of wire to fit between the hull and the supports. Then glue the support in place on the hull as shown in ***Figure 2***. Finish the step by attaching the wire shaft between the support and hull. **Part D & E:** Now, Dry fit the strut into place and cut wire to fit between the strut and the support just glued. Once cut, glue the strut into place as shown in ***Figure 2***. The long side of the strut should be on the outboard side of the hull and the short side should face in towards the center. Glue the wire shaft in place. **Part F:** Glue the propeller to the strut. **Part G:** Finish by gluing the rudder to the hull, so that it lines up with the keel. It may be necessary to sand the rudder post to match the angle of the hull and to allow for a better fit between these two pieces.

Forward Stack Assembly: (*Figure 3*)

Parts Needed: Forward Stack**(1),** RDF Platform**(1)**, Aerial Antenna Platform**(2)**, and Stack Rail**(2)**.

Instructions: Parts A & B: To Assemble the stack as shown in ***Figure 3***, requires that the stack rails fit down over top of the stack funnel. Two Antenna platforms must be glued to each side of the stack. The platforms, labeled as **Part B** in the picture were formed by folding the Aerial Antenna platforms into a "U" shape and adding small diameter wire. **Part C**: The base of the stack should be sanded so that the molded lip can fit into the back of the Navigation Bridge platform as shown in

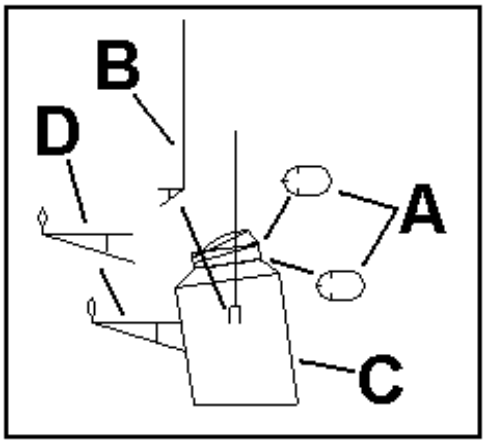


Figure 3: Forward Stack Assembly

Aft Stack Assembly: (*Figure 4*)

Parts Needed: Aft Stack**(1),** Searchlight Platform**(1)**, Aerial Antenna Platform**(3)**, 36" Searchlight **(2)**, and Stack Rail**(2)**.

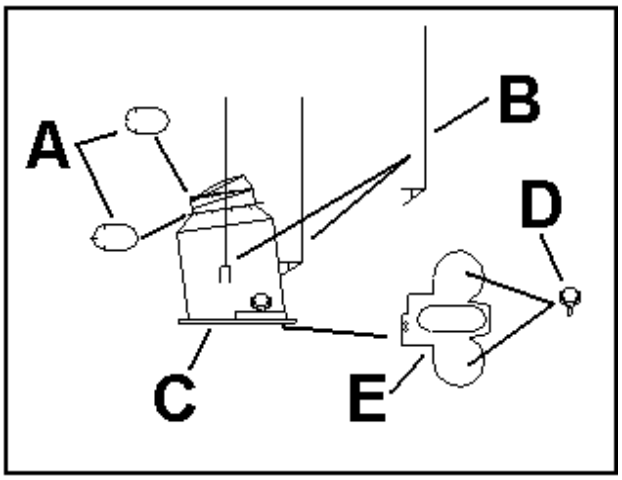
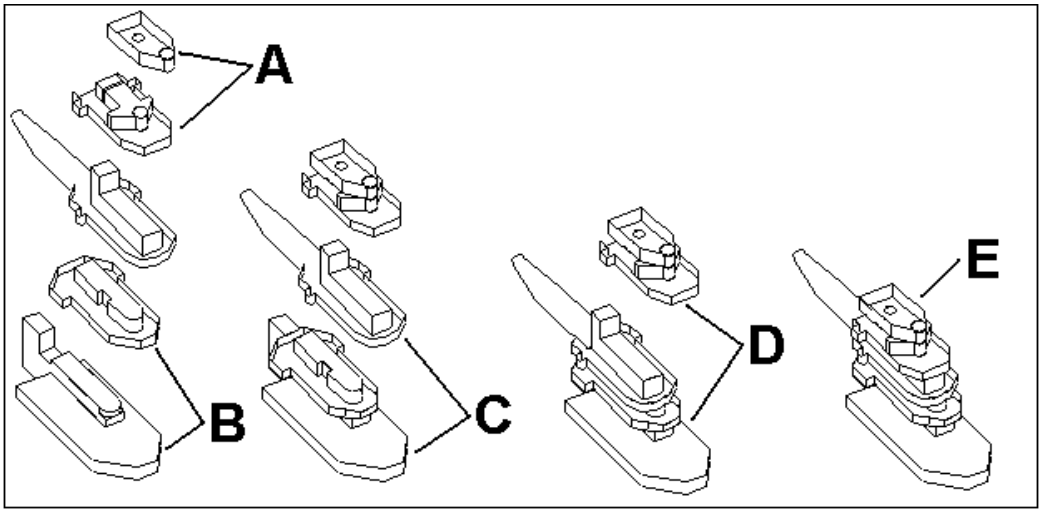


Figure 4 **Aft Stack Assembly**

Instructions: Parts A & B: Shown in ***Figure 4***, assembly of the Aft Stack is very similar to the assembly of the Forward Stack. Repeat the steps shown in the Forward Assembly for **Parts A & B** of this assembly. **Part C:** Again, this assembly requires that the base of the stack be sanded so that the molded lip can fit down into the Searchlight Platform. **Part D & E:** Finish this step by attaching a 36" searchlight to each side of the Searchlight Platform.

Forward Superstructure Assembly: (*Figure 5*)

Parts Needed: Forward Air Defense(1), Communication Bridge(1), Main Battery Control(1), and Navigation Bridge(1)).



Instructions: Assembly of the Forward Superstructure is shown in 3-D to facilitate building, but drawings are not to scale. The underside detail of these pieces will help in the alignment of each piece.

Step A: Glue the Forward Air Defense Bridge to the Main Battery Control. **Step B:** Attach the Communication Bridge to the cast Hull of the ship. **Step C:** Glue the Navigation Bridge into place over **Assembly B**. The flap should bridge the space between the forward Superstructure and the base of the stack on the cast Hull (see fig. 5). **Step D:** Finish this build by gluing **Assembly A** onto **Assembly C**. The back of the Forward Air Defense level will sit on the top of the Navigation Bridge. **Step E:** This shows the Forward Bridge area as it looks assembled.

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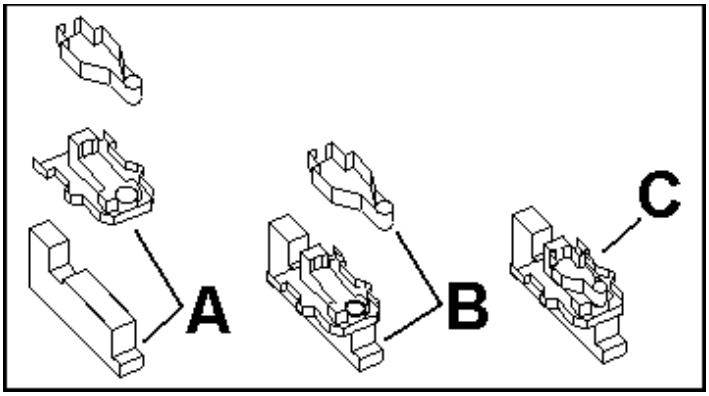
Aft Superstructure Assembly: (*Figure 6*)

Parts Needed: Fire Control Station**(1)** and Aft Air Defense Station**(1)**.



Instructions: As in the building of the Forward Superstructure Assembly, underside detail should help in the alignment of the pieces. **Step A:** Glue the Fire Control Station down over the cast hull. The back of the station should line up with the back of the raised area that it sits on. This creates a gap between it and the base of the stack. **Step B:** Attach the Aft Air Defense Station to **Assembly A** so that the curves of the front of the Defense Station and the front of the Fire Control Station line up. **Step C:** This assembly demonstrates what the Aft Superstructure should look like when assembled.

Catapult Assembly: (*Figure 7,8,9 & 10*)

Parts Needed: Catapult Base**(2)**, Catapult Frame**(2),** Launch Track **(2),** Catapult Platform 1**(2)**, Catapult Platform 2**(2)**, Catapult Platform 3**(2)**, Catapult Platform 4**(2),** Catapult Platform 5**(2),** Catapult Platform 6**(2)**and Cradle**(2)**.

Instructions: Parts A, B, C & D: These four parts form the main body of the catapult (labeled **Part L** in Figure 9). **Parts A, B C** are labeled as Catapult Frame in the Parts List. **Part D** is labeled Launch Track in the list. **Part A** forms the bottom of the structure and **Part D** caps the structure. Begin this step by taking **Parts B & C** and Gluing their long flat sides to **Part D**, forming the top and sides of the structure. Glue **Part A** to the base and then fold the tabs at both ends up and around **Parts B & C** to form **Part L**. In Figure 9, **Part L** also has its sides **D & C** labeled so that the builder can determine the proper orientation of the **L** when finished with this step. **Part E:** is labeled Catapult Platform 6 in the Parts List. **Part F:** is Catapult Platform 3 and **Part G:** is Platform 4. **Part H:** is Platform 5 and **Part I:** is Platform 2.

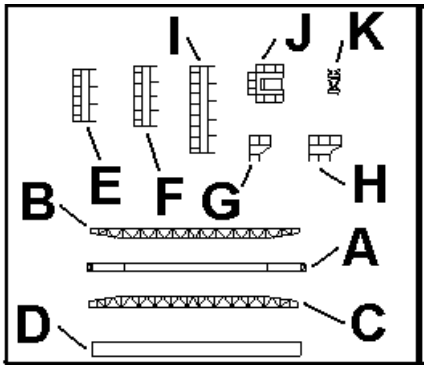


Figure 7: **Parts**

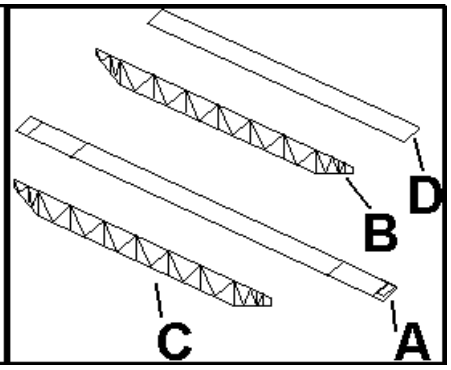


Figure 8: **Assembly of Main**

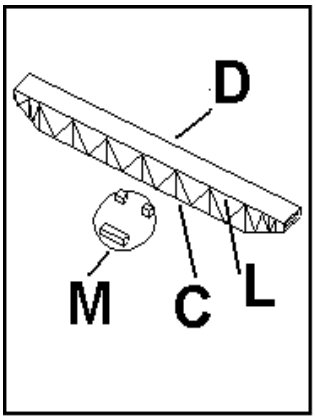


Figure 9: **Main Body**

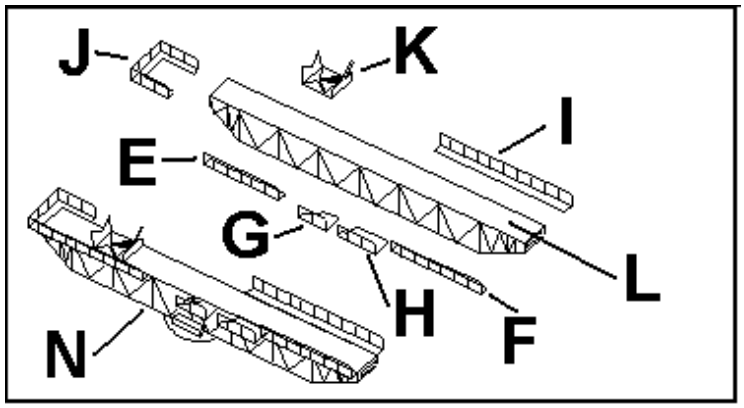


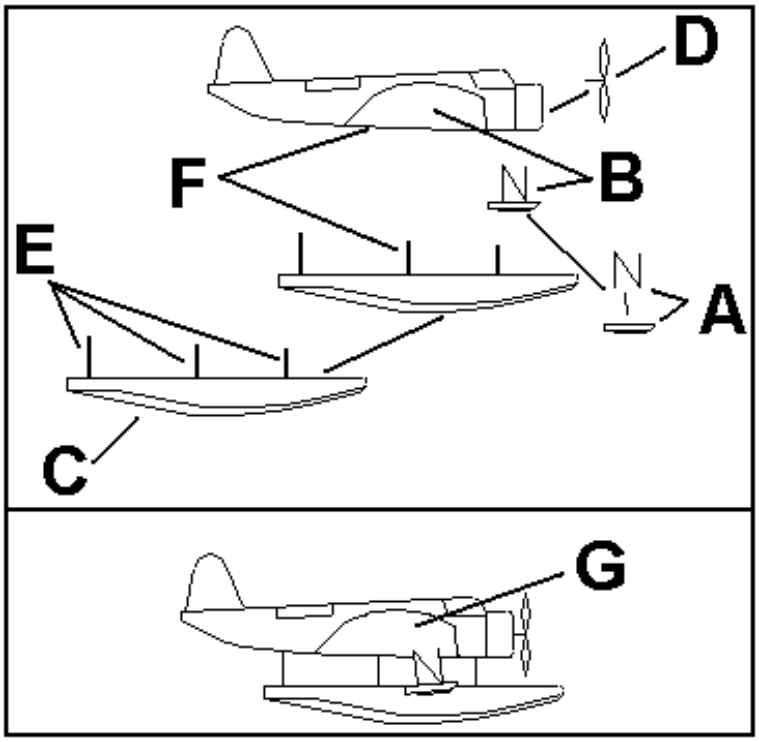
Figure 10: **Final Assembly**

These parts have been listed consecutively because their assembly instructions are similar. Each platform has locator tabs at its base, a solid brass walk way in the middle and is topped by one bar railing. In order to prepare these pieces for assembly, fold the railing up so that it forms a right angle with the walk way. Figure 10 shows where each part should be attached to the assembly. The parts should be glued to the assembly using their locator tabs as a contact point for the glue. **Part J:** This piece is Platform 1 and folds in the same manner as the previous platforms, but modelers should note that there are railings on three sides and that they should meet at right angles to one another as well as the walk ways. **Part K:** This is the Cradle that the Sea Plane will sit on. The triangle forms the base of the cradle while the "x" and "u" should be glued so that they form right angles to the base of the cradle. The "x" will seat the back of the pontoon on the plane while the "u" will seat the front of the pontoon. As shown in Figure 10, the cradle should be glued to the top of **Part L**, just forward of the railing formed by **Part J**. **Part M:** This is the Catapult Base and it is cast from resin. Glue it to the base of **Part L** as shown in Figure 9. **Part N:** This view shows how the Catapult Assembly should look when finished.

Plane Assembly: (*Figure 11*)

Parts Needed: Plane Body**(2)**, Pontoon**(2)**, Wing Float**(4)**, Propeller**(2)**, Sea Plane Strut**(4)** and Wire.

Instructions: Part A & B: Cut away the resin tabs on the Wing Float and glue the Sea Plane Strut to the top of the Float. Then glue the float to the wing of the Plane. Repeat this step for the other wing.



Part C, E & F: Attach three pieces of wire to the top of the Pontoon and glue the pontoon into place under the main body of the Plane.

Part D: Glue the Propeller onto the nose of the Plane

Figure 11: **Plane Assembly**

SKII Radar Assembly: (*Figure 12 & 13*)

Parts Needed: SK Frame Size 1**(1)**, SK Frame Size 2**(1)**, SK Frame Size 3**(1)**, SK Base**(1)**, SK Center Piece**(1)**, SK Supports**(4)** and wire.

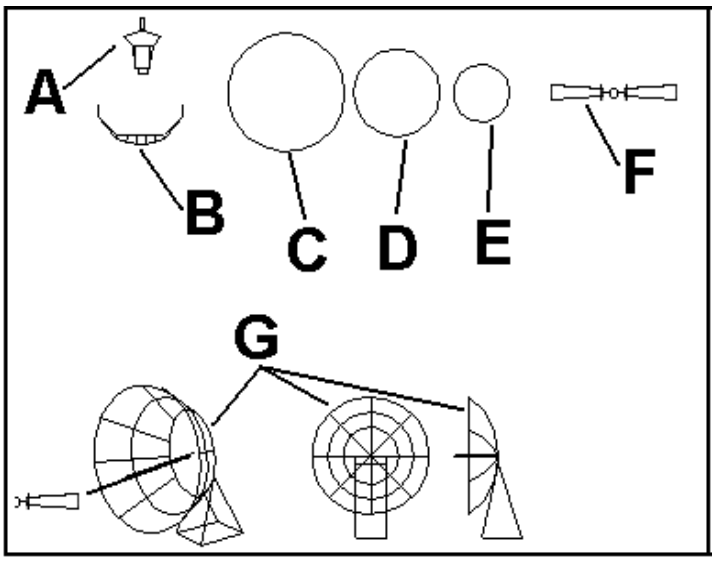


Figure 12: **SK Radar Parts And 3-D**

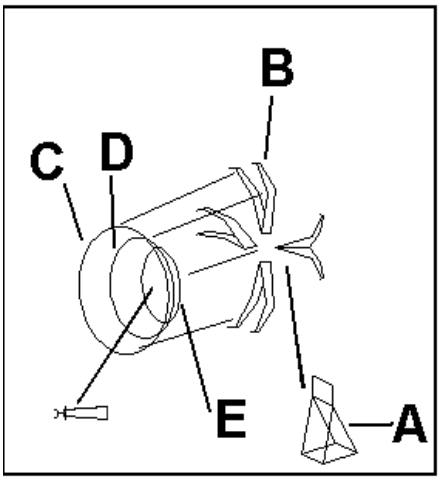


Figure 13: **Radar Assembly**

Instructions: **Part A :** The base for the radar is formed by folding the triangle pieces up at a right angle with the center squares. This forms the support legs. Next, with the tips of the triangles pointing up into the air, fold the long side up so that it meets the sides of the triangles. Then fold the flap back of the triangles. Then fold the flap back so that the base looks similar to the outline labeled **"A"** in Figure 13. This is the base of the radar. **Part B & C:** Using the SK supports, Fold them in half and then pull them slightly apart. These frames must be arranged on top of **Part C** so that they divide the circle into equal parts. When done, the circle should be divided up into 8 equal pieces like a pie, with each piece the same size. It will be necessary to bend the SK Supports until you achieve this. Then glue them in place. **Part D & E:** Once the supports are in place, Glue the other two frames into the inside of the dish. **Part F:** Fold the SK Center Piece in half and glue it to the center of the dish. Finish the step by gluing the entire assembly onto the tab onto **Part A**. **Part G:** This shows what the radar should look like when completed.

MK 4 Radar Assembly: (*Figure 14 & 15*)

Parts Needed: MK 4 Base**(2)**, MK 4 Grid**(2)**, MK 4 Cradle**(2)** and Wire.

Instructions: Part A: Fold the Grid in half. Then bend the top and bottom halves around .10 inch diameter rod to give the grid its curved appearance shown in Figure 14. It may be necessary to start with larger diameters and work down to the smaller diameter rod. **Part B:** Fold the Base so that the two wings make right angles with the center piece. These are the legs of the radar.

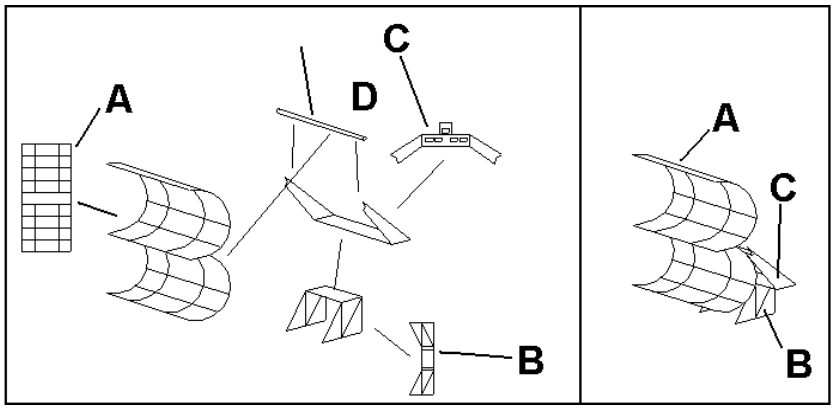


Figure 14: **MK 4 Radar Assembly** ***Figure 15***: **Final**

Part C : Fold the wings of the cradle up so that also form right angles with the center section. **Part D:** Across the wings, glue a length of .02 diameter wire. This will form the brace that the grid will be glued to. Glue the grid so that the "v", formed by the curved sections, fits over the wire. Glue the cradle and the grid to the base of the radar. The cradle should be centered on the top of the base and the grid should face the same direction as the as the angled sides of the legs.

Crane Assembly: (*Figure 16*)

Parts Needed: Crane Base**(1),** Crane Frame**(1)**, Pulley**(2)**, and Wire.

Instructions: Parts A B, & C: Fold the sides so that they are at right angles with **Part B.** This gives a frame work with three sides. **Parts D, E & F:** Repeat the previous step for the bottom of the framework. Then look at the triangles formed between **Parts C & F** and **Parts A & D**. Fold the top of the framework down toward the bottom so that the triangles disappear and the two frameworks meet forming the body of the crane. **Part G:** Glue the framework to Crane Base. **Part I & H:** Glue the Pulleys to both sides of the crane to give a 3-D appearance. **Part J:** Finish the step by rigging the crane with wire.

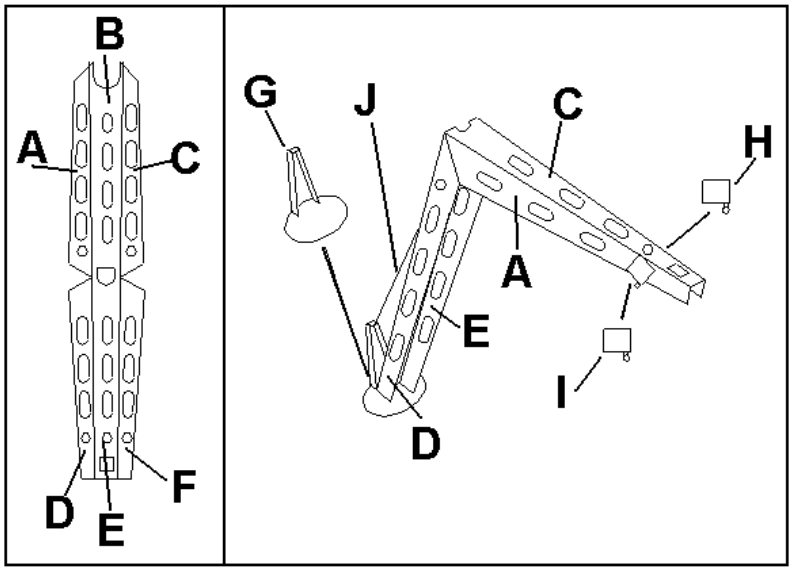


Figure 16: **Crane Assembly**

MK 8 Radar Assembly: (*Figure 17, 18, 19, 20, 21 & 22*)

Parts Needed: MK 8 Base**(2)**, MK 8 Grid 1**(2)**, MK 8 Grid 2**(2)**, MK 8 Grid 3**(2)** and MK 8 Side**(2)**.

Instructions: Steps A & B: Remember to have patience with this build. Lay the MK 8 Grid 1 flat on the work surface. Fold the solid tab up to form a right angle as shown in box **B** of Figure 17. **Steps C & D:** Fold the long, center of the piece at each of vertical lines shown in box **A** to produce the view shown in box **C.** In **C** and **D**, the grid pattern has been omitted so that the shape of the piece can be see more clearly. Now, fold the other two flaps to form boxes on both sides of the center piece. It may be helpful to have a piece of styrene or similar square edge to form the squares around. When done, the piece should look as the one in box D does.

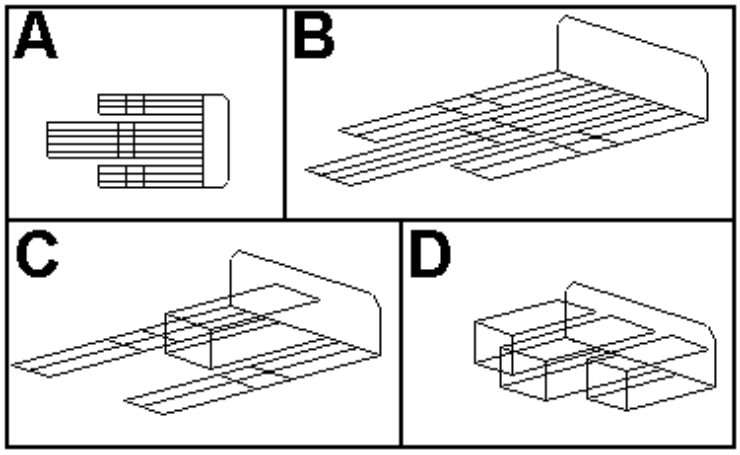


Figure 17: **Assembly of MK8 Grid 1**

Steps E & F: Place the MK 8 Grid 2 on the work surface and fold the end flap as in **Step A**. This should produce the piece shown in box **F**. **Step G & H:** Begin the step by folding the piece along the vertical lines shown in box **E**. The box shape that is formed is outlined in box **G**, but the grid pattern has been omitted to avoid confusion. Also visible in box **G** is the next step in which the MK 8 Grid 3 is inserted into the slot located in the solid brass flap. When viewed from the side, the piece will now have three layers of Gridwork. The insertion is more easily viewed in box **H** and this is what the piece should look like when finished with this step.

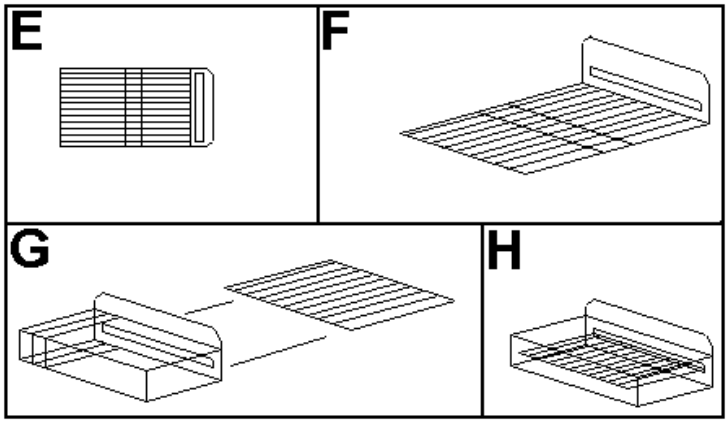


Figure 18: **Assembly of MK 8 Grids 2 & 3**

Steps I & J: Place the MK 8 Base flat on the work space and fold each end up to create a right angle. Then fold each of the triangle in until their base parallels the sides of the long solid strip as in view **J**.

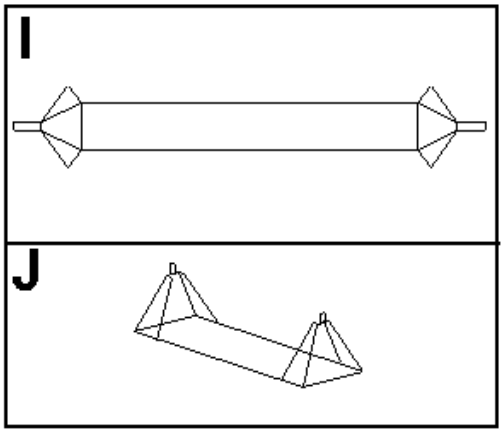


Figure 19: **Assembly of Base**

MK 8 Radar Assembly: (*continued*)

Step K: As shown in box **K**, the ends with the two flaps should be glued face to face.

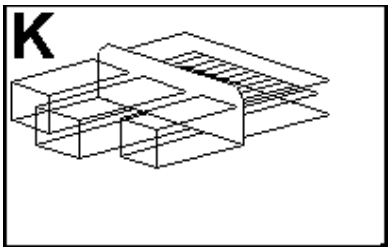


Figure 20: **Assembly of all Grids**

Steps L & M: Slide the MK 8 Side into the center box, but outside the outer two boxes, and then fold the ends over to close the boxes and form the piece in view **M**. Finish this assembly by gluing the base to the gridwork as shown in Figure 22.

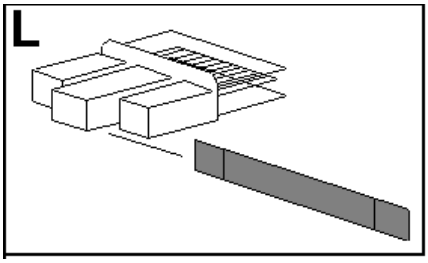


Figure 21: **Assembly of Sides**

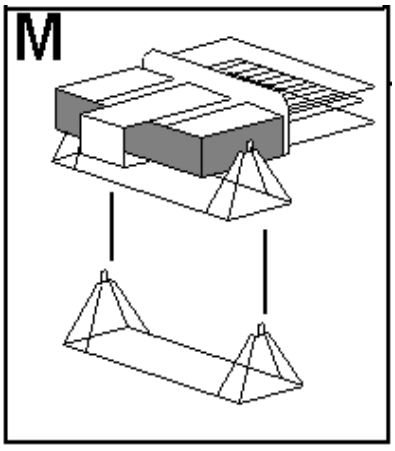


Figure 22: **Final Assembly of MK 8 Radar**

Stern Assembly: (*Figure 23 & 24*)

Parts Needed: Propeller Guard**(2)**, Smoke Generator**(2)**, Catapult Assembly**(2)**, Number "Three" 8" Turret Assembly**(1)**, Crane Assembly**(1),** Twin 40mm Gun Assembly**(2)**, Quad 40mm Gun Assembly**(2)**, 20mm Gun Assembly**(6)**, MK51 Director**(2)**, Vent**(1)**, Sea Plane Assembly**(2)**, Fantail 40mm Tub**(2),** Director Tub #3**(2),** 5" Platform #4**(1)**, 5" Gun Assembly**(1)** and Wire.

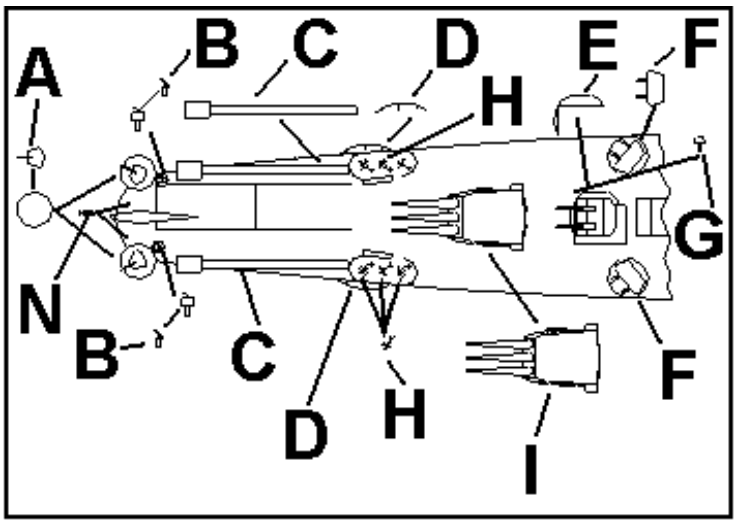


Figure 23: **Stern Over View Assembly**

Instructions: Part A : The Twin 40mm Assembly fits into the Fantail 40mm Tub. Then the tub is glued into the recess located on the fantail of the ship. **Part B:** Once the Fantail tub is in place, the Director Tub #3 can be glued immediately forward of the 40mm tub and a MK51 glued into place inside it. **Part C:** Raised Locator Rings are provided on the deck to help with the placement of the Catapult Assembly. The resin base of the assembly should fit over the ring and should be glued into place. Finish the step by gluing the Sea Plane Assembly into the cradle on the catapult.

Repeat **A, B** and **C** for the other side of the ship. **Part D:** Glue the Propeller Guards into place on each side of the hull. **Part E & L:** Cement the 5" Platform #4 into place over the locator lip provided on the cast hull. The part should fit down over top of the lip to complete the platform that the 5" gun rests on. Then glue the 5" Turret Assembly into place on top of the platform. **Part F:** Glue one Quad 40mm Gun Assembly into each of the port and starboard tubs. **Part G:** A locator hole is located on the main deck next to the after most 5" turret. Glue the Vent into this hole.

Part H: Three 20mm Guns should be positioned in each of the two tubs that are cast as part of the hull.

Part I: Glue the 8" Turret Assembly into place.

Part J & K: Glue the Crane Assembly between the two Catapults.

Using Wire, create the stern post and glue it into position aft of the crane. **Part N:** Glue the Smoke Generators into place on either side of the Crane.

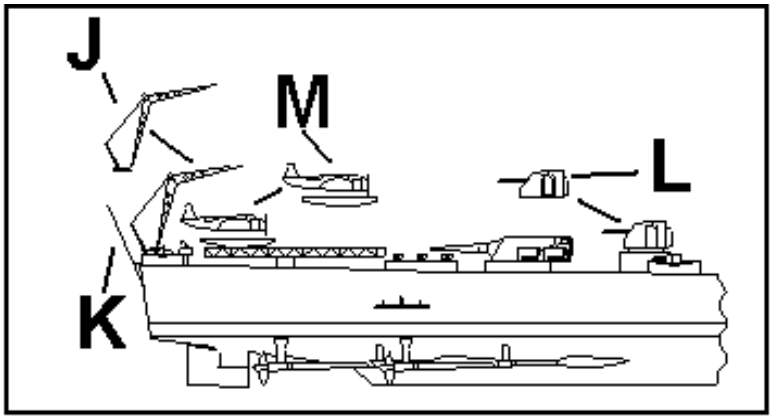


Figure 24: **Stern Side View Assembly**

Bow Assembly: (*Figure 25*)

Parts Needed: Capstan Assembly**(4)**, Number "One" 8" Turret**(1)**, Number "Two" 8" Turret Assembly**(1)**, Quad 40mm Gun Assembly**(2)**, 5" Platform C**(1)**, 20mm Gun Assembly**(6)**, MK51 Director**(2)**, 5" Platform C**(1)**, 5" Gun Assembly**(1)** and Wire.

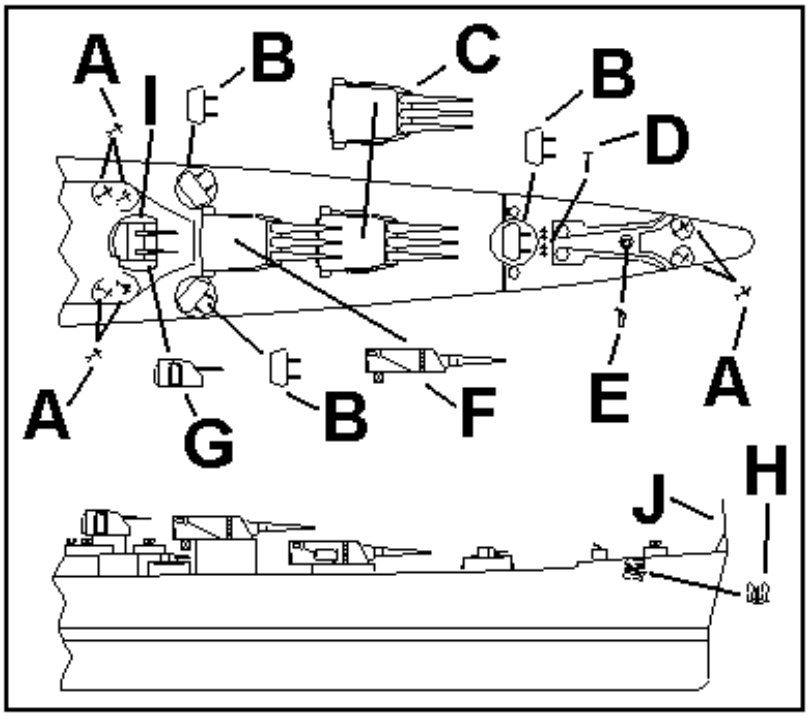


Figure 25: **Bow Assembly**

Instructions: Part A : Two 20mm Guns should be positioned in each of the two tubs cast as part of the hull on both sides of the superstructure and two 20mm Gun Assemblies should be glued into the tubs cast as part of the ship's forecastle. **Part B:** Glue one Quad 40mm Gun Assembly into each of the port and starboard tubs that are cast as part of the hull. Now glue one in the forecastle position. **Part C& F:** Glue Turrets Numbers "One" and "Two" into place in consecutive order. **Part D:** Glue four Capstan Assemblies onto the hull in front of the forecastle 40 mm tub. **Part E:** Glue a MK 51 Director into the forecastle tub. **Part G & I:** Cement the 5" Platform #3 onto the superstructure. The curve with the notch should point aft. Then glue the 5" Turret Assembly onto the top of the platform. **Part H:** Glue two anchors to either side of the hull. **Part J:** Using a piece of wire, create the jackstaff and glue it into position on the forecastle of the ship.

Midships Assembly: (*Figure 26& 27*)

Parts Needed: Davits**(4)**, 5" Practice Loading Gun**(2)**, Stack Platform**(1)**, Catwalk**(1)**, 40mm Tub Type A**(4)**, 40mm Tub Type B**(2)**, Forward Mast Assembly**(1)**, Number "One" 8" Turret**(1)**, Wire, Director Platform**(1),** Director Tub #1**(6)**, Life Boat**(2)**, Aft Mast Assembly**(1)**, Quad 40mm Gun Assembly**(6)**, 20mm Gun Assembly**(14)**, MK 51 Director**(10)**, Small Crane**(6),** Support Frame**(2),** 5" Platform #2**(2)**, Forward Stack Assembly**(1)**, Aft Stack Assembly**(1)**, 24" Searchlight**(2)**, 8" Director**(2)**, 5" Director**(2),** Aft 20mm Tub**(1)**, Signal Platform**(1)**, Director Tub #2**(2),** and 5" Gun Assembly**(4)**.

Instructions: Part A : Glue the Stack Platform around the base of the stack so that it is positioned on top of the locator ridge. **Part B:** Attach the Catwalk so that the angled wings meet the 40mm tubs as shown in Figure 26. The edges need to be sanded in order for them to fit. **Part C& D:** Glue a 5" Platform #2 to each side of the aft superstructure area. There is a right and left version which can be distinguished by the underside detail. This detail will also help to position the pieces. Then glue a 5" Gun Assembly over the two platforms and the two platforms of the forward superstructure. **Part E:** Position and glue the two 40mm Tub Type #2's onto the center columns, making sure that they overhang the outboard sides. **Part F:** Glue a Director Tub #1 over each of the four locator disks, which can be found between the 40mm locations. **Part G & AA:** Glue a 20mm Gun Assembly into each of the tubs just installed. Then glue one into each of the two cast as part of the hull. Glue 6 into the Aft Superstructure Assembly and 1 into the Forward Superstructure Assembly.

Then attach the Aft 20mm Tub to the back of the Aft Superstructure. A locator ridge will help to position the piece. Glue it over the ridge and then add a 20mm Gun Assembly. To help with positioning, the tub is shown in each view. **Part H & I:** Glue a 40mm Tub Type #1 over each of the 4 remaining 40mm tub column.

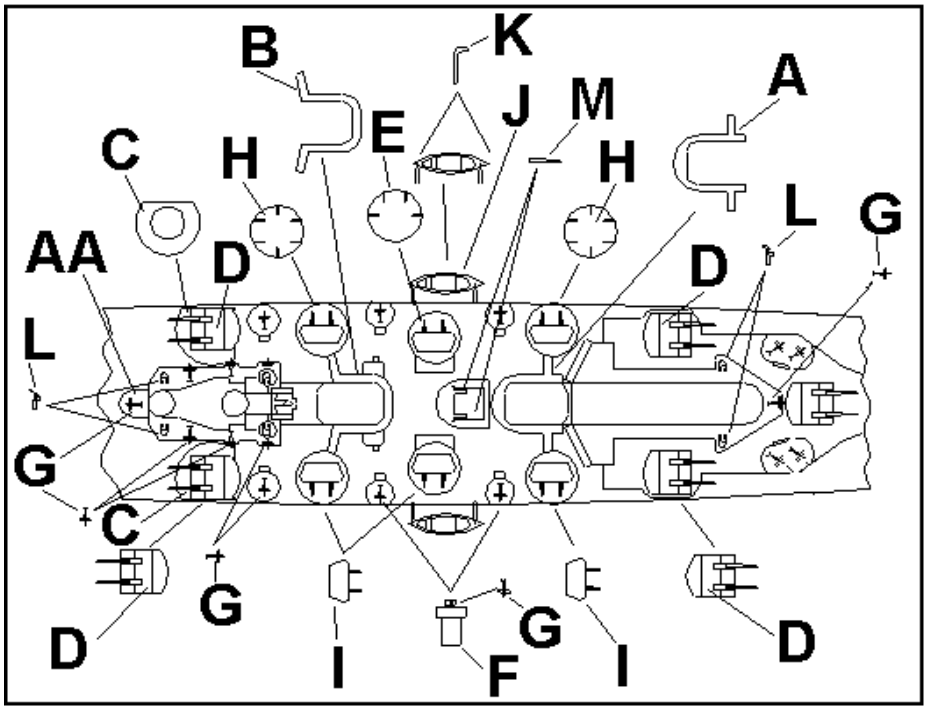


***Figure 26*: Midships Overhead View**

Then glue a Quad 40mm Gun Assembly into each of the 6 tubs located in this section. **Part J & K:** Attach the Davits to the hull of the ship and then glue the Life Boat into place between them. Repeat for the opposite side. **Part L& Y:** Glue 6 MK51 Directors onto the Forward Superstructure and 4 onto the Aft Superstructure. Glue a Director Tub #2 to each side of the Aft Superstructure before adding the final 2 MK 51 Directors. **Part M:** Attach two 5" Practice Loading Guns to their base which is cast as part of the hull, between the two stacks.

Midships Assembly: (*continued*)

Part N: Glue the MK 4 Radar onto the top of the 5" Director. Then glue the director onto the cylindrical base provided. Glue the entire structure into the locator hole in the Aft Superstructure. **Part O, P & Q:** Repeat the steps for **Part N**, but use the Cylindrical Base that has a notch in it. This is for positioning and supporting the Director Platform. Glue it to the Cylinder and then add a 24" Searchlight to each side. **Part R, V & W:** Glue the Forward Mast Assembly into place so that the SK2 radar faces forward. Glue in place the Aft Mast Assembly and attach the Signal Platform(if not previously attached). **Part S & T:** Attach each of the Stack Assemblies to their bases. It may be necessary to sand the assemblies' bases to achieve a clean fit. **Part U:** Glue the MK 8 radar to the 8" Director. Then glue one onto the Forward Superstructure and one to the Aft Superstructure. **Part X:** Using the photo-etched Small Cranes, glue one into each of the locations marked "**X**" on the four 40mm Gun tubs and two 20mm tubs. **Part Z:** Finish this section by adding two Support Frames to the underside of the Forward Stack Platform.

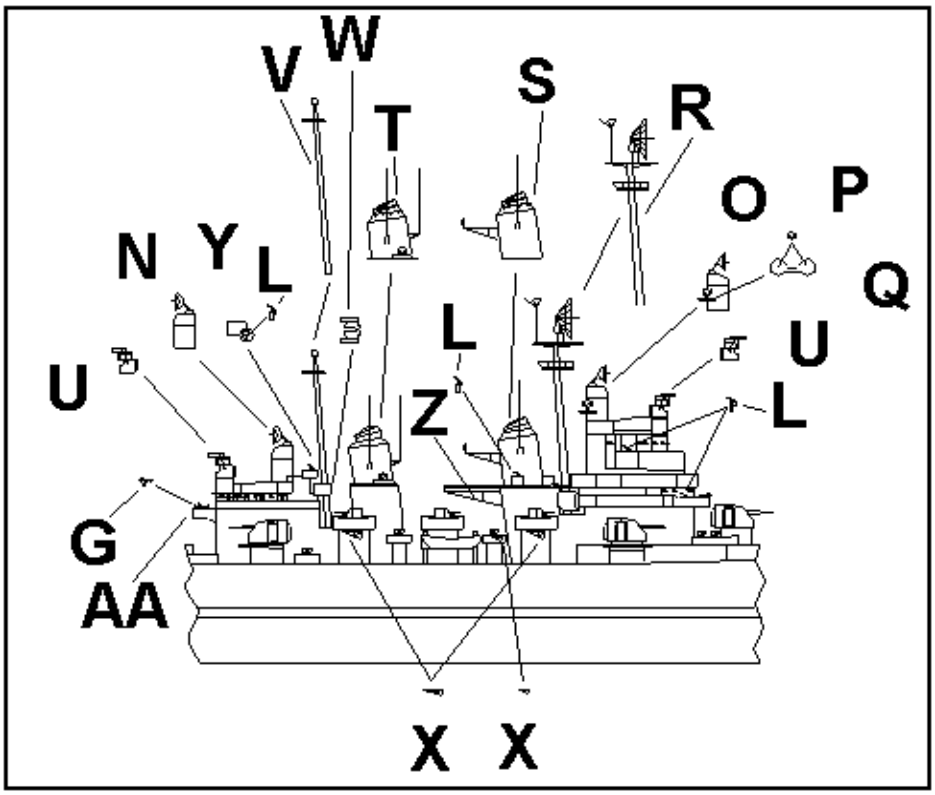


Figure 27: **Midships Side View**

Aft Mast Assembly: (*Figure 28*)

Parts Needed: Aft Mast**(1)**, Signal Platform**(1)** and Wire**.**

Instructions: Part A : Turn the Aft Mast on its side and confirm that this is the Aft Mast by noting whether the mast continues in a straight line through the platform or whether the top appears to be forward of the main column of the mast. If it is not a straight line, it is the Forward Mast. **Part B:** Glue the Signal Platform to the Aft Mast, just above the locator tab. If unsure of the placement, see Figures 26 & 27 that is included in the midships section of these instructions. **Part C:** Cut a piece of 1/64" x 1" long wire for use as a spar. Then glue into place under the platform of the mast. **Part D:** Rig the Signal Halyards according to Figures 28 & 30.

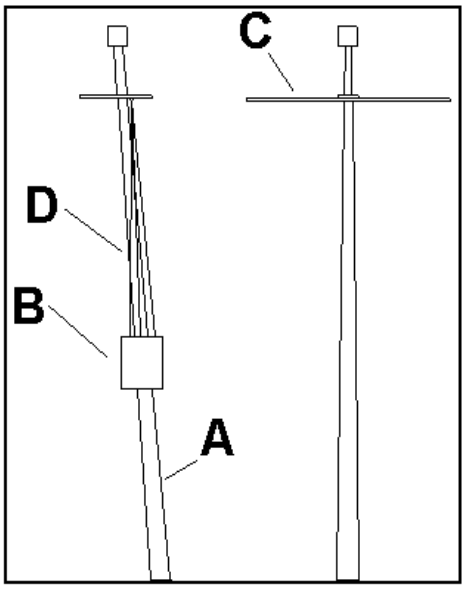


***Figure 28*: Aft Mast**

Forward Mast Assembly: (*Figure 29*)

Parts Needed: Forward Mast**(1)**, Mast Platform #1**(1)**, Mast Platform #2**(1)**, Mast Railing**(1)**, Wire and SK2 Assembly**(1).**

Instructions: Part A & B : Glue the Mast Platform #1 to the Forward Mast, just above the locator tab and below the cast platform. **Part C:** Glue the mast railing to the outer edge of Mast Platform #1. **Part D & E:** Attach the SK2 Radar to the top of tab **D** so that it faces forward on the mast. **Part F:** Glue a vertical rod to the top of the cast platform. The rod should measure 1/32" in diameter and be 3/4" long. **Part G:** This should be capped by a 1/16" diameter x 1/16" length piece of styrene. **Part H:** Glue a length of wire measuring .02" in diameter and 3/4" in length. **Part I:** Glue the Mast Platform #2 into place so that the "u" fits around the mast. Then fold the railing up around the platform but at 10 degrees off vertical. This will simulate the angled railing which in this part of the mast is angled away from the center of the platform. If unsure of the placement, see Figure 26 that accompanies the midships section of these instructions.

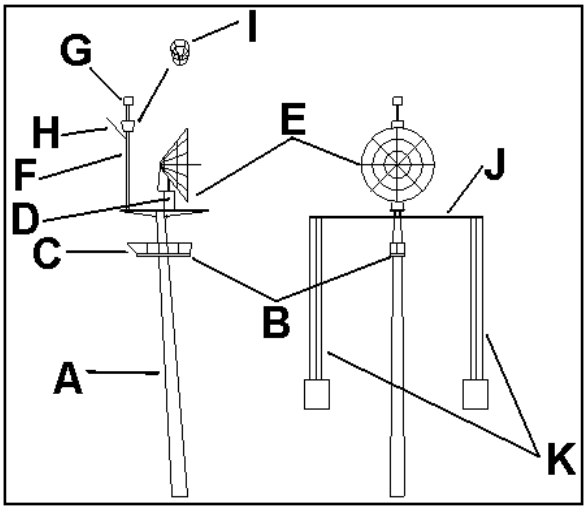


***Figure 29*: Forward Mast**

Part J: Cut a piece of 1/32" diameter x 1.5" long wire for use as a spar. Then glue into place under the platform of the mast. **Part K:** Rig the Signal Halyards according to Figures 29 & 30. The rigging should be attached to the Forward Superstructure Assembly.

Rigging Placement: (*Figure 30*)

Instructions: This diagram is to help in determining how the ship should be rigged. The outline of the ship has been lightly drawn on the page and the darker lines represent the rigging. Due to the confusing nature of the 2-D diagram, the modeler may wish to use pictures or plans to help in the placement of the rigging

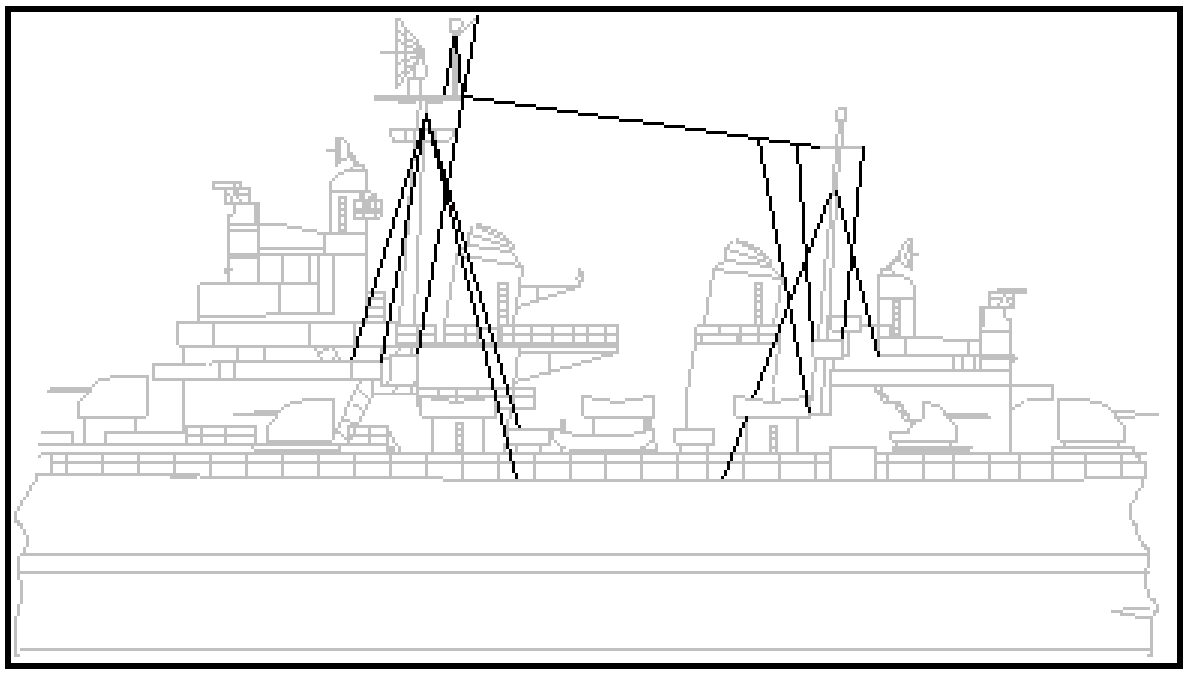


***Figure 30*: View of Rigging**

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