

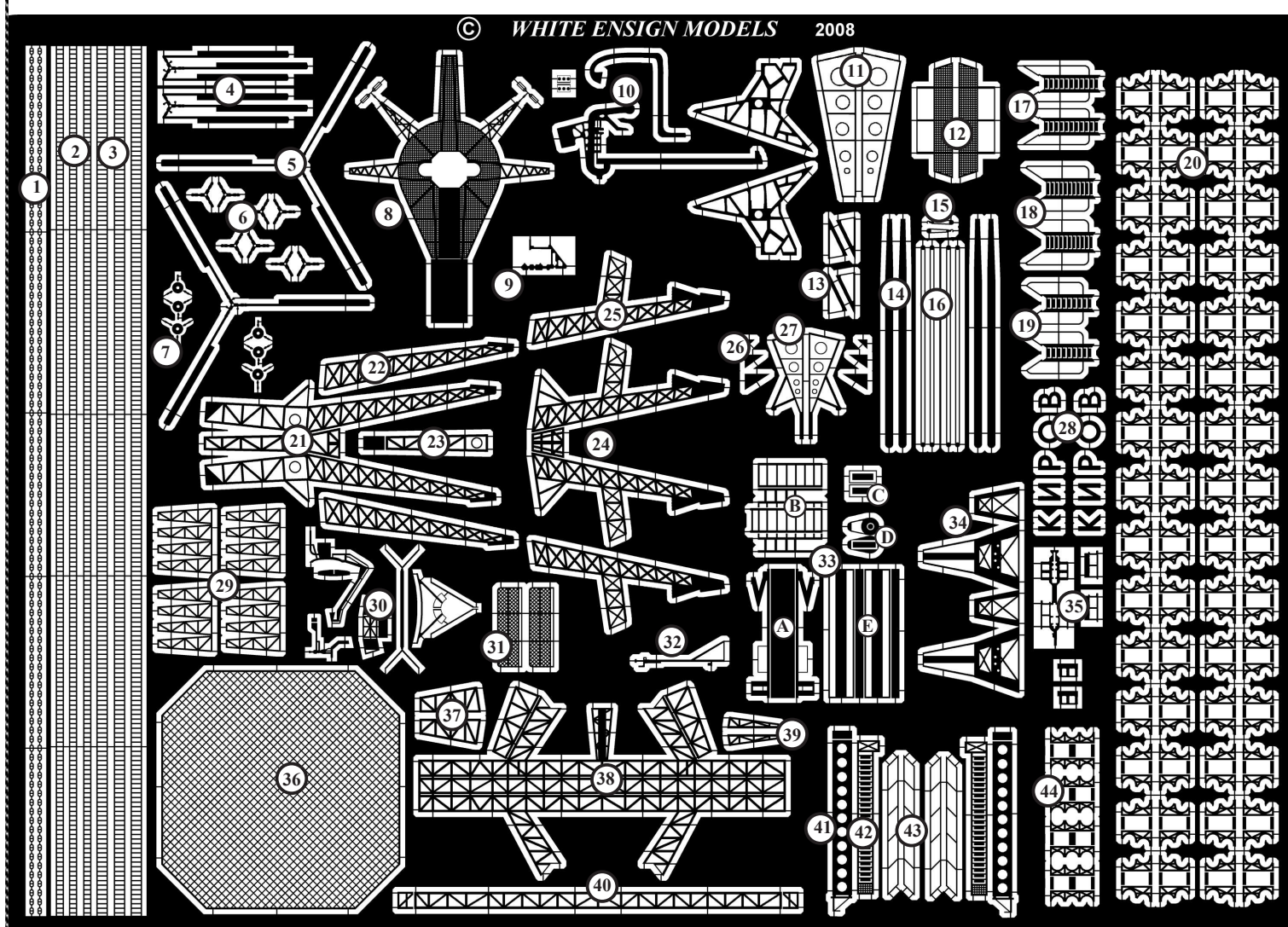
# WHITE ENSIGN MODELS

## Russian Missile Cruiser 'Kirov'

Photoetched metal detail set for the  
Trumpeter 1/350 scale *Admiral Ushakov* (ex-Kirov) Kit

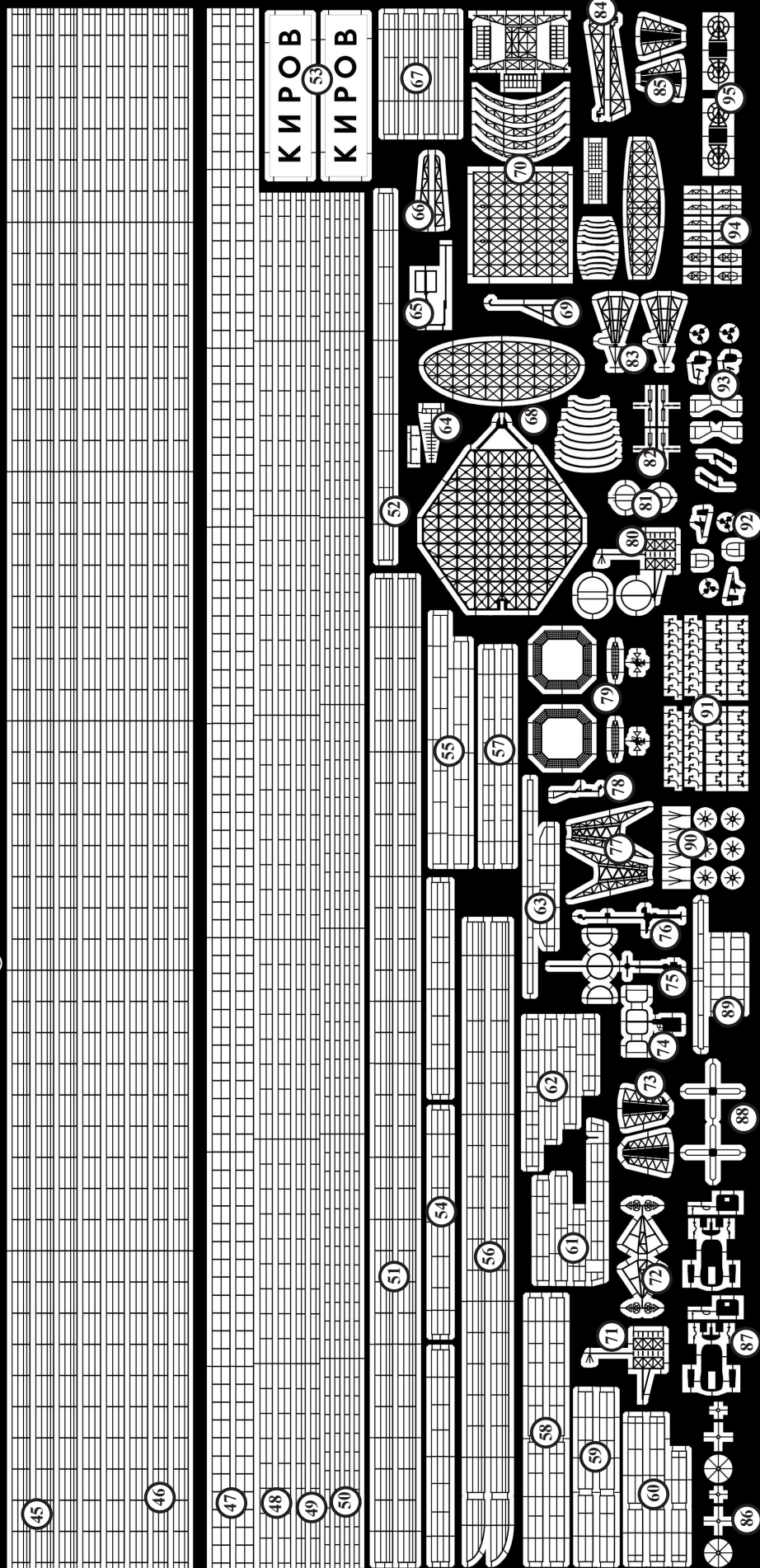
### PARTS LIST

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- |  |   |                                      |
|--|---|--------------------------------------|
| 1. Anchor Chain                        | 16. Crane Rigging Cables                      | 31. Flight Deck Safety Nets          |
| 2. Stock Vertical Ladder (Narrow)      | 17. Inclined Ladders Q28                      | 32. Fore Deck Light Mast             |
| 3. Stock Vertical Ladder (Wide)        | 18. Inclined Ladders Q22                      | 33. Missile Loading Gantry           |
| 4. Helicopter Rotors (Folded)          | 19. Inclined Ladders Q29                      | 34. Mainmast Antenna Mast (Late)     |
| 5. Helicopter Rotors (Spread)          | 20. Life Raft Cannister Racks                 | 35. Communications Antenna Assembly  |
| 6. Helicopter Rotor Doublers           | 21. Mainmast Antenna Support (Early)          | 36. Flight Deck Net                  |
| 7. Helicopter Control Linkages         | 22. Antenna Support Doublers                  | 37. Signal Gantry Supports           |
| 8. Mainmast Top Platform               | 23. Antenna Mast Front                        | 38. Signal Gantry Assembly           |
| 9. Foremast Light Cluster              | 24. Mainmast Antenna Support (Late)           | 39. DF Antenna Walkway Supports      |
| 10. 'Top Pair' Radar Antenna Mountings | 25. Antennas Support Doublers                 | 40. Signal Gantry Rear Frame         |
| 11. Mainmast Platform Supports (Late)  | 26. Mainmast Platform Support Support Fillets | 41. Accommodation Ladder Stowage     |
| 12. Propeller Guards                   | 27. Mainmast Platform Supports (Late)         | 42. Accommodation Ladder Steps       |
| 13. Bridge 'Tin Man' Platform Supports | 28. Ship's Name Letters                       | 43. Accommodation Ladder Rails       |
| 14. Crane Jib Side Plates              | 29. Amidships Whip Antenna Masts              | 44. Life Raft Canister Stowage Racks |
| 15. Crane Hooks                        | 30. 'Top Steer' Radar Antenna Mountings       |                                      |

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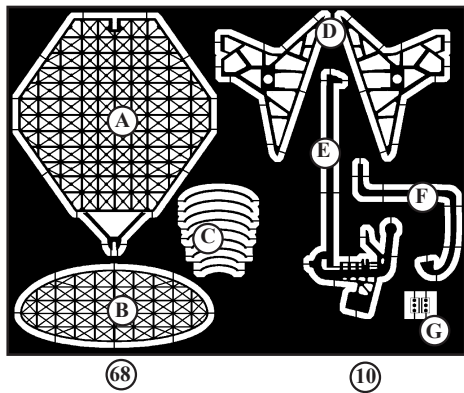
45. Railings 4-Bar Main Deck
46. Railings 3-Bar Stock
47. Railings 2-Bar Platform
48. Railings 2-Bar Low
49. Railings 2-Bar Director Platform
50. Handrails
51. Foc'sle Deck Edge Railings
52. Railings 'Top Dome' Director Platform Aft
53. Stern Nameplates 'KIROV'
54. Railings Foc'sle Inner Well
55. Railings 'Roundhouse' Platforms
56. Railings Quarterdeck/Fantail
57. Railings Mack Top Platform
58. Railings Mack Side Platforms
59. Railings Mack Side Platforms
60. Railings Mack Side Platforms
61. Railings Mainmast Platforms Port

62. Railings Mainmast Platforms Starboard
63. Railings Mainmast Top Platform
64. UHF Antenna Assembly
65. Bridge Roof DF Antenna (Alternate)
66. Mainmast Angled Yard Supports
67. 'Top Dome' Director Body Railings
68. 'Top Pair' Radar Antennas
69. Mainmast Platform Gaff
70. 'Top Steer' Radar Antenna
71. Signal Gantry Antenna Mast (Alternate)
72. Mainmast Aft Lower Yards
73. Part Q64 Replacement
74. DF Loop Antenna Assembly D26
75. Tall DF Loop Antenna D18
76. Riding Light Mast
77. Mainmast Top side Yard Supports
78. Bridge Roof Light Mast D15

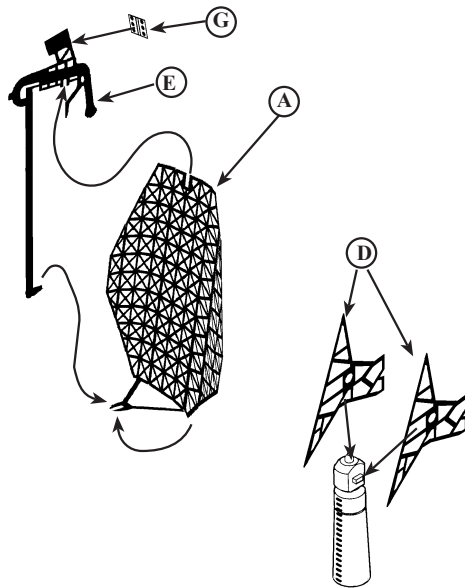
79. 'Pop Group' Director Fittings
80. Signal Gantry Centre Antenna Mast
81. DF Loop Antenna Parts
82. 'Cage Bare' ESM Antennas
83. Mainmast Forward Lower Yards
84. Mainmast Platform Rear Supports
85. Parts Q23 Replacement
86. 'Prim Wheel' Antenna Assembly
87. Ka-27 Helix Helicopter Interior Parts
88. 'V Tube' Antenna End Dipoles
89. 'V Tube' Antenna Foot and Hand Bars
90. 'Pole Star' Antenna Assembly
91. RBV 1000 & 6000 Launcher Actuator Links
92. Motor Boat Fittings
93. Work Boat Fittings
94. 'Pop Art' ESM Antennas
95. Large Cable Reels



## MR600 VOSHKOD 'TOP PAIR' RADAR ANTENNA ASSEMBLY

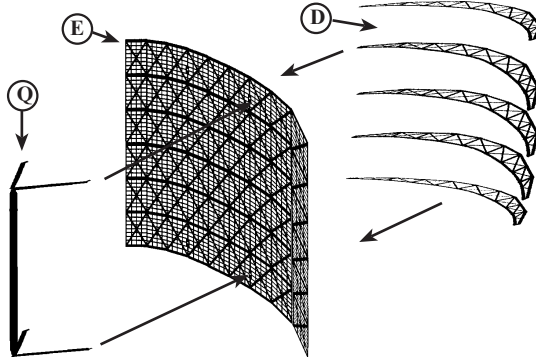
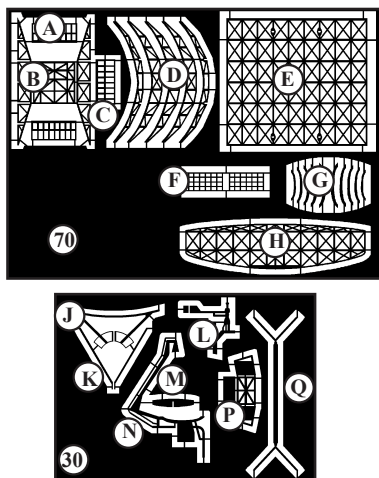


To assemble the Top Pair radar array, first gently curve the photo etched parts 68A and 68D as shown above, then fit the transmitter pole 10B into position on 68A & secure in place. Fit the mounting brackets 68E either side of kit part B30 in place of kit parts B31 & B32 & ensure that they are parallel. Fit the transmitter pole 68C centrally to radar screen 68D, so that the upright part is secured to the back face of the screen. Fit the 2 radar screen assemblies to the mounting brackets so that they are back-to-back on the central spindle, as shown far right. This assembly replaces kit parts B30, B31 & B32, and kit parts S5, S8 or PE7 & PE9 along with part D25.



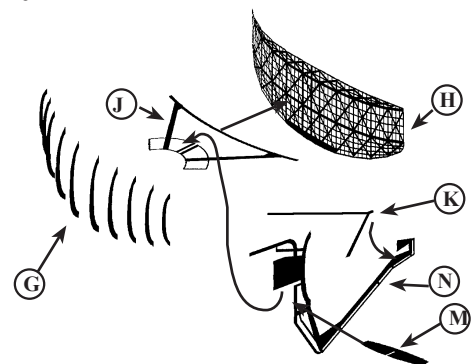
Kit Part B30  
Remove the plastic hook  
from the rear before assembly

## MR700 FREGAT 'TOP STEER' RADAR ASSEMBLY



To assemble the front antenna, first gently curve etched part 70E so that the sides curve forwards as shown. Next fit the back braces, etched parts 70D. These are shaped to hold the screen to the correct curve when fitted. The 2 narrower braces are fitted top & bottom. All the braces are fitted along the thicker main lines on the screen. Next fit the transducer, part 30Q, to the front face of the screen by folding the legs back & horizontal. Fit the lugs on the legs into the small locating holes on the screen.

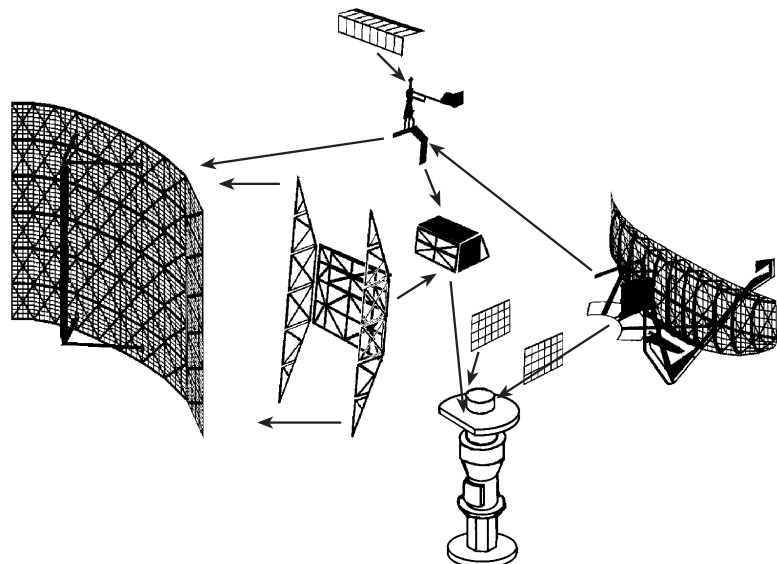
To assemble the rear antenna, first gently curve etched part 70H as shown. Next fit etched part 30J so that the shaped rib fits centrally along the thick line on part 70H. This will hold the curved screen in shape. Fit the backing ribs, etched parts 70G, as shown to the thick vertical lines on part 70H. Note that only the top & bottom feet of these parts should touch the screen. Fit etched part 30N by threading up through part 30J & attaching the plate into the etched groove. There is also a central rib, shaped like the rib parts 70G to attach to the back of the screen.



Thread part 30M through the hole in part 30N & locate the slot around the vertical bar. Fit the 'A' brace part 30K into the transducer probe as shown & attach the legs to the lower edge of the screen part 70H.

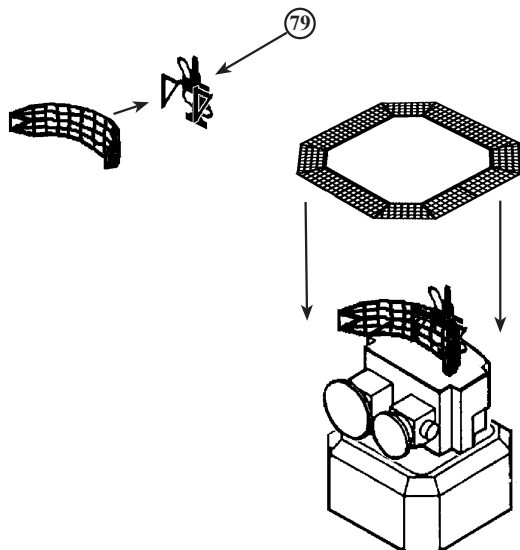


Before the final assembly of the radar array, the mounting post provided in the kit will need to be modified. First remove the moulded plastic hook from the top of kit part D29, then cut off the fore-and-aft facing lugs from the side drum. Cut a circle of 20 thou (.5mm) plastic card to a diameter of 5mm. Cut the top drum from the mounting post & fit the circle of card to the top of the post, then refit the top drum. This now forms a platform. Cut a flat along the front of the platform as shown.



To assemble the "Top Steer" Radar array to the mounting pillar, proceed as follows: First fold etched part 30P to form a box assembly, then fit to the top of the mounting pillar, over the top drum. Fold the sides of etched part 70B up so that they are parallel with each other, taking care not to close the slots in the side frames as these need to be open. Fit this part to etched part 30P as shown, overlaying the patterned section so that they match. This will give the correct positioning. Fit the front antenna assembly centrally to etched part 70B, feeding the back braces into the slots on the side frames. Fit the rear antenna assembly to the mounting pillar by locating the curved etched plate onto the plastic card platform on the pillar. Secure in position. Fit the IFF antenna mounting, etched part 30L, to the top of part 30P so that the upper leg fixes to the back of the front screen & the upper wave guide from the rear screen attaches just below the first angle. Fold the transmitter arm to the side as shown & fold back the end plate. Fold etched part 70C to 90° & fit to the top of part 30L using the thicker line as the attachment point. Fit the side frames, etched parts 70A, between the 2 radar antennas so that they attach to the sides of the footplate. It is advisable to put the complete assembly aside until the superstructure assembly has been completed, then fit last of all.

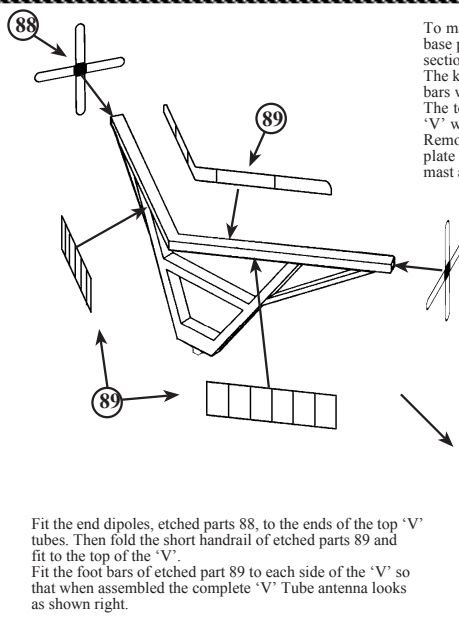
## MPZ-301 'POP GROUP' FIRE CONTROL ANTENNA



Remove the moulded plastic radar antenna from the top of the Pop Group assembly, kit part Q10, leaving the surface clean so that the etched radar assembly can fit in place. Fold the 2 triangular brackets on the mounting part of etched part 79 to 90° so that they are parallel. Gently curve the radar antenna of etched part 79, then fit to the 2 angle brackets on the mounting. Fit assembly in place on top of the director.

Fit the safety nets, to the lower part of the Pop Group mounting. Make 2 of these.

## 'V TUBE' ANTENNA ASSEMBLY

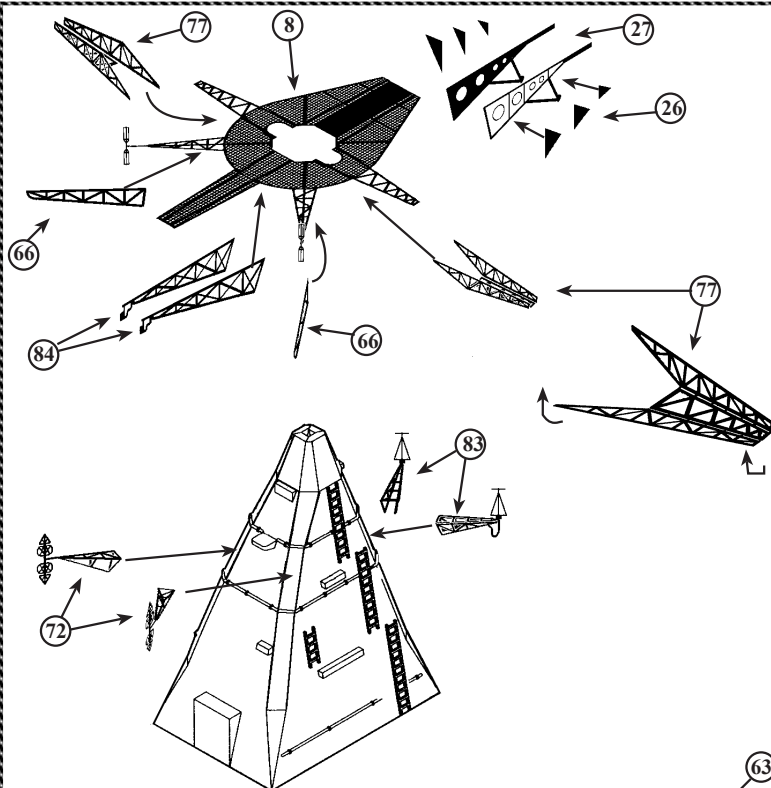


To make a 'V Tube' antenna correctly, use kit part F3 as a base part. The kit part comes with the framework as square section bars whilst in reality these were round-section tubes. The kit part can be rounded off by taking the corners off the bars with a jewellers file, then smoothing the surfaces after. The top V bar should have a break right at the point of the 'V' with the two ends being tapered as they come together. Remove the locating lug from the bottom of the mounting plate if this antenna is to be fitted to the etched metal top mast assembly.

Fit the end dipoles, etched parts 88, to the ends of the top 'V' tubes. Then fold the short handrail of etched parts 89 and fit to the top of the 'V'.

Fit the foot bars of etched part 89 to each side of the 'V' so that when assembled the complete 'V' Tube antenna looks as shown right.

## MAINMAST YARDARMS & SENSORS (EARLY FIT)



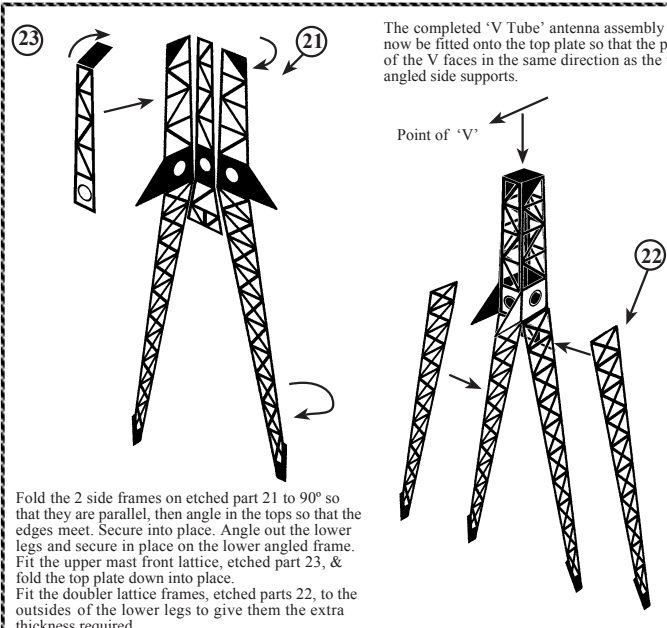
Etched part 8 directly replaces kit part D32 & should have the rectangular extension plate removed if the kit is being modeled in an early fit. For a late-fit assembly see the diagrams on the next page. Fit the platform to the raised plastic bars on the mainmast as shown in the kit instructions.

Fold the side yardarm supports, etched parts 77 so that the side frames are at 90° & parallel with each other. Fit to the undersides of the side yardarms as shown. Fit supports 66 and 84 to the undersides of the quarter yards & aft platform extension on the relief-etched locating lines provided. Fit the platform front supports 27 to the underside of the platform on the etched lines, not the rectangular walkway, so that the bracing bars protrude beyond the edge of the platform. Fit the small fillets 26 to the sides of the supports as shown above.

Fold & fit the small ESM antenna yards 72 & 83 to the four corners of the mainmast. Note that the lower support frames of etched parts 72 actually meet in the middle, forming a triangular-sectioned yardarm.

Shape & fit the railings & foot bars, etched parts 63, to the edges of the platform as shown right. Fit the ensign gaff, etched part 32, centrally to the rear of the aft platform extension.

## 'V TUBE' MAST & PLATFORM SUPPORT (EARLY FIT)

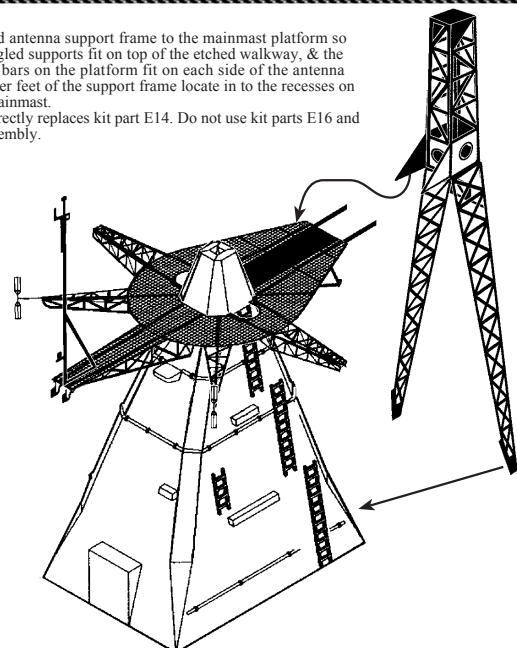


The completed 'V Tube' antenna assembly may now be fitted onto the top plate so that the point of the V faces in the same direction as the two angled side supports.

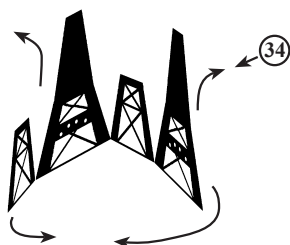
Fold the 2 side frames on etched part 21 to 90° so that they are parallel, then angle in the tops so that the edges meet. Secure into place. Angle out the lower legs and secure in place on the lower angled frame. Fit the upper mast front lattice, etched part 23, & fold the top plate down into place. Fit the doubler lattice frames, etched parts 22, to the outsides of the lower legs to give them the extra thickness required.

## MAINMAST PLATFORM ASSEMBLY (EARLY FIT)

Fit the assembled antenna support frame to the mainmast platform so that the small angled supports fit on top of the etched walkway, & the forward bracing bars on the platform fit on each side of the antenna support. The lower feet of the support frame locate in to the recesses on the base of the mainmast. This assembly directly replaces kit part E14. Do not use kit parts E16 and E17 with this assembly.

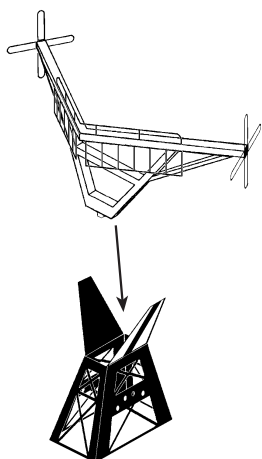


## 'V TUBE' ANTENNA MAST (LATE FIT)

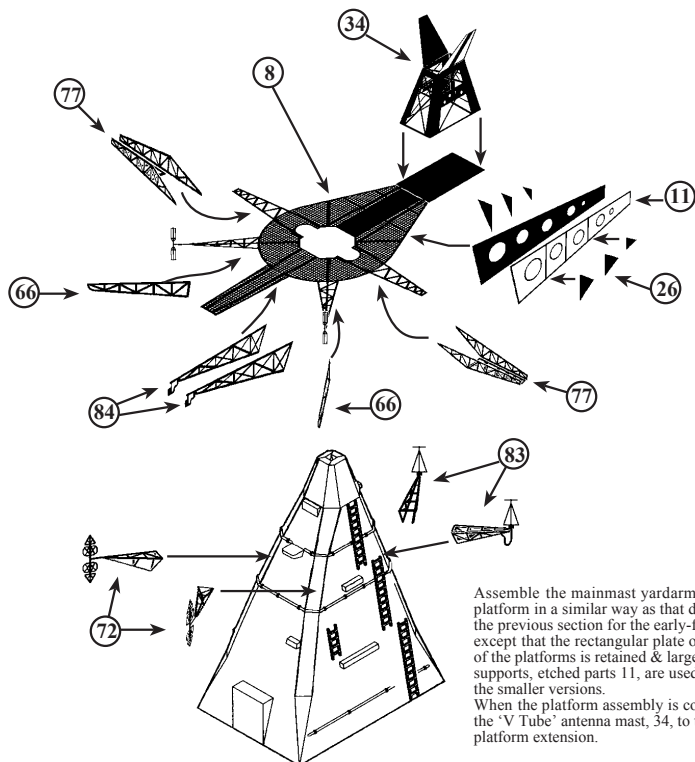


If the later fit of *Kirov* associated with the fleet number of 092 is to be modeled, use the following parts on the mainmast. Firstly the 'V Tube' antenna was fitted in to a more substantial mast as shown here.

Fold etched part 34 around, to make a box sectioned lattice, with 2 long sides & 2 short fore-and-aft panels.  
Angle the lower panels together so that the edges meet & secure into place.  
Angle 2 top side panels outwards to take the shape of the lower frame on the 'V Tube'.  
Fit the 'V Tube' antenna into place as shown.

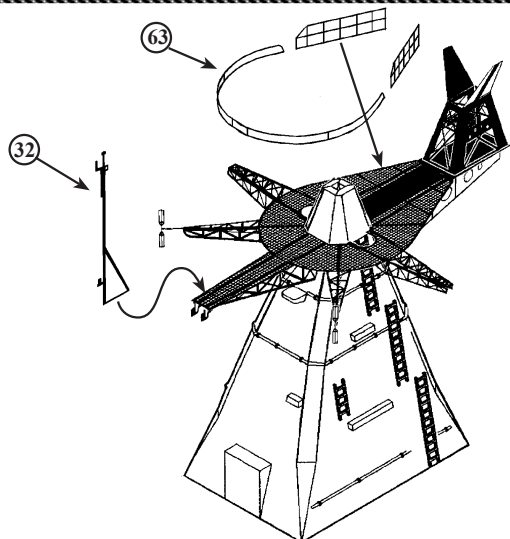


## MAINMAST YARDARM & SENSOR SUPPORTS (LATE FIT)



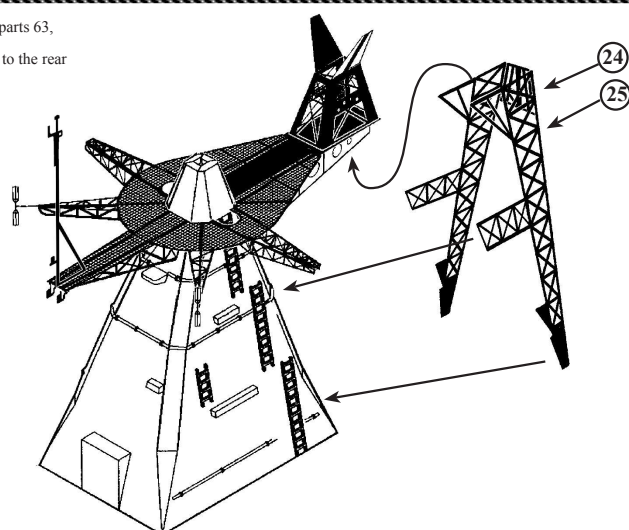
Assemble the mainmast yardarms & top platform in a similar way as that described in the previous section for the early-fit platform, except that the rectangular plate on the front of the platforms is retained & larger forward supports, etched parts 11, are used instead of the smaller versions.  
When the platform assembly is complete, fit the 'V Tube' antenna mast, 34, to the forward platform extension.

## MAINMAST TOP PLATFORM ASSEMBLY (LATE FIT)



Shape & fit the railings & foot bars, etched parts 63, to the edges of the platform as shown left.  
Fit the ensign gaff, etched part 32, centrally to the rear of the aft platform extension.

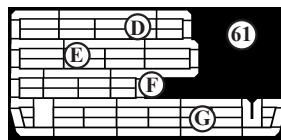
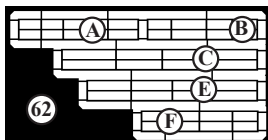
Assemble the 'V Tube' antenna mast support, etched parts 24 and 25, in the same manner as that used on the earlier version.  
Fit this assembly into place by locating the top angled supports centrally under the forward platform extension so that it fits in between the platform supports etched parts 11. The feet of the lattice legs locate into the recesses at the base of the mainmast & the middle section lattice frames locate onto the front panel of the mainmast.



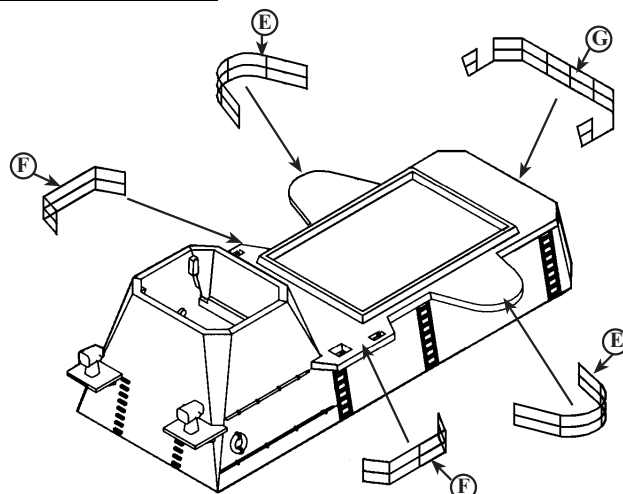
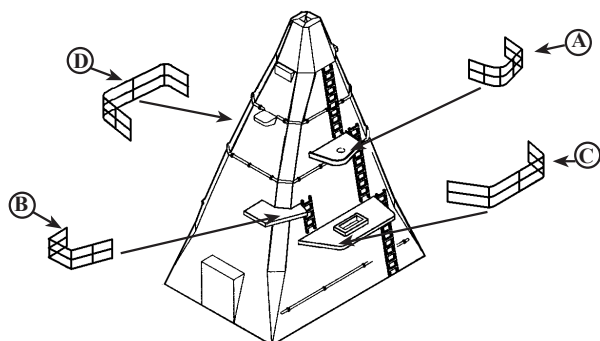
## MAINMAST SIDE PLATFORM RAILINGS

Fold the sections of railings provided in etched parts 61 & 62 to the shapes appropriate to take up the shape of the platform for which they are designated. When the railings are shaped correctly, stanchions will be positioned as corner posts & on the centres of curvatures.

Fit the railings, etched parts 62, shown to the mainmast platforms assembled as shown below.

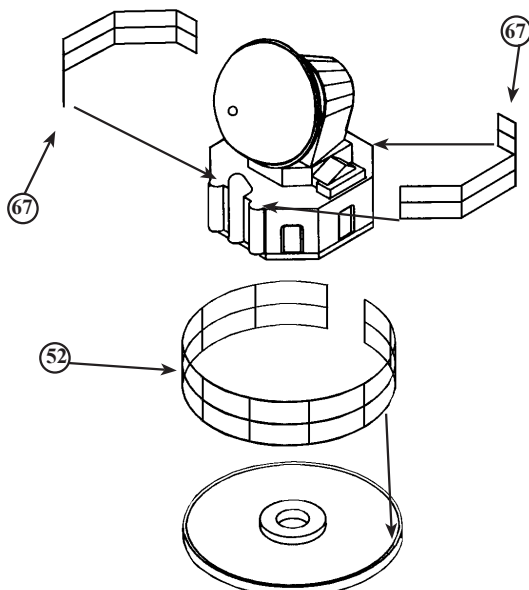


Fit the railings, etched parts 61, shown here to the platforms & deck edges of the upper aft super-structure assembly, onto which the mainmast is fitted.



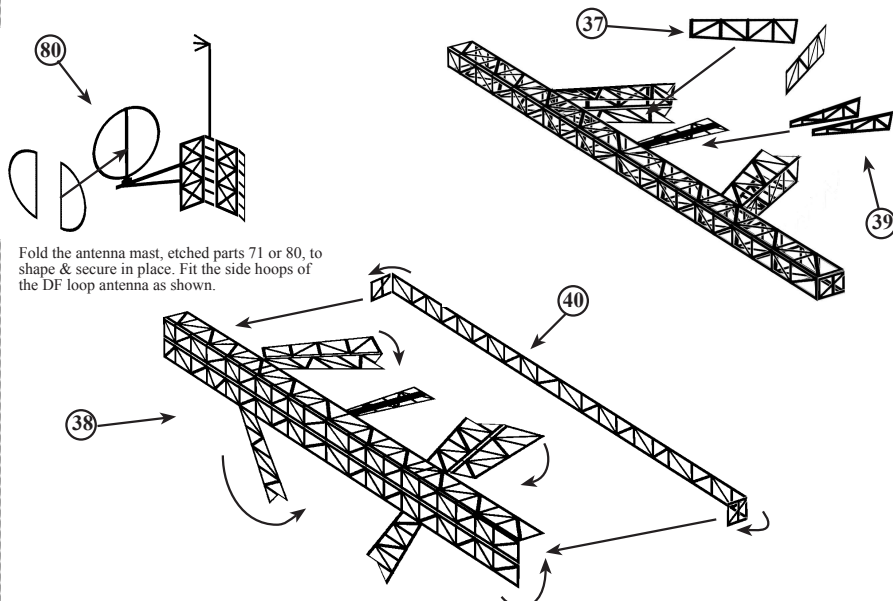


## VOLNA 'TOP DOME' FIRE CONTROL



Shape and fit the 'Top Dome' body railings, etched parts 67, so that the stanchions are positioned on each corner.  
Gently curve the platform railing, etched part 52, & fit to the edge of platform, kit part D4 so that there is a gap for ladder access directly to the rear.

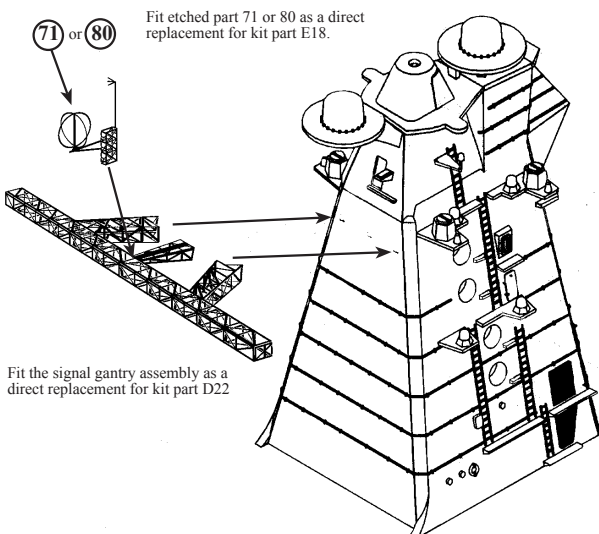
## SIGNALS GANTRY ASSEMBLY



Fold the antenna mast, etched parts 71 or 80, to shape & secure in place. Fit the side hoops of the DF loop antenna as shown.

Fold the long lengths of lattice sections of etched part 38 around so that it forms a top, front & bottom. Fit the rear lattice section, etched part 40, to the edges of the top and bottom long lattices. Fold the ends to 90° to close off the box section. Fold the outer support frames down to 90° & secure in place. Fit the inner support frames, etched parts 37, so that they are parallel to the outsides. Fit the central walkway supports, etched parts 39, to the undersides of the catwalk.

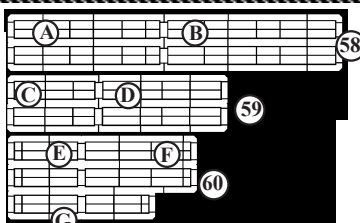
## FOREMAST/MACK ASSEMBLY & PLATFORM RAILINGS



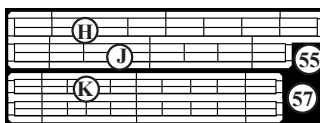
Fit etched part 71 or 80 as a direct replacement for kit part E18.

Fit the signal gantry assembly as a direct replacement for kit part D22

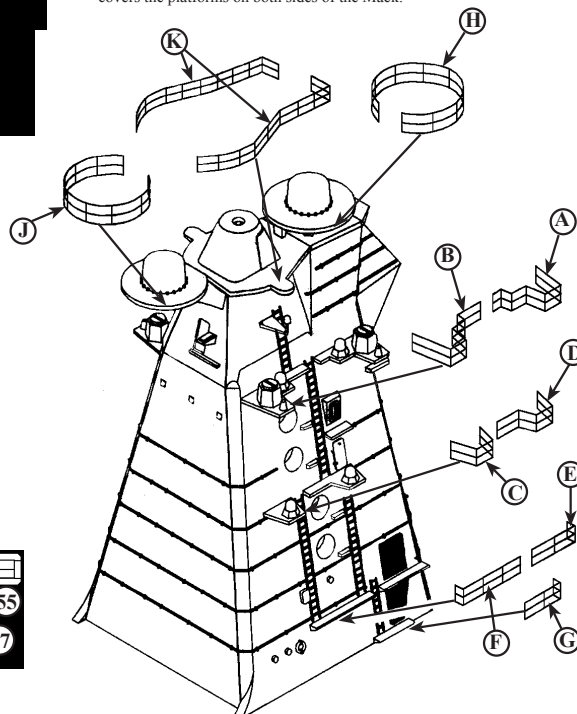
NOTE: A choice of antenna masts has been given in the form of etched parts 71 or 80. Some doubt as to whether 71 was just a temporary mast in wait of its DF antenna occurs, but to be safe it is recommended that etched part 80 be used.



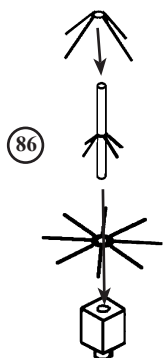
Shape & fit the etched railings 55 and 57 to fit the foremast top platform & the circular 'Roundhouse' sensor platforms.



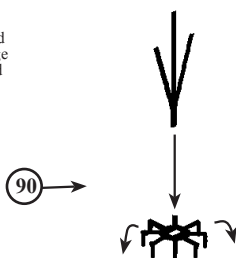
Fold the etched railings 58, 59 & 60 to the shape that will fit them to the edges of the foremast/Mack platforms shown below. Each railing is sub-grouped because the forward platforms are very slightly different from the aft platforms. There are 2 sets of railings for each item number, which covers the platforms on both sides of the Mack.



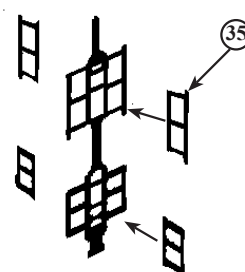
## SMALL ANTENNA ASSEMBLIES



To assemble the "Prim Wheel" array, first cut a 6mm length of 10 thou plastic rod or stretched sprue & fit the small antenna to the centre of the rod as shown. Fold the legs so that they are angled down. Fit the rod into rectangular plastic strip passing through the large antenna. Fit the medium antenna to the top of the rod as shown. Fit to forebridge deck. Research will be required to establish the correct position of these antennas.

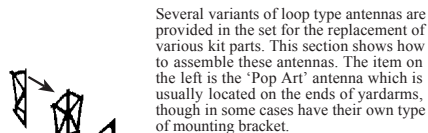


Fold down the tips of the dipoles on the star antenna, etched part 90, to 90°  
Make as many of these antennas as required for the ends of yardarms and pole antennas that research dictates are required.



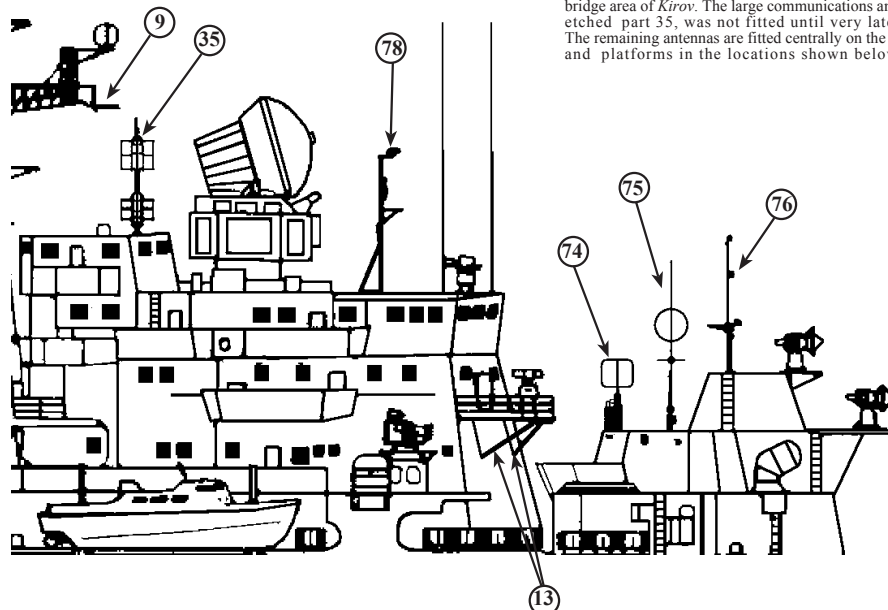
Assemble the side dipoles of the comms antenna so that they are at 90° to the main section as shown above.  
This assembly is not fitted to *Admiral Ushakov* (ex-Kirov) until very late on, so may be fitted if desired.

## DF ANTENNA ASSEMBLY



The item shown above is a standard loop-type DF antenna. Some of these can also be in rectangular form, but are basically the same. The antenna shown above is assembled as shown & may be mounted on its own platform, angled brackets or even on top of a pole mast.

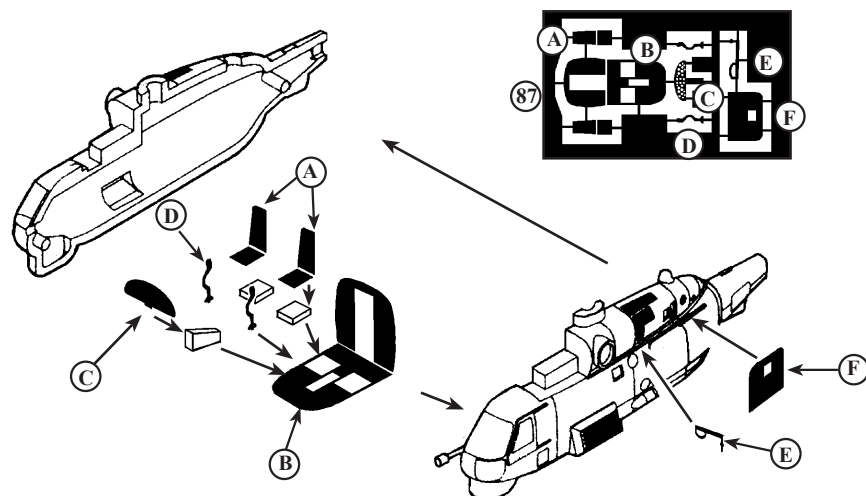
## BRIDGE ANTENNA LOCATIONS



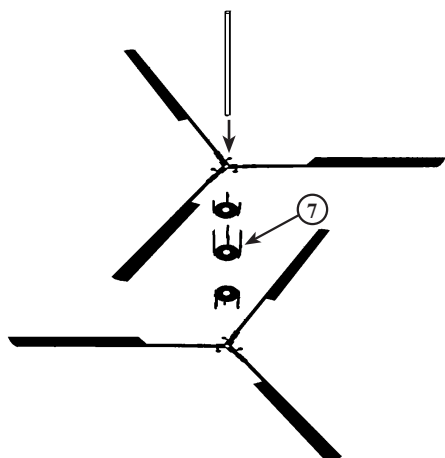
The diagram below shows a starboard side profile of the bridge area of *Kirov*. The large communications antenna, etched part 35, was not fitted until very late. The remaining antennas are fitted centrally on the decks and platforms in the locations shown below.

Fit the 'Tin Man' platform support brackets in pairs underneath each of the bridge front platforms.

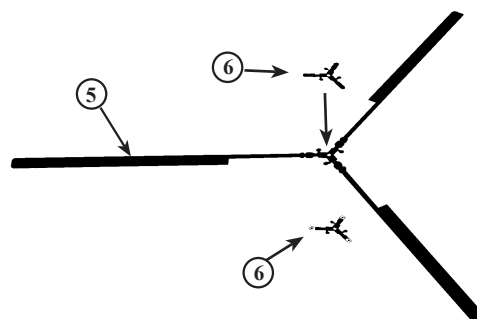
## KAMOV Ka-27 HELICOPTER ASSEMBLY



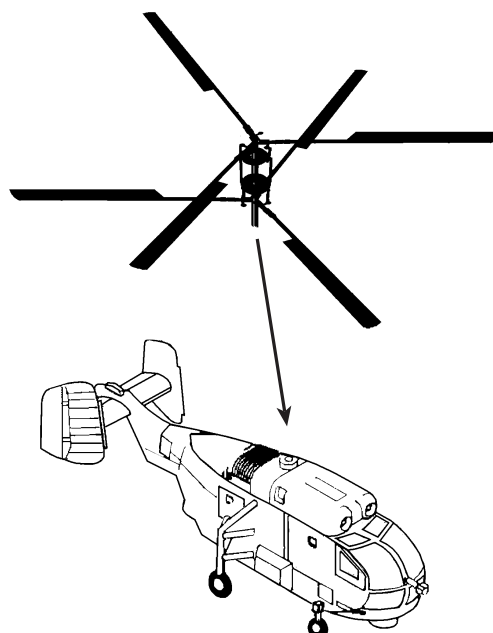
It is recommended that the non-transparent areas of the interior be painted medium grey before assembly. Fold the cabin bulkhead up to 90° to the floor. Cut out seat boosters from .5mm plasticard & cement to the square etchings in the floor pan. Assemble the seats to the boosters as shown. Fit the control sticks to the cabin floor directly in front of each seat. Cut & shape a centre console out of plasticard, then attach the pilot's instrument panel to the centre console as shown. Fit the centre console to the rectangular etching on the cabin floor. If the helicopter is to be modelled with the sliding door open, remove the moulded plastic door from the kit part completely & replace with the etched door in the open position. Fit rescue winch to the upper front of the door opening.



Cut an 11mm length of .5mm plastic rod or brass wire & thread the first set of rotors through. Fit parts 7 as shown with the longer-legged link in the centre, folding the control rods to 90° & attaching them to the linkages. Fit the second set of rotors over the centre spindle, ensuring that the direction of rotation is opposite to the first set.



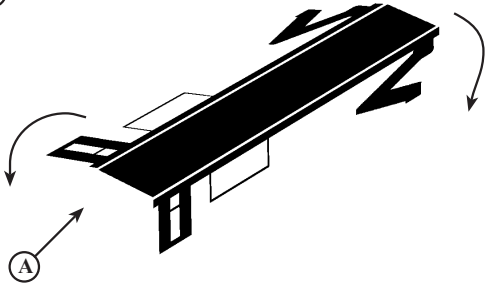
Assemble the helicopter rotor head as shown by first fitting the rotor blades 5 between the hub plates 6 & securing into position. Drill through the centre hole with a .5mm drill bit. If the rotors on the model are to be in the folded position, carry out the same assembly procedure only use etched parts 4 instead of 5.



Fit completed rotor assembly to the fuselage as shown above. If it is desired to model the helicopter with its rotors folded as it would be stowed in the hangar, then fit the folded rotor blades 4 instead of spread blades 5. Assemble to the rotor hub assembly in the same way as described previously & fit to fuselage with the rotor blades pointing over the tailplane.

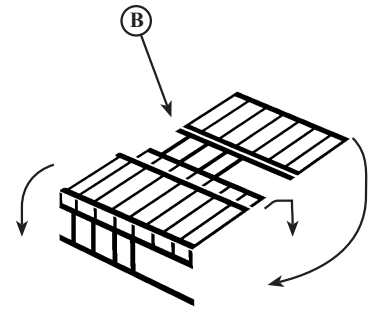
## MISSILE LOADING GANTRY ASSEMBLY

33

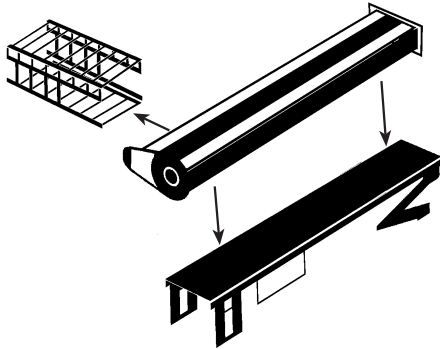


Fold the sides of etched part 33A down to 90° so that they are parallel.

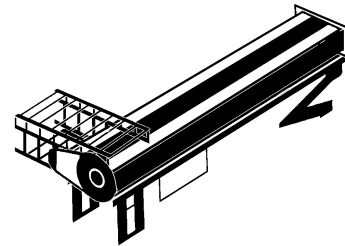
Fold etched parts 33C & 33D in half so that they become double-thickness with the relief etch outermost.  
Fold etched part 33E over on itself to form a rectangular box. Fix the mating edges together.  
Fit 33C & 33D to each end as shown below.



Fold etched part 33B over on itself along the relief etched fold lines to form a closed cage assembly. Secure the mating edges together.

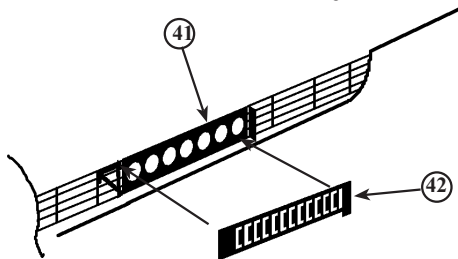


Fit the assembly etched part 33B over the narrow edge of 33E as shown left & secure in place. Fit this assembly onto the top of etched part 33A. The resulting assembly should appear as in the diagram on the right.



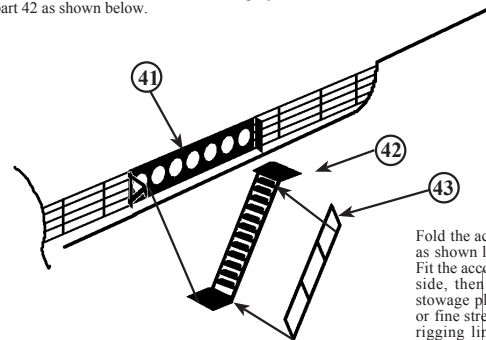
## ACCOMMODATION LADDER ASSEMBLY

The accommodation ladders fitted lately to the ships of the class are placed on each side of the fantail just aft of the hull step. First fold the end plate on etched part 41 to 90°, then fit to the deck edge. Fit 4-bar railing, etched parts 56, to the fore and aft ends of the this ladder stowage.



If the accommodation ladder is to be fitted in the stowed position, fit etched part 42 directly into the stowage as shown.

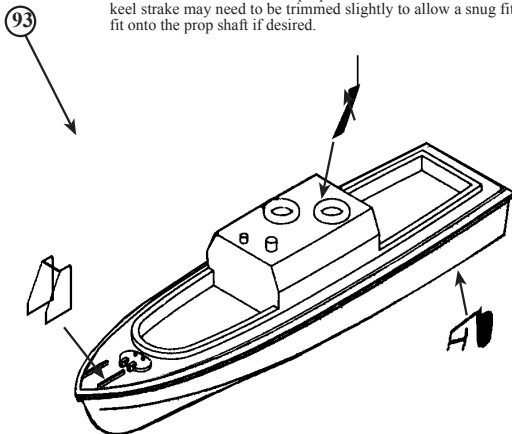
If the accommodation ladder is to be deployed, fit etched part 42 as shown below.



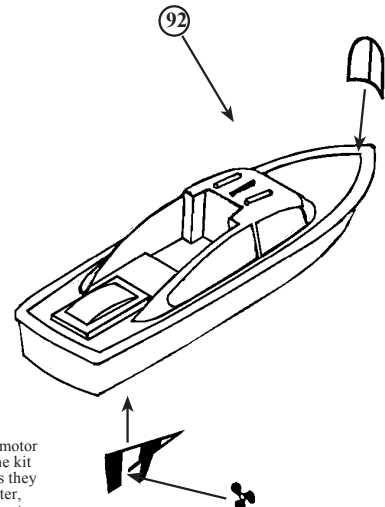
Fold the accommodation ladder to shape as shown left, then fit the side handrail. Fit the accommodation ladder to the ship's side, then fold out the davit from the stowage plate to 90°. A length of thread or fine stretched sprue may be used as a rigging line between the davit & the lower landing.

## WORK BOAT & MOTOR BOAT DETAILS

This etched set is provided with fittings for two large work boats, etched parts 93, for kit parts Q3 and Q4. Fold & fit the forward handrails to the foc'sle as shown. Fit the signal mast to the cabin roof. Fit the rudder/propeller shaft combination to the underside of the rear hull. The keel strake may need to be trimmed slightly to allow a snug fit. A propeller is also provided to fit onto the prop shaft if desired.

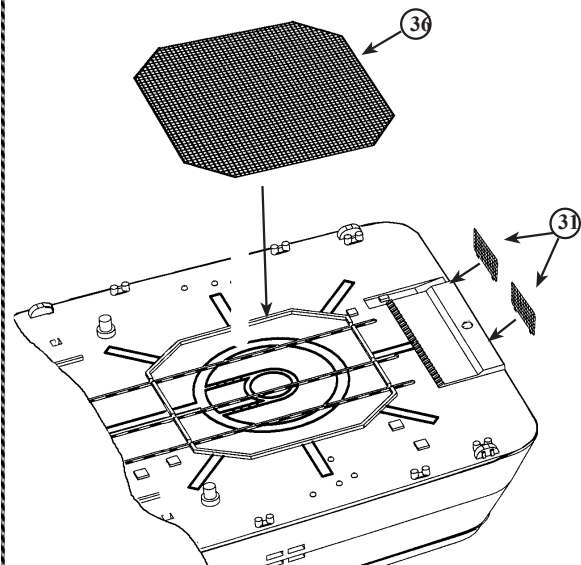


Etched parts 92 provide the fittings for the motor boats supplied in the kit. Unfortunately the kit parts are for the same sized boats, whereas they should be one large & one small. No matter, as the etched parts will fit both sizes of boat.



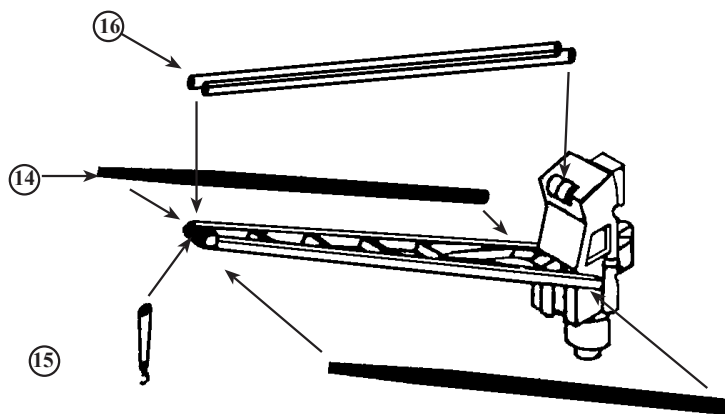


## FLIGHT DECK FITTINGS



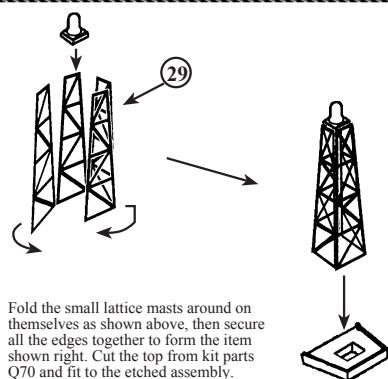
Fit the flight deck helicopter restraint net into position after painting operations are completed, using the raised moulding as the attachment point.

## MAIN BOAT CRANE ASSEMBLY



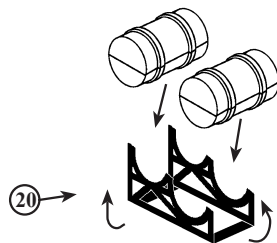
Assemble the boat cranes using kit parts Q13, Q14 & Q16 as per kit instructions, then fit the etched parts provided as additional parts. Cut slots into the outer end of the jibs where the pulley wheels are, & also on top of the cab. Fit the etched rigging lines, parts 16, so that the rounded ends fit into the slots. Cut an additional slot in the end of the jib for the crane hook.  
Fit the large stiffener plates, parts 14, to the outside edges of the crane jib.

## ANTENNA MAST ASSEMBLY



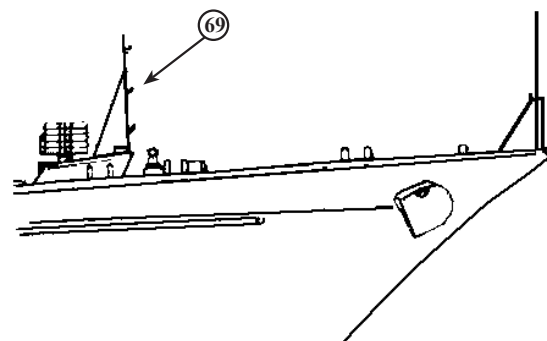
Fold the small lattice masts around on themselves as shown above, then secure all the edges together to form the item shown right. Cut the top from kit parts Q70 and fit to the etched assembly. Fit the completed items in place of kit parts Q70.

## LIFERAFT RACKS



Fold the sides of the life raft racks, etched parts 20 and 44, to 90° as shown above. Cut the individual life raft canisters from kit parts Q19, Q20, Q51, Q52 & Q53 & fit to the etched racks. These may now be fitted into the places on the main deck & 01 deck that would have been occupied by the kit parts.

## FOC'SLE FITTINGS



Fit the forward riding light mast, etched part 69, to the position shown above.

## OTHER INSTRUCTIONS

1. A combination of railings has been supplied to fit to various deck edges & platforms throughout the ship. Some of these have been tailored to fit small & awkward-shaped platforms & areas, whilst others are stock length that may be cut & shaped to suit. The tailored-to-fit railings are the foc'sle deck edge railings, etched parts 51, that run aft from the jackstaff to the forward hull break. The three etched parts 54 continue round the missile launcher well, from & to the inclined ladders. Etched parts 56 fit to the sides of the quarterdeck/fantail with the short curved sections fitting forward of the accommodation ladders. The large sections go aft & round the stern to almost meet the flight deck safety nets. The remaining tailored-fit railings are covered in previous sections of these instructions. The stock railings are as follows: Etched parts 45 provide lengths of 4-bar railing for the edges of the main deck. Etched parts 46 are 3-bar railing for the edges of well decks & larger superstructure decks. Etched parts 47 are high 2-bar railings for mast platforms & director platforms. Etched parts 48 & 49 are low 2-bar railings for director & gun platforms as well as some radar antenna platforms. Etched parts 50 are hand rails that go around the superstructure sides & bulkheads. The molded-on plastic items would have to be removed first & the area smoothed before fitting.
2. Sufficient anchor chain has been provided to allow for the model to be set at anchor in a waterline diorama, with the chain streamed out from the hawsepipes to the surface of the water or a mooring buoy.
3. Ladders, both vertical & inclined, have been supplied to replace those provided in the kit. The inclined ladders are listed in the beginning of these instructions along with the kit parts that they directly replace. The vertical ladders, etched parts 2 & 3, are stock items that will have to be cut to length to fit. The kit parts are raised moldings on the sides & bulkheads of the superstructure & masts, & these will need to be removed first & the surface smoothed before fitting the etched items.
4. Etched parts 12 are the propeller guards that fit on the ship's side at the stern quarters. These are molded plastic lumps on the kit but the shape is basically correct. Fold the etched items to take the shape of the parts they are to replace, then remove the plastic items from the hull sides. Fit the etched parts in their place.
5. The ship's name has been provided in 2 different formats for those with differing skills. Etched parts 53 are relief-etched plates that can be fixed directly into place on the stern quarters as shown on the kit colour guide, & then painted over with hull colour. The raised letters can then be painted in golden yellow. Etched parts 28 are fully-etched individual letters that are fixed singly to the stern quarters to make up the ship's name. As before, these are then painted golden yellow.
6. Unfortunately there are no specific references to this class of ship as yet, but a trawl of the Internet will reveal numerous photographs both in colour and black & white. <http://www.navsource.narod.ru/02.html#223> is one such site that has a good selection under project 1144 and 1144.2 sections.

### General Instructions for working with Photoetched Metal

1. Do not remove the etched parts from the fret until you are ready to use them.
2. Before assembly, soak the etched parts in a suitable solvent, such as white spirit, to de-grease the surfaces for painting.
3. Cyanoacrylate adhesive (super glue) or contact adhesive such as Elmers white glue may be used. These can be applied with a pin or piece of stretched sprue.
4. When removing parts from the fret, place the fret on a hard surface, such as a smooth ceramic tile, in order to prevent parts bending whilst cutting through the holding tabs. We suggest using a #11 type of modelling knife blade for this purpose.
5. When shaping or bending a part, a straight edged blade such as a chisel blade #17 or #18 will give a good sharp corner, or alternatively a small pair of smooth jawed pliers may be used.
6. If a part is bent incorrectly, lay it on a hard flat surface and roll it flat with a cylindrical object such as a modelling knife handle.
7. We suggested that rails are pre-measured, where practical, using a pair of compass dividers & then tacked to the deck edge every third or fourth stanchion with a small drop of glue. When a section is complete, run a thin line of glue along the inside edge to attach it firmly to the deck.