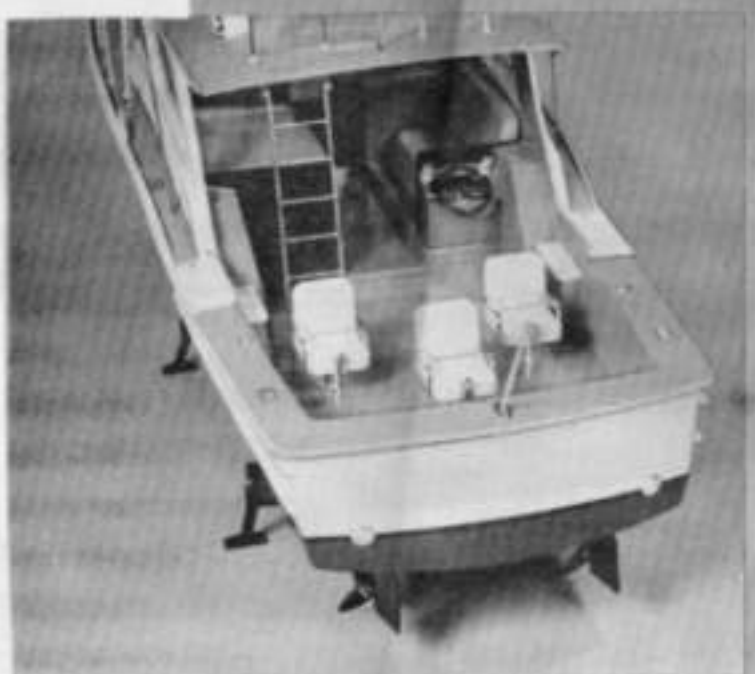
ASSEMBLY PLANS FOR THE ..... Chris-Craft KIT NO. 811M

40' SPORT FISHERMAN



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SPECIFICATIONS

Sleeping Capacity	5
Beam	13'1½"
Draft	3'6½"
Freeboard, forward	7'0"
Freeboard, aft	3'8½"
Headroom	6'¼"
Bottom, double-planked (Philippine Mahogany outer planking)	1¼"
Battens, Philippine Mahogany	⅞"x 1¼"
Frames, Philippine Mahogany	Sides, 1¼"x 3½" Bottom, 1¼"x 4"
Hull Sides, batten-seamed Philippine Mahogany	¾"
Forward Deck	Canvas covered, painted
Side and Stern Decks	Teak
Cockpit Floor	Teak
Fuel Capacity, gallons	250
Fresh Water Capacity, gallons	75
Electrical System	12-volt

STANDARD EQUIPMENT

Alcohol Stove, 2-burner • Anchor • Anchor Light • Anchor Line Bell • Bilge Blower • Bilge Pump • Bow Rail with Light and Pennant Chocks • Cleats • Curtains, side and aft for hardtop • Dinette • Dish Lockers • Dock Lines • Electric Horns • Electric Lights • Fire Extinguishers • Forward Hatches, ventilating • Foam Cushions • Foam Mattresses • Freeing Ports • Fresh-Water System • Fuel-Measuring Stick • Handrails, on fishing bridge and ladder • Handrails and Stanchions on forward deck • Icebox • International Navigation Lights Ladder, cockpit to bridge • Life Preservers • Limber Chain • Lounge Mirrors • Mooring Bitt • Mufflers • Rope Deck Pipe • Portlight Screens and Drapes • Stainless Steel Sink, galley • Stern Pole and Ensign Stripping Cradle • Toilets with Seacocks • Tools • Ventilators Ventilating Windshield • Wash Basins, stainless steel • Wardrobes.

LINDBERG PRODUCTS INC. SKOKIE, ILLINOIS

PRINTED IN U.S.A.

Before Assembling Model Read Notes Below

IDENTIFYING PARTS

All parts are identified by a number appearing on the inside of the part, or on a tab near the part. DO NOT break parts off of the runners until they are to be used. In addition, following the part numbers in the instruction sheet, you will find a letter. The letters are W for white, B **for white,** M for mahogany and C for chrome plated parts. Compare the parts against the ones shown in the photos before cementing parts in place.

APPLYING CEMENT

Do not use too much cement when joining parts together. If too much cement is used it may soften and distort the plastic parts. Be especially careful when applying cement to the thin edges on some of the formed plastic parts. When plated parts are to be cemented to the model, the plating *must* be scraped away to expose the plastic under the plating. Cement will not hold the plated parts unless plating is scraped away.

SPORT FISHERMAN
KIT NO. 811M

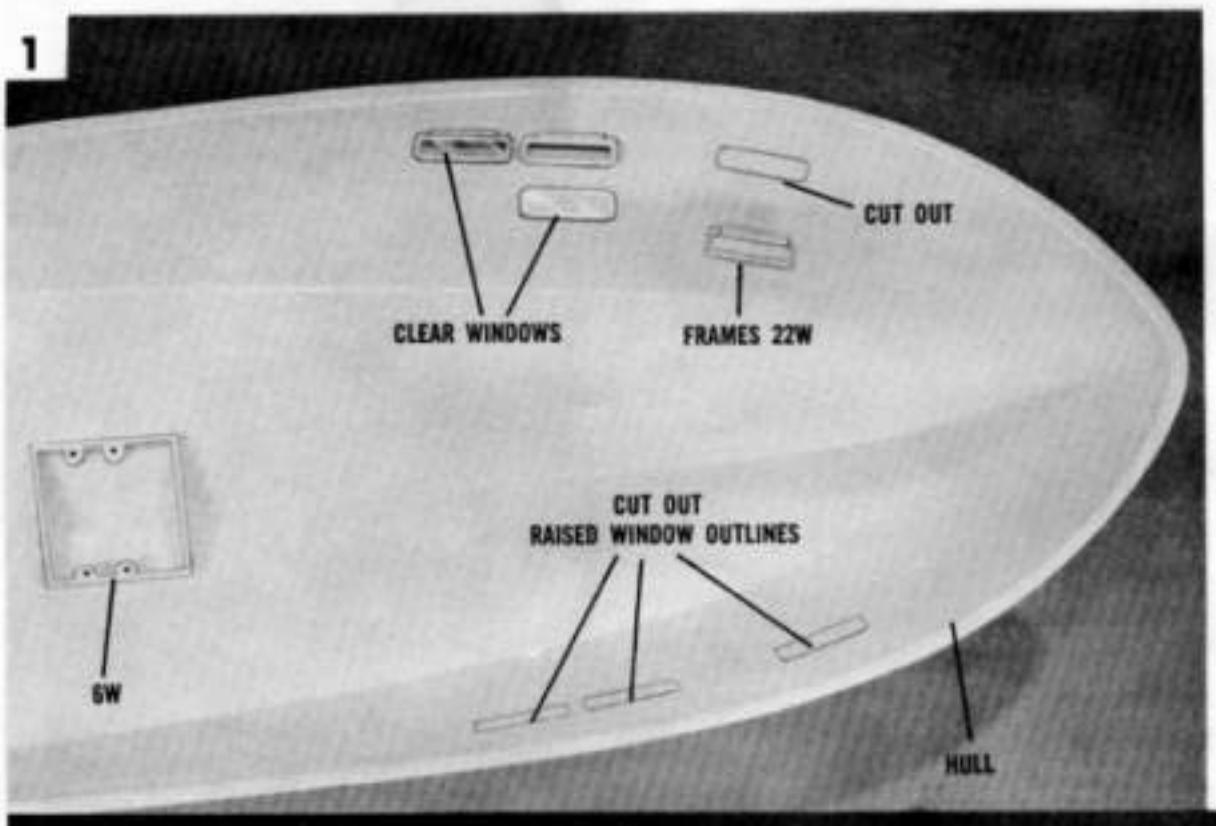
NOTE: MANY OF THE RADIO CONTROL UNITS AVAILABLE TODAY MAY BE USED TO CONTROL THIS MODEL. DUE TO THE VARIED WAYS THAT RADIO CONTROL UNITS ARE INSTALLED IN MODELS, WE SUGGEST FOLLOWING THE INSTALLATION AS RECOMMENDED BY THE MANUFACTURER OF THE RADIO CONTROL UNIT YOU WILL BE USING.

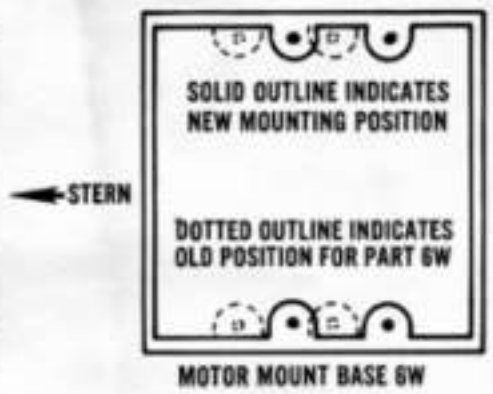
FITTING PARTS

Pre-fit all parts before cementing parts in place. If parts must be trimmed for proper fit, trim the part first then cement part in place.

PAINTING PARTS

NOTE: For best results when painting this model we recommend the use of TESTOR'S SPRAY PLA paints. NOTE: To properly prepare the surfaces for painting wipe thoroughly with a cloth soaked in RUBBING ALCOHOL. IMPORTANT: *DO NOT* attempt to use any lacquer thinners to clean the surfaces, use *ONLY* RUBBING ALCOHOL. NOTE: TESTOR'S SPRAY PLA paints are available at your local hobby shop, follow instructions on label of spray can.





IMPORTANT ASSEMBLY CHANGE PLEASE READ

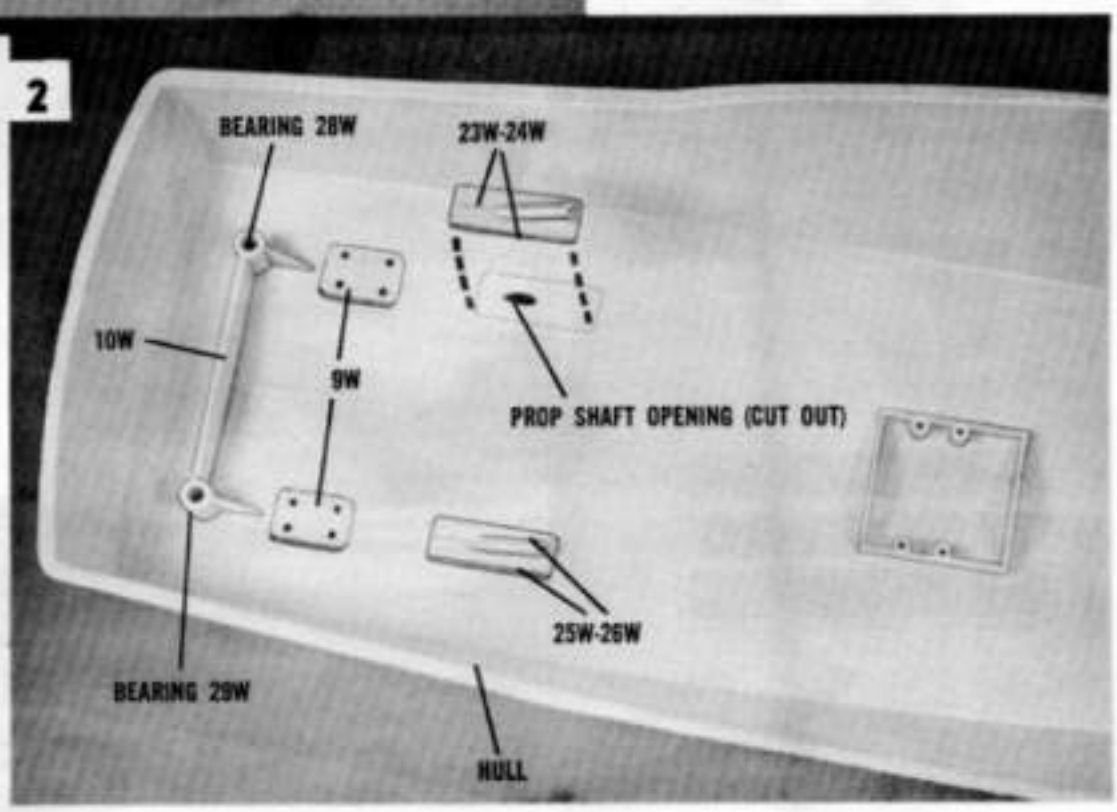
NOTE: A new electric motor is being used with this kit, and a few changes have been made. New motor mounts must be used in STEP 16. In STEP 1, part 6W MUST be turned around as shown in the sketch. DO NOT cement part 6W into the hull as the outline indicates—(turn the part around first). If part 6W is cemented into the hull without turning it around, the motor cannot be installed correctly.

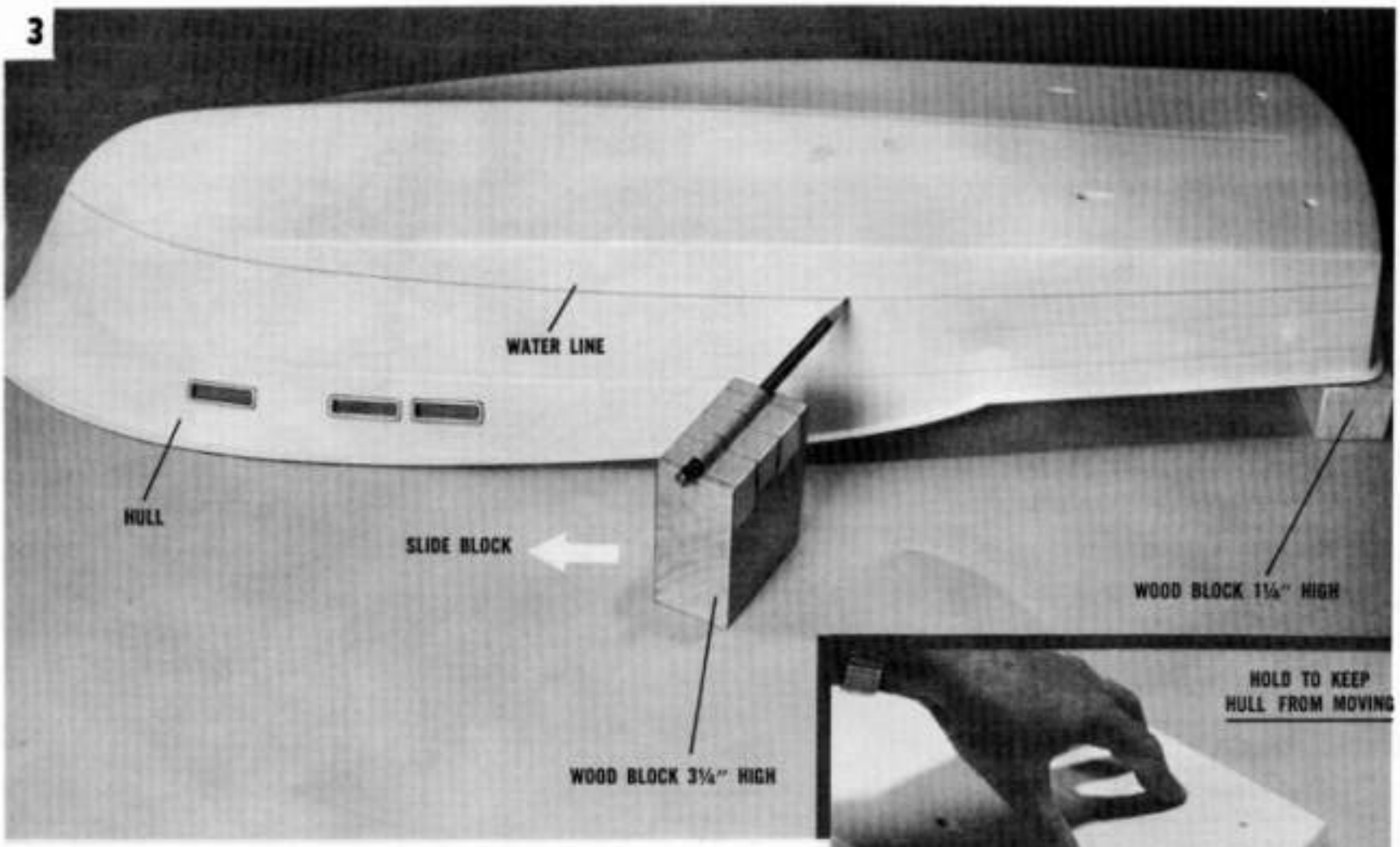
1 BOW WINDOWS INSTALLATION

Cut out window openings in the hull as shown in the photo. NOTE—Use the raised outlines for your cutting guide. Next cement window frames 22W into the openings from inside of the hull, then cement the clear windows to the frames. Now cement the motor mount base 6W into the hull.

2 HULL PARTS INSTALLATION

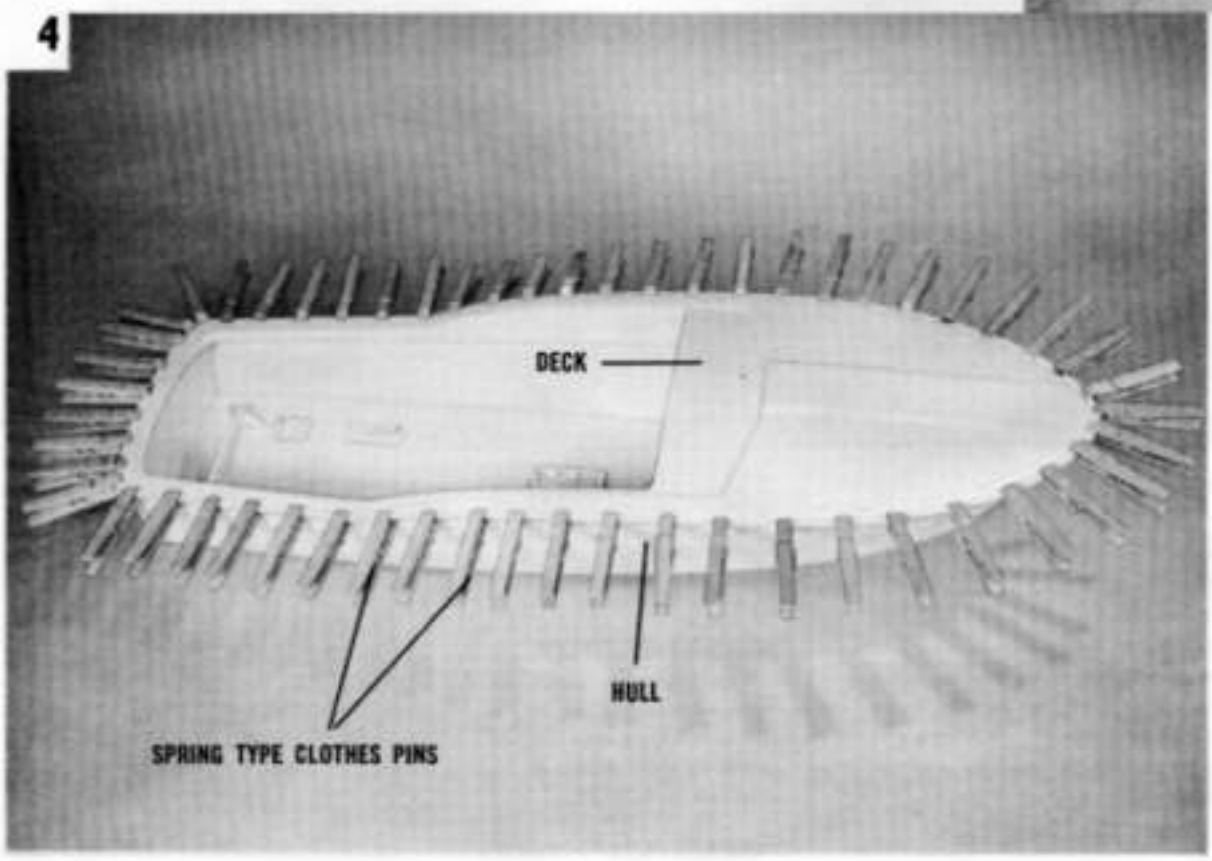
Cut two openings in the hull bottom (see photo) for propeller shaft tubing which fits in place later. Next cement parts 23W-24W together and parts 25W-26W together. Now cement parts into the hull directly over the two openings in the hull bottom. Cement rudder bearings 28W-29W, brace 10W and plates 9W into the hull. NOTE-Rudder bearings fit only one way and *must* be cemented in place as shown in the photo.





3 WATER LINE

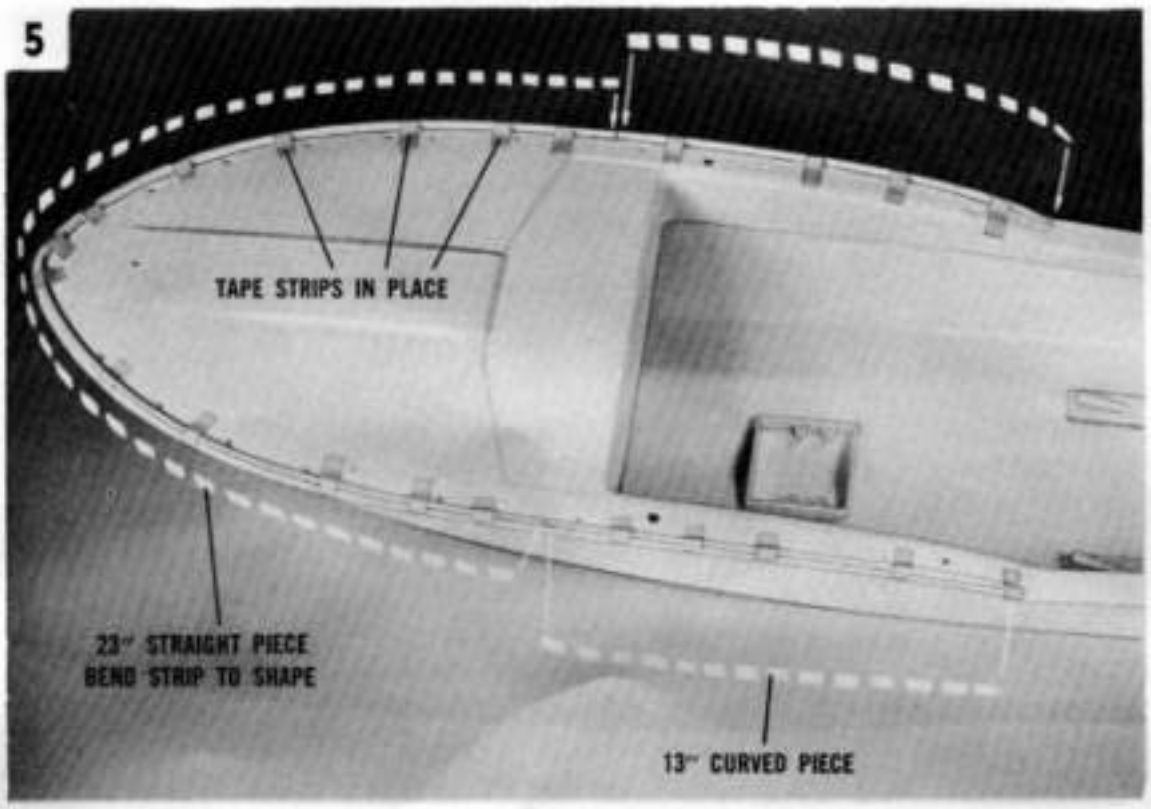
Turn the hull over and lay it on a large flat clear surface such as a table or floor, then prop the back end of the hull up approximately 1¼" with a block of wood. Next get a block of wood approximately 3¼" high and tape a long pencil onto the top of the block (see photo). Now mark a water line all around the hull as shown in the photo. NOTE-Hold the hull down to keep it from moving when marking the water line. Use the water line for a guide when the hull is to be painted.

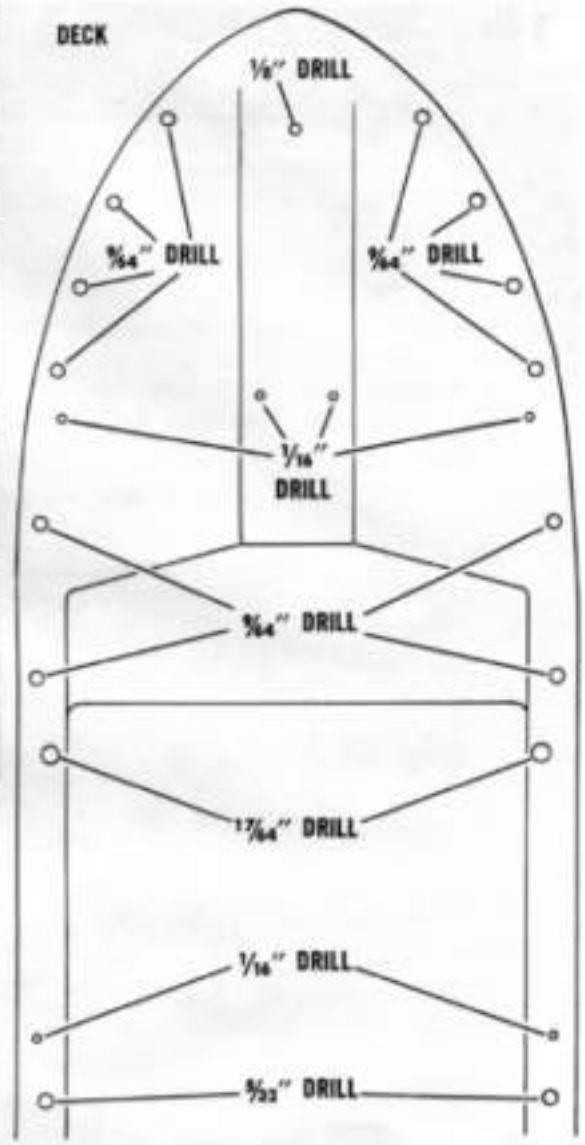


USE CEMENT SPARINGLY FOR BEST APPEARANCE AND STRENGTH OF THE MODEL

4 DECK INSTALLATION

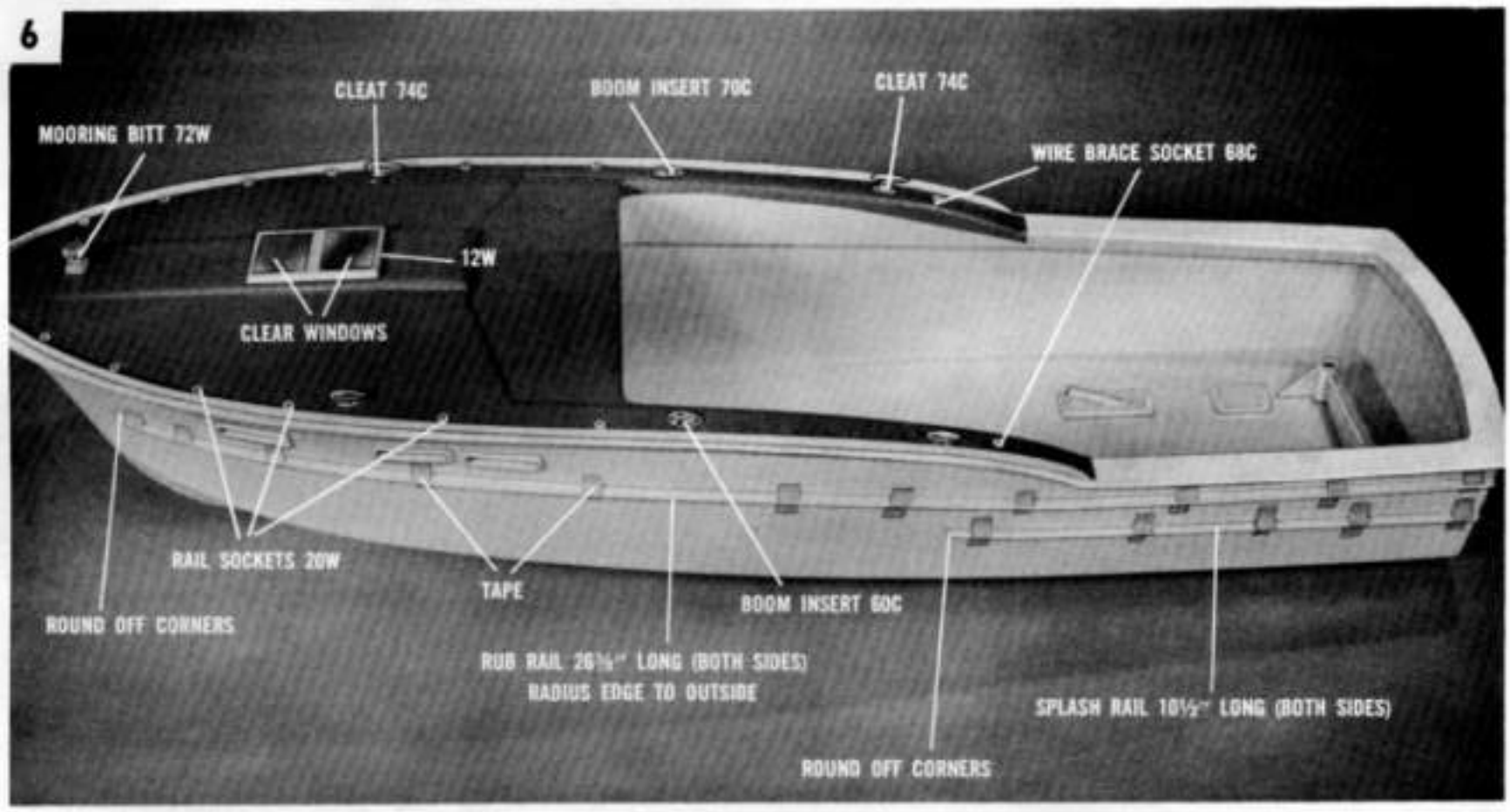
Cement then press and clamp the deck and hull together. NOTE-Spring type clothes pins (wooden ones) make ideal clamps and they can be purchased at most hardware or variety stores. Do not use too much cement when cementing plastic parts together. It is best to let the deck and hull parts dry overnight. When parts have dried, remove the clamps and sand the rough deck and hull edges even.





5 DECK SPLASH RAIL INSTALLATION

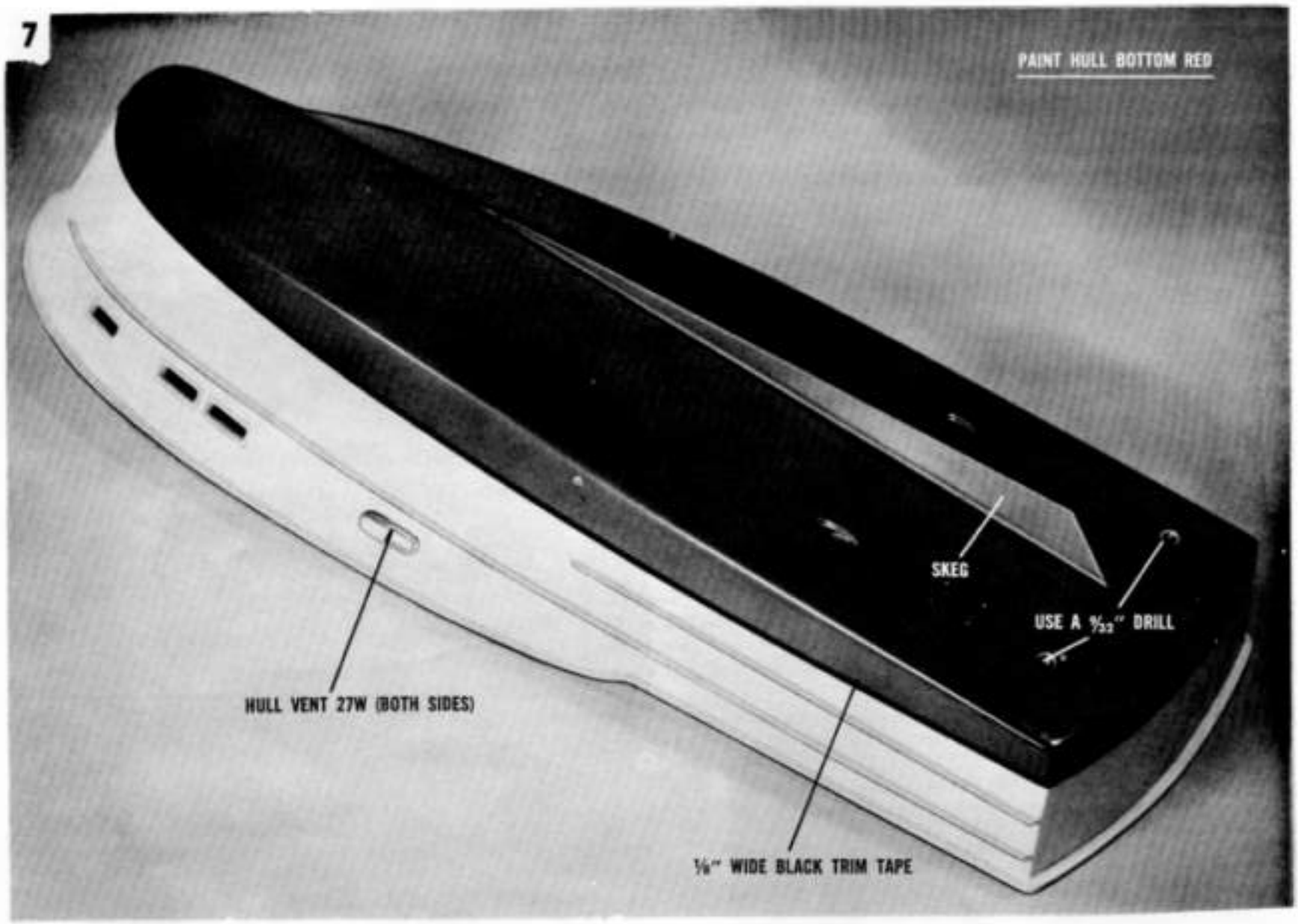
The deck splash rails come in three pieces and are cut from thin plastic. One straight piece 23" long and two curved pieces 13" long. Pre-bend and fit the long straight piece around the front part of the deck then cement strip to deck. Next fit the curved pieces in place (trim parts to correct length) then cement parts to deck. NOTE-Use tape to hold parts in place till cement sets. Now drill holes in the deck as noted in the photo. Use drill sizes as noted.



6 SPLASH AND RUB RAILS INSTALLED

Cement the side splash rail and the side rub rail to the hull as shown in the photo, (both sides of the hull). The splash and rub rails are extruded in heavy plastic strips and have a radius on one edge. Use tape to hold strips in place till cement sets. The deck may now be painted, first wipe the deck clean with (rubbing alcohol) to remove finger prints and dirt. Now mask off those areas not to be painted, then paint the deck. See box cover for color or use any color desired. Use paint for plastic only. Now cement deck fittings in place as noted in the photo.

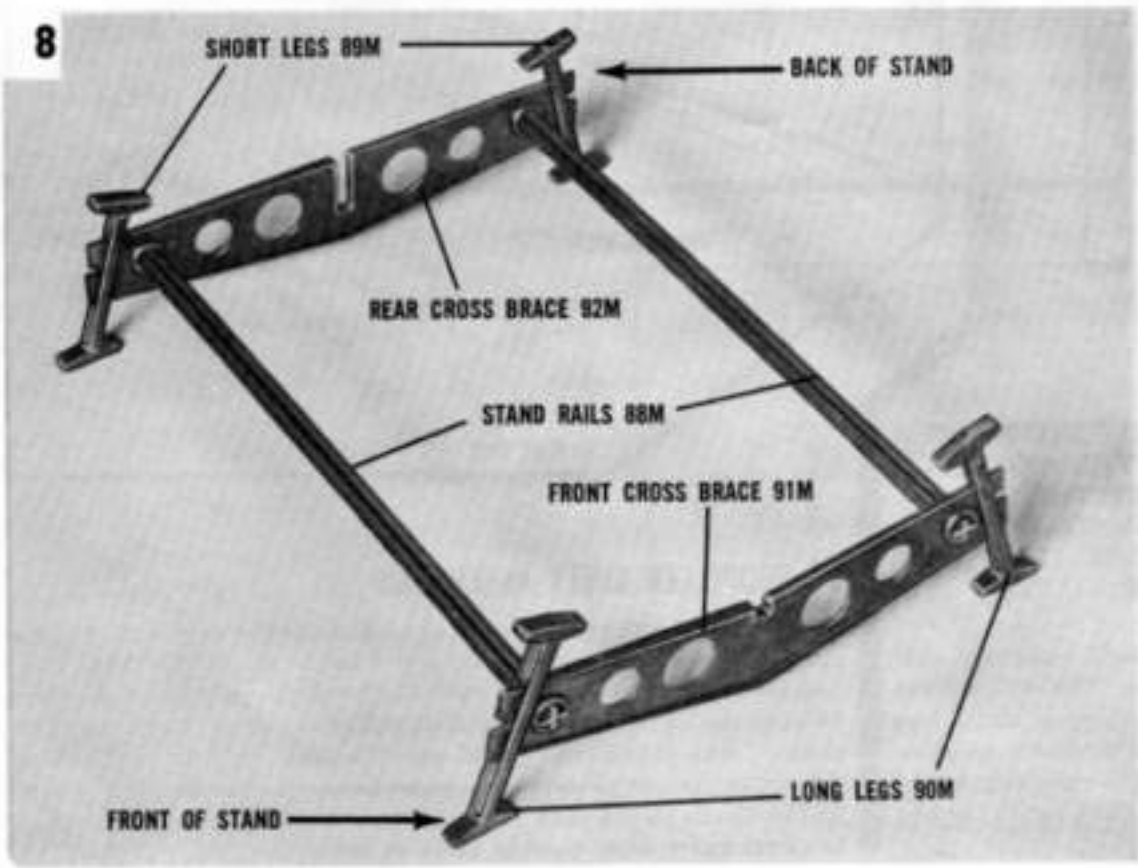
ASSEMBLY SUGGESTION
While cementing, scotch tape, masking tape or rubber bands may be used to hold parts in position as they dry.



7 PAINTING THE HULL

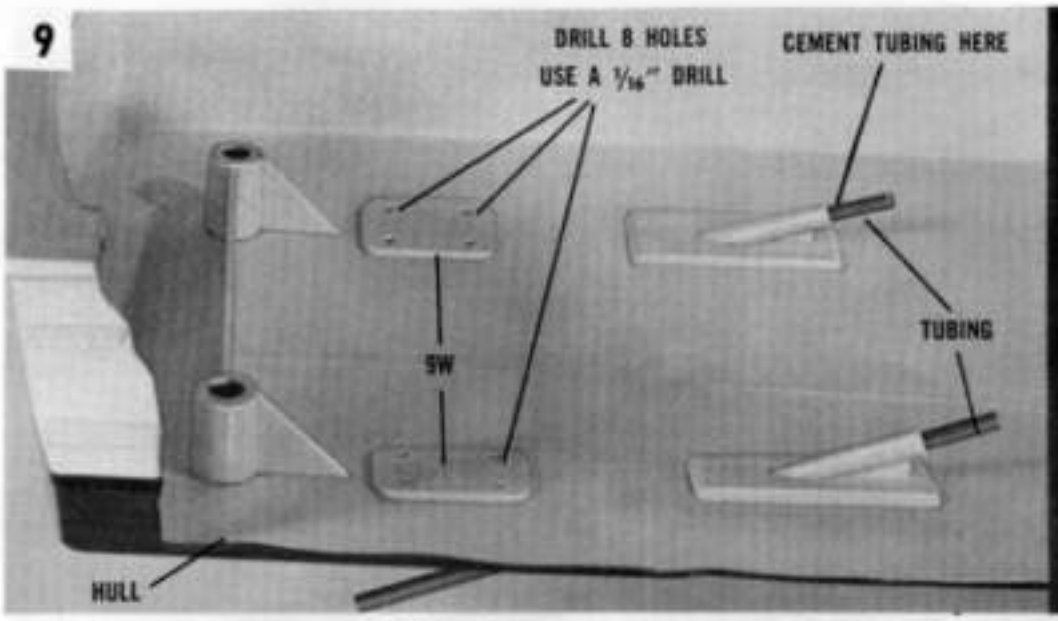
Cement the skeg to the bottom of the hull then drill out both rudder holes with a 7/32" drill. When the skeg has dried, wipe the hull clean with (rubbing alcohol) to remove finger prints and dirt. Using the water line as a guide, mask off the hull and paint the hull bottom DARK RED. Use paint for plastic only. A 1/8" wide strip of BLACK trim tape is used to separate colors. Be sure the paint is dry before handling the hull. Now cement hull vents 27W in place, one on each side of the hull.

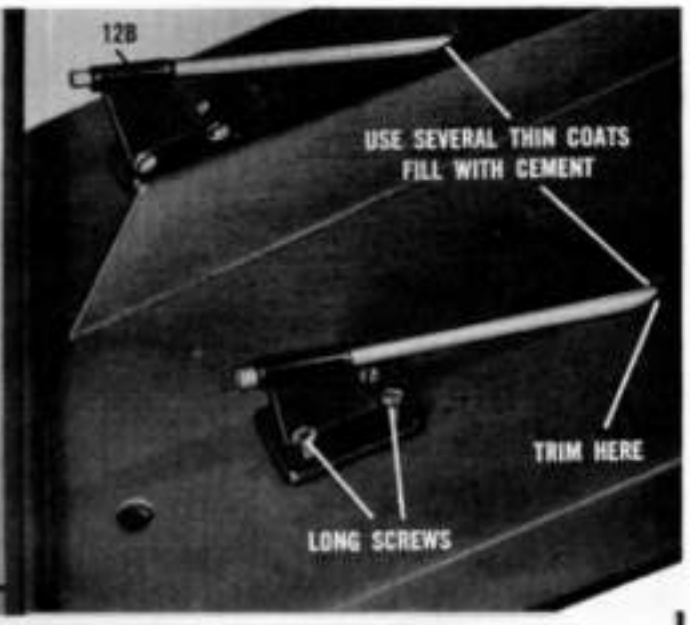
NOTE: For best results when painting this model we recommend the use of TESTOR'S SPRAY PLA paints. NOTE: To properly prepare the surfaces for painting wipe thoroughly with a cloth soaked in RUBBING ALCOHOL. IMPORTANT: *DO NOT* attempt to use any lacquer thinners to clean the surfaces, use *ONLY* RUBBING ALCOHOL. NOTE: TESTOR'S SPRAY PLA paints are available at your local hobby shop, follow instructions on label of spray can.



8 STAND ASSEMBLY

Slide and lock legs 89M (short legs) onto part 92M (rear cross brace) then cement parts together. Next slide and lock legs 90M (long legs) onto part 91M (front cross brace) then cement parts together. Now insert stand rails 88M into front and rear cross braces then cement parts together.

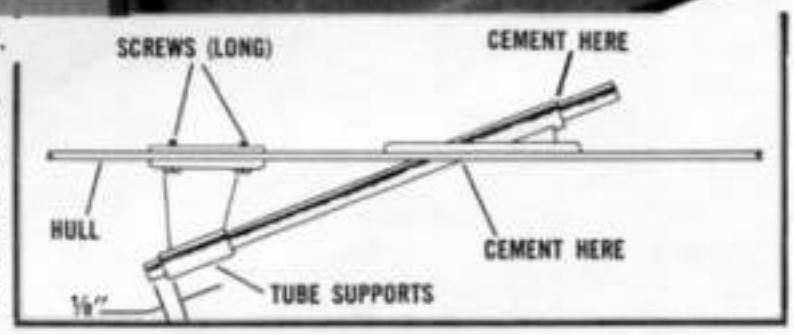


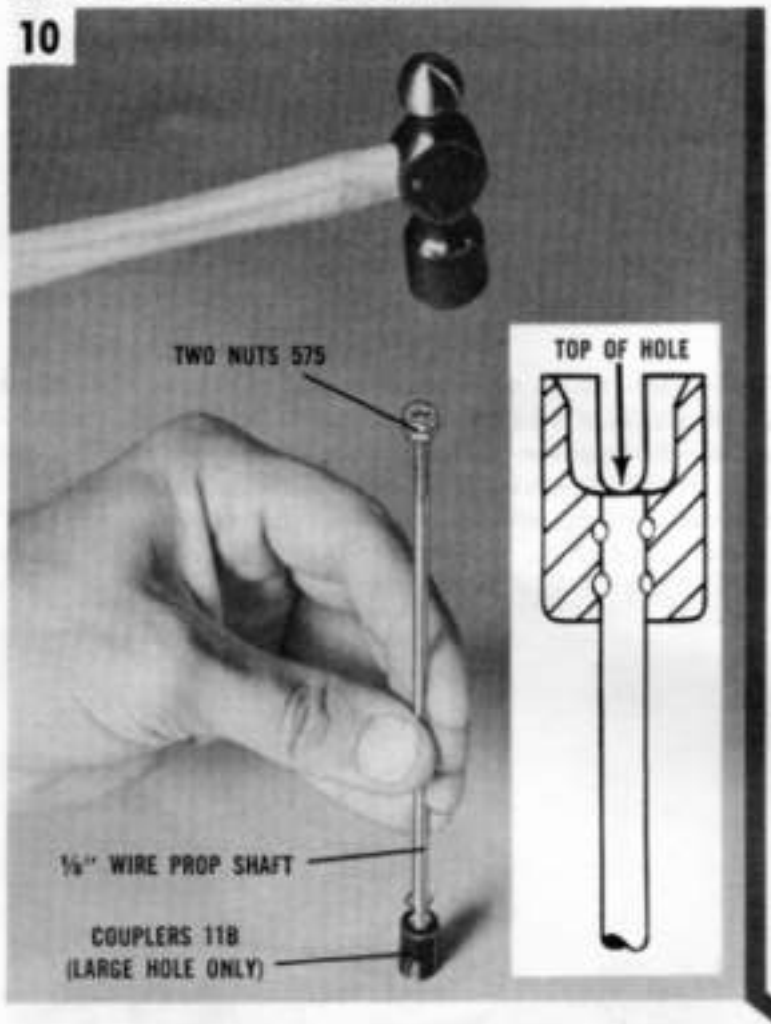


9 TUBING INSTALLATION

NOTE—Scrape paint in areas to be cemented.

Drill eight holes through the hull bottom using the holes in plates 9W for the drill guide. Next slide metal tubing through the tube guides and hull. NOTE-If tubes do not slide through the hull, turn the hull over and trim the area around the hull openings till the tubes will pass through. Now slide the bottom tube supports 12B onto the tubing and screw parts 12B to the hull, (use 8 of the long screws). Center the tubing *exactly* as shown in the sketch then cement tubing in place where it passes through the hull and around the tube housings inside of the hull.

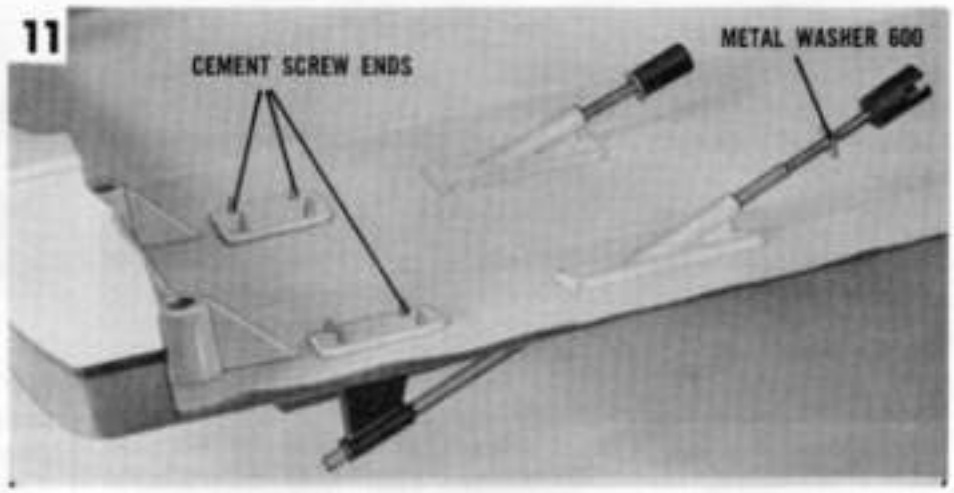


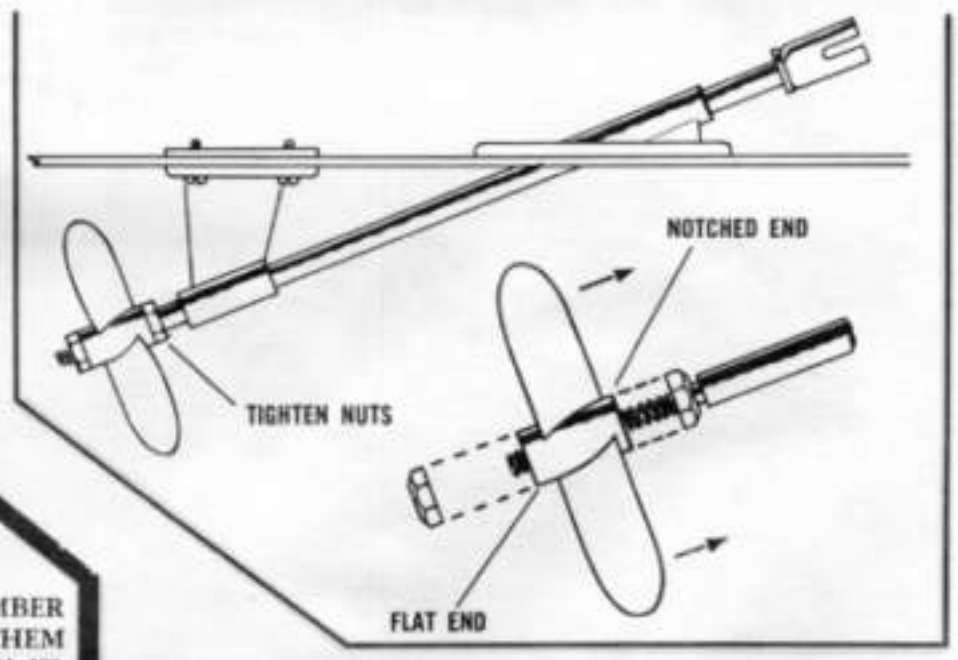


10 PROPELLER SHAFT COUPLERS

NOTE-THERE ARE THREE COUPLERS WITH THE NUMBER (11), TWO COUPLERS HAVE LARGE HOLES THROUGH THEM WHILE ONE COUPLER HAS A SMALL HOLE THROUGH IT. *DO NOT* USE THE COUPLER WITH THE SMALL HOLE FOR THE PROP SHAFTS. THE COUPLERS WITH THE LARGE HOLES ARE TO BE PUT ONTO THE PROP SHAFTS.

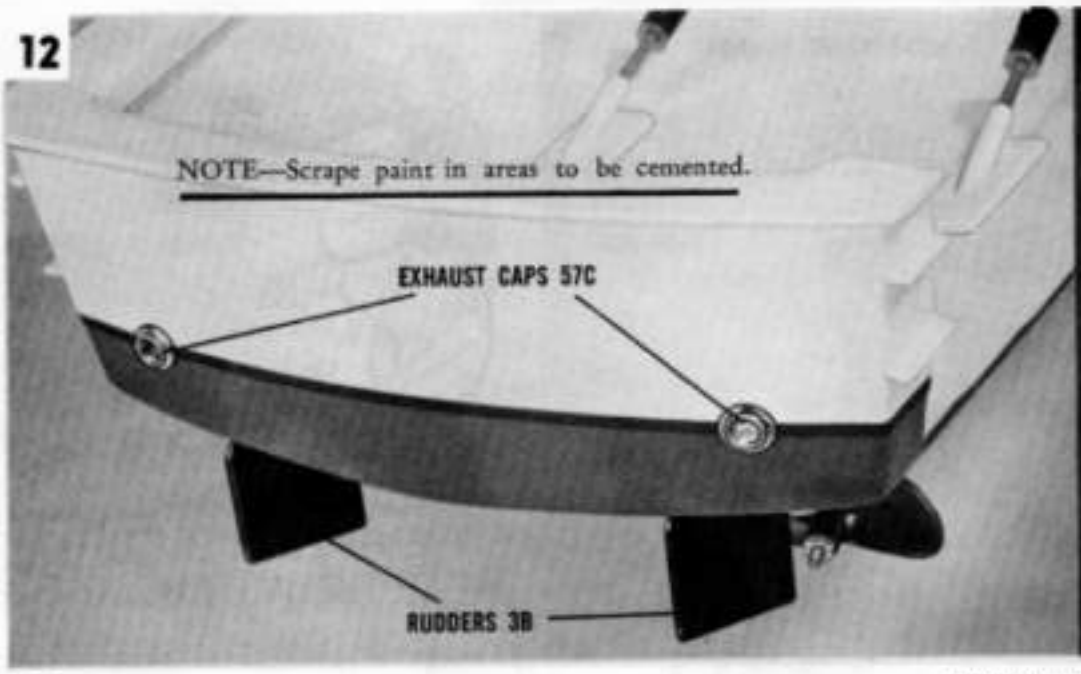
Thread two nuts 575 onto the end of the prop shaft, make sure that the shaft end does not stick out past the top nut. This will prevent the threads from being damaged when driving the prop shafts into the couplers 11B. Now stand coupler 11B on end as shown in photo and drive shaft end into the coupler till shaft end is even with top of hole inside of coupler, (see sketch). Do the same thing for the second prop shaft.

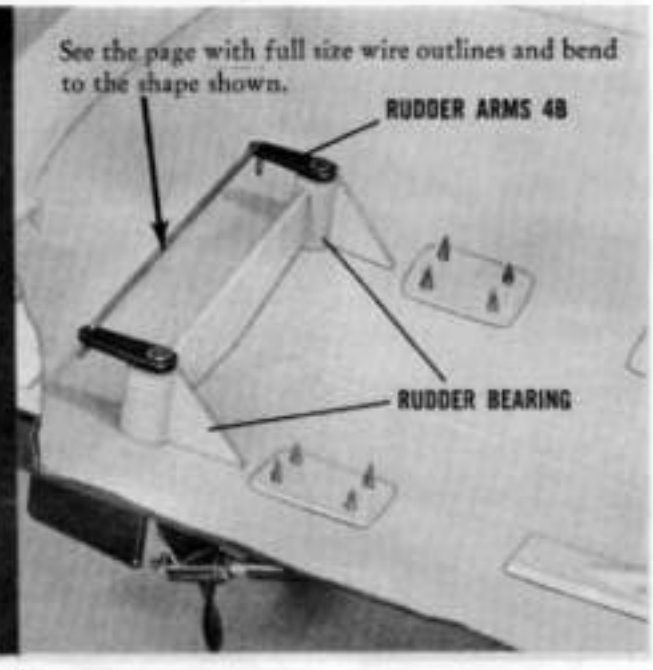




11 PROPELLER SHAFT ASSEMBLIES

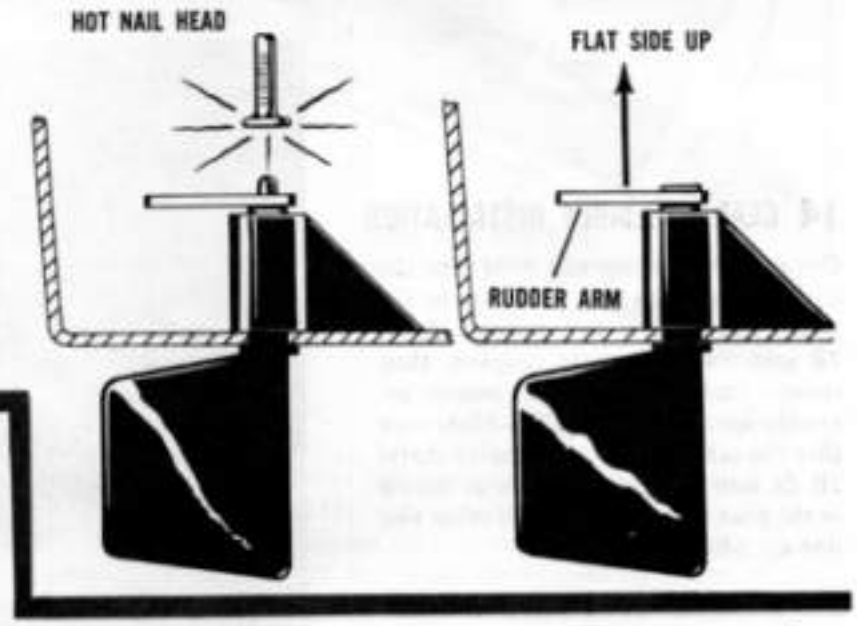
Remove the two nuts from the end of both prop shafts then slip one metal washer 600 onto each shaft and slide the shafts into the tubing, (see photo). Next thread one nut 575 onto each shaft and slide props 9B onto the shafts with the notched end of the props facing up, (see sketch), then thread the second nut 575 onto the prop shaft. Now tighten both nuts to keep the props from slipping on their shafts. NOTE-Shafts should turn freely inside of the tubing, (use 3-1 oil to lubricate shafts when running model in water).

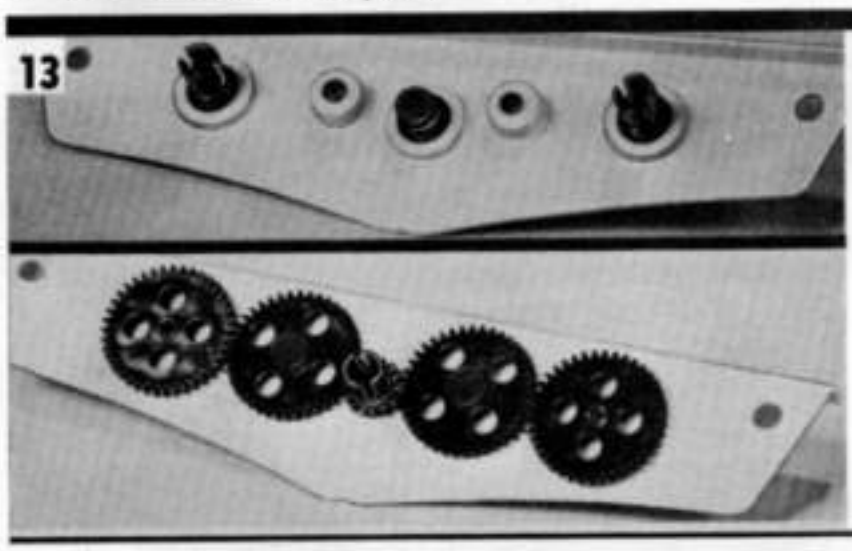


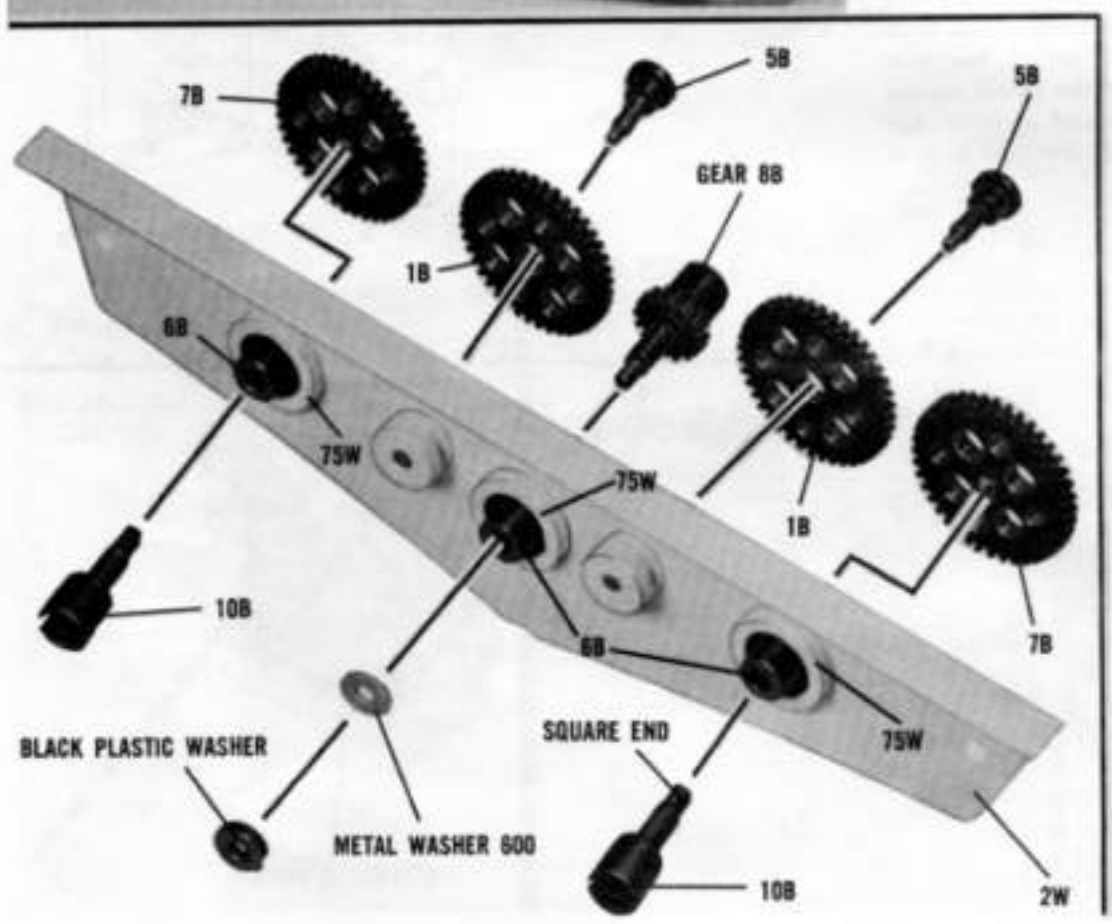


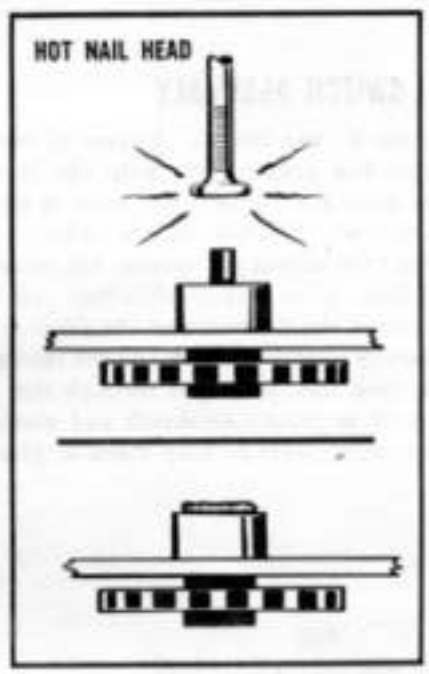
12 RUDDERS INSTALLED

Cement exhaust caps 57C to the back end of the hull. Next slip the rudders 3B into the hull from the bottom up, then press rudder arms 4B onto the rudders in the position shown. NOTE-Rudder arms have one flat side and one side with a raised ring. The raised ring acts as a spacer and *must* face down so that it rests on the rudder bearing with the flat side of the arms facing up, (see sketch). Now flatten the top of the rudders as shown in the sketch. The wire linkage for the rudder arms has to be bent to shape (use pin-nose pliers). Now bend the wire to the exact shape of the full size outline and hook the linkage into the rudder arms as shown in the photo.



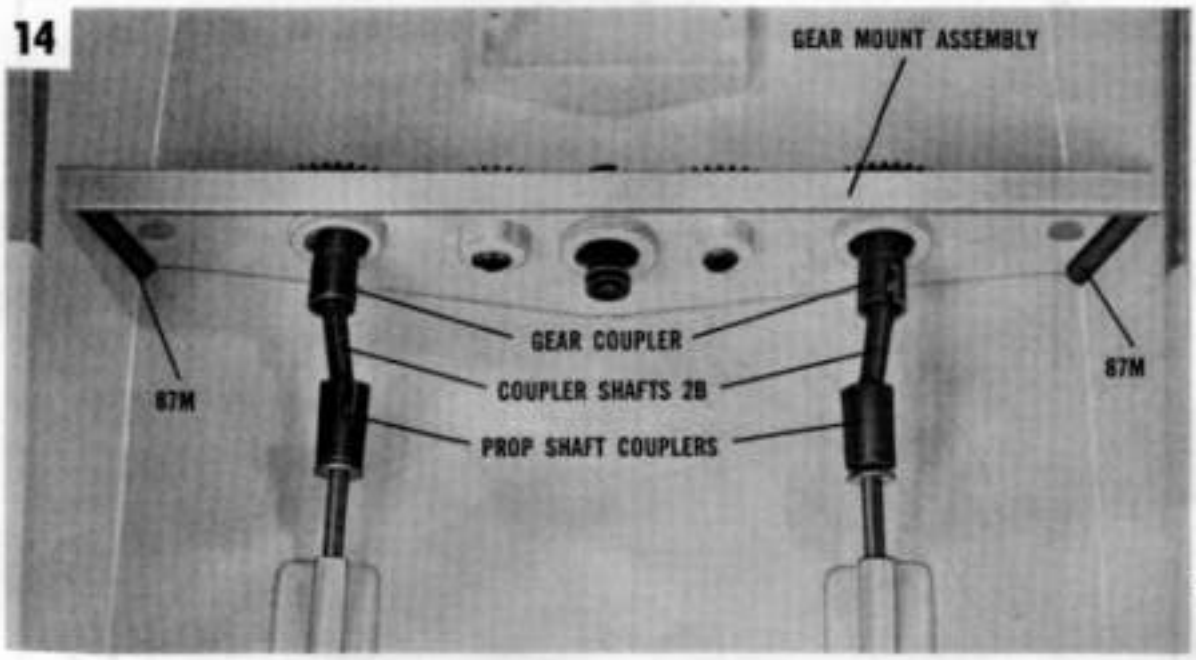


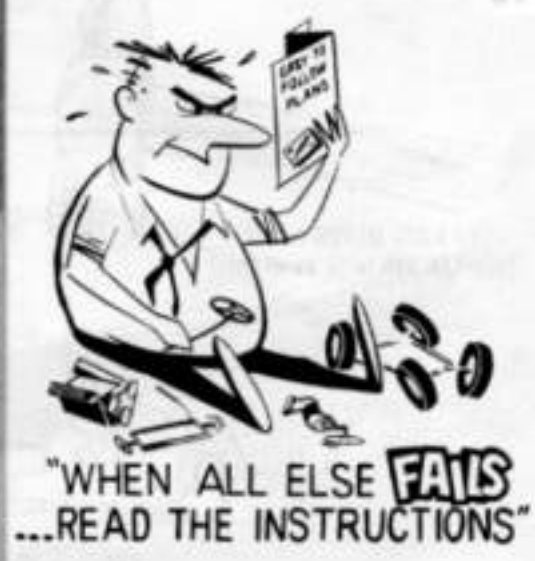




13 GEAR MOUNT ASSEMBLY

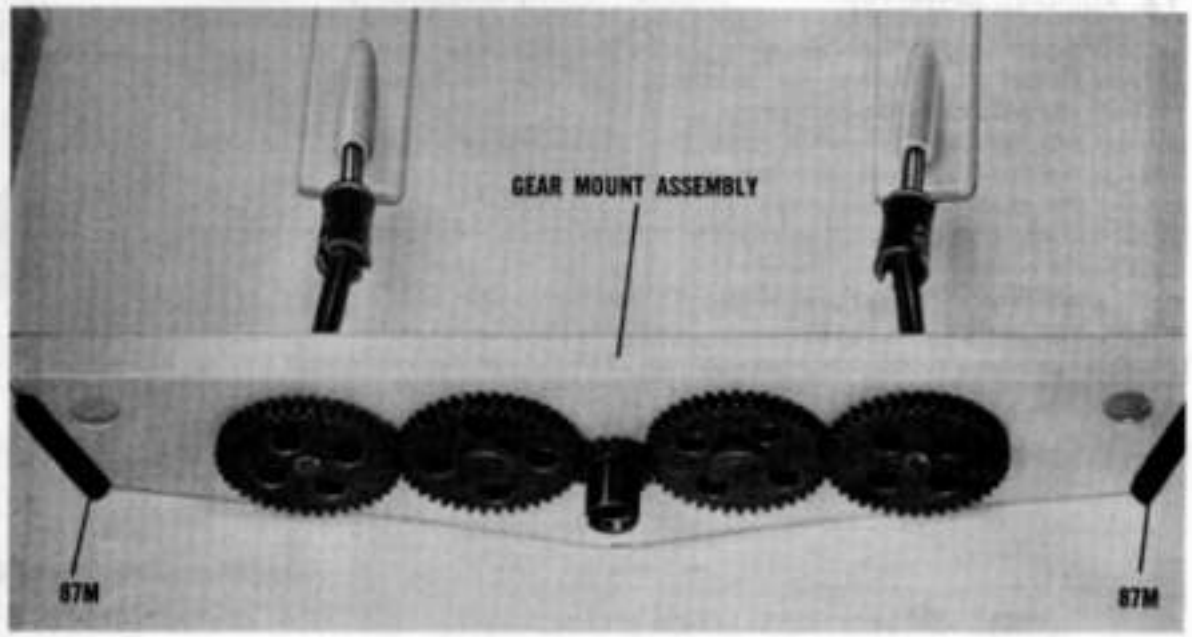
Place bearings 6B into the gear mount 2W then cement and press retainer rings 75W in place. Next insert gear 8B through the center bearing then place one metal washer 600 and the BLACK plastic washer onto the end of gear 8B and flatten the end of 8B (see sketch). Insert pins 5B through gears 1B and gear mount 2W then flatten pin ends (see sketch). Now insert couplers 10B through outside bearings then press gears 7B onto coupler ends and flatten square ends (see sketch). Heat a large nail head or knife blade then press hot end against pins to be flattened.





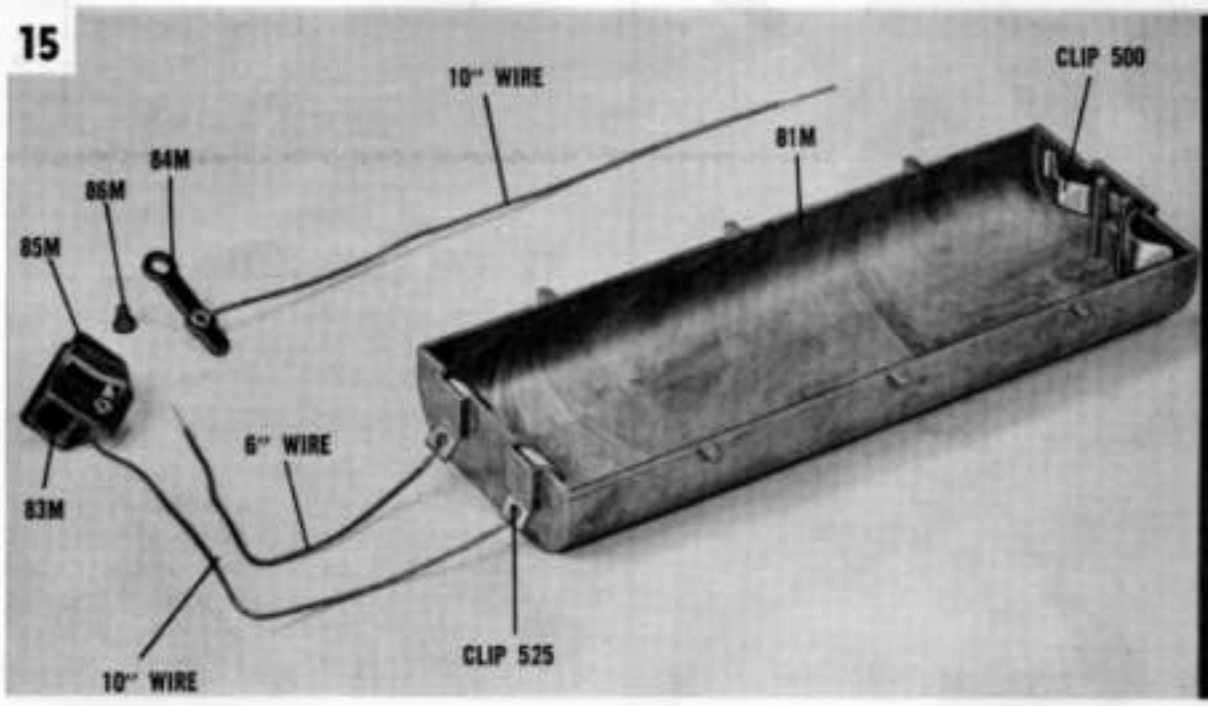
14 GEAR ASSEMBLY INSTALLATION

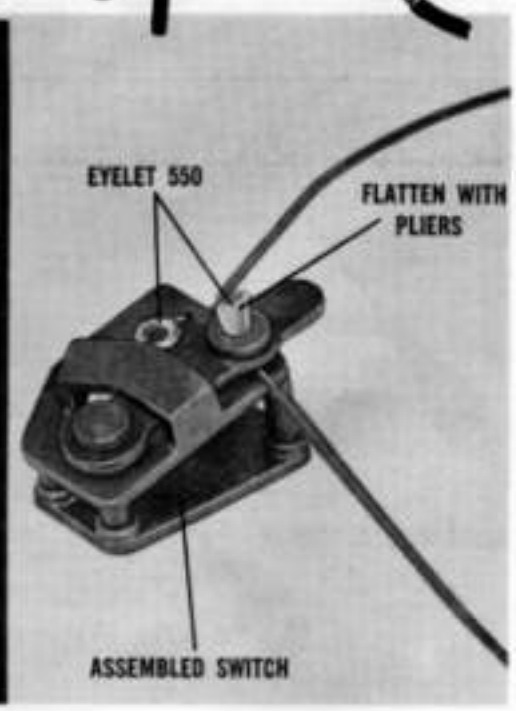
Cement two line-up ribs 87M into the hull, one on each side as shown in the photo. Next press two coupler shafts 2B into the prop shaft couplers, then cement and press the gear mount assembly into the hull. NOTE-Make sure that the other end of the coupler shafts 2B fit into the gear couplers as shown in the photo. Now cement the other two line-up ribs 87M in place.

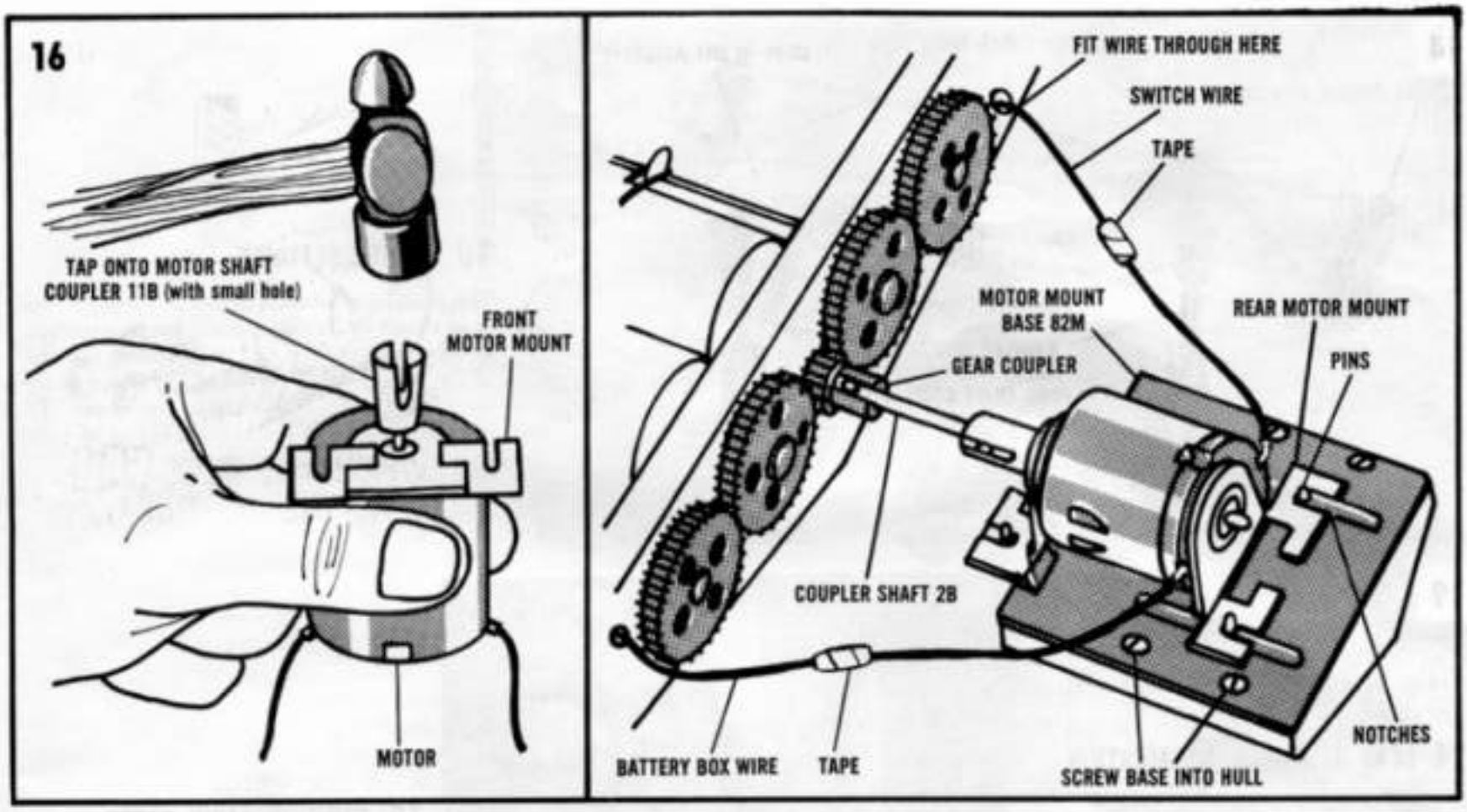


15 SWITCH ASSEMBLY

Cut one 6" and two 10" lengths of insulated wire for the switch and battery box connections. Strip the insulation from both ends of the three wires and connect the wires as shown in the diagram and photo. Connect one 10" wire to the switch arm 84M using eyelet 550 and connect the second 10" wire to the switch base 85M using second eyelet 550. Next press battery clips 500 and 525 into the battery box 81M then twist the 6" wire and the other end of the 10" switch base wire to battery clips 525. Now cement the switch base to the switch mount 83M, then slide arm 84M through slot in base 85M and press retainer pin 86M in place (see sketch and photo). NOTE-Flatten the ends of eyelets with pliers to keep them in place.







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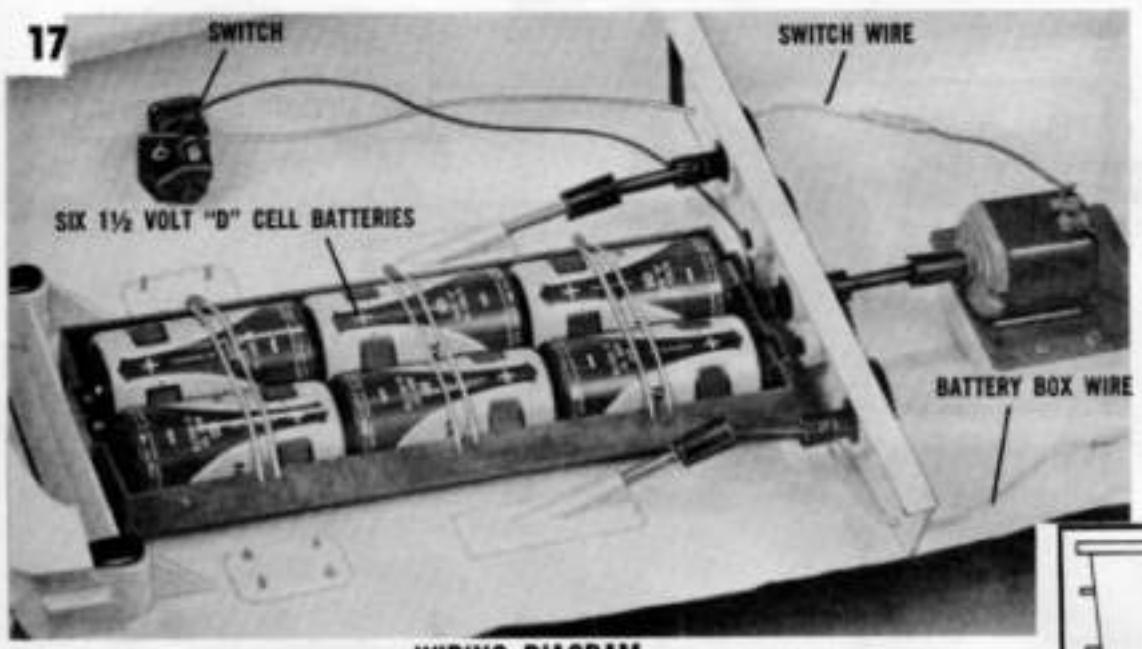
FOR BEST RESULTS SOLDER ALL MOTOR WIRE CONNECTIONS

16 MOTOR INSTALLATION

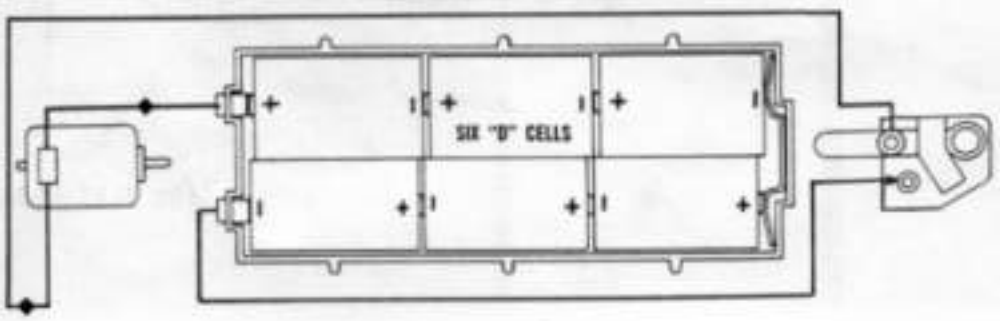
Fit front motor mount onto the motor bearing—mount must fit on as shown in sketch, then place coupler 11B (with small hole) onto the motor shaft and tap coupler onto shaft as shown till shaft end is even with top of hole inside of the coupler. Next fit rear motor mount onto the motor (note position), and cement mounts onto mount base 82M, notches locate with pins—DO NOT reverse motor mount direction. Now press coupler shaft 2B into the motor coupler and screw motor mount base 82M into the hull. Be sure coupler shaft 2B fits into gear coupler as shown.

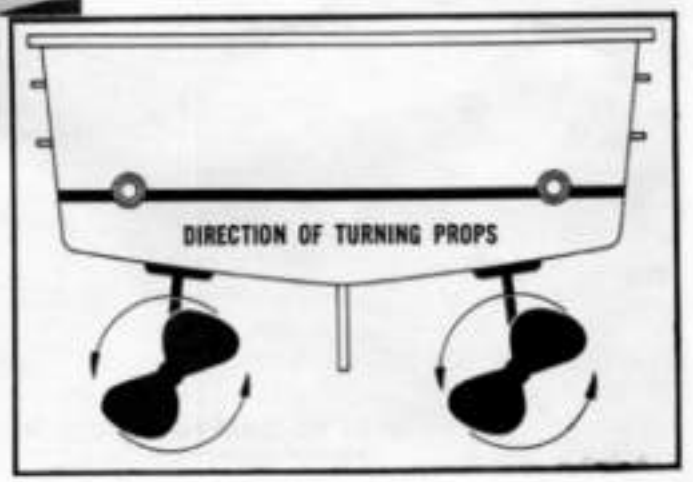


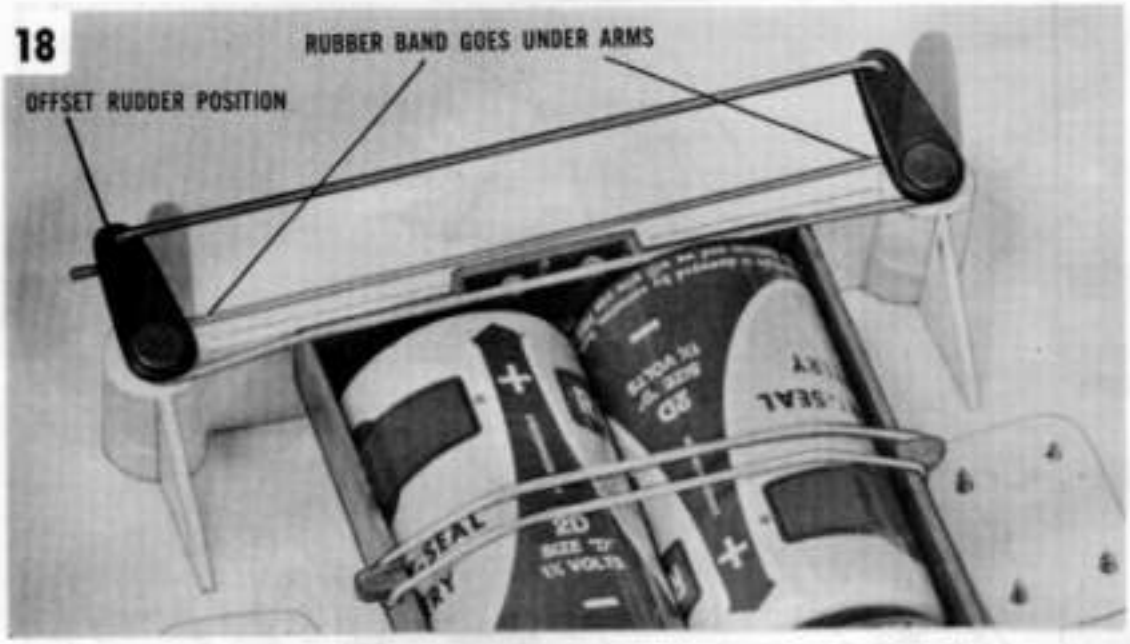
17 BATTERY BOX INSTALLATION

Cement the battery box into the hull (make sure battery box is centered). Next cement the switch assembly to the hull, then slip switch and battery box wires through the gear mount and connect them to the motor wires (see photo and diagram) and tape the wire connections. Now place six (6) "D" cells in position shown then test the motor, if the props turn backwards (see sketch), reverse the direction of all batteries. Rubber bands hold batteries in place.

WIRING DIAGRAM

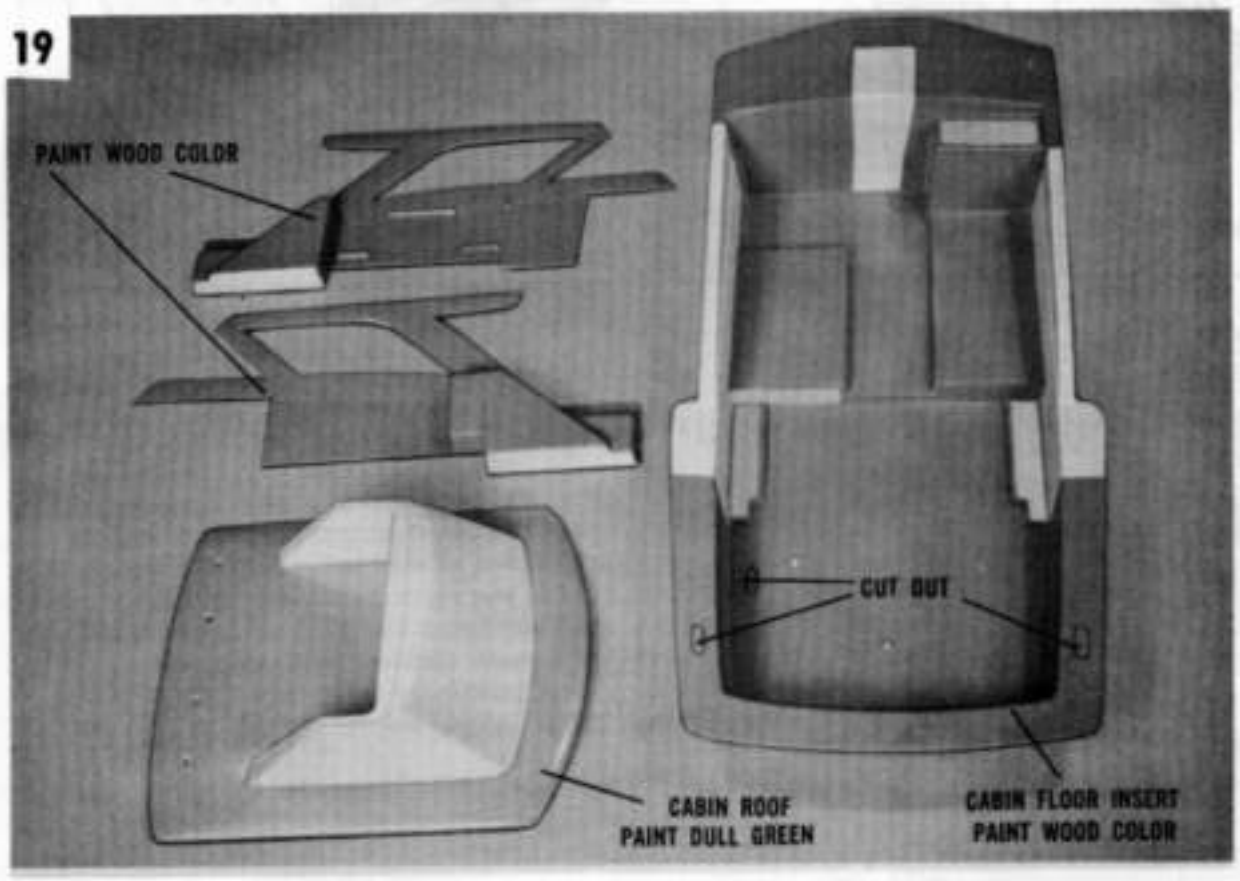






18 RUDDER SETTINGS

This model can be made to run in a straight line or in circles by locking the rudders in a straight or offset position. To lock the rudders, slip one of the rubber bands furnished in the kit *under* the rudder arms as shown in the photo. To lengthen or shorten the turning radius of your model, offset the rudders to suit.



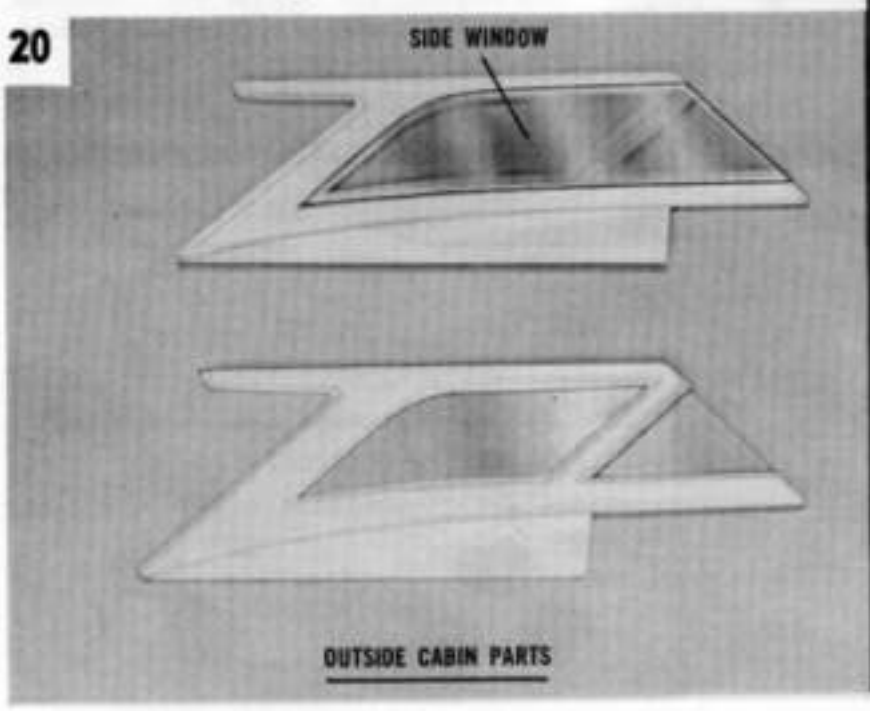
19 PAINTING CABIN PARTS

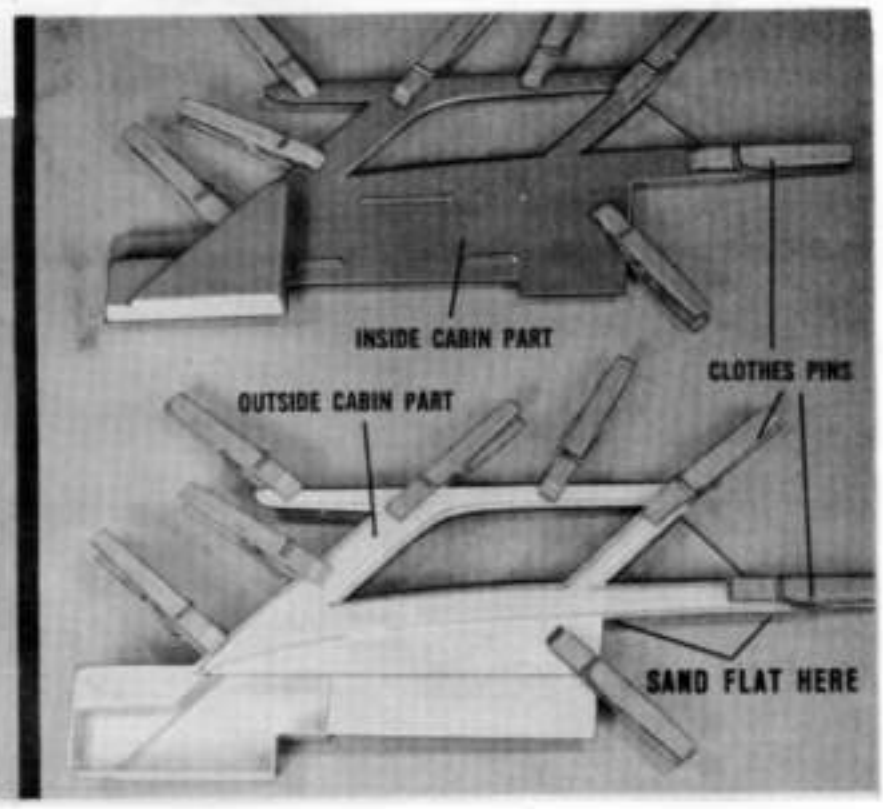
NOTE—Sand all rough edges on formed plastic parts before painting or cementing parts in place. Paint the cabin parts shown in the photo, use the colors recommended or any colors desired. The light areas shown in the cabin floor insert should not be painted as these areas are where other cabin parts will be cemented in place. NOTE—Cement will not hold well to paint, the areas must have paint removed before cementing parts in place. Now cut openings in the floor insert as noted in the photo by outlines.

USE CEMENT SPARINGLY FOR BEST APPEARANCE AND STRENGTH OF THE MODEL

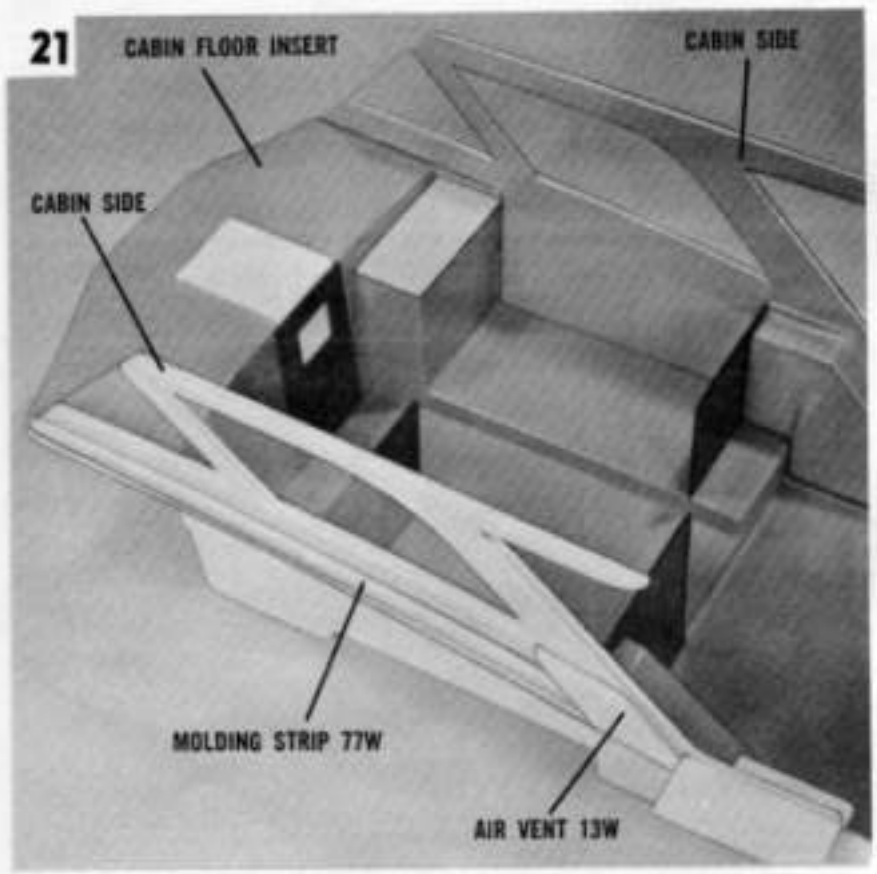
20 CABIN SIDES ASSEMBLY

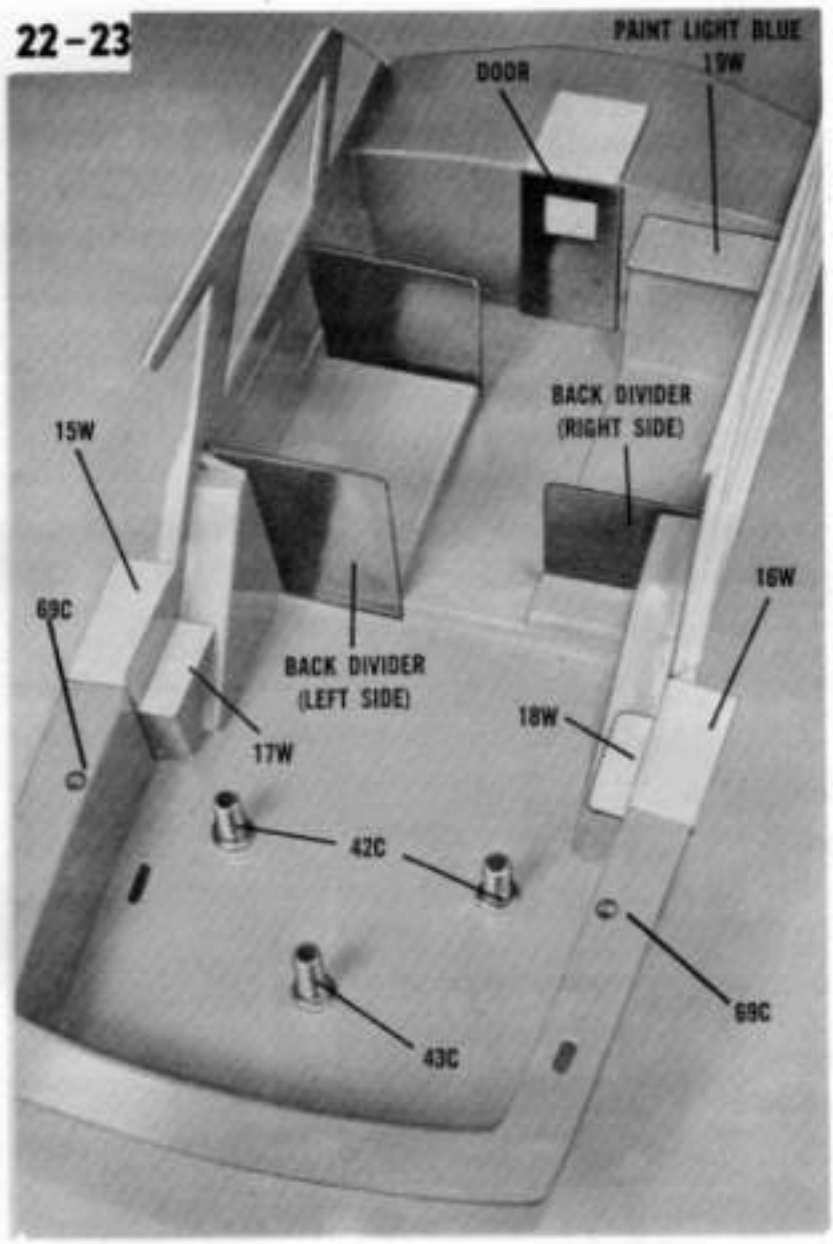
Cement clear windows to the outside cabin parts (from the back side). Next cement the inside and outside cabin parts together. Use clothes pins to hold parts together till cement sets. When parts have dried remove the clothes pins and trim any excess plastic from the parts and sand areas as noted in the photo.





LINDBERG





21 CABIN SIDES INSTALLED

NOTE—Before cementing any parts in place, pre-fit them in position to be sure they fit correctly. Trim off any excess plastic to get the correct fit. Now cement the cabin sides into the floor insert, then when parts have dried, cement the trim molding strips 77W and the air vents 13W-14W to the outside of the cabin sides as shown in the photo. One molding strip and air vent on each cabin side.

USE ENAMEL OR PLASTIC PAINTS ONLY.
DO NOT USE LACQUER PAINT
MATERIALS AS THESE CRAZE THE PLASTIC.

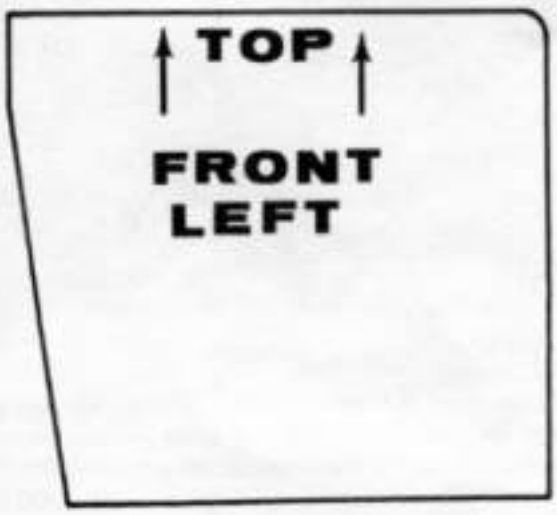
22 CABIN DIVIDERS INSTALLED

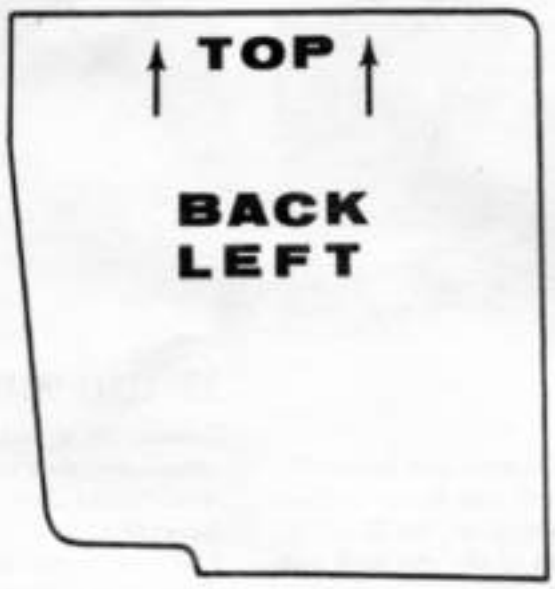
See the full size diagrams of the three cabin dividers then study the photo to see where each piece fits. Now paint the cabin dividers before they are cemented in place. NOTE—Spring type clothes pins can be used to hold small parts for painting. Use paints for PLASTIC only. The door and part 19W should be painted with the dividers. Use the colors recommended or any color desired. After the painted parts have dried, cement them in place (see photo).

23 STEP PLATES INSTALLED

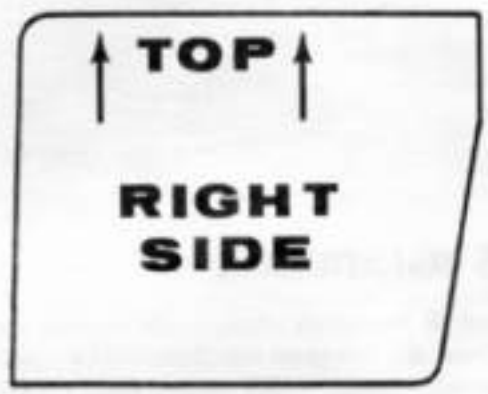
Cement the outside 15W-16W and the inside 17W-18W step plates in place. Next cement the chair posts 42C-43C and the fishing pole sockets 69C in place as shown in the photo.

FULL SIZE CABIN DIVIDER OUTLINES

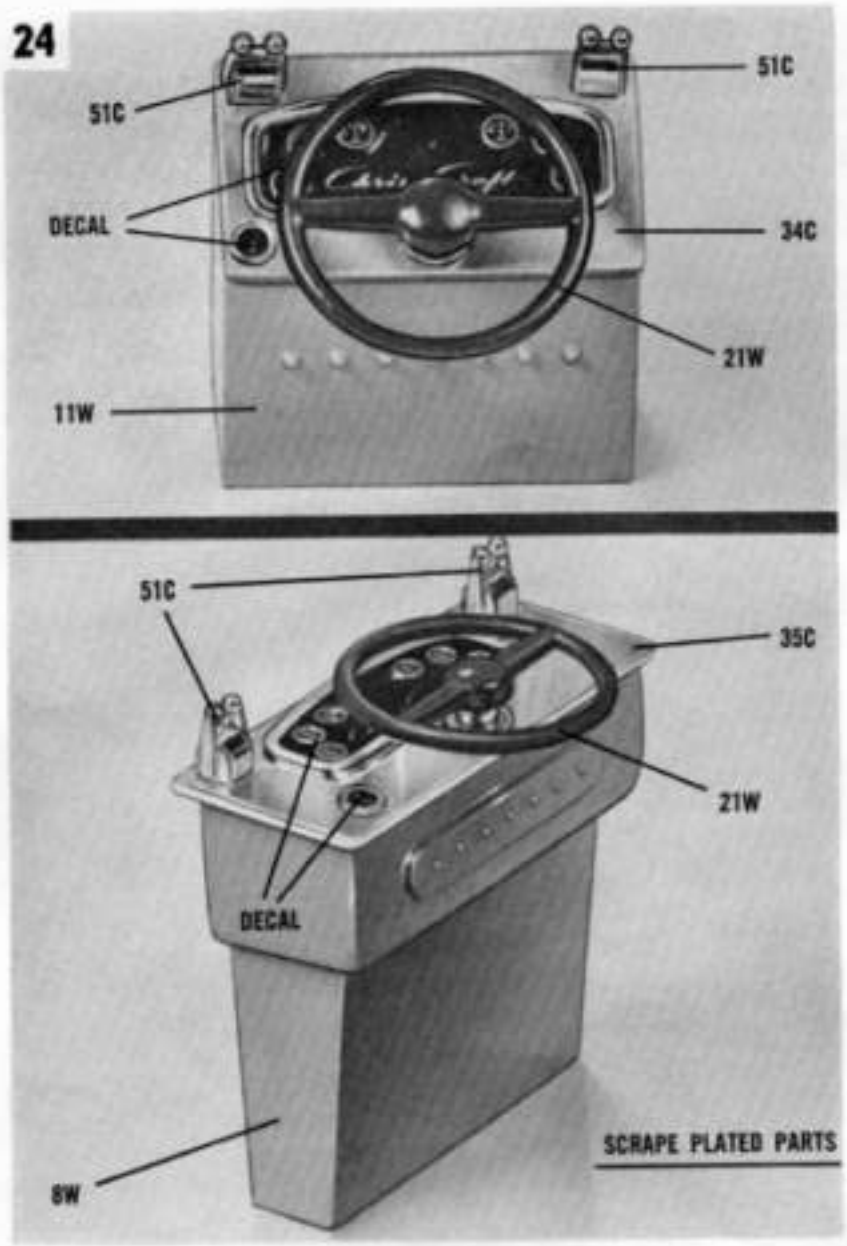




NOTE—Cement will not hold well to paint, the areas must have paint removed before cementing parts in place.

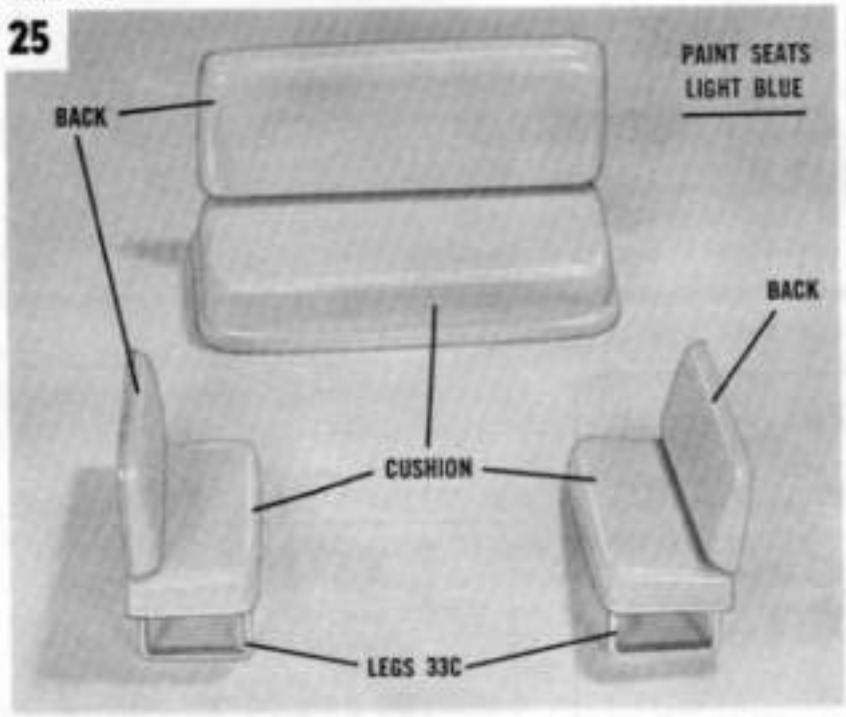


PAINT DIVIDERS DARK BROWN



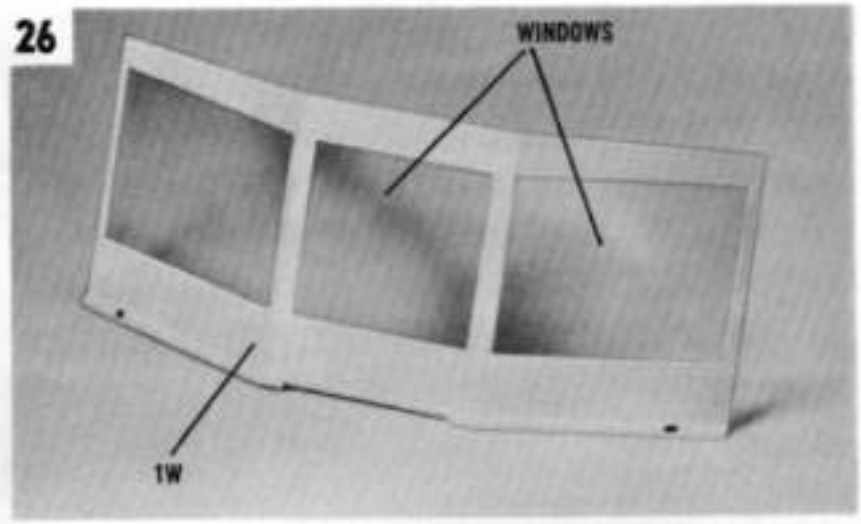
24 CONTROL CONSOLE ASSEMBLIES

Apply the instrument decals to parts 34C-35C then cement part 34C to part 11W and part 35C to part 8W. NOTE—Parts 11W-8W may be painted if desired, paint parts GRAY. Next cement the throttle controls 51C to parts 34C-35C. Now paint the steering wheels 21W, BROWN then cement them in place. NOTE—Scrape plating in areas to be cemented.



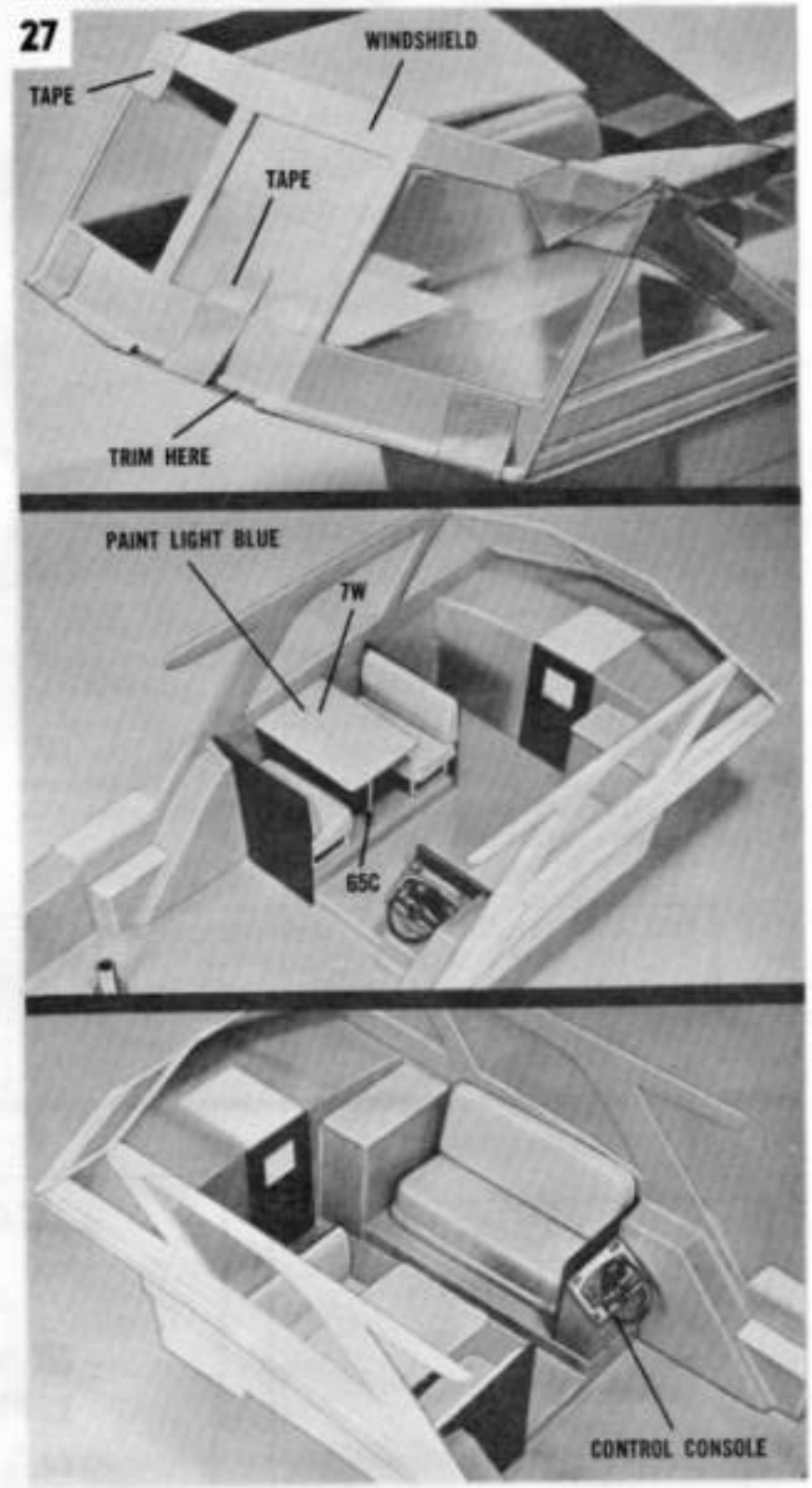
25 SEAT ASSEMBLIES

Sand all the rough edges on the formed seat cushions and backs then cement the seat parts together. NOTE—Seats may now be painted, use the color recommended or any color desired. Use paint for PLASTIC only. Now cement seat legs 33C to the under-side of the two small seats (one leg to a seat as shown in the photo).



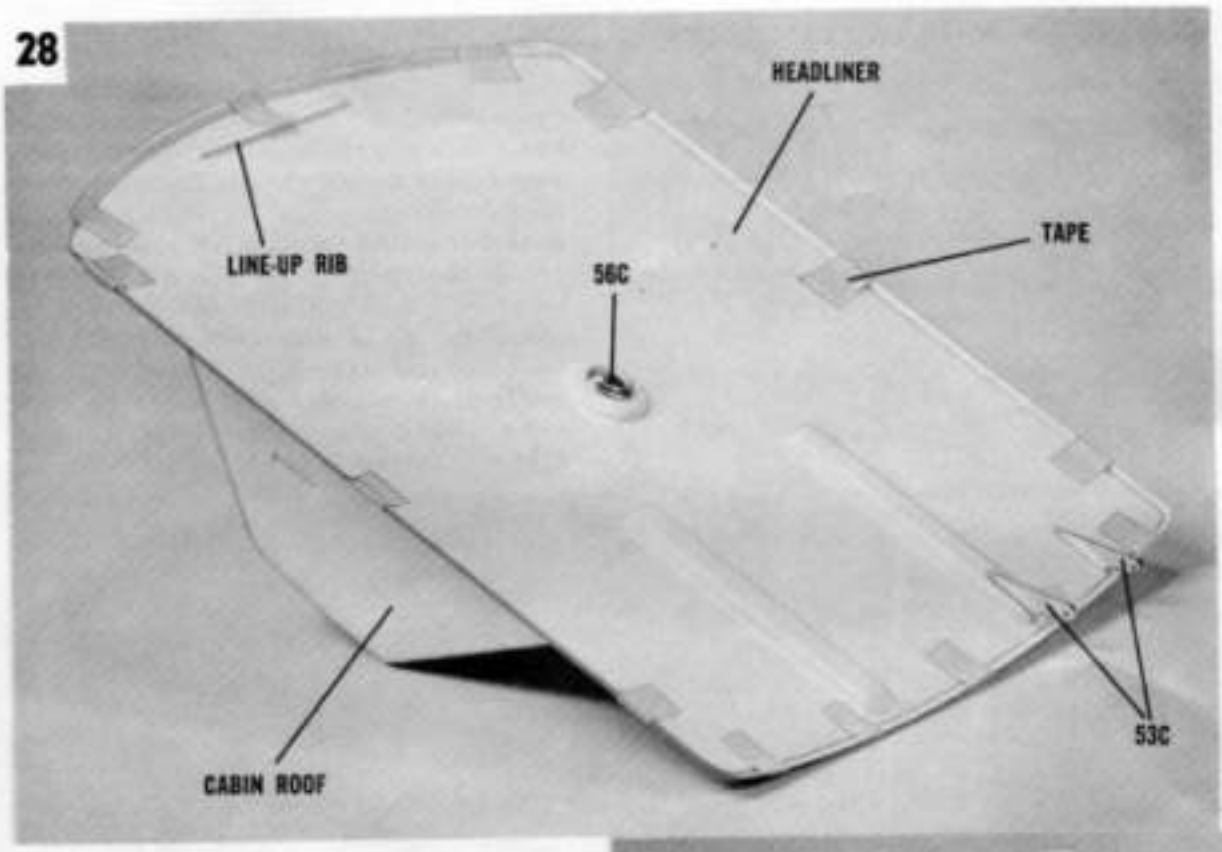
26 WINDSHIELD ASSEMBLY

Cement the clear windows into the windshield frame 1W from the inside.



27 SEATS INSTALLED

Cement the windshield in place, use tape to hold part in position till cement sets, then remove the tape and trim plastic from the area shown. Next cement the seats into the cabin, then cement the table leg 65C to the under-side of table top 7W and cement the table in place. NOTE-Table top should be painted the same color as the seats. Now cement the aft deck control console in place.

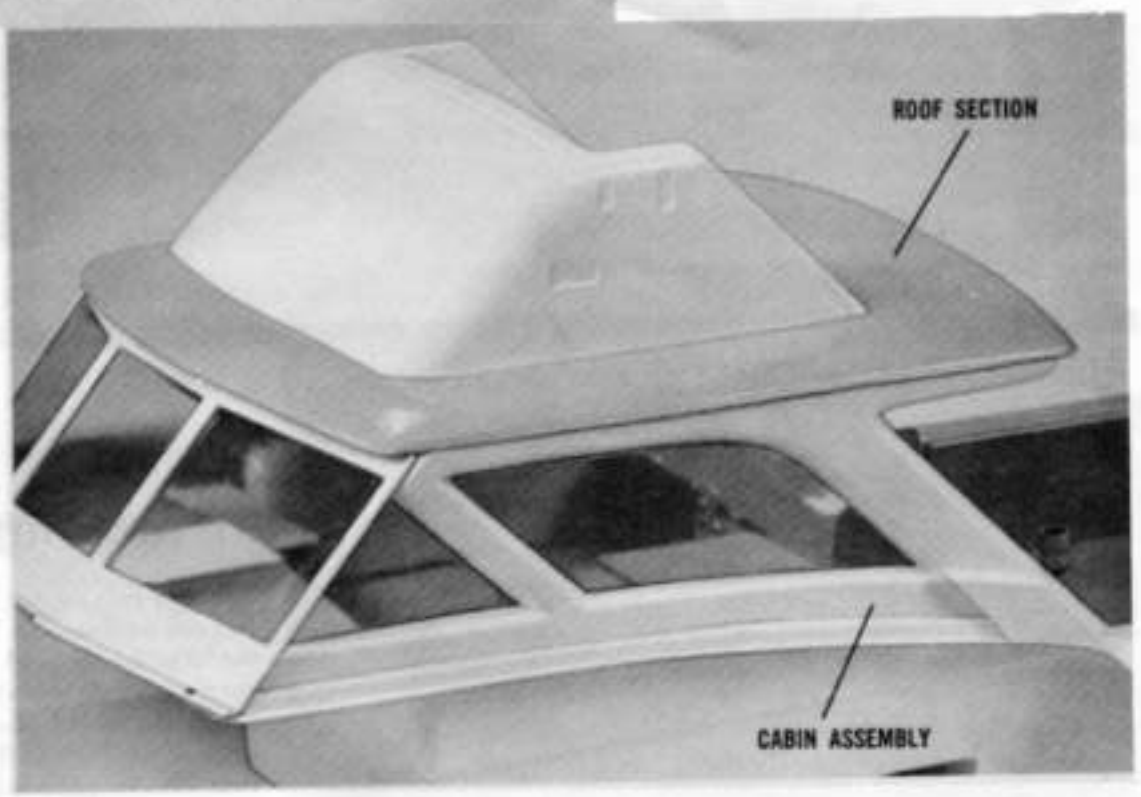


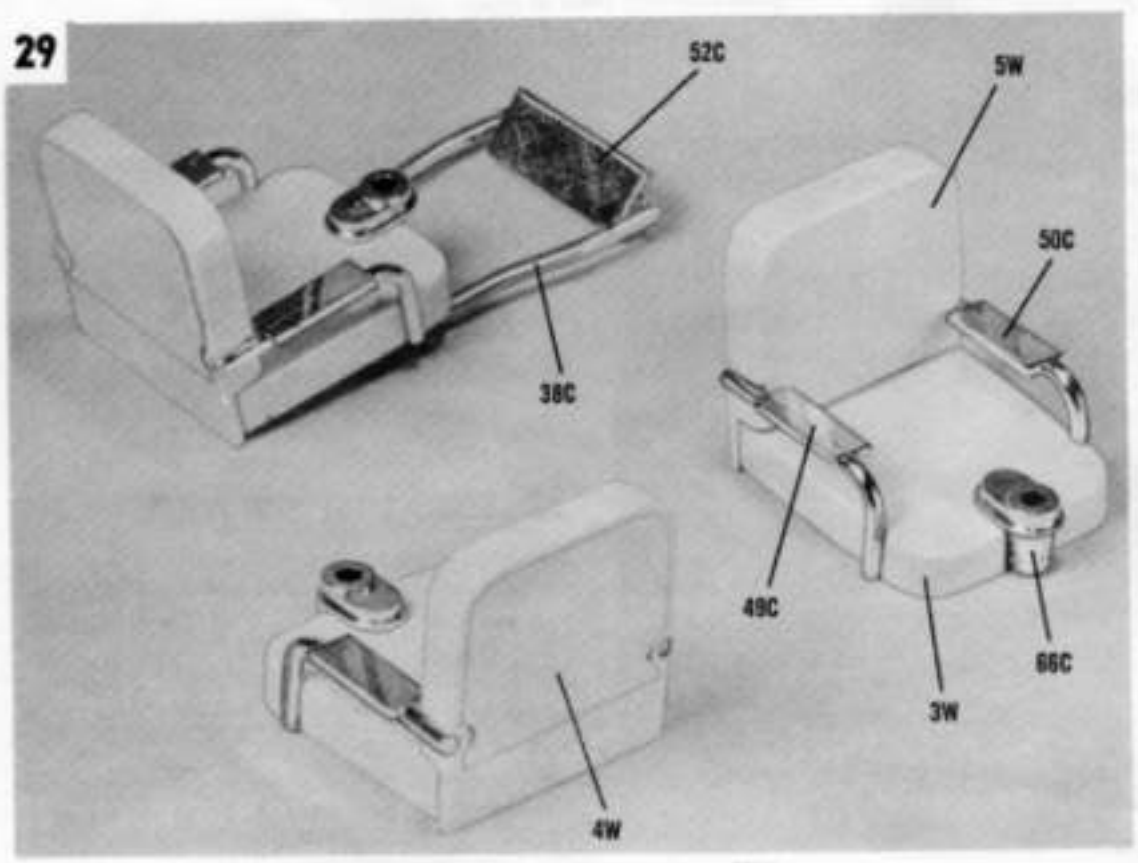
ASSEMBLY SUGGESTION
While cementing, scotch tape, masking tape or rubber bands may be used to hold parts in position as they dry.

USE CEMENT SPARINGLY FOR BEST APPEARANCE AND STRENGTH OF THE MODEL

28 CABIN ROOF ASSEMBLY AND INSTALLATION

Cement the headliner into the cabin roof, then cement the ladder supports 53C and the dome light 56 in place. Use tape to hold the headliner in place till cement sets. NOTE—Do NOT use too much cement when cementing the above plastic parts together. Now remove the tape and cement the roof section onto the cabin. NOTE—The line-up rib on the front part of the headliner fits *in front* of the windshield frame when cementing roof section onto the cabin.





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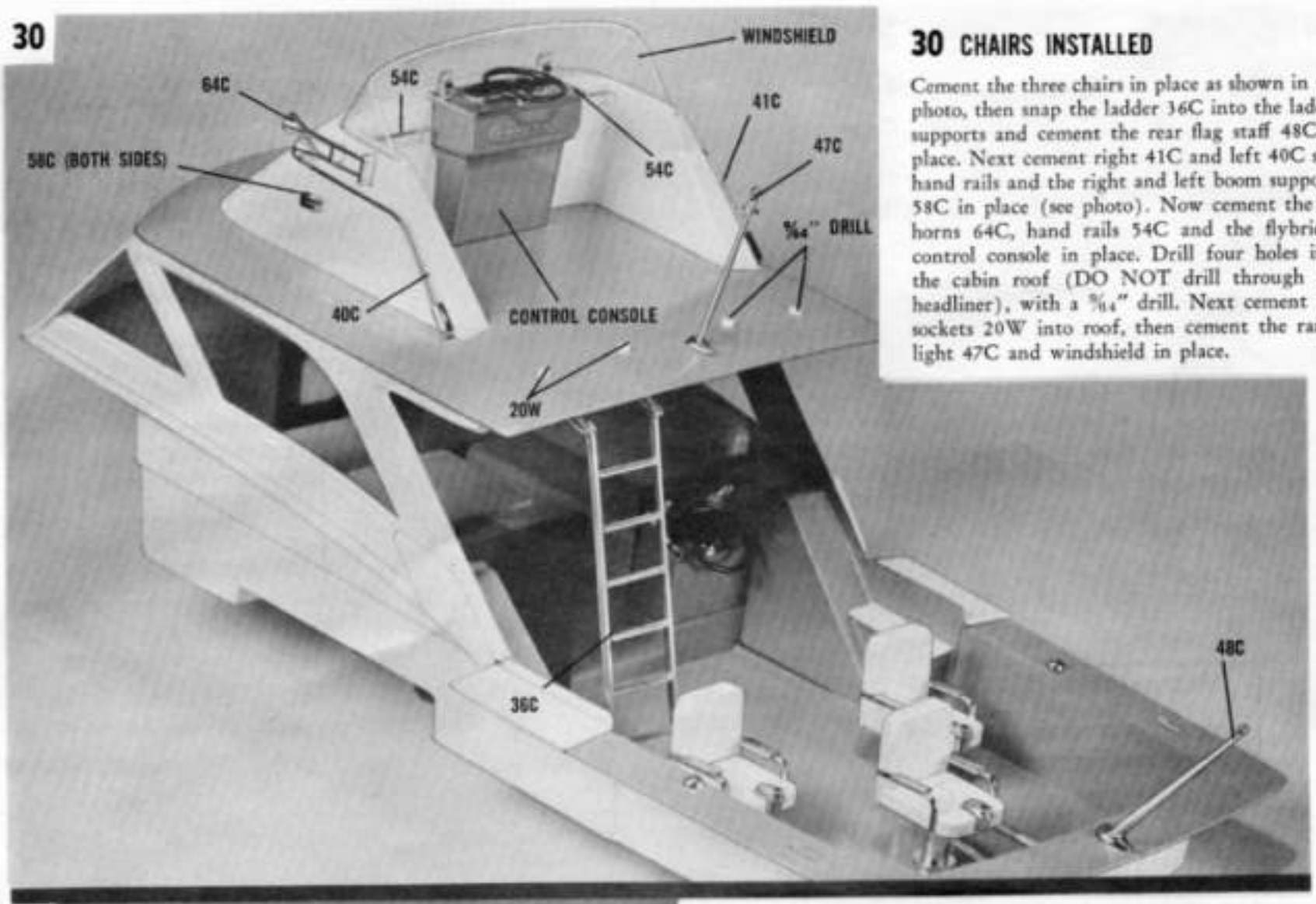
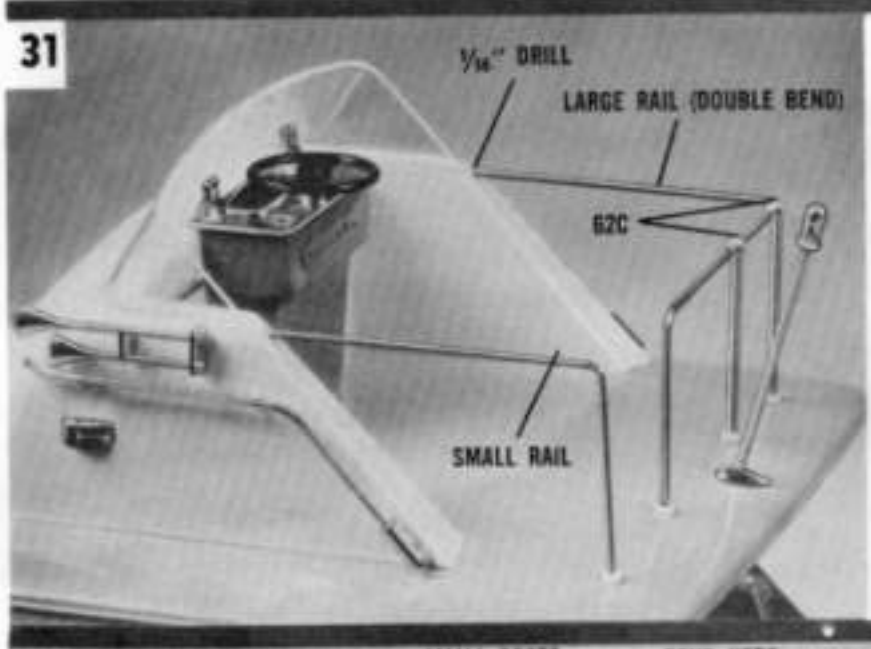
29 CHAIR ASSEMBLIES

Cement chair parts 3W and 5W together then cement the back filler plates 4W in place. Next cement right 49C and left 50C arm rests and fishing pole supports 66C to the chairs. Now cement foot support frame 38C to the underside of *one* chair only, then cement foot rest 52C to part 38C.



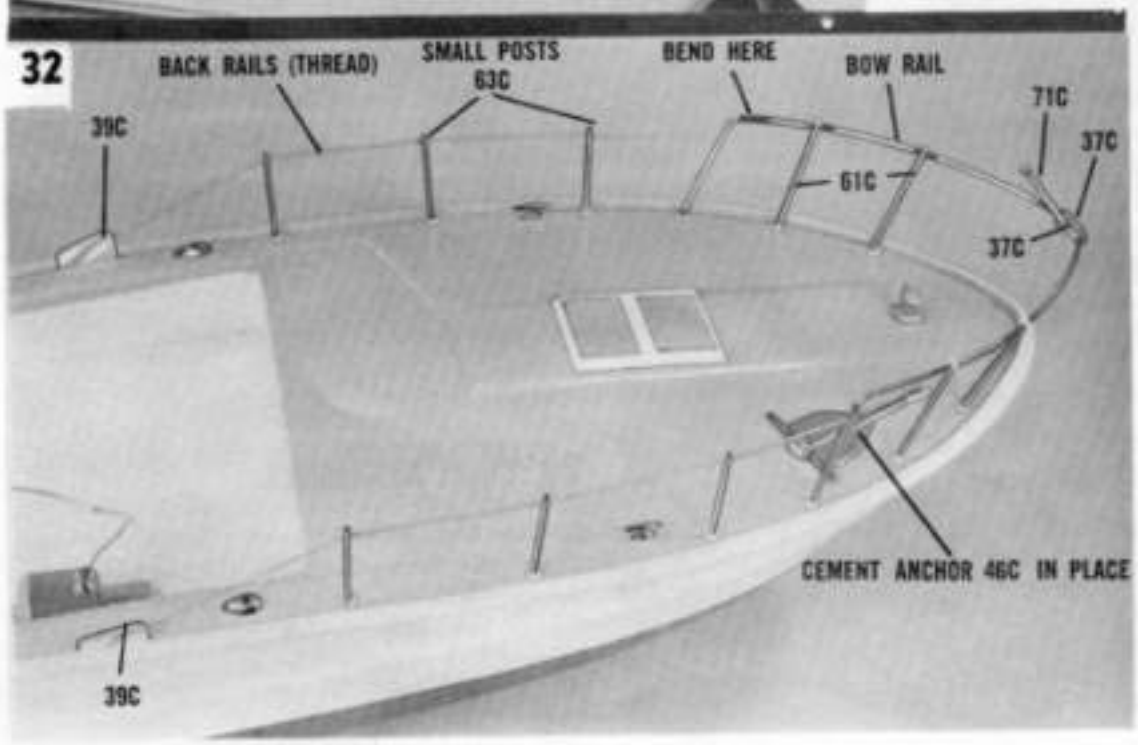
30 CHAIRS INSTALLED

Cement the three chairs in place as shown in the photo, then snap the ladder 36C into the ladder supports and cement the rear flag staff 48C in place. Next cement right 41C and left 40C side hand rails and the right and left boom supports 58C in place (see photo). Now cement the air horns 64C, hand rails 54C and the flybridge control console in place. Drill four holes into the cabin roof (DO NOT drill through the headliner), with a 9/64" drill. Next cement rail sockets 20W into roof, then cement the range light 47C and windshield in place.



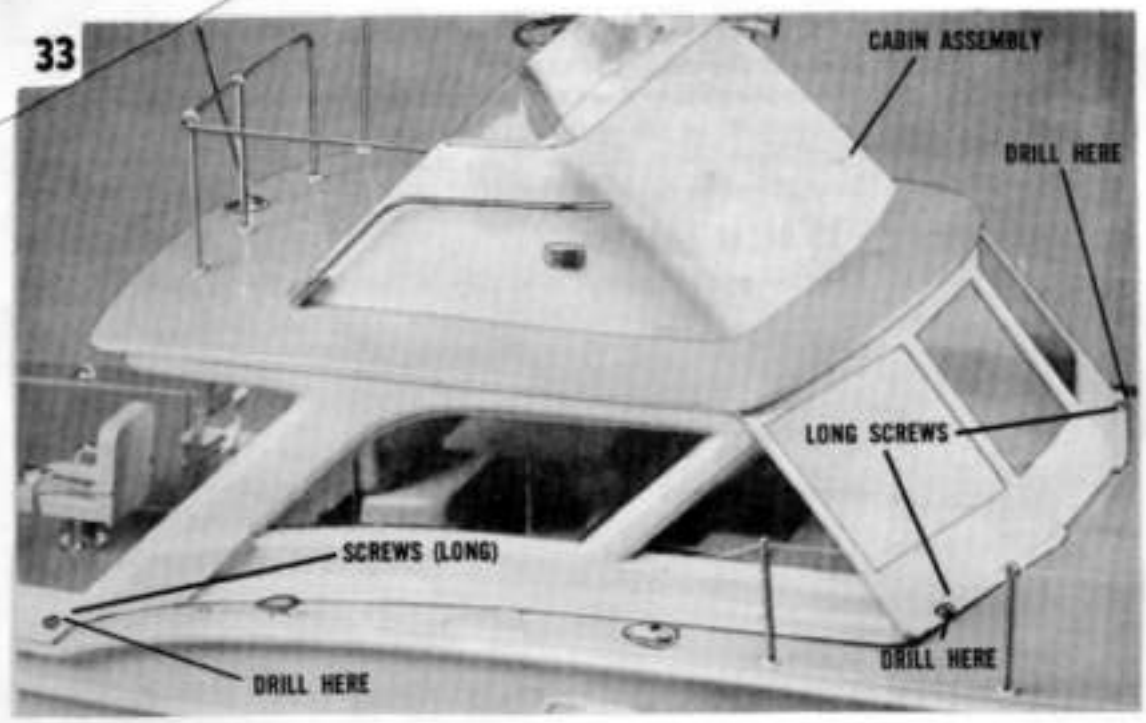
31 BENDING FLYBRIDGE RAIL

The wire rails for the flybridge have to be bent to shape, see page with full size outlines and bend both rails to the shape shown. NOTE—For the large double bend rail, bend one end of the rail to start then study the photo to see how the other bend should look. Use the dotted line for size of the second bend only, *DO NOT* make the second bend to the flat outline. Next drill holes in the sides of the flybridge (see photo) then slip two rail posts 62C onto the large double bend rail and cement then press rails and posts in place.



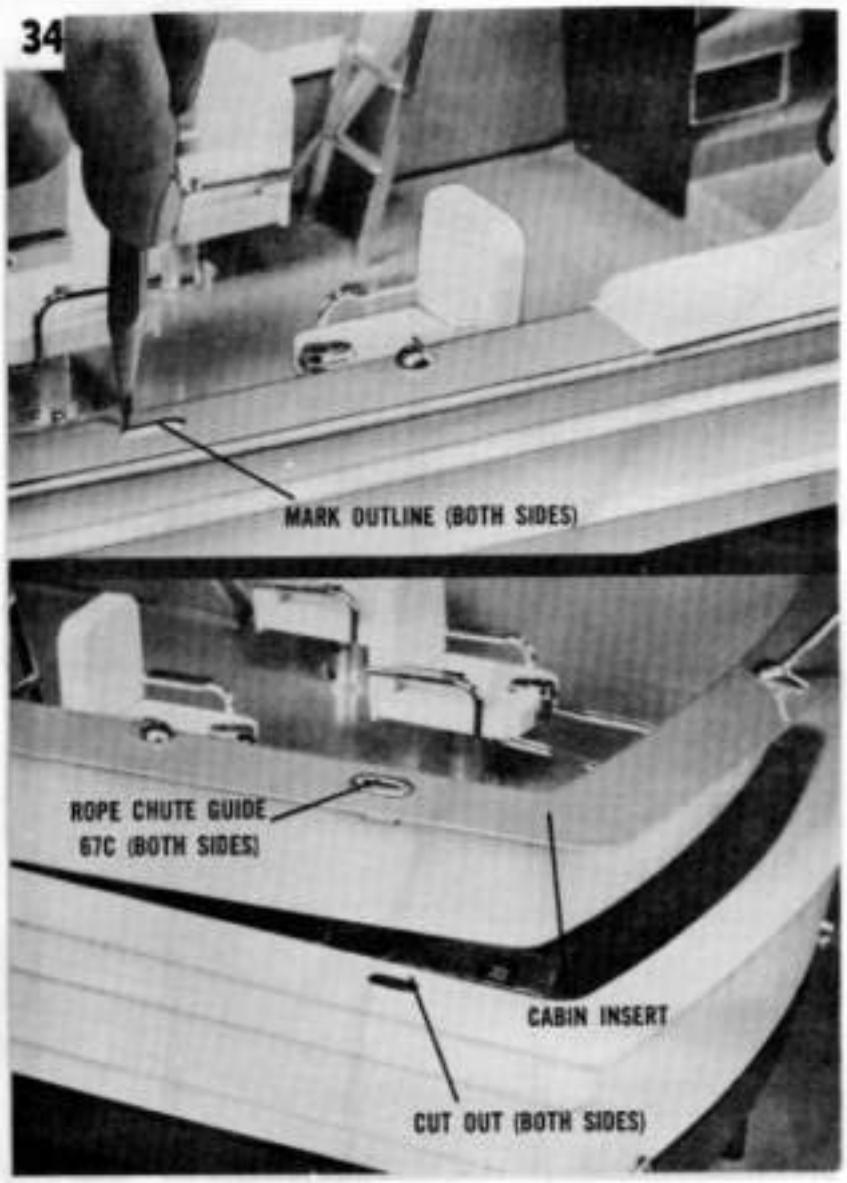
32 BENDING THE BOW RAILING

See the page with full size wire outlines and bend the bow rail to the shape shown. Next make the two end bends to the angle shown by the side view, (see photo with bow rail in place). Now slip four rail posts 61C onto the bow rail then cement and press the rail and posts into the deck sockets. Cement the six small posts 63C and the two tie downs 39C in place as shown in photo. Use thread for the back rails. Now cement parts 71C-37C to the bow rail.



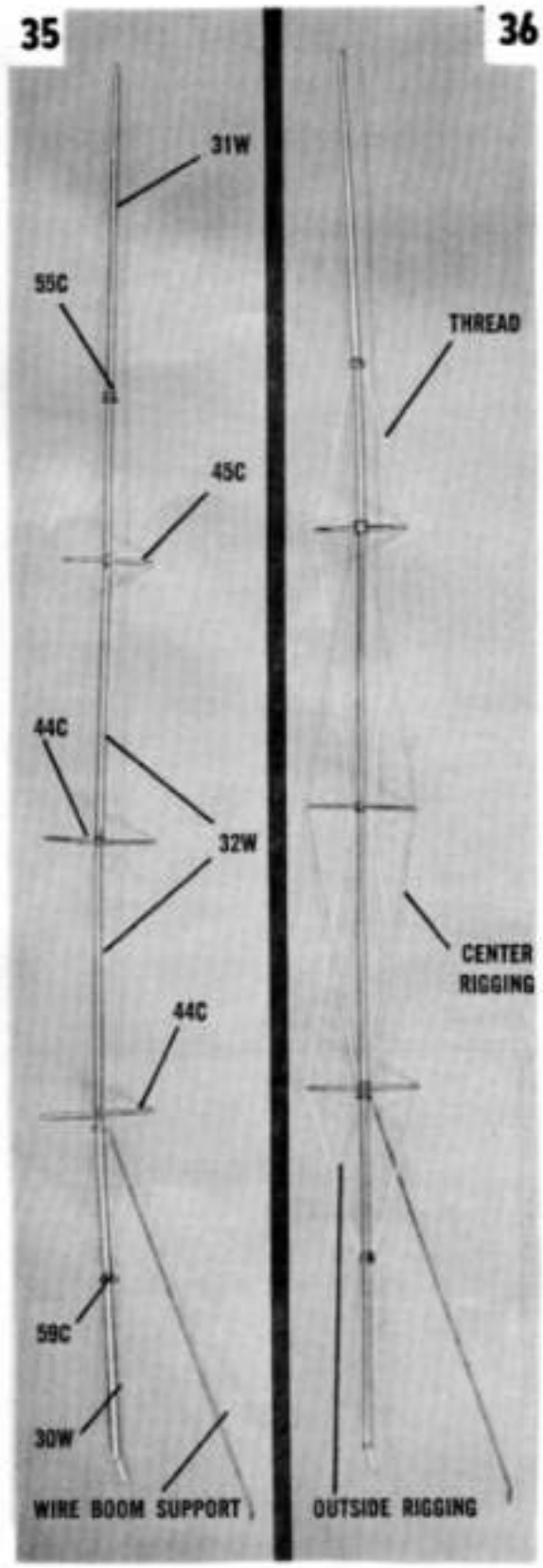
33 CABIN ASSEMBLY INSTALLATION

Fit the cabin assembly into the hull then drill two holes into the deck using the two holes in the windshield frame for the drill guide, (use a 1/16" drill). Next drill holes through the outside step plates as noted in the photo (use 1/16" drill). Now screw the cabin assembly to the deck (use 4 long screws). To replace batteries, remove the four hold down screws and lift the cabin assembly out of the hull.



34 ROPE GUIDE CHUTES INSTALLED

While the cabin assembly is still screwed to the deck, take a pencil and mark an outline for the rope chutes as shown in the photo (mark both sides of hull). Next take screws out of the deck and remove the cabin assembly, then cut openings for the rope chute guides 67C (see photo). Now cement parts 67C to the cabin insert only (DO NOT cement parts to the hull). The two rope chutes help hold the rear part of the cabin insert into the hull when the cabin insert is screwed to the deck.



35 BOOM ASSEMBLIES

NOTE—Remove plating from areas to be cemented. Slide boom support 59C onto boom section 30W and cement in place. Next bend both wire boom supports as shown in the full size diagrams. NOTE—Bend the flat outline with the loop first, then bend the loop and the bottom to the outline of the side view. Now slip the wire support onto the lower boom section and cement one wire spreader 44C in place. Boom parts are keyed for ease of assembly. Next cement boom sections 32W-31W into wire spreaders 44C-45C to complete the boom assembly, then cement collar 55C onto boom section 31W. Repeat assembly for second boom, (let booms dry overnight before handling).

SCRAPE PLATING FROM AREAS TO BE CEMENTED

36 BOOM RIGGING

When booms have dried, take the thread in the kit and rig both booms. Rig the center of the booms first then rig the outside of the booms. Rigging the booms will make them stronger and keep the booms from bending too much.

37

37 BOOM INSTALLATION

See the page with full size wire part outlines then bend the two small boom supports to shape over the outline. Next hook one end of the wire support to the side of the flybridge (both sides). Now insert the booms and boom braces into the deck, then hook the other end of the wire support to the boom (both sides).

38 DECAL LOCATIONS

See the finished picture of the Sport Fisherman for correct decal locations. The letters and numbers of the decal sheet can be used to make any boat name desired by the builder. Names go on the stern part of the boat.

FULL SIZE WIRE OUTLINES

Shown below are FULL SIZE outlines for all of the wire parts that must be bent to shape for this model. Bend wires over the outlines as noted in the assembly steps where wire parts are used. Check correct size by placing parts over the outlines.