

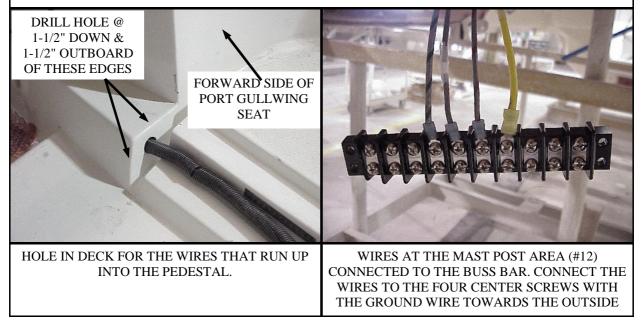
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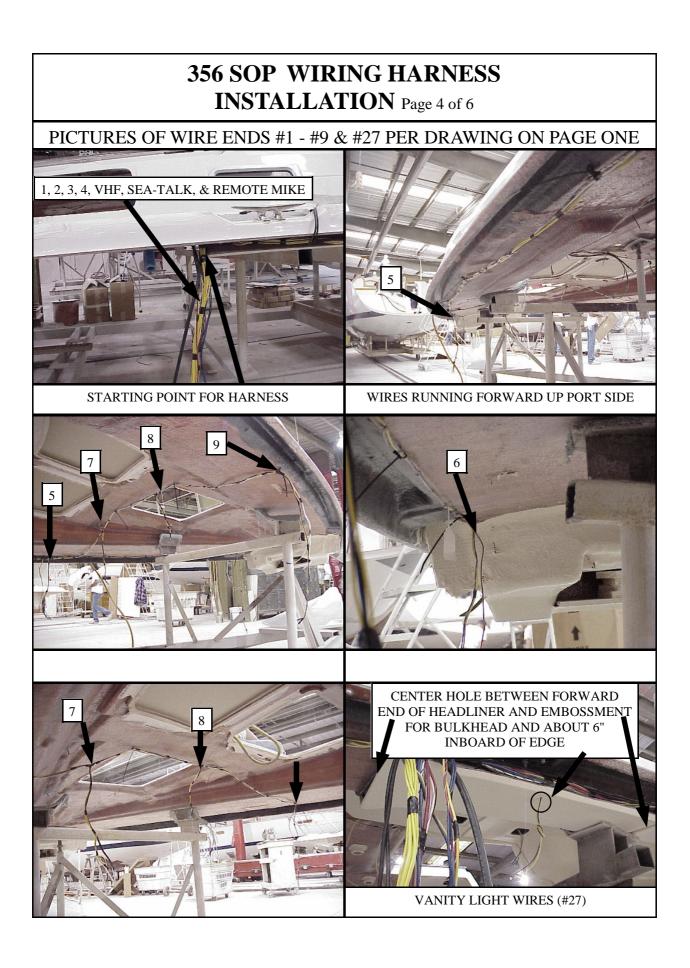
- 1. The drawing on the previous page shows the basic layout of the deck harness. The numbers on the drawing will be used often as reference points. The key to the right of the drawing list what the wires are for, the number on the wires, and the color of the wires. The wires that power the lights in the cabin are not numbered due to the amount of them, it is noted in the key whether the are inline (looped) or at the end of the line. The difference is the looped wires will have two blue wires and two yellow wires going to the connectors while the others will only have one of each.
- 2. 8" cable ties with eyes need to be attached the underside of the deck with #6 x 3/4" flathead screws where wood reinforcement is in the deck or where wood blocks are attached to the underside of the deck. Use good judgement in the placement of the cable ties as they will secure the harness to the underside of the deck. Several wires and cables will need to be added to the harness which include: (1) wind-speed cable (four wires (red, yellow, blue, green) inside a black sheath) that will go from the steering pedestal (#24) to the mast post (#12); (2) VHF coax cable that will go from the electric panel (#4) to the mast post (#12); (3) sea-talk and remote microphone that will go from the electric panel (#4) to the steering pedestal (#24).
- 3. The place where all the wires in the harness are bundled together will be considered the starting point, that part of the harness will be located at the forward-port corner of the headliner. The four shorter bundles of wires (#1-4) will be left hanging, they will be attached into the electrical panel after the deck has been attached to the hull. The other three bundles of wires will need to be identified using the drawing and chart on page 1.
- 4. The bundle of wires that run forward (#5-9) can be put in and the cable ties can tighten as no extra wires will added.
- 5. The bundle of wires that go inboard (#10-21) are all for cabin lights except #12 and will all be blue and yellow (except #12). Start this run by laying the bundle on top of the headliner (under the deck) then where the first split in the bundle occurs run the part that has the grey wires (#12) forward to the windshield then head starboard and come back aft. There are two long boards fiberglassed into the deck that run forward to aft approximately 18" outboard of the centerline. These boards are there to attach the whisper track to and the wires that are being run cannot go across the top of the boards. Run the wires approximately 3" to the outboard side of the port board then run starboard once the wires are forward of the boards. Finally run the wires back aft after they are on the outboard side of the starboard board (again approximately 3" to the outboard side). Cable ties for #13, 14, & 15 can be tighten but do not tighten the cable ties from #12 back.
- 6. The other part of the inboard bundle after the split (#16-21) should continue starboard just forward of the companionway walkthrough then run aft along the starboard side of the walkway until it reaches the headliner then run the wires starboard on top of the headliner to the starboard side of the deck. Continue by running the wires aft along the top edge of the headliner. Back at the beginning of this run, the #16 drop should be run aft over the top of the headliner and out the aft-outboard hole in the head liner. To run the #17 drop a 1-1/8" hole will need to be drill in the center of the round embossment located forward and/or outboard of the three square holes in the headliner. Use caution that not to drill all the way thru the deck, the pilot drill on the hole saw should not extend more than 1/2" past the hole saw. Once the hole has been drilled run the #17 drop thru the hole. The #19 drop should be run aft over the top of the head liner. All the cable ties for the 18-21 section can be tightened as no other wires will be added.
- 7. Before running the last bundle of wires add the seatalk, remote microphone and wind speed wires. Run the bundle of wires down on the floor along the side of the boat then at the end of the #24 bundle place the large end of the remote microphone wire, the other wires are the same on both ends so orientation is not an issue. Tape the wires to the harness working back to the starting point of the harness. Leave the remote microphone and the seatalk wires hanging at the electric panel area (#1,2,3,&4) as they will be wired into the panel later. Continue running the windspeed wire along the harness to reach the mast post area (#12). This is also a good time to run the VHF cable from the mast post area (#12) to the electric panel area (#1,2,3&4). The adapter that is on one end of the VHF cable will go to the mast post end (if this gets put in backwards the adapter can be unscrewed and screwed into the other end). Tighten up the tie-wraps that were left loose earlier in the harness installation.

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- Back to running the last bundle of wires (#22-26), coming from the starting point run aft along the top-8. outboard edge of the headliner to the aft-outboard corner of the headliner. Continue the #26 wire (the shorter blue, yellow wires in the bundle) down the outboard edge of the boat to the aft end of the lazerette compartment, place these wires in 3/8" flexible conduit and attach to the underside of the deck. Run the other wires inboard along the top-aft edge of the headliner. At this point the wires will need to be placed in 3/4" flexible conduit. Run the conduit all the way to the end of the #24 segment pulling the other three segments out of the harness where they split off. The #25 segment (double grey/yellow and double yellow will need to be placed in 1/2" conduit, run the conduit about 3' farther then the end of the segment so the conduit will also cover the stern light wire that will be connected to the harness. ape the conduit well where it splits off from the other conduit with black electrical tape. Continue running the harness inboard under the seat and down the wall of the cockpit area. Continue running aft along the bottom of the cockpit wall then place the wires on the aft end of the headliner. The arch light and speaker plug wires (#22) will stay here, it is an option and that the dealer will hook up. There will be two existing wires (one blue, one yellow) coming out of the aft end of the headliner that will need to be connected to the blue and yellow wire from the wire harness (#23) using the butt connectors that are attached to the harness wires. The double grey/yellow and double yellow wires (#25 that will be in the 1/2" conduit) will be hooked up to the stern light. On the starboard side of walk-thru will be a duplex wire running from the stern light, strip the wires back then connect the white wire from the stern light to the grey/yellow wires from the harness using the butt connector on the grey/yellow wires, connect the black to yellow wires in the same manner then run the extra conduit up the stern light wire.
- 9. Finally that leaves the wires that will run up the steering pedestal (#24). A 1-1/8" hole will need to be drilled in the deck on the forward side of the walk-thru on the port side of the boat near the bottom of the deck. Measure down 1-1/2" and outboard 1-1/2" for the location (see picture directly below for clarification). Put the wires thru this hole then coil them up out of the way until the pedestal is ready for them.
- 10. Now that harness is laid out there are only a few things left to do. First a 3/8" to 1/2" hole will need to be drilled into the headliner so a blue and a yellow wire (#27 5' long) can be run thru the headliner to the electric panel area, this wire will service the vanity light which will be installed later. The hole should be centered between the forward end of the headliner and the embossment for the bulkhead (see picture on bottom of page 4). Use caution not to drill thru the deck. Run the wire thru the hole then outboard to the harness. Leave about 6" out of the hole and tie a knot in the wires so they can't be pulled thru the hole. Follow the harness back to the starting point (about 16" forward) then leave the rest hanging with the other harness wires.
- 11. If the light stems are already installed run the appropriate wires thru the holes in the side of the stems and leave them hanging out the bottom hole. Also a buss bar will need to be connected to the anchor, steaming and decking lights along with the ground wire at the mast post (#12). These wires will have butt connectors on them which will need to be cut off then place blue spade connectors on the three hot wires and a yellow spade connector on the yellow ground wire. Connect these wires to the four screws in the center of the buss bar with the yellow ground wire at on end of the four wires (see picture below).





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PICTURES OF WIRE ENDS #10 - #21 PER DRAWING ON PAGE ONE

