

356 SOP NAVIGATION STATION CABINET

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1. The navigation station cabinet will need to have the AC and DC electric panels, snake river indicator, zinc saver, fluorescent light and map light installed and wired.

ELECTRICAL PANELS

1. There are two electric panels that go into the navigation station, the DC panel and the AC panel. The DC panel will always be the same and will go into the larger cutout (closest to the part of the cabinet that goes off at a right angle). The AC panel will always be the same size, which is smaller than the DC panel, but it can be the standard or the optional panel, which will be installed when the boat gets an air conditioning and/or a generator.
2. Open the hinge on the bottom of the electric panel then lay the electric panel in position so the hinge is laying flat on the bottom of the corresponding opening and pushed all the way back (if the radius has not been cut out of the bottom corners of the opening they will need to be). Secure the hinge to the cabinet using #6 x 1/2" P/H screws.
3. Close the electrical panel and secure the top of the panel to the cabinet using #6 x 1/2" P/H screws.
4. The DC panel will have several plugs attached to the wires that come from the panel, one of these plugs will plug into the plug that comes from the AC panel. The color wires on both of these plugs are blue, yellow, and green. Coil up the excess wire and tie-wrap together but leave enough slack so the panels can be opened.

SNAKE RIVER INDICATOR PANEL AND FUEL GAUGE

1. Place the indicator panel into the cutout located above and to the left of the electric panel (when looking at the front of the panel) then secure the panel to the cabinet using #6 x 1/2" P/H screws in each corner.
2. Plug the snake river indicator wire plug into the plug that comes from the DC panel with the following color wires; orange/blue, 2 pinks, pink/black, orange, red/orange, yellow/white, and orange/white.
3. Secure the wires to the cabinet neatly using tie-wraps with eyes and #6 x 1/2" P/H screws.

MAP LIGHT AND FLUORESCENT LIGHT

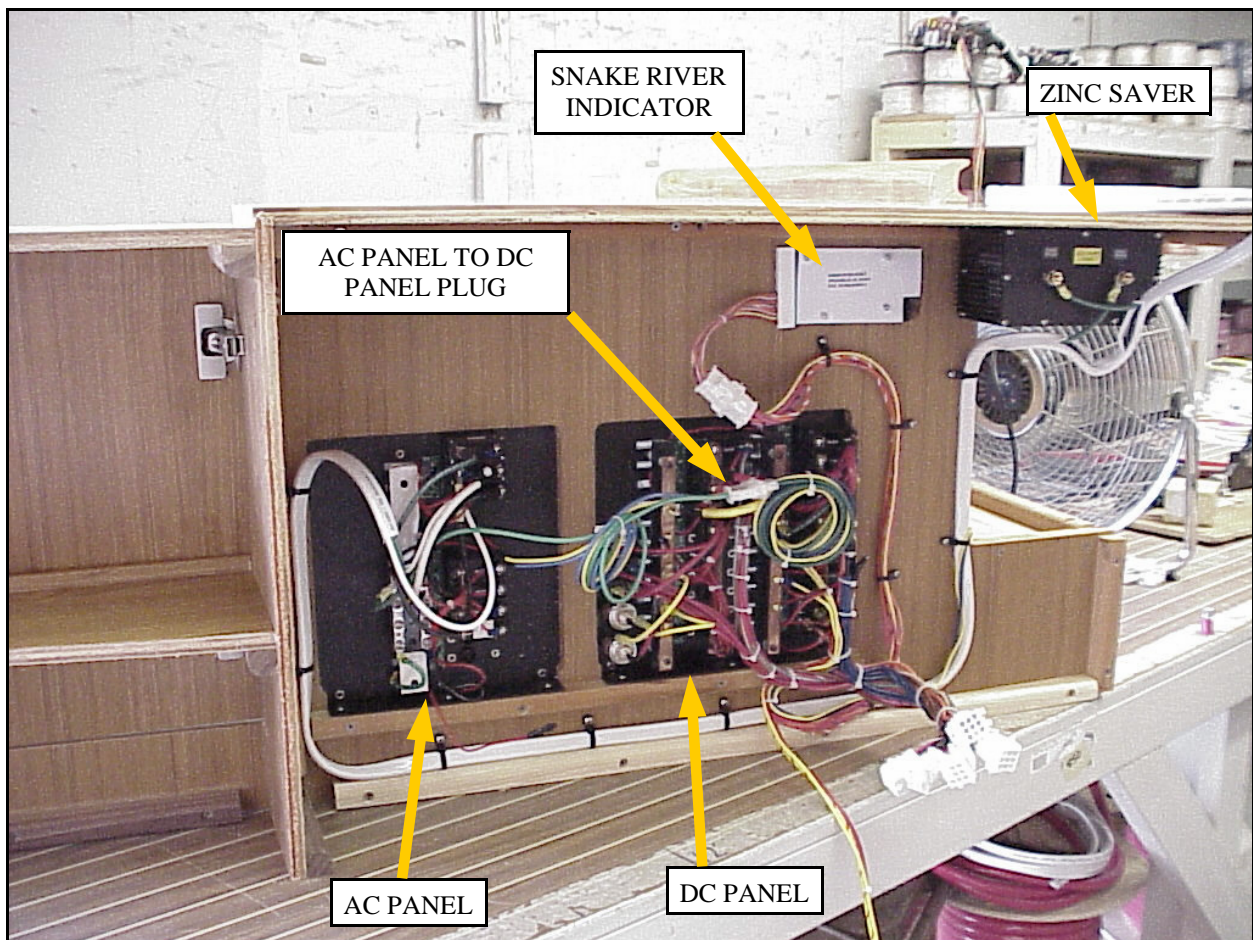
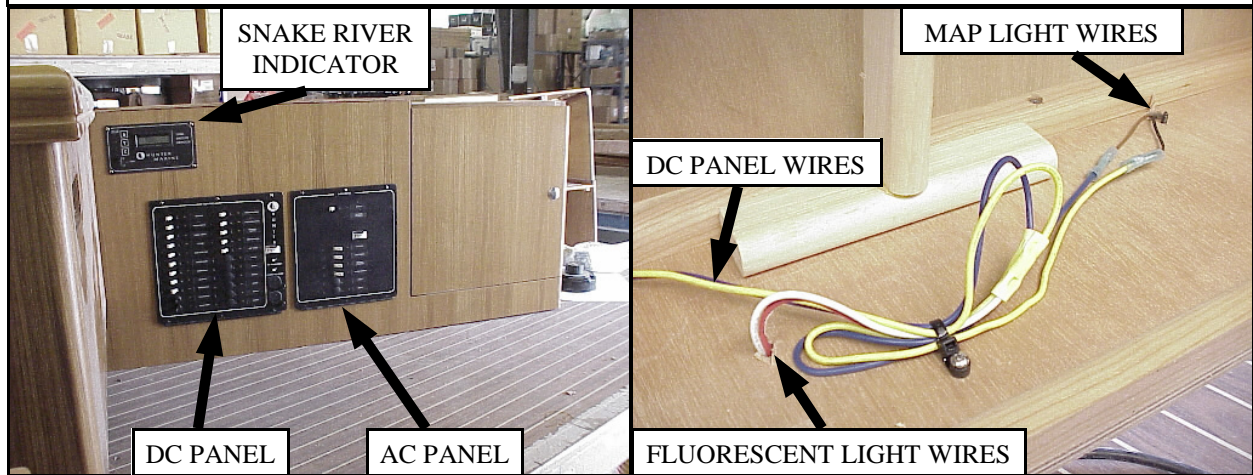
1. The lights will mount under the part of the cabinet that is at a right angle to the part with the electric panel in it.
2. Snap the cover off the fluorescent light then remove the bulb and the white reflective panel to have access to the mounting holes.
3. Run the wires thru the hole for the fluorescent light (about 3" back from the batten) then position the edge of the light so it is 3-1/2" back from the front face and 10" in from the end and the switch on the light is facing the front of the panel. Secure the light to the cabinet using #6 x 1/2" P/H screws. Replace the reflective panel, bulb and cover.
4. Run the wires from the map light thru the other hole (right next to the batten) then secure the light to the cabinet using the screws that come with the light.
5. Take the long blue and yellow wires from the DC panel and using butt connectors connect the blue wire to the brown wire from the map light and the yellow wire from the panel to the black wire from the map light.
6. Cut the blue and yellow wire in the appropriate place to be able splice the wires from the fluorescent light inline using butt connectors. The red wire from the fluorescent light will go with the blue wire and the white wire from the fluorescent light will go with the yellow wire. Usable

SHORE POWER WIRE & ZINC SAVER

1. Looking at the back of the electrical panel position the zinc saver under the top of the cabinet so the post are facing towards you, the zinc saver should be positioned to the right (about 1" from the batten) and slid as far in as it can be.
2. Secure the zinc saver to the cabinet top using #10 x 1/2" P/H screws.
3. Cut about 10" of the outer sheathing from one end of the shore power cable (27' 10/3 romex) then strip the insulation on all the wires back 5/8". Attach 3/16" yellow eye terminals to the end of each wire. Attach the ground (green) wire to the buss bar in the AC panel, the white (neutral) wire to the middle connector on the back of the switch, and the black (power) wire to the bottom connector on the back of the switch (see pictures).
4. Leave enough slack in the shore power cable so the electric panel can be opened all the way then run the cable down between the wall and the panel then along the batten on the bottom of the cabinet then back up the edge under the zinc saver (see pictures). Attach the shore power cable to the cabinet about every 6" using tie-wraps with eyes. Under the zinc saver cut a slit in the middle of the shore power cable to expose the ground (green) wire (use caution not to cut the insulation on any of the wires). Cut the ground (green) wire then strip 5/8" of insulation on both ends. Connect 1/4" yellow eye terminals to the ends of the wires then connect the wire coming from the panel to the post on the zinc saver marked "Bonding System". Connect the other end to the post marked "AC Inlet Ground". Leave the rest of the roll of shore power cable on top of the cabinet.

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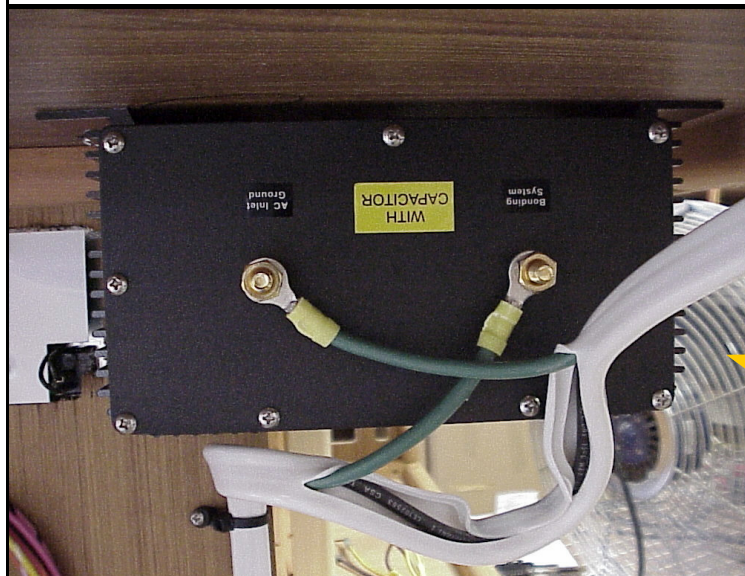
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BACK OF NAVIGATION STATION
NOTICE HOW WIRES ARE SECURED TO THE CABINET IN A PROFESSIONAL MANNER

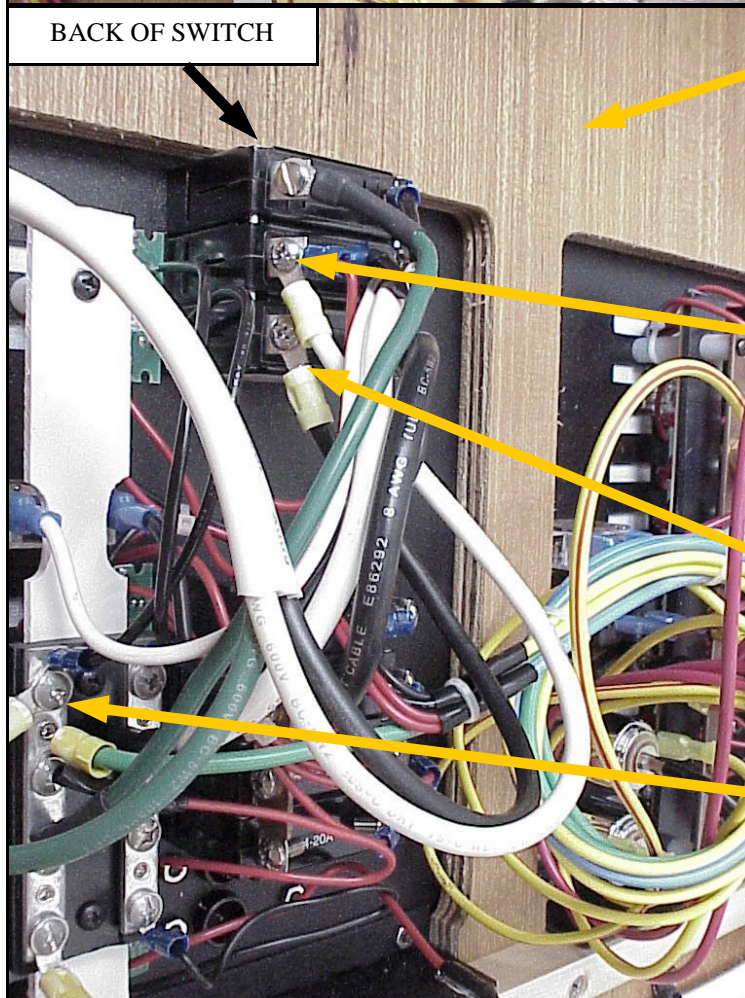
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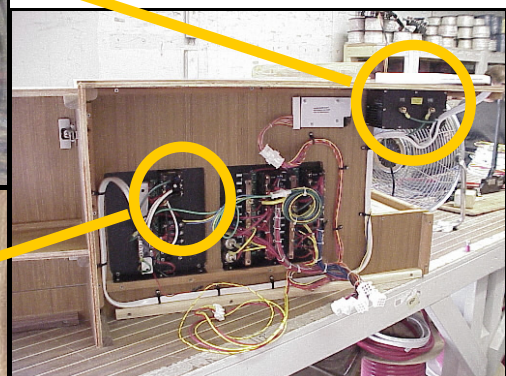


ZINC SAVER WIRED TO GROUND IN THE SHORE POWER CABLE (27' OF 10/3 ROMEX)

NOTICE WIRE FROM AC PANEL GOES ON THE RIGHT POST (LABELED "SYSTEM BONDING") AND THE WIRE THAT WILL GO TO THE END OF THE BOAT IS ON THE LEFT POST (LABELED "AC INLET GROUND")



BACK OF SWITCH



SHORE POWER CABLE WIRED TO THE BACK OF AC PANEL

NEUTRAL (WHITE) WIRE CONNECTED TO MIDDLE TERMINAL ON THE BACK OF THE SWITCH

POWER (BLACK) WIRE CONNECTED TO BOTTOM TERMINAL ON THE BACK OF THE SWITCH

GROUND (GREEN) WIRE CONNECTED TO BUSS BAR