

Pendant Repair

ShoreStation has had reports of water infiltrating our four-button pendant controller supplied with the earlier versions of the **ShoreStation Hydraulic** boat hoist. In some cases, the water accumulates inside the housing of the pendant controller, eventually causing the contacts and connections to corrode. This will lead to the pendant controller not operating properly.

ShoreStation recommends that in the event that you have customers with four-button pendant controller on their hoist, you perform the following steps to eliminate water getting into and contaminating the internal mechanism of the controller.

Step 1



Remove the six screws that hold the back of the controller housing to the main section. Remove the rear cover.

Step 2



Measure across the bottom side of the controller housing as shown. It measures 2 1/4". Place a mark at the half way point (1-1/8").

Hook the tape over the rear edge of the main section as shown, then place a mark at 5/8" so it crosses the first mark just placed.

Drill a 3/16" diameter hole at the marked location. **IMPORTANT:** Drill the hole slowly and carefully, so as the bit breaks through the housing you don't damage the relay switch inside.

Clean all of the connections inside the pendant. If the terminals appear to be corroded, remove the screws holding the wires. Remove and clean the terminals one at a time to get the correct wires reconnected. If all the wires are removed at one time, mark or note what wires are connected to each terminal. Remove corrosion using emery cloth or wire brush, so the contact surfaces of the wire ends and the screw terminal surfaces can make good connection. Once cleaned, connect the wires to the appropriate terminals. Spray all connections with WD40 to limit future corrosion.

Align the rear cover just removed. Replace the six screws removed earlier. Tighten.

Step 3



Remove the wire retainer bracket from the top side of the controller housing by removing the two screws. Note that this bracket contains a rubber grommet around the wires that lead into the pendant.

Place a bead of silicone sealer around the beveled surface of the controller housing where the rubber grommet fits. Place the rubber grommet into the silicone sealer and secure it in place using the retainer bracket just removed. Re-install the screws and tighten. Allow the silicone sealer to set up before moving and installing on the hoist.

After the silicone has dried, reconnect the pendant to the hydraulic pump. System is ready to use.