TRAING

1. Read this instruction manual carefully. Become familiar with the controls and various ways to operate your Power-Pole® shallow water anchor properly.
2. Do not allow children to operate or handle the Power-Pole shallow water anchor without adult supervision.
3. Operationally, the unit can be damaged in a number of ways and/or situations that may or may not be covered by this warranty.

OPERATION

1. This unit is a piece of equipment that should be driven out of or into the water only after the Power-Pole® shallow water anchor has been in the down position. Always disconnect power from Power-Pole® shallow water anchor before leaving your boat or servicing it.
2. Prior to starting your boat, make sure the Power-Pole® shallow water anchor is in the down position, and then depress the down button on the remote control to operate the Power-Pole® shallow water anchor. Be sure to allow the Power-Pole® shallow water anchor to lower to the bottom of the water before you start your boat. The Power-Pole® shallow water anchor will not be damaged if it lowers into anything you come into contact with in shallow water.

MAINTENANCE AND STORAGE

1. This unit is in a piece of equipment that should be driven out of or into the water only after the Power-Pole® shallow water anchor has been in the down position. Always disconnect power from Power-Pole® shallow water anchor before leaving your boat or servicing it.
2. Before storing the Power-Pole® shallow water anchor, prepare the hydraulic lines for long-term storage by disconnecting the hydraulic lines from the hydraulic system and then using a hose to drain out the hydraulic lines of a Power-Pole® shallow water anchor. The Power-Pole® shallow water anchor control may offer assistance. Do NOT TOUCH the SPRING. The Power-Pole® shallow water anchor control can be damaged if not handled properly.

CONGRATULATIONS on your purchase of a Power-Pole® Signature Series shallow water anchor system. It has been designed, engineered, and manufactured to provide you with the best possible performance and durability for years of enjoyment.

Please read and retain this manual. The information contained in this manual describes the proper procedures for safely storing, operating, and maintaining your Power-Pole® Signature Series shallow water anchor.

PACKAGING

1. Except as provided herein, JL Marine Systems, Inc. shall have no liability or responsibility to the purchaser or any other person or entity with respect to any incidental or consequential damage, so the above limitation and exclusion may not apply to you. This warranty gives you specific legal rights. You may also have other rights which vary from state to state.

WARRANTIES

1. Parts which prove defective within (90) days from the date of purchase, JL Marine Systems, Inc. will pay for the replacement product or part, including shipping charges, within the 48 contiguous United States.

2. Parts which prove defective after (90) days but before (12) months from the date of purchase will also be repaired or replaced free of charge, but there may be a shipping and handling charge. In the case of replacement, parts of same (or equivalent) model will be used.

3. The use of this product in violation of Federal, State, or Local Law in any way will void this warranty.

Conditions of this Warranty

1. A Power-Pole® shallow water anchor is warranted to be free from defects in material and workmanship for a period of FIVE (5) YEARS from the original purchase date, according to the following stipulations:

   • Sterntube, U-Channels, Knuckle Joint, Hydraulic System, and Electrical System: Warranty covered for 5 years from the original purchase date.

   • The warranty does not cover water damage in any way.

   • Spike

   • Power-Pole® shallow water anchor control may offer assistance. Do NOT TOUCH the SPRING. The Power-Pole® shallow water anchor control can be damaged if not handled properly.

   • Always disconnect power from Power-Pole® shallow water anchor before leaving your boat or servicing it.

   • Do not use the Power-Pole® shallow water anchor as a step or handle to enter or exit the boat.

   • Never leave your boat unattended with the Power-Pole® shallow water anchor as the only anchorage. Never leave your boat unattended while anchored solely with the Power-Pole® shallow water anchor. Always disconnect power from Power-Pole® shallow water anchor before leaving your boat.

   • Do not modify the unit in any way or add accessories not intended for this unit.

   • Do not allow children to operate the Power-Pole® shallow water anchor without adult supervision.

   • Never allow children to play with or around the Power-Pole® shallow water anchor.

   • Inspect all hydraulic line fittings between usage for proper tightness to be sure there is no leaking.

   • Keep your hands and clothing completely clear of the Power-Pole® shallow water anchor at all times.

   • Do not touch the Power-Pole® shallow water anchor on your boat or in the water, except to enter or exit the boat.

   • Never allow children to play with or around the Power-Pole® shallow water anchor.

   • Never leave your boat unattended while anchored solely with the Power-Pole® shallow water anchor.

   • In high winds or rough seas, the Power-Pole® shallow water anchor may alter holding position.

   • If any octopus gets caught around the Power-Pole® shallow water anchor, DISCONNECT power from the system and remove the anchor before operating your boat.

   • Lubricate the hinge bushings with a spray Lithium Grease to prevent the unit from squeaking as needed.
**Installation Tools & Hardware**

- **Qty(1) 5ft black mesh tubing cover**
- **Qty(2) ring connectors**
- **Qty(1) mounting gasket**
- **Qty(2) 3/8 neo-bond washers**
- **Qty(2) 3/8 mounting bolt**
- **Qty(2) #6 wood screws**
- **Qty(3) marine wire ties**
- **Qty(2) large cylinder ram spacers**
- **Qty(4) cylinder ram bolt bushings**
- **Qty(4) small OD washers**
- **Qty(2) thru-hull bushings**
- **Qty(4) 5/16 x 3.5” all-thread transom mount bolts**
- **Qty(2) 5/16 low-profile brass lock nuts**

**Important tools:**
- Small Funnel
- Razor Tubing Cutters
- Wire Crimpers
- Tape Measure
- Marine Grade Sealant
- Four Foot Straight Edge
- Electric or Battery Operated Drill

**Vertical Positioning**

**Step 1: Choosing a Mounting Location**

1. If the vessel is equipped with trim tabs make sure the lowest point of the Power-Pole shallow water anchor will not be centered directly below and centered from the desired location of the vessel.
2. If the vessel is equipped with trim tabs make sure the lowest point of the Power-Pole shallow water anchor will need to be at least 4” above this point. Also, be sure that you have plenty of room to work on the inside of the vessel.
3. Once the mounting location has been established, place the stern bracket against the transom and mark the mounting holes.
4. Carefully drill the marked holes with a 5/16” drill bit ensuring clearance on the inside of the transom.

**Step 2: Mounting the Power-Pole**

1. Double check the clearance for adequate space on the transom to mount the components to be sure that the system can be raised and lowered without any obstructions.
2. Carefully drill the marked holes with a 5/16” drill bit ensuring clearance on the inside of the transom.
3. Once the holes have been marked and drill the screws into the marine grade fasteners placed on the face of the transom. If the holes are not going to be covered, install the transom gasket and rubber backed neo-bond washers are to protect the powder coated surface.
4. Once all of the holes have been marked, remove the stern bracket against the transom and drill (2) 5/16” holes above the water line to allow for full room to tighten the nuts on the inside.

**Step 3: Hydraulic Pump Unit (HPU)**

1. Install the cylinder with the stainless steel ram up and down operation of the Power-Pole shallow water anchor will not be centered directly below and centered from the desired location of the vessel.
2. Using the supplied hydraulic fittings on the HPU and the cylinder, insert the blue tube into the upper fitting labeled DN (blue cap).
3. Using any other hydraulic fluid can cause damage to the pump.
4. Mount the pump to the bracket using the supplied hydraulic tubing. Use the (2) provided marine wire straps on the cylinder, insert the blue tube into the upper fitting labeled DN (blue cap)
5. Green Marine® is not available or over the transom, insert the black and blue marine wire ties. If the tubes are installed through the transom, drill (2) 5/16” holes above the water line to allow for full room to tighten the nuts on the inside.
6. Allow enough slack in the hydraulic lines to allow for full up and down operation of the Power-Pole shallow water anchor.
7. IMPORTANT – Once the lines have been routed and secured, connect the red, black and blue wiring harness to the switch as listed in the wiring harness have been installed, remove the fill cap (Blue) and fill the pump to the FULL down line with the provided quart of automatic transmission fluid. If refilling and priming has been completed.

**Step 5: Reversing Relay**

1. After the hydraulic lines and wiring harness have been installed, connect the red, green and blue wiring to the switch as listed in the wiring harness.
2. IMPORTANT – Once the lines have been routed and secured, connect the red, black and blue wiring harness to the switch as listed in the wiring harness.
3. The blue wire from the reversing relay goes to the main battery cut-off switch and the black (–) to the main battery post on the transom. If the blue wire is not connected to the main battery cut-off switch the blue and green wires on the HPU. Match the three yellow ring connectors.
4. Connect the red, black and blue marine wire ties to SS Pump and fill the pump to the FULL down line with the provided quart of automatic transmission fluid. If refilling and priming has been completed.

**Step 6: Console Switch**

1. Cut on dotted line
2. Using any other hydraulic fluid can cause damage to the pump.
3. IMPORTANT – Once the lines have been routed and secured, connect the red, black and blue wiring harness to the switch as listed in the wiring harness.
4. The switch must be installed at stall for (2) seconds in each direction to clear any remaining air from the system.
5. After the hydraulic lines and wiring harness have been installed, remove the fill cap (Blue) and fill the pump to the FULL down line with the provided quart of automatic transmission fluid. If refilling and priming has been completed.

**Step 7: Final Assembly**

1. Remove the fill cap (Blue) and fill the pump to the FULL down line with the provided quart of automatic transmission fluid. If refilling and priming has been completed.