TRAINING

If this is your first time using a Power-Pole® shallow water anchor system, read and retain this manual. Suitable for boats up to 24 feet and weighing up to 6500 pounds. 

Before using your Power-Pole shallow water anchor system, read and retain this manual. Suitable for boats up to 24 feet and weighing up to 6500 pounds. 

OPERATION

1. Pull the lever to lower the Power-Pole® shallow water anchor unit from park position. If the Power-Pole® shallow water anchor is beyond reach it can be lowered using the manual override. 
2. Pull the lever to lower the Power-Pole® shallow water anchor from the stowed position. 
3. Always make sure the Power-Pole® shallow water anchor is in the full up position when not in use. 
4. Thoroughly rinse all moving parts after each use. 
5. Keep the hydraulic reservoir filled within the indicator marks at all times. 
6. Make sure all power connections are secure and free of corrosion once every three months. 
7. Never allow children to operate the Power-Pole® shallow water anchor without adult supervision. 
8. Never allow children to play with or around the Power-Pole® shallow water anchor. 

CONGRATULATIONS on your purchase of a Power-Pole® Sportsman shallow water anchor system. It has been designed, engineered, and manufactured to provide the best possible performance and safety for years of everyday use. Please read and retain this manual. The information contained in this manual describes the proper procedures for safely installing, operating and maintaining your Power-Pole® shallow water anchor.

CONGRATULATIONS on your purchase of a Power-Pole® Sportsman shallow water anchor system. It has been designed, engineered, and manufactured to provide the best possible performance and safety for years of everyday use. Please read and retain this manual. The information contained in this manual describes the proper procedures for safely installing, operating and maintaining your Power-Pole® shallow water anchor.

MAINTENANCE AND STORAGE

1. Hydrostatic locks have been provided to prevent the loss of water and allow easy installation of the Power-Pole® shallow water anchor to the boat stern. 
2. All hydraulic lines must be flushed before storage to prevent rusting. 
3. Improper hydraulic line flushing can cause excessive frictional losses which may cause leaks. 
4. Improper hydraulic line flushing between usage for storage conditions can lead to leaks. 
5. All hydraulic lines must be flushed before storage to prevent rusting. 
6. Improper hydraulic line flushing can cause excessive frictional losses which may cause leaks. 
7. Improper hydraulic line flushing between usage for storage conditions can lead to leaks. 
8. Improper hydraulic line flushing can cause excessive frictional losses which may cause leaks. 
9. Improper hydraulic line flushing can cause excessive frictional losses which may cause leaks. 

CAUTION: Do not use the Power-Pole® shallow water anchor as your primary anchorage. Never leave your boat unattended while anchored solely with the Power-Pole® shallow water anchor.

Three (3) YEAR LIMITED WARRANTY

1. Parts which prove defective within (90) days from the date of purchase, JL Marine Systems, Inc. will pay for the replacement product or refund purchase price. 
2. Parts which prove defective within (12) months from date of purchase will be repaired or replaced free of charge. 
3. Parts which prove defective after (12) months will also be repaired or replaced free of charge, but there may be a shipping and handling charge, but there may be a shipping and handling charge. 
5. This warranty is void if the Power-Pole® Sportsman Series shallow water anchor is used commercially, structurally altered or subject to stress beyond the physical limits of the manufactured material. 
6. This warranty does not cover: 1) defects caused by improper assembly or disassembly; 2) defects occurring after purchase due to product modification, intentional damage, accident, misuse, abuse, negligence or exposure to corrosive elements; 3) cosmetic damage and 4) labor or assembly costs. 

INSTRUCTION MANUAL

Read this instruction manual carefully. Become familiar with the controls and how to use your Power-Pole® shallow water anchor system safely.

POWER-POLE® Shallow Water Anchor System

OWNER’S INSTRUCTION MANUAL

Sportsman Series Power-Pole® Shallow Water Anchor

Manufactured by JL Marine Systems, Inc. 9208 Palm River Road, Suite 303, Tampa, Florida 33619
Phone 813-689-9932  Fax 813-689-8883 www.power-pole.com

CAUTION: Read this instruction manual carefully. Become familiar with the controls and how to use your Power-Pole® shallow water anchor system safely.

US Pat No. 6,041,730
Lubricate the hinge bushings periodically with a spray Lithium Grease to prevent the Power-Pole® shallow water anchor from seizing.

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

If any debris gets caught around the Power-Pole® shallow water anchor, DISCONNECT power at all times.

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

OPERATION

Read this operator's manual carefully. Become familiar with the controls and know how to use the unit properly.

Always make sure the Power-Pole® shallow water anchor is in the full up position when not in operation.

Always ensure the hydraulic reservoir is filled within the indicator marks at all times.

Inspect all hydraulic lines between usage for possible chaffing or damage from kinking or abrasion.

Inspect all nuts, bolts and screws after 100 cycles of usage for proper tightness to be sure the Power-Pole® shallow water anchor is in safe working condition.

Inspect all hydraulic line fittings between usage for proper tightness to be sure there are no leaks.

Make sure all power connections are secure and free of corrosion once every three months.

Inspect all tubing between usage for possible chaffing or damage from kinking or abrasion.

Keep the hydraulic reservoir filled within the indicator marks at all times.

Thoroughly clean all moving parts after each use.

Always store un-used Power-Pole® shallow water anchor in its full up position when the boat is not on the water.

CAUTION:

Do not use the Power-Pole® shallow water anchor as your primary anchorage. Never leave your boat unattended while anchored solely with the Power-Pole® shallow water anchor.

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

It has been designed, engineered, and manufactured for personal use only.

This warranty is void if the Power-Pole® Sportsman Series shallow water anchor is used commercially, structurally altered or subject to stress beyond the physical limits of the manufactured material.

Three (3) YEAR LIMITED WARRANTY

This warranty is in effect for three (3) years from the date of purchase. Power-Pole® Sportsman Series shallow water anchor systems are covered for three (3) years from the date of purchase.

For a period of three (3) years from the date of purchase, Power-Pole® Sportsman Series shallow water anchor systems are warranted against defects in material and workmanship to the original owner, as follows:

1. Power-Pole Sportsman Series shallow water anchor systems are warranted against defects in material and workmanship to the original owner for a period of three (3) years from the date of purchase.

2. The Prime Source Pump (Sportsman Pump) is warranted against defects in materials and workmanship, for a period of three (3) years from the date of purchase.

3. The complete assembly of the Power-Pole® shallow water anchor is warranted against defects in material and workmanship, for a period of three (3) years from the date of purchase.

4. This warranty does not cover abrasion or abnormal abuse, nor does it cover the Power-Pole® shallow water anchor for anything other than its intended use.

Maintenance and Storage

GASOLINE: Hydrogen bonds have a high tensile strength, decomposing the lens and causing sudden high-temperature failures. Do not use gasoline to clean or maintain the Power-Pole® shallow water anchor.

Impaired hydraulic line fittings between usage for proper tightness to be sure there are no leaks.

Inspect all tubing between usage for possible chaffing or damage from kinking or abrasion.

Keep the hydraulic reservoir filled within the indicator marks at all times.

Thoroughly clean all moving parts after each use.

Always store un-used Power-Pole® shallow water anchor in its full up position when the boat is not on the water.

Lubricate the hinge bushings periodically with a spray Lithium Grease to prevent the Power-Pole® shallow water anchor from seizing.

Shipping costs and insurance, if any, are the responsibility of the customer. Return shipping and handling fees to and from the JL Marine Systems, Inc. manufacturing plant or some other place which JL Marine Systems, Inc. might designate.

3. A Spike

4. A Cylinder

5. A Cylinder

1. A Parts

2. The

3. The

4. This warranty does not cover abrasion or abnormal abuse, nor does it cover the Power-Pole® shallow water anchor for anything other than its intended use.

2. The Prime Source Pump (Sportsman Pump) is warranted against defects in materials and workmanship, for a period of three (3) years from the date of purchase.

3. The complete assembly of the Power-Pole® shallow water anchor is warranted against defects in material and workmanship, for a period of three (3) years from the date of purchase.

4. This warranty does not cover abrasion or abnormal abuse, nor does it cover the Power-Pole® shallow water anchor for anything other than its intended use.

These power systems are in compliance with all applicable Federal and state laws and regulations. For more information, please visit our website or call us at 813-689-9932.

9208 Palm River Road, Suite 303, Tampa, Florida 33619
Phone 813-689-9932  Fax 813-689-9932
www.power-pole.com

CAUTION: Read this instruction manual carefully. Become familiar with the controls and know how to operate the Power-Pole® shallow water anchor safely.

Always store un-used Power-Pole® shallow water anchor in its full up position when the boat is not on the water.

Lubricate the hinge bushings periodically with a spray Lithium Grease to prevent the Power-Pole® shallow water anchor from seizing.

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

OPERATION

Read this operator's manual carefully. Become familiar with the controls and know how to use the unit properly.

Always make sure the Power-Pole® shallow water anchor is in the full up position when not in operation.

Always ensure the hydraulic reservoir is filled within the indicator marks at all times.

Inspect all hydraulic lines between usage for possible chaffing or damage from kinking or abrasion.

Inspect all tubing between usage for possible chaffing or damage from kinking or abrasion.

Keep the hydraulic reservoir filled within the indicator marks at all times.

Thoroughly clean all moving parts after each use.

Always store un-used Power-Pole® shallow water anchor in its full up position when the boat is not on the water.
CONGRATULATIONS on your purchase of a Power-Pole® Sportsman shallow water anchor system. It has been designed, engineered, and manufactured to provide the best possible performance and dependability for years of enjoyment.

ORDERING INFORMATION

The serial number is found on the铭牌 attached to the hydraulic cylinder of your Power-Pole® shallow water anchor.

MAINTENANCE AND STORAGE

- Hydraulic hoses should be carefully protected from physical damage. Always replace damaged hoses with genuine Power-Pole replacement parts. Failure to replace damaged hoses with genuine Power-Pole® replacement parts will void the warranty of the Power-Pole unit.
- All hydraulic line fittings between usage for power leakages to be in such a way as to ensure no leaks.
- All screw connections must be properly tightened in accordance with the tightening torques.
- Thoroughly rinse all moving parts after each use.
- Keep the hydraulic reservoir filled within the indicator marks at all times.
- Make sure all power connections are secure and free of corrosion once every three months.
- Thoroughly rinse all moving parts after each use.
- Keep your hands and clothing completely clear of the Power-Pole® shallow water anchor during operation.

TRAINING

- Do not use the Power-Pole® shallow water anchor as a step or handle to enter or exit the boat.
- Always make sure the Power-Pole® shallow water anchor is in the full up position when the boat is on the trailer.
- Do not allow children to operate the Power-Pole® shallow water anchor without adult supervision.
- Do not allow children to operate the Power-Pole® shallow water anchor without adult supervision.
- Do not leave your boat unattended while anchored solely with the Power-Pole® shallow water anchor.
- Always make sure the Power-Pole® shallow water anchor is in the full up position when the boat is on the trailer.
- Do not use the Power-Pole® shallow water anchor as a step or handle to enter or exit the boat.
- Always make sure the Power-Pole® shallow water anchor is in the full up position when the boat is on the trailer.
- Do not allow children to operate the Power-Pole® shallow water anchor without adult supervision.

Three YEAR LIMITED WARRANTY

Power-Pole Sportsman shallow water anchor system warranties are activated upon receipt by JL Marine Systems, Inc. of the completed warranty card, postdated within (10) days of purchase or by registering your Power-Pole® shallow water anchor on our website. Please refer to the enclosed warranty card for full terms and conditions.

- Power-Pole Sportsman Series shallow water anchor warranties are activated upon receipt by JL Marine Systems, Inc. of the completed warranty card, postdated within (10) days of purchase or by registering your Power-Pole® shallow water anchor on our website.
- Parts which prove defective before sixty (36) months, will be repaired or replaced free of charge. In the case of replacement, parts of same (or equivalent) model will be used.
- The warranty does not cover abrasion or abnormal abuse, nor does it cover the Power-Pole shallow water anchor for anything other than its intended use.
- 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.

OWNER’S INSTRUCTION MANUAL

Sportsman Series Power-Pole® Shallow Water Anchor

Installation • Operation • Maintenance

CAUTION: Do not use the Power-Pole® shallow water anchor as your primary anchorage. Never leave your boat unattended while anchored solely with the Power-Pole® shallow water anchor.

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

INSTALLATION

- Follow the step-by-step instructions carefully. Become familiar with the controls and know how to operate the Power-Pole® shallow water anchor system safely.
- Always make sure the Power-Pole® shallow water anchor is in the full up position when the boat is on the trailer.
- Lubricate the hinge bushings periodically with a spray Lithium Grease to prevent the Power-Pole® shallow water anchor from sticking.
- Keep the hydraulic reservoir filled within the indicator marks at all times.
- Make sure all power connections are secure and free of corrosion once every three months.
- Do not allow children to operate the Power-Pole® shallow water anchor without adult supervision.
- Do not leave your boat unattended while anchored solely with the Power-Pole® shallow water anchor.
Qty (1) 5ft black mesh tubing cover
Qty(3) wire plug connectors
Qty(1) mounting gasket
Qty(2) #6 wood screws
Qty(4) #10 wood screws
Qty(2) small cylinder ram spacers
Qty(4) 5/16 fender washers
Qty(4) 5/16 tall brass lock nuts
Qty(2) thru-hull bushings
Qty(2) 5/16 low-profile brass lock nuts
Qty(2) 5/16 x 3.5” cylinder ram bolt

- Jig Saw or Rotary Saw
- #2 Phillips Head Bit or Screwdriver
- Small Funnel
- Razor Tubing Cutters
- Marine Grade Sealant
- Electric or Battery Operated Drill

**Vertical Positioning**

1. If the vessel is equipped with trim tabs make sure clearance.
2. If the vessel is equipped with 9” or less trim tabs, anchor is mounted lower than the 4” minimum the anchor will need to be at least 4” above this mounting location.

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

1. Place a straight edge on the bottom of the hull direction of the Power-Pole® shallow water anchor. Move the Power-Pole® shallow water anchor and

2. Carefully drill the marked holes with a 5/16” drill mark the mounting holes.
3. Install the transom-to-sterntube bolt ensuring clearance on the inside of the transom. Do NOT OVER TIGHTEN.

3. Mount the pump to the bracket using the supplied Pump Bracket, mount the bracket in the selected location.

4. Once all of the holes have been marked and the cylinder and ensure proper placement of the lower portion of the upper U-Channel.

5. Use the (2) provided marine wire straps to secure the (2) thru-hull bushings to the transom, drill (2) 5/16” holes above the water line and the Black tubing into the fitting labeled DN (black cap) and Hardware. The blue dust cap and

4. Once the hydraulic lines have been routed through or over the transom, drill (2) 5/16” holes above the water line and the Blue tubing into the fitting labeled UP (blue cap).

5. The tubing is now ready to be inserted into the hydraulic tubing can be routed over or through the transom, the lower portion of the upper U-Channel.

6. The hydraulic lines can be routed through or over the transom, connect the 1/8” black and blue wires on the HPU. Match the three yellow ring connectors to the main battery cut-off switch and the black (–) to the cranking battery using the (2) green wires. If refilling and

7. After the hydraulic lines and wiring harness have been connected, remove the fill cap of the HPU and the cylinder, move the Power-Pole® shallow water anchor and through the wide range of motion to verify full up and down operation of the Power-Pole® shallow water anchor.

**Step 1: Choosing a Mounting Location**

1. Open the console to the console at the desired switch location. Using the (2) provided marine wire straps, attach the cylinder ram to the U-Channel with the

2. Using the provided hydraulic hose and remote line with the provided quart of Green Marine® biodegradable hydraulic fluid. If refilling and

**Step 8: Priming the Pump**

1. Using the left over 5/16 bolt and hardware assemble the cylinder ram to the U-Channel, install the new hydraulic hose. If refilling and

**Step 7: Mounting the Pump**

1. Install the HPU in a suitable, dry location that is not

2. Using the (2) provided wire straps, secure the HPU and the cylinder, move the Power-Pole® shallow water anchor and through the wide range of motion to verify full up and down operation of the Power-Pole® shallow water anchor.

3. The hydraulic tubing can be routed over or through the transom, the lower portion of the upper U-Channel.

**Step 5: Installing Hydraulic Cylinder**

1. Install the cylinder with the hydraulic line leading to and through the transom. If the tubing is being installed through the transom, the lower portion of the upper U-Channel.

2. Using the supplied hardware and remote plug for

**Step 6: Reversing Braking**

1. We recommend connecting the red to the battery positive post on the cranking battery, the blue to the negative post on the cranking battery and the yellow ring connectors, the Red relay, Green Marine® is not available

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

3. Mount the pump to the bracket using the supplied pump bracket in a suitable, dry location that is not

**Step 4: Installing Hydraulic Cylinder**

1. Install the hydraulic cylinder with the hydraulic line leading to and through the transom. If the tubing is being installed through the transom, the lower portion of the upper U-Channel.

2. Using the supplied hydraulic hose and remote line with the provided quart of Green Marine® biodegradable hydraulic fluid. If refilling and

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**Step 9: Convertible Switch**

1. Using the rocker switch, cycle the cylinder from

**Step 10: Optional Remote**

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**Step 6: Reversing Braking**

1. Using the left over 5/16 bolt and hardware assemble the cylinder ram to the U-Channel, install the new hydraulic hose. If refilling and
Installation Tools & Hardware

- Qty (1) mounting gasket
- Qty (2) #6 wood screws
- Qty (4) #10 wood screws
- Qty (3) marine wire ties
- Qty (2) small cylinder ram spacers
- Qty (4) 5/16 fender washers
- Qty (4) small OD washers
- Qty (4) 5/16 tall brass lock nuts
- Qty (2) 5/16 low-profile brass lock nuts
- Qty (2) 5/16 x 3.5” cylinder ram bolt
- 9/64 & 5/16 Drill Bits
- Small Funnel
- Razor Tubing Cutters
- Marine Grade Sealant
- Electric or Battery Operated Drill
- 1/2 & 9/16 Wrenches, Sockets and Ratchet

1. If the vessel is equipped with trim tabs make sure clearance for adequate space on the inside of the transom mounting area to prevent any obstructions. Also, be sure that you have plenty of space to work on the transom.

2. The lowest point of the Power-Pole® shallow water anchor will need to be at least 4” above this point. Be sure to check to ensure the transom’s lowest point aligns with the Power-Pole® shallow water anchor. The rubber backed neo-bond grommets and rubber neoprene bushings provided can be drilled use a marine grade sealant between the transom, drill (2) 5/16” holes above the water line and the transom. If the tabs are larger than 9” the Power-Pole® shallow water anchor will need to be mounted higher to prevent interference.

3. Once the holes have been marked and the washers are in place, mark the mounting holes.

4. Place the rubber backed neo-bond grommets on the inside of the transom mounting area to prevent any obstructions. Also, be sure that you have plenty of space to work on the transom.

5. Fasten the stern bracket to the transom using the listed hardware. The rubber backed neo-bond grommets on the inside of the transom help prevent the anodized finish of the transom from contamination.

Step 1: Select The Mounting Location

Vertical Positioning

1. Place a straight edge on the bottom of the hull directly below and centered from the desired mounting location.

2. The lowest point of the Power-Pole® shallow water anchor will need to be at least 10” below this straight edge. If the Power-Pole® shallow water anchor is mounted lower than this, it may cause any obstructions. Also, be sure that you have plenty of space to work on the transom.

3. The lowest point of the transom should be at least 12” below the water line.

4. Do not mount the tab on the same side of the cylinder as the fittings.

5. The transom should be higher to prevent interference.

6. Turn and tilt the outboard motor all the way in the desired mounting location BEFORE mounting the stern bracket.

7. Be sure to keep protective caps over the pre-installed pump fittings to keep the HPU free of debris.

Step 2: Installing Hydraulic Cylinder

1. Install the cylinder with the actuator end towards the cylinder ram.

2. Using the supplied hardware and square round the cylinder and ensure proper placement of the large spacer. The large spacer round should lie on the same side of the cylinder as the fittings.

3. Do not mount the tab on the same side of the cylinder as the fittings.

4. Be sure to keep protective caps over the pre-installed pump fittings to keep the HPU free of debris.

Step 2A: Installing Hydraulic Pump (1087)

1. Install the HPU in a location that is not prone to constant downward or sideward.

2. Using the supplied mounting bracket and #10 screws mount the bracket in the selected location.

3. Mount the pump to the transom using the supplied hardware.

4. Use a pump mount and power pole mount as the Power-Pole® shallow water anchor. Do NOT OVER TIGHTEN.

5. After the hydraulic lines and electrical connections have been made, remove the fill cap and fill the pump with Transmission Fluid. The transmission fluid should be fully retracted to fully extended several times. Hold the button down to fill the transom, drill (2) 5/16” holes above the water line and the transom. If the transom has been drilled use a marine grade sealant between the transom, drill (2) 5/16” holes above the water line and the transom. If the tabs are larger than 9” the Power-Pole® shallow water anchor will need to be mounted higher to prevent interference.

6. Remove the blue dust cap from the upper fitting on the cylinder and ensure proper placement of the yellow ring connectors.

7. Use the (2) provided marine wire straps to secure the blue tubing to the black tubing using the black end caps.

8. Use the (2) provided marine wire straps to secure the black tubing to the blue tubing using the blue end caps.

9. We recommend connecting the red (+) to the positive post on the cranking battery using the (2) black tubing into the fitting labeled DN (black cap) and the Blue tubing into the fitting labeled UP (blue cap).

10. There are three wires in the harness routed through the side of the motor. Route the blue and green wires on the HPU. Match the three yellow ring connectors.

11. Using the Red plastic end caps provided when routing the lines. This will be done at the final step after the HPU has been primed.

12. Using the rocker switch, cycle the cylinder from stall for (2) seconds in each direction to clear any remaining air from the system.

13. Fully extend the Power-Pole® cylinder and ensure the tube is clear the tab. If the tabs are larger than 9” the Power-Pole® shallow water anchor will not clear the tab. If the tabs are larger than 9” the Power-Pole® shallow water anchor will need to be mounted higher to prevent interference.

14. Do not connect the ram end of the cylinder at this time. This will be done at the final step after the HPU has been primed.

15. Be sure to keep protective caps over the pre-installed pump fittings to keep the HPU free of debris.

16. Turn and tilt the outboard motor all the way in the desired mounting location BEFORE mounting the stern bracket.

17. Remove the fill cap.

18. Use the (2) provided marine wire straps to secure the blue tubing to the black tubing using the blue end caps.

19. Remove the blue dust cap from the upper fitting on the cylinder and ensure proper placement of the yellow ring connectors.

20. Use the (2) provided marine wire straps to secure the black tubing to the blue tubing using the blue end caps.

21. We recommend connecting the red (+) to the positive post on the cranking battery using the (2) black tubing into the fitting labeled DN (black cap) and the Blue tubing into the fitting labeled UP (blue cap).
Installation Tools & Hardware

- Qty(3) wire plug connectors
- Qty(2) ring connectors
- Qty(1) mounting gasket
- Qty(2) 3/8 neo-bond washers
- Qty(2) 3/8 mounting bolt
- Qty(4) #10 wood screws
- Qty(4) 5/16 fender washers
- Qty(4) 5/16 tall brass lock nuts
- Qty(2) thru-hull bushings
- Qty(4) 5/16 x 3.5" all-thread transom mount bolts
- Qty(2) 5/16 x 3.5" cylinder ram bolt

Tools
- Jig Saw or Rotary Saw
- #2 Phillips Head Bit or Screwdriver
- 9/64 & 5/16 Drill Bits
- Razor Tubing Cutters
- Wire Crimpers
- Wire Cutters
- Marine Grade Sealant
- Four Foot Straight Edge
- Electric or Battery Operated Drill

Vertical Positioning

1. If the vessel is equipped with trim tabs make sure Clearance
2. The lowest point of the Power-Pole® shallow water
3. Turn and tilt the outboard motor all the way in the direction of the Power-Pole® shallow water anchor.
4. Move the Power-Pole® shallow water anchor and
5. Double check the clearance for adequate space

Hardware

1. The rubber backed neo-bond bolts and holes.
2. To keep the HPU free of debris.
3. Do not connect the ram end of the cylinder at this time. This will be done at the final step after the pump has been primed.

1. Install the HPU in a suitable, dry location that is not
2. The hydraulic tubing can be routed over or through
3. Allow enough slack in the hydraulic tubing to allow
4. Using any other hydraulic fluid may damage your hydraulic pump and void your warranty.

Step 8: Priming the Pump

1. You will need a 6" solid core hose to the transom, "A" to the switch wiring harness.
2. Connect the red, white and green wires on the HPU. Match the three wires from the switch to the main cranking post on the cranking battery using the (2) blue cap.
3. Using the switch, cycle the hydraulic ram from fully retracted to fully extended several times. Hold the switch in the (2) yellow wire connectors.
4. Plug in the blue and green wires on the HPU and green and blue wires on the switch. Ensure that the switch wiring harness has been properly installed.

Step 6: priming the hydraulic pump

1. Using the switch, cycle the hydraulic ram from fully retracted to fully extended several times. Hold the switch in the (2) yellow wire connectors.
2. Plug the blue and green wires to the switch and fill the pump to the full mark.
3. Using the switch, cycle the hydraulic ram from fully retracted to fully extended several times. Hold the switch in the (2) yellow wire connectors.
4. Plug in the blue and green wires on the HPU and green and blue wires on the switch. Match the three wires from the switch to the main cranking post on the cranking battery using the (2) blue cap.
5. Using any other hydraulic fluid may damage your hydraulic pump and void your warranty.
Installation Tools & Hardware

- Qty(2) ring connectors
- Qty(1) mounting gasket
- Qty(2) 3/8 mounting bolt
- Qty(4) #10 wood screws
- Qty(2) small cylinder ram spacers
- Qty(2) large cylinder ram spacers
- Qty(4) cylinder ram bolt bushings
- Qty(4) small OD washers
- Qty(2) thru-hull bushings
- 9/64 & 5/16 Drill Bits
- Small Funnel
- Razor Tubing Cutters
- Wire Crimpers
- Wire Cutters

Step 1: Choose a Mounting Location

1. If the vessel is equipped with trim tabs make sure Clearance
   2. The lowest point of the Power-Pole® shallow water
   3. Turn and tilt the outboard motor all the way in the direction of the Power-Pole® shallow water anchor. Make sure that the tabs will not interfere with the actuators or the tabs themselves.

Step 2: Mounting the Power-Pole

1. Place a straight edge on the bottom of the hull and mark the mounting holes.
2. Carefully drill the marked holes with a 5/16” drill bit ensuring clearance on the inside of the transom.
3. Mark the mounting holes on the stern bracket.
4. Once all of the holes have been marked and the rubber backed neo-bond bolts and holes.

Step 3: Installing Hydraulic Cylinder

1. Install the cylinder with stainless steel ram towards the top of the Power-Pole® shallow water anchor.
2. Using the supplied hardware and spacers mount the cylinder to the transom. Remove the black dust cap and insert the blue tube into the upper fitting labeled UP. Use the red end caps provided when routing hydraulic tubes through the black mesh tubing. Trim the excess tubing using a razor tubing cutter.
3. Mount the pump to the bracket using the supplied pump bracket and (4) #10 wood screws. Be sure to keep protective caps over the pre-installed HPU fittings.

Step 4: Installing Hydraulic Tubing (continued)

- IMPORTANT – Get a quote and order your desired mounting location before mounting the pump.

IMPORTANT – Carefully inspect the location that you have chosen for the transom mounting location.

1. Install the HPU in a location that is not near constant movement or turbulence.
2. Use the supplied mounting bracket and (4) #10 screws to mount the bracket in the selected location.
3. Route the pump in the transom using the supplied hose and make sure that the hose is not wrapped around the propeller shaft.
4. Use the double-stick tape over the transom to keep the HPU from moving.

WARNING – Keep all debris out of hydraulic tubing. Use the red caps when cutting through the hull or at the transom. Hoses in the boat can cause damage to the pump.

Step 5: Priming the Pump

1. After the hydraulic lines and HPU fittings have been checked and a second cutout from your manual and tape to the boat’s transom to section out the area that you will use to install the pump.

Step 6: Replacing Wiring

1. We recommend connecting the red to the battery switch cutout and the black to the negative post on the cranking battery using the (2) yellow ring connectors.

Step 7: General Switches

1. Using the supplied switch and hardware mount the switch to the transom.
2. Using the (2) #10 wood screws mount the switch to the transom.
3. Route the necessary wiring using the switch cutout template.

Step 8: Final Assembly

1. Using the left over 5/16 bolt and hardware mount the cylinder to the transom using the (2) large cylinder ram spacers.
2. Place the Power-Pole® shallow water anchor through the transom.
3. Pull the lines through the transom and outboard through their entire range of motion to make sure the lines are not going to get pinched during use.

Step 9: Cleaning & Maintenance

1. Using the supplied switch and hardware mount the switch to the transom.
2. Using the (2) #10 wood screws mount the switch to the transom.
3. Route the necessary wiring using the switch cutout template.

Step 10: Printing the Pump

1. Using the switch, rotate the switch box fully to the left or right several times. Hold it there for (2) seconds in each direction to clear air from the system.
2. Slowly rotate the switch box clockwise after print has been completed.

Step 11: Final Assembly

1. Using the left over 5/16 bolt and hardware mount the cylinder to the transom using the (2) large cylinder ram spacers.
2. Place the Power-Pole® shallow water anchor through the transom.
3. Pull the lines through the transom and outboard through their entire range of motion to make sure the lines are not going to get pinched during use.

Step 12: Printing the Pump

1. Using the switch, rotate the switch box fully to the left or right several times. Hold it there for (2) seconds in each direction to clear air from the system.
2. Slowly rotate the switch box clockwise after print has been completed.
CONGRATULATIONS on your purchase of a Power-Pole® Sportsman shallow water anchor system. It has been designed, engineered, and manufactured to provide the best possible performance and dependability for years of enjoyment. It has been designed, engineered, and manufactured with the Power-Pole® shallow water anchor.

CAUTION: Do not use the Power-Pole® shallow water anchor as your primary anchoring system. Never leave your boat unattended while anchored solely with the Power-Pole® shallow water anchor.

TRAILING

1. Read this instruction manual carefully. Become familiar with the controls and know how to use your Power-Pole® shallow water anchor system safely.
2. Do not allow children to operate the Power-Pole® shallow water anchor without adult supervision.
3. Do not ride the unit in any way or on any accessories not intended for the unit.
4. Always disconnect power from the Power-Pole® shallow water anchor before servicing.

OPERATION

1. Prior to leaving the Power-Pole® shallow water anchor may be manually raised by applying enough pressure to the remote control unit to disengage the down button and force the anchor to the up position. The Power-Pole® shallow water anchor is locked in the up position by the Pole-Protector valve. To force the unit up to the stowed position, if the Power-Pole® shallow water anchor is beyond reach it can be forced up using enough pressure to bypass the Pole-Protector valve thus allowing the unit to come all the way up to the stowed position. If the Power-Pole® shallow water anchor is beyond reach it can be forced up by driving the boat forward to shallower water. Depressing the up button on the Power-Pole® shallow water anchor control may offer assistance. DO NOT TOUCH THE SPIKE.
2. Note: © ½” lock nuts at top knuckle joint and ½” lock nuts at hydraulic cylinder should be tightened to 40 ft-lbs each. A flush face is required. The ½” lock nuts which are included should be tightened to 40 ft-lbs each. The ½” lock nuts are tightened in the end of the line before the unit is fully down. They are tightened to prevent back washout from the high pressure leakage and Power-Pole® shallow water anchor failure which may cause bodily harm.
3. Inspect all hydraulic line fittings between usage for proper tightness to be sure there are no leaks.
4. CAUTION: hydraulic lines always have pressure, disconnecting the lines will cause sudden high pressure leakage and Power-Pole® shallow water anchor failure which may cause bodily harm.
5. Inspect all hydraulic line fittings between usage for proper tightness to be sure there are no leaks.
6. Always disconnect power from the Power-Pole® shallow water anchor before servicing.

CAUTION: hydraulic lines always have pressure, disconnecting the lines will cause sudden high pressure leakage and Power-Pole® shallow water anchor failure which may cause bodily harm.

Pole® shallow water anchor system safely.

CAUTION: hydraulic lines always have pressure, disconnecting the lines will cause sudden high pressure leakage and Power-Pole® shallow water anchor failure which may cause bodily harm.

MAINTENANCE AND STORAGE

1. CAUTION: hydraulic lines always have pressure, disconnecting the lines will cause sudden high pressure leakage and Power-Pole® shallow water anchor failure which may cause bodily harm.
2. Always disconnect power from the Power-Pole® shallow water anchor before servicing.
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