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HYDRAULIC CYLINDER REPLACEMENT FOR CYLINDERS WITH 3/8" HYDRAULIC HOSE INSTRUCTIONS

INSTALLATION TOOLS:

- Knife or Scissors
- 5/8" Wrench
- 1/2" Wrench
- 1/2" Socket & Ratchet

INCLUDED HARDWARE:

- A.** (1) Hydraulic Cylinder
- B.** (1) Zip-Tie

IMPORTANT: Pressure MUST be relieved from hydraulic system before proceeding.

PRESSURE RELIEF

STEP 1: Lower the Power-Pole Anchor® down so the Everflex™ spike is touching the ground.

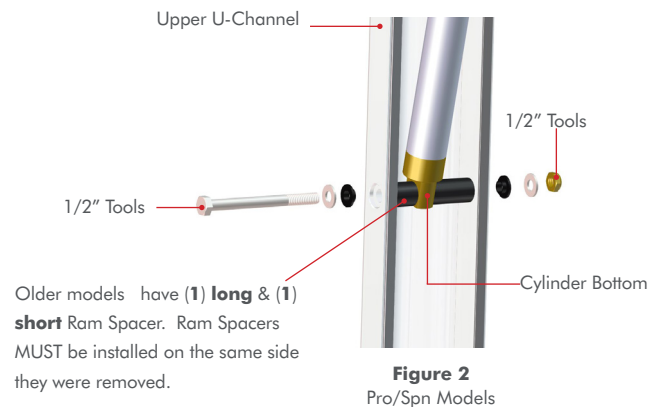
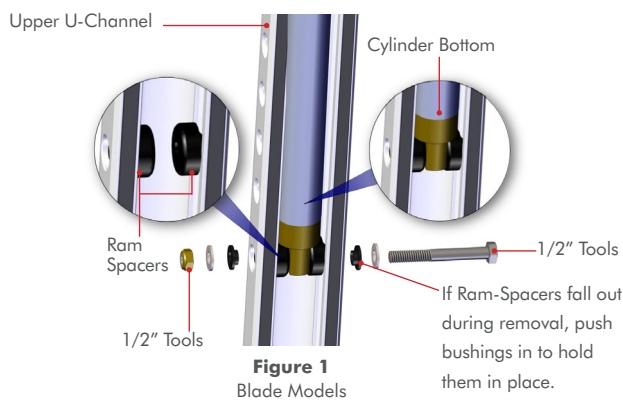
WARNING: Do not touch spike with bare hands.

STEP 2: Manually push the anchor into closed position, relieving pressure. Manually lower anchor back to the ground.

REMOVAL

STEP 1: Remove the **Cylinder Bottom** from the **Upper U-Channel** using a 1/2" socket & wrench. **FIG 1 or 2**

NOTE: For Blade models, push bottom of cylinder up into **U-Channel** and slide it forward past the **Ram Spacers** to remove it.





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STEP 2: Remove the **Cylinder Top** from the **Lower U-Channel** using a 1/2" socket & wrench. **FIG 3 or 4**

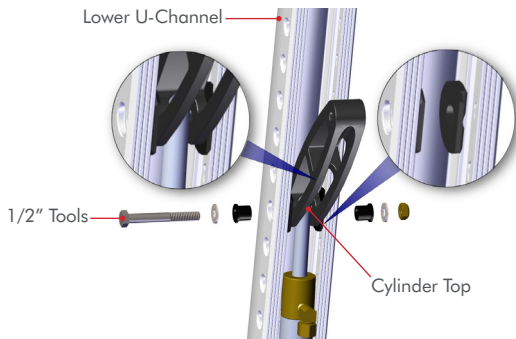


Figure 3
Blade Models

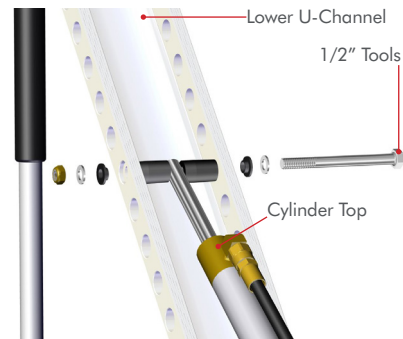


Figure 4
Pro/SPN Models

STEP 3: Disconnect the **UP Hose** from the **Hydraulic Cylinder Fitting** by holding the **Cylinder Fitting Base** with a 1/2" wrench and turning the **Hydraulic Hose Fitting** counter-clockwise with a 5/8" wrench. **FIG 5**

STEP 4: Repeat STEP 3 for the **Lower Hose Fitting**. **FIG 6**

NOTE: Lay **Hydraulic Hose Fittings** down on clean surface to avoid contamination.

STEP 5: Cut the **Zip-Tie** that holds the **UP Hose** to the **Hydraulic Cylinder**. **FIG 7**

IMPORTANT: DO NOT cut hose!

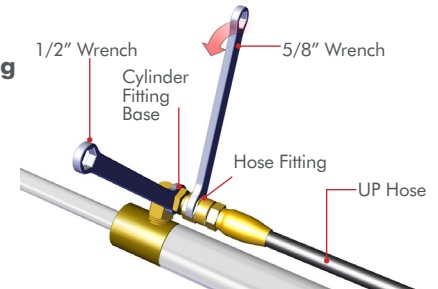


Figure 5
UP Fitting

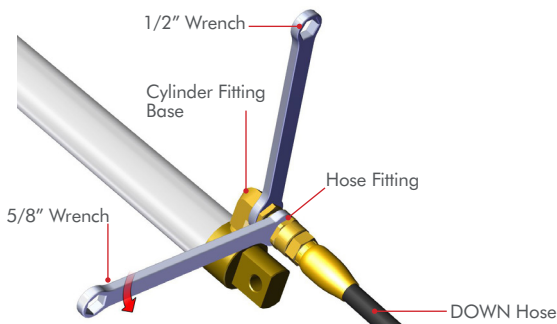


Figure 6
DOWN Fitting



Figure 7

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INSTALLATION:

STEP 1: Remove Blue Dust Cap from **UP Cylinder Fitting Base** and hand tighten the **UP Hose Fitting** (labeled) to it.

STEP 2: Hold **UP Cylinder Fitting Base** with 1/2" Wrench & tighten **UP Hose fitting** 1/4 turn with a 5/8" Wrench. **FIG 1**

STEP 3: Repeat **STEPS 1-2** for **DOWN Cylinder Fitting** (Black Dust Cap) and **Down Hose** (labeled). **FIG. 2**

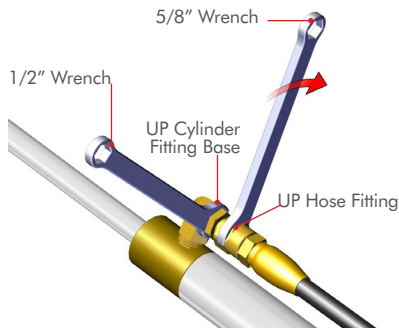


Figure 1
UP Fitting

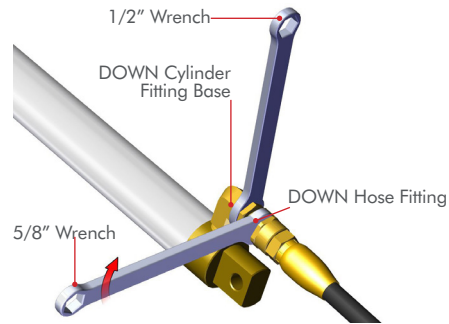


Figure 2
DOWN Fitting

STEP 4: Attach **UP Hose** to the **Hydraulic Cylinder** about 2/3 of the way up using the supplied **Zip-Tie**. **FIG 3**

STEP 5: Reinstall **Cylinder** by following **FIG. 1-4** of the **REMOVAL** section in reverse.

NOTE: For Blade Models, push the **Cylinder** up into the **U-Channel** and slide it backwards into place in between the **Ram Spacers**.

STEP 6: Make sure that **HPU Reservoir** is properly filled. If not, refill to "**Max Level**" with **Green Marine™** or other ISO 32 Hydraulic Fluid. **FIG. 4**



Figure 3
Cylinder

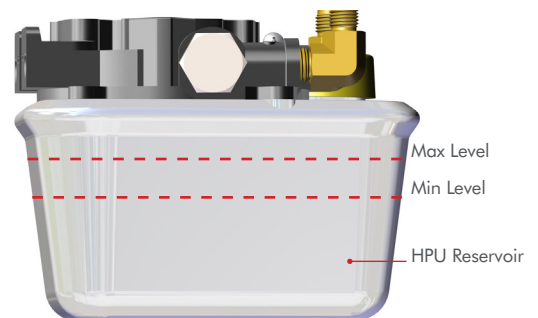


Figure 4

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HYDRAULIC CYLINDER REPLACEMENT FOR CYLINDERS WITH 3/8" HYDRAULIC HOSE INSTRUCTIONS

PRIMING THE (HPU) HYDRAULIC PUMP UNIT

STEP 1: Connect power to (HPU)

STEP 2: Manually place the Power anchor in the deployed position.

STEP 3: Using the advanced dash switch remote control set to slow speed, hold the down button until the **RED** LED on the dash switch stops flashing and the pump stops running. (Approximatley 20 sec.) Repeat this process two more times.

NOTE: The HPU will have a high pitch whining sound while priming until the air has dissipated from hydraulic fluid.

STEP 4: Check the fluid level in the reservoir and add if necessary.

STEP 5: Hold the up button until the **RED** LED on the dash switch stops flashing and the pump stops running. (Approximately 20 sec.) Repeat this process two more times or until the Power-Pole anchor is fully retracted.

STEP 6: With the Power-Pole anchor in the retracted state, hold the down button until the **RED** LED on the dash switch stops flashing and the pump stops running. Then hold the up button until the **RED** LED on the dash switch stops flashing and the pump stops running. Repeat this step once.

STEP 7: Set the dash switch to medium speed.

STEP 8: Hold the down button until the **RED** LED on the dash switch stops flashing and the pump stops running. Then hold the up button until the **RED** LED on the dash switch stops flashing and the pump stops running. Repeat this step once.

STEP 9: With the Power-Pole anchor in the retracted state, manually apply a force to attempt to deploy the Power-Pole anchor. If the Power-Pole anchor does not stay in the retracted state, repeat step 8 until it does.

STEP 10: Once on the water, navigate to an area that is deep enough to fully deploy your Power-Pole anchor without it touching the bottom.

STEP 11: Using the dash switch set to medium speed, fully deploy and retract the Power-Pole anchor six times.

STEP 12 Your Power-Pole anchor should be completely primed at this point, but if you suspect it isn't, repeat step 11 until it is or contact JL Marine System's Inc. for Technical Support at 813-689-9932 Option 2.

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