



SWIFT. SILENT. SECURE.

BLADE STERN BRACKET REPLACEMENT INSTRUCTIONS

- Instructions for Solid Aluminum Stern Brackets with Hydraulic Hoses
- 8' Models 2017-Mid-2019

IMPORTANT! Replace any hardware that is worn or damaged. Always replace nylon lock nuts. To order proper hardware, scan QR Code A.

PRESSURE RELIEF:

STEP 1 Lower the Power-Pole Anchor® down so the Everflex™ spike is about a foot off the ground.

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

Installation Tools:

- 9/16" Wrench
- 9/16" Socket
- 1/2" Wrench
- 5/8" Wrench
- Ratchet
- Spreader Block
- 1/4" Flat Punch
- Rubber Mallet
- Protective Gloves
- Masking Tape
- Zip Ties
- Scissors
- Pliers
- Marine-Grade Sealant



DO NOT touch the spike with bare hands.

REMOVAL:

STEP 1 Cut the zip tie securing the **UP Hose** to the **Cylinder** and loosen **Hose Fitting** with a **5/8" wrench**. **FIG 1**

STEP 2 Remove the **Lower Hydraulic Cylinder Bolt** with a **1/2" Wrench**. **FIG 2**
Drop the **Cylinder** down out of the **U-Channel**.

STEP 3 Hold the **Cylinder Fitting** with a **1/2" Wrench** and loosen the **DOWN Hydraulic Hose Fitting** with a **5/8" wrench**. **FIG 3**



QR Code A
Stern Bracket Hardware



Cover hose ends with masking tape to ensure contaminants do not enter the system.

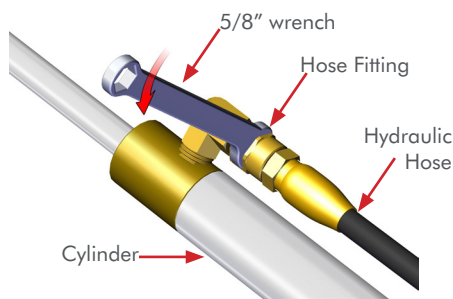


Figure 1

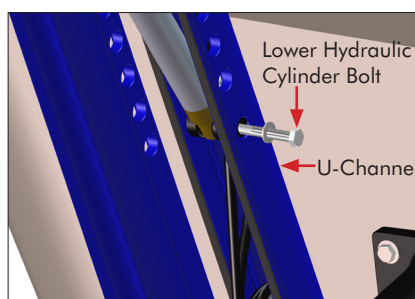


Figure 2

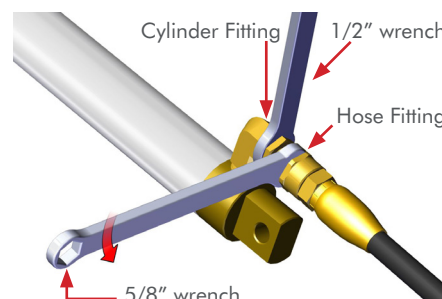


Figure 3

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REMOVAL (Continued):

STEP 4 Remove both **Stern Bracket Bolts** and all mounting hardware using a **9/16" Socket & Wrench**. **FIG 6**

NOTICE: Safely store all mounting hardware, it will be reused when installing the new Stern Bracket.

STEP 5 Insert and twist the spreader block to remove the **Top & Bottom U-Channels** from the **Stern Bracket**. **FIG 4**

STEP 6 Remove the four **Mounting Bolts** using a **9/16" socket & wrench**. Remove the defective Stern Bracket. **FIG 5**

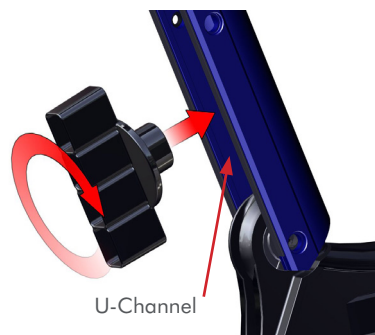


Figure 4

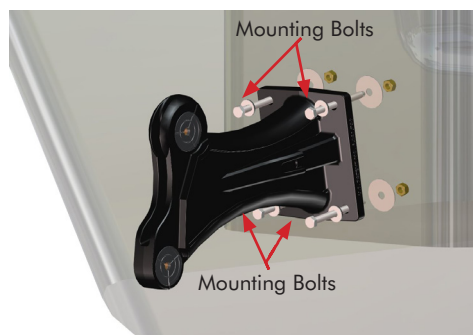


Figure 5

INSTALLATION:

STEP 1 Install the new **Stern Bracket** and the U-Channels in reverse order of removal. For transom installations, apply a small amount of Marine Grade Sealant around each Transom Bolt Hole. **FIG 6 & 7**

IMPORTANT! Be sure to allow an adequate amount of slack in the Hydraulic Hoses between the Stern Bracket and the point where the hoses enter the vessel. This will provide for full up and down operation.

STEP 2 Route the **UP and DOWN Hydraulic Hoses** through the stern bracket. **FIG 7**



DO NOT route both hoses through the same side of the Stern Bracket.

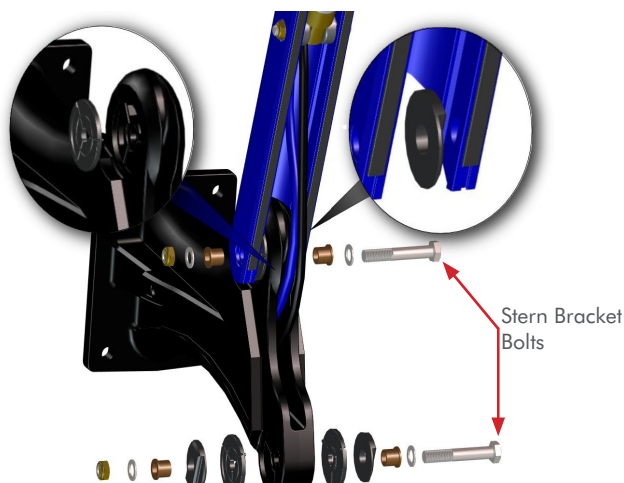


Figure 6



Figure 7

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INSTALLATION (Continued):

STEP 3 Reconnect the **DOWN Hose** to the **Bottom Cylinder Fitting Base** and finger tighten.

STEP 4 Finish tightening by holding the **Fitting Base** with a **1/2" Wrench** and turning the **Hose Fitting** a quarter turn with a **5/8" Wrench**. **FIG 8**

STEP 5 Reconnect the **UP Hose** to the **Top Cylinder Fitting Base** and finger tighten.

STEP 6 Finish tightening by turning the **Hose Fitting** a quarter turn with a **5/8" Wrench**. **FIG 9**

STEP 7 Use **Zip-Ties** to secure the **Hoses**. **FIG 10**

STEP 8 Insert the bottom of the **Cylinder** into the **Upper U-Channel** and reinstall hardware using a **1/2" socket & wrench**. **FIG 11**

STEP 9 Run the Power-Pole Anchor through several full up and down cycles to purge any air that may have accumulated in the hydraulic system.

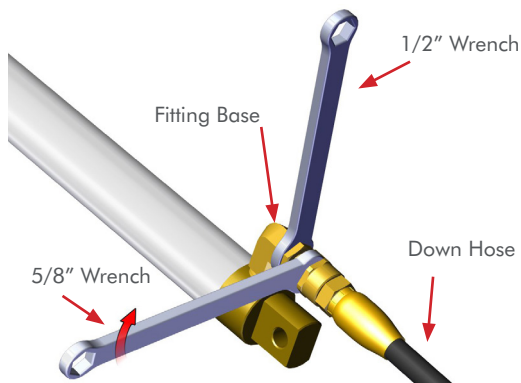


Figure 8

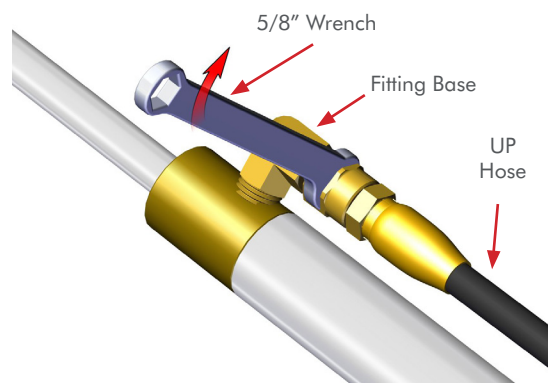


Figure 9

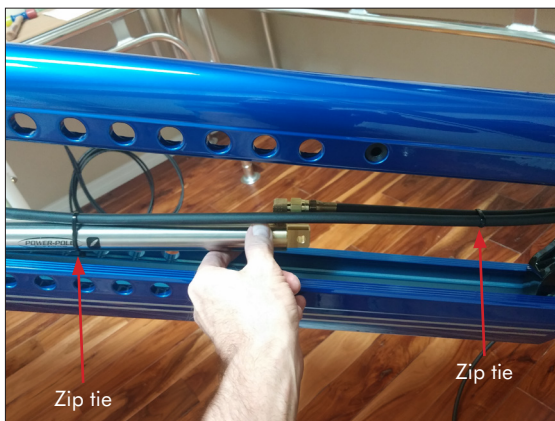


Figure 10

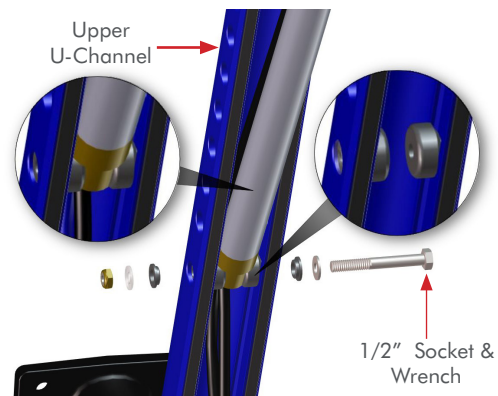


Figure 11

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PRIMING THE (HPU) HYDRAULIC PUMP UNIT:

STEP 1 Connect power to the HPU.

STEP 2 Manually place the Power-Pole Anchor in the deployed position.

STEP 3 Using the Wireless Dash Switch set to **SLOW** speed, hold the **DOWN** 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.

NOTICE: The HPU will make a high-pitched whining sound when priming until the air has dissipated from the 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 retracted, 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 fully retracted, 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 the 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 Customer Service at 813-689-9932 Option 2

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