SEASTAR™

SEASTAR POWER PURGE JR

APPLICATIONS

Bleeding tool for all SeaStar and BayStar steering systems.

FEATURES

- Makes bleeding systems simple, ensuring steering feel is solid every time
- 100% portable
- Powered by 12v battery
- Fast and efficient set up
- Quick connect fittings
- Easy to operate
- Filter screens help keep contamination out of your steering system
- Complete Fill & Purge in 10 minutes or less
- Optional Dual Cylinder Purging Kit HA5461 available

The EASY way to 100% purge air out of BayStar and SeaStar hydraulic steering systems. The Power Purge Jr. reduces installation and warranty costs while enhancing the quality of the boat to the end user. A typical manual fill and purge takes the average experienced installer or service technician about 30 minutes per boat - by using the Power Purge Jr. this can be reduced to 10 minutes or less.

ORDER INFORMATION

COMPONENTS	PART No.
Power Purge Jr.	HA5445-2
50 ft Hose Extension Kit	HA5462
Dual Cylinder Purging Kit	HA5461
SPARE PARTS	
Motor Replacement Kit	HP6116
Helm Adapter Kit	HP6148
Quick Connect Hose Ends	HP6170
Hose/Quick Connect Replacement Kit	HP6171
Low Profile Hose Fitting Kit	HP6149
Power Purge Service Kit	HP6125

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NOTICE

For dual helm applications, install non-vent plug in upper helm and perform procedure described above on lower helm first. Once complete, install non-vent plug in lower helm and repeat procedure with upper helm.

CAUTION

Failure to install non-vent plugs during this procedure will result in oil leakage from other helm.

HA5445 POWER PURGING INSTRUCTIONS

NOTICE: Instructions shown below are for a single cylinder/single helm "manual" steering system. For detailed instructions when using SeaStar Power Assist and/or Catamaran steering systems, please refer to your Installation and Owner's Manual

SINGLE CYLINDER - POWER PURGE OPERATION

Step 1. Connection

- Screw the quick coupling adapter into the helm filler port, and hand-tighten. See notes to the side for dual helm application.
- Remove the blue hose from the Power Purge Box and connect both hoses to the quick coupling adapter on the helm. Push the quick connects onto their male counterparts and check to ensure they have locked in place.
- Remove the clear hose from the Power Purge Box and connect one end to each bleed fitting on the hydraulic cylinder. Check to see if they have locked in place.
- Open both cylinder bleeders 1/2 - 1 turn.
- Attach the electric cable to the boat battery by connecting the black alligator clip to the negative terminal and the red alligator clip to the positive terminal.

Step 2. Purging

- Turn the Power Purge Jr. ON. Oil should flow into and out of the helm. Wait twenty seconds for the helm to fill with oil.
- Quickly turn the steering wheel clockwise until the cylinder rod is fully extended (you may have to manually move the cylinder). Slowly continue to turn the wheel to hold the cylinder in this position for approximately 30 seconds. Ensure there are no air bubbles escaping through the cylinder hoses.
- Quickly turn the steering wheel counter-clockwise until the cylinder rod is fully extended on the opposite side of the cylinder. Slowly continue to turn the wheel to hold the cylinder in this position for approximately 30 seconds. Ensure there are no air bubbles escaping through the cylinder hoses.
- Turn off the Power Purge Jr.
- Tighten both of the bleeders on the cylinder.

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Step 3. Disconnection and Testing

- Disconnect all the hoses and place them back in the box. Remove the quick coupling adapter.
- Disconnect the Power Purge Jr. from the battery.
- Push on the cylinder to ensure that it does not move more than 1/4” in either direction.
- While turning the wheel to starboard and just before reaching the stop look at the oil level in the pump. If no appreciable drop in the oil level occurs, the starboard side of the steering system is free of air. Repeat the test by turning the wheel to port. If you turn past the stop with the filler cap off the helm, oil will spill out.
- Ensure the reservoir isn’t overfilled and replace the filler cap in the helm. Perform system proof test by turning the wheel to starboard beyond its normal stop with enough pressure to “crack the pressure relief valve (1000-1500 psi). Repeat with port side. Fill and Purge is now complete.

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