

2003-2011 MASTERCRAFT PIGGYBACK REAR FACTORY BALLAST UPGRADE

OVERVIEW

The Piggyback system expands the capacity of the factory ballast system by integrating an auxiliary ballast bag on top of the existing hard tank that is built into the boat. The new system will fill and drain using the same controls as the factory system for completely automated functionality.

FEATURES

- Completely Reversible: remove from boat at any time with no permanent marks or damage.
- Direct-Connect Design: components are setup for ease of installation when used with WakeMAKERS brand ballast bag. All connections on the ballast bag are optimized for a simple, clean installation with the shortest possible hoses.
- Flow-Rite Fitting System: allows for easy removal of the bag for cleaning, storage, or winterization of your boat.



DIFFICULTY LEVEL:
Easy

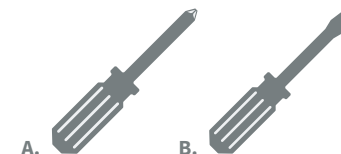


COMPLETION TIME:
30-45 Minutes



REQUIRED TOOLS

- A. PHILLIPS HEAD SCREWDRIVER
- B. SLOT HEAD SCREWDRIVER



INCLUDED COMPONENTS

- E. FACTORY BALLAST SYSTEM INTEGRATION ADAPTER
- F. QUICK CONNECT FITTINGS

TIMER NOTE

All 2008-2011 MasterCraft boats will require timer reprogramming to increase the fill and drain times. There is a link to timer configuration instructions below. <http://www.wakemakers.com/media/wysiwyg/blog/2013/06/Jabsco-AI-Timer-Instructions.pdf>

All 2007 MasterCraft require new Jabsco AI Timer Modules due to the inability for the timers to be increased above 6 minutes.

INSTALLATION INSTRUCTIONS**STEP 1**

Loosen the clamp on the vent hose located on top of the hard tank and remove it. Try to unthread the hose barb fitting in the top of the hard tank. If this is removable replace it with the black 1" NPT x 1" male quick connect fitting. **(If the fitting is not removable cut off a short section of the black MasterCraft OEM hose (2" - 4") and insert the gray 1" thread x 1" quick connect fitting. Place the other end of the hose to the hard tank barb and secure with a clamp.)*

STEP 2

Connect the quick connect elbow fitting that is closest to the black 1 PSI check valve onto the ballast tank fitting seen above. Slide the red collar down to secure the connection.

STEP 3

Loosen the clamp securing the hose to the thru-hull in the side of the boat and remove the hose.

STEP 4

Using the prefabricated kit place the hose that is not labeled onto the vent thru-hull fitting in the side of the boat. Secure with a hose clamp.

STEP 5

Thread the male quick connect fittings into your MasterCraft ballast bag.

STEP 6

Connect the straight hose fitting, labeled Fill/Drain, onto the bottom bag fitting. Slide the red collar down to secure the connection.

STEP 7

Connect the elbow hose fitting, labeled Vent/Overflow, onto the top bag fitting. Slide the red collar down to secure the connection.

STEP 8

Locate the unlabeled bare hose. Slide that hose onto the vent thru-hull fitting barb. Secure with a hose clamp.

Congratulations! You have successfully installed the WakeMAKERS Piggyback Upgrade.

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