

Tow Barge/Catch Instructions

KIT CONTENTS:



Barge Magnet, Spacer (discard), Barge Catch Head, Pushrod, Barge Catch Body, EZ-Connector, Mounting Screw.



WARNING:



CHOKING HAZARD - Small parts. Not for children under 3 years.

WARNING - To avoid danger of suffocation, keep plastic bags away from babies and children. Do not use in cribs, beds, carriages or play pens. **THESE PLASTIC BAGS ARE NOT TOYS.**

WARNING: Brass parts in this kit contain lead, a chemical known to the State of California to cause cancer and birth defects and other reproductive harm. Bronze and brass alloys can contain .03% to 3.7% lead.

WARNING: STRONG MAGNETIC FIELDS. Avoid contact with magnetic-sensitive appliances,

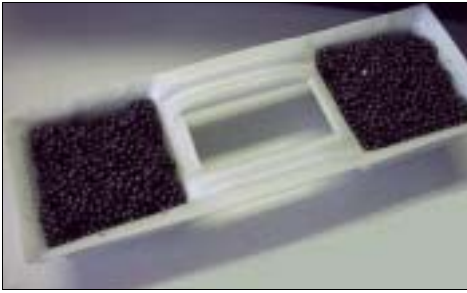
SAFETY AND HANDLING INFORMATION

The neodymium magnets included in this kit are extremely strong. They must be handled with care to avoid personal injury, damage to nearby electronics, and damage to the magnets themselves.

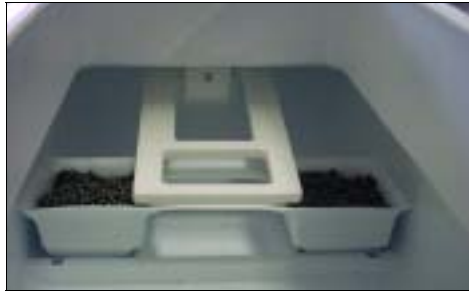
PERSONAL INJURY: Children should never handle neodymium magnets. Small magnets, and small parts of any kind will pose a choking hazard. Persons wearing pacemakers or similar medical devices should stay away from neodymium magnets. Wear eye protection when handling these magnets. Neodymium magnets are brittle and may chip or break if allowed to fall together. Their attraction is strong enough to pinch fingers. Never burn neodymium magnets as toxic fumes will be released. Bring magnets together slowly. Separate by sheering or sliding one away from the other. Do not drop the magnets as they may break.

PROPERTY DAMAGE: Never place these magnets on or near electronic devices. Persons wearing pacemakers hearing-aids, or similar medical devices should stay away from neodymium magnets. Never place a neodymium magnet against a TV, Computer Screen, VCR, or any similar electronic appliance. The strong magnetic field will damage any magnetic data such as video tapes, audio tapes, floppy disks, hard disk drives, and the magnetically encoded data on ID cards and Bank Cards, or similar items.

If you have concerns or are unwilling to be responsible for the safe use of this product, please return it immediately for a full refund.



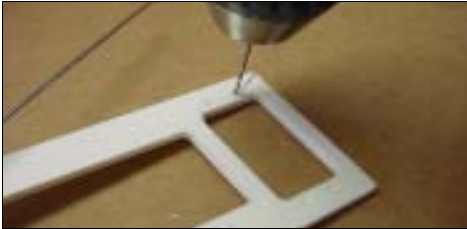
Remove the front Ballast Tray. Cut open the servo opening by repeated scoring with a hobby knife. You should remove some ballast to compensate for the weight of the



Set and center the front ballast tray and the Barge Catch assembly in place on the Hull Liner's mounting shelf as shown. Mark the mounting hole location with a pencil.



Remove the Barge Catch assembly. Drill a 1/8-inch hole in the hull liner for the mounting screw. Drill only through the liner, not the hull!



While the Barge Catch Assembly is out of the boat, check to see that the reference dimples match the holes in your Servo, then drill four 1/16" holes for the servo screws.



Install a standard Servo as above. Connect it to your radio gear, turn the servo control counter-clockwise. Adjust the EZ-Connector so the Head of the Barge Catch assembly points forward, and the Servo Arm is oriented exactly as shown. This is the CATCH position.



Test the Barge Catch Assembly by rotating the radio's control knob to full clockwise rotation. The Head of the Barge Catch Assembly should rotate freely to the left as shown. This is the RELEASE position.



The pushrod will have a slight angle to avoid binding as the two ends rotate. There should be no flexing of the body of the Barge Catch resulting from any binding.



To fit, the Barge Catch Assembly must be slid into the bow of the Towboat along with the Front Ballast Tray. The installation will resemble this cut-a-way photo.



Attach the Barge Catch Assembly with the stainless steel mounting screw. Tighten the screw gently, only until it is snug. The Barge Catch Assembly is now installed.

Install the Barge Magnet into your barge as close to the surface of the stern of the barge as possible. Place the height of the Barge Magnet to match the height of the Towboat's Barge Catch Magnet when both are in the water at their proper waterline. Make sure the Barge Magnet is oriented to be attracted to the Towboat when the Barge Catch Assembly is in the CATCH position. Properly installed, the Barge Catch Assembly will help hold your Vac-U-Tow Towboat against your Barge during most maneuvering. Waves or windy chop may cause the towboat and barge to separate. Additional magnets stacked onto the Barge Magnet will strengthen the magnetic bond, as long as the Servo is strong enough to rotate the Head of the Barge to release properly.