

# HUMMINBIRD

Temperature/Speed Accessory

## THANK YOU

*Thank you for choosing Humminbird, America's #1 name in depthsounders. Humminbird has built its reputation by manufacturing top-quality, thoroughly reliable marine equipment. Genuine Humminbird accessories offer the opportunity to upgrade and expand the capabilities of your Humminbird product.*

### BEFORE YOU START

The Temperature/Speed accessory incorporates a paddlewheel-type speed sensor and a water temperature probe in a high-impact plastic housing. The module is intended for installation on the transom, and will work well on almost any boat.

**Note:** *If the Temperature/Speed accessory will not work for your application, you may exchange it, NEW and UNASSEMBLED, with mounting hardware included, for an accessory that is appropriate for your application - often at very little or no charge depending on the accessory. Call the Humminbird Customer Resource Center (334-687-0503) for details and pricing, or visit [www.humminbird.com](http://www.humminbird.com), Product Support for more information.*

In addition to the parts supplied, you will need a hand drill with various bits, marine-grade silicone sealant, and a Phillips head screwdriver.

### INSTALLATION

Locate an area on the transom of your boat 6"-8" or farther from the transducer(s). This area must also maintain contact with the water at high speeds. Do not mount the module directly in front of the propeller or outdrive, and make sure that there are no protrusions such as ribs, rows of rivets, or transducers directly forward of the mounting location, as these may affect the flow of water over the paddlewheel.

Align the module on the transom so the lower edge is flush with the hull of the boat, and mark the hole locations. If the transom angle is excessive, a faring block may be needed to level the paddlewheel for proper operation.

On fiberglass hulls, it is best to start with a smaller bit and use progressively larger drill bits to reduce the chance of chipping or flaking the outer coating. Drill two  $\frac{5}{64}$ " (4 mm) mounting holes approximately  $\frac{3}{4}$ " (19 mm) deep.

Seal the mounting holes with marine-grade silicone sealant, and attach the module to the transom using the two washers and two screws provided. Hand tighten only!

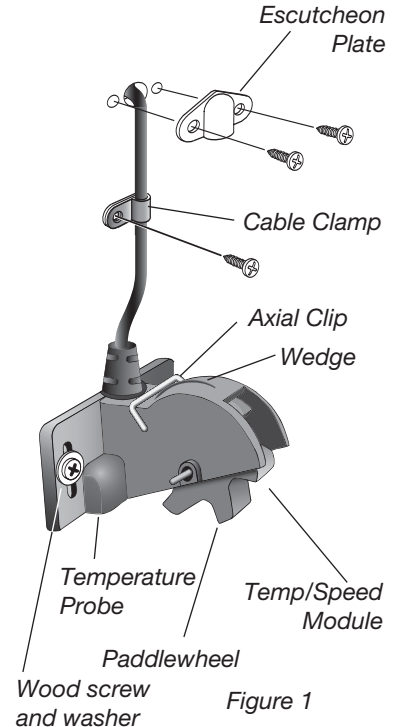


Figure 1

## **ROUTING THE CABLE**

You may route the cable over the top of the transom, or drill a  $\frac{5}{8}$ " (16 mm) diameter hole in the transom directly above the module and above the waterline to route cable through. Use the cable clamps provided to secure the cable to the transom of the boat. If a through-hole is used, an escutcheon plate is included to dress the hole.

**Note:** On fiberglass hulls, it is best to start with a smaller bit and use progressively larger drill bits to reduce the chance of chipping or flaking the outer coating.

All mounting screws require a  $\frac{5}{32}$ " pilot hole drilled approximately  $\frac{5}{8}$ " deep. Additionally, seal any hole drilled in the transom of the boat with marine-grade silicone sealant (not included).

Route the cable to your Control Head, and install the connector in the appropriate slot. Use the connector designated for accessories (labeled A) on the Control Head.

**Note: Refer to your Control Head installation guide for more information about the quick disconnect connector included with your Control Head.**

If the connections are correct, the Control Head will begin displaying water temperature and boat speed information immediately. If the speed sensor

fails to read properly at high speeds, adjust the height of the module on the transom.

## *Rotating Retaining Axial Clip to Remove Paddlewheel.*

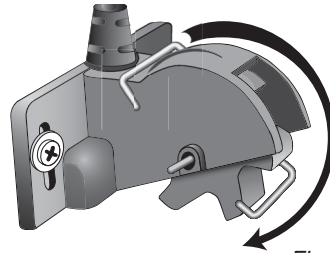


Figure 2

## **CLEANING**

You should periodically remove the paddlewheel from the housing and clean it to remove growth resulting from the marine environment, as a clean paddlewheel results in more accurate readings.

**Note: This procedure should only be performed when the boat is not running, and is normally performed when the boat is out of the water.**

Clean the paddlewheel by disengaging the axial clip from the housing wedge and rotating it forward. Once you have rotated the axial clip, remove it from the housing by sliding it away from the holes in the housing. The paddlewheel is now removed; clean it with a mild solution of biodegradable soap or hot water. Clean the wheel well of debris and/or algae at

this time. Once you have cleaned the paddlewheel you may reinsert it into the housing. Next, slide the axial clip back into the holes, then rotate it backwards to lock it into place with the wedge in the housing.

**Note: The Paddlewheel must be oriented so that it is scooping the water (see Figure 1).**

## **CUSTOMER RESOURCE CENTER**

Your Humminbird accessory is designed for trouble-free operation and is backed by a warranty. Refer to your Humminbird Warranty Card for the specific details of this warranty. If you have any questions contact the Humminbird **Customer Resource Center** at [www.humminbird.com](http://www.humminbird.com) for Product Support and troubleshooting guides or call:

**334-687-0503**

Throughout the U.S. and Canada, hours are Monday - Friday, 8:00 a.m. to 4:30 p.m. Central Time.

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**WARNING:** Disassembly and repair of this electronic unit should only be performed by authorized service personnel. Any modification of the serial number or attempt to repair the original equipment or accessories by unauthorized individuals will void the warranty. Handling and/or opening this unit may result in exposure to lead, in the form of solder.

**WARNING:** This product contains lead, a chemical known to the State of California to cause cancer and birth defects and other reproductive harm.