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Lowrance HST-WSBL

Lowrance HST-WSBL Transom-Mount Skimmer Transducer User Manual

Model: HST-WSBL

INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Lowrance HST-WSBL Transom-Mount Skimmer Transducer. The HST-WSBL is a transom-mount transducer featuring a wide cone angle and 200kHz frequency, designed for accurate depth and fish finding. It includes a built-in water temperature sensor and is compatible with Lowrance 200 kHz sonar units manufactured in 2004 and later, utilizing blue connectors. The transducer comes with a 20-foot cable.

PRODUCT OVERVIEW



Figure 1: Lowrance HST-WSBL Transom-Mount Skimmer Transducer. This image displays the transducer unit, its 20-foot cable with a blue connector, and the included mounting screws.

The Lowrance HST-WSBL transducer is engineered for reliable performance in marine environments. Its design allows for transom mounting, which is a common and effective method for many boat types. The 200 kHz frequency provides excellent detail for shallow to medium depths, making it suitable for a variety of fishing and navigation needs. The integrated water temperature sensor adds valuable environmental data to your sonar display.

Key Features:

- Transom-mount design for easy installation.
- Wide cone angle for broad coverage.
- 200 kHz operating frequency for clear sonar returns.
- Built-in water temperature sensor.
- 20-foot cable for flexible routing.
- Compatible with Lowrance 200 kHz sonar units (2004 and newer) with blue connectors.

SETUP AND INSTALLATION

Proper installation is crucial for optimal performance of your HST-WSBL transducer. Follow these guidelines carefully.

Tools and Materials Required:

- Drill with appropriate drill bits
- Marine sealant (e.g., silicone)
- Screwdriver
- Measuring tape
- Pencil or marker
- Zip ties or cable clamps for cable management

Mounting Location:

Select a location on the transom where the transducer will be continuously submerged in clean, non-turbulent water when the boat is underway. Avoid areas directly behind strakes, rivets, or other protrusions that can create air bubbles. The transducer face should be parallel to the waterline.

Installation Steps:

1. **Positioning:** Hold the transducer assembly against the transom in the chosen location. Ensure the bottom of the transducer is slightly below the hull line (typically 1/8 to 1/4 inch) and parallel to the water surface. Mark the mounting holes.
2. **Drilling:** Drill pilot holes at the marked locations. Apply marine sealant to the holes before inserting screws to prevent water intrusion.
3. **Mounting:** Secure the transducer bracket to the transom using the provided screws and marine sealant. Do not overtighten.
4. **Adjusting Angle:** Attach the transducer to the bracket. Adjust its angle so that the bottom face is parallel to the waterline. Tighten the pivot screws securely.
5. **Cable Routing:** Route the 20-foot transducer cable away from sources of electrical interference (e.g., engine wiring, VHF cables). Use cable clamps or zip ties to secure the cable along its path, preventing kinks or damage.
6. **Connecting to Sonar Unit:** Connect the blue connector of the transducer cable to the corresponding port on your Lowrance 200 kHz sonar unit. Ensure a firm and secure connection.

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Video 1: General overview of a Lowrance transducer. This video provides a visual guide to understanding the components and basic handling of a Lowrance transducer, which can be helpful for installation preparation.

OPERATING THE TRANSDUCER

The HST-WSBL transducer operates in conjunction with your Lowrance sonar unit. Once properly installed and connected, the transducer transmits and receives sonar signals to provide depth readings, bottom structure information, and detect fish.

Basic Operation:

- **Power On:** Turn on your Lowrance sonar unit. The transducer will automatically begin transmitting and receiving signals.
- **Sonar Display:** Observe the sonar display on your unit. You should see a clear bottom return and potentially fish arches or symbols.
- **Water Temperature:** The built-in sensor will provide real-time water temperature readings on your sonar display.
- **Adjusting Settings:** Refer to your specific Lowrance sonar unit's manual for detailed instructions on adjusting sensitivity, range, frequency (if applicable), and other sonar settings to optimize performance for your conditions.

Optimizing Performance:

- Ensure the transducer is always fully submerged.
- Maintain a clean transducer face, free from marine growth or debris.
- Avoid operating at excessive speeds if experiencing signal loss, as turbulence can interfere with sonar signals.

MAINTENANCE

Regular maintenance will ensure the longevity and optimal performance of your HST-WSBL transducer.

- **Cleaning:** Periodically inspect the transducer face for marine growth, dirt, or other obstructions. Clean gently with a soft cloth and mild soap and water. Avoid abrasive cleaners or tools that could scratch the surface.
- **Cable Inspection:** Check the transducer cable for any signs of wear, cuts, or kinks. Ensure all connections are secure and free from corrosion.
- **Mounting Hardware:** Verify that the mounting bracket and screws are tight and free from corrosion. Re-tighten if necessary, but do not overtighten.
- **Winterization:** If storing your boat in freezing temperatures, ensure the transducer is not exposed to ice formation, which can cause damage.

TROUBLESHOOTING

If you experience issues with your HST-WSBL transducer, consult the following common troubleshooting steps.

Problem	Possible Cause	Solution
No depth reading or weak signal	Transducer not submerged Air bubbles under transducer Dirty transducer face Loose or corroded cable connection Interference from other electronics	Check transducer position; adjust if necessary. Relocate transducer to a less turbulent area. Clean transducer face. Inspect and secure cable connections. Route transducer cable away from power cables.
Inaccurate water temperature	Sensor fouled or damaged Incorrect sonar unit settings	Clean sensor area. Consult sonar unit manual for temperature calibration.
Intermittent signal loss at speed	Transducer cavitation (air bubbles) Improper mounting angle	Adjust transducer depth slightly lower. Ensure transducer is parallel to the waterline.

For further assistance, refer to your Lowrance sonar unit's user manual or contact Lowrance customer support.

SPECIFICATIONS

Feature	Detail
Model	HST-WSBL
Transducer Type	Transom-Mount Skimmer
Frequency	200 kHz

Feature	Detail
Cone Angle	Wide
Sensors	Depth, Water Temperature
Cable Length	20 feet (6 meters)
Connector Type	Blue (Lowrance standard)
Compatibility	Lowrance 200 kHz sonar units (2004 and newer)
Item Weight	15.5 ounces (approx. 440 grams)

WARRANTY INFORMATION

Lowrance products are manufactured to high-quality standards. For specific warranty terms and conditions applicable to your HST-WSBL transducer, please refer to the warranty documentation included with your original purchase or visit the official Lowrance website. Typically, Lowrance offers a limited warranty covering defects in materials and workmanship for a specified period from the date of purchase.

Please retain your proof of purchase for warranty claims.

CUSTOMER SUPPORT

Should you require technical assistance, have questions about your product, or need to initiate a warranty claim, please contact Lowrance customer support.

- **Manufacturer:** Lowrance
- **Website:** www.lowrance.com (Please visit the official website for the most current contact information and support resources.)

When contacting support, please have your product model (HST-WSBL) and serial number (if applicable) ready.