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Zipwake ZW2011147

Zipwake ZW2011147 Series-S Kit User Manual

Fully Automatic Dynamic Control System with Fast-Acting Interceptors - KB600-S

1. Introduction

This manual provides essential information for the installation, operation, and maintenance of your Zipwake ZW2011147 Series-S Kit. The Zipwake Series-S is a fully automatic dynamic trim control system designed to enhance boat performance, fuel efficiency, comfort, and safety.
Please read this manual thoroughly before installing or operating the system to ensure correct usage and to prevent damage.

2. Product Overview

The Zipwake Series-S is the world's first economical dynamic trim control system, featuring durable and fast-acting interceptors. It operates automatically to improve your vessel's stability and performance.

2.1 Key Features

- Fully automatic and active trim control system.
- Dynamically eliminates uncomfortable and dangerous boat pitch and roll.
- Automatically reduces wave resistance and saves fuel.
- 5-10 times faster response than conventional trim tabs.
- Integrated GPS, 3D-Gyro, and 3D-Accelerometer for precise control.

2.2 Components Included in the Kit (KB600-S)

The Zipwake ZW2011147 Series-S Kit (KB600-S) typically includes the following components:

- 2x Fast-Acting Straight Interceptors with 3m cables.
- 1x Distribution Unit with 4m power cable.
- 1x Control Panel with standard 7m cable.
- 1x Extension Cable.

The basic installation can be expanded with up to two additional pairs of Series-S interceptors, allowing for a total of six interceptors without requiring additional connectors or power sources.



Figure 1: Illustration of the Zipwake ZW2011147 Series-S Kit components. This image shows the main parts of the system, including the interceptors, control panel, and distribution unit, as described in the kit contents.

3. Setup and Installation

Proper installation is crucial for the optimal performance of the Zipwake Series-S system. It is recommended that installation be performed by qualified personnel.

3.1 Pre-Installation Checklist

- Verify all kit components are present and undamaged.
- Ensure the vessel's transom is clean and suitable for interceptor mounting.
- Confirm adequate space for the distribution unit and control panel installation.
- Review the vessel's electrical system to ensure compatibility with the system's power requirements.

3.2 Mounting Interceptors

1. Determine the optimal position for the interceptors on the transom, ensuring they are submerged when the boat is at rest and clear of propellers or other underwater fittings.
2. Mark and drill mounting holes according to the provided template (if applicable).
3. Securely attach the interceptors using the supplied hardware and marine-grade sealant to prevent water ingress.

3.3 Connecting the Distribution Unit

1. Mount the distribution unit in a dry, accessible location, away from direct heat or excessive vibration.
2. Connect the interceptor cables to the corresponding ports on the distribution unit.
3. Connect the 4m power cable from the distribution unit to the vessel's 12V/24V DC power supply, ensuring it is fused appropriately.

3.4 Installing the Control Panel

1. Select a convenient location for the control panel at the helm, ensuring clear visibility and easy access for the operator.
2. Cut the mounting hole and secure the control panel.
3. Connect the 7m control panel cable to the distribution unit. Use the extension cable if additional length is required.

4. Operating Instructions

The Zipwake Series-S system is designed for fully automatic operation, but manual adjustments are also possible.

4.1 Powering On/Off

- To power on the system, ensure the vessel's main power switch connected to the Zipwake system is engaged. The control panel will illuminate.
- To power off, disengage the main power switch.

4.2 Automatic Mode

Upon startup, the system defaults to automatic mode. In this mode, the integrated GPS, 3D-Gyro, and 3D-Accelerometer continuously monitor the boat's motion and automatically adjust the interceptors to optimize trim, reduce roll, and minimize pitch.

- No user input is typically required in automatic mode for basic operation.
- The system will actively respond to changes in speed, load, and sea conditions.

4.3 Manual Adjustments

While automatic mode is highly effective, manual adjustments can be made for specific preferences or conditions:

- **Pitch Control:** Use the designated buttons on the control panel to manually adjust the boat's pitch (bow up/down).
- **Roll Control:** Use the designated buttons to manually adjust the boat's roll (side-to-side stability).
- **System Settings:** Refer to the detailed control panel manual (if provided separately) for advanced settings and calibration options.

5. Maintenance

Regular maintenance ensures the longevity and reliable performance of your Zipwake Series-S system.

5.1 Routine Checks

- **Monthly:** Inspect interceptors for marine growth, damage, or obstructions. Clean as necessary.
- **Quarterly:** Check all cable connections for corrosion or looseness. Ensure the distribution unit and control panel are dry and free from moisture.
- **Annually:** Inspect the entire system for wear and tear. Verify the integrity of all seals and mounting points.

5.2 Cleaning

- Clean interceptors with a soft brush and mild soap. Avoid abrasive cleaners or harsh chemicals.
- Wipe the control panel and distribution unit with a damp cloth.

6. Troubleshooting

This section provides solutions to common issues you might encounter with your Zipwake Series-S system.

Problem	Possible Cause	Solution
System does not power on.	No power supply; Blown fuse; Loose connection.	Check vessel's main power; Inspect and replace fuse; Verify all power cable connections.
Interceptors not responding.	Cable disconnected; Motor fault; Obstruction.	Check interceptor cable connections to distribution unit; Inspect for physical obstructions; Contact support if motor fault is suspected.
System not correcting trim effectively.	Incorrect installation; Sensor calibration issue; Severe sea conditions.	Review installation guide; Perform sensor calibration (refer to advanced manual); Manual adjustment may be required in extreme conditions.
Control panel display issues.	Loose cable; Water ingress; Software glitch.	Check control panel cable connection; Ensure panel is sealed; Restart system.

If you encounter issues not listed here or if the suggested solutions do not resolve the problem, please contact Zipwake customer support.

7. Specifications

Feature	Detail
Brand	Zipwake
Model Number	ZW2011147
Product Type	Fully Automatic Dynamic Trim Control System with Interceptors
Kit Name	Series-S Kit (KB600-S)
Item Weight	10.6 Kilograms
Package Dimensions	98.04 x 27.43 x 15.49 cm
Finish	Brushed
ASIN	B084HF6PH2

8. Warranty and Support

Zipwake products are manufactured to high standards and come with a manufacturer's warranty. For specific warranty terms and conditions, please refer to the documentation provided with your purchase or visit the official Zipwake website. For technical support, service, or warranty claims, please contact your authorized Zipwake dealer or visit the official Zipwake support portal. When contacting support, please have your product model number (ZW2011147) and purchase details ready.

Official Website: www.zipwake.com

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