

Silva 100BC

Silva 100BC Compass Instruction Manual

Model: 100BC

1. INTRODUCTION

The Silva 100BC is a front-reading compass designed for marine navigation. It features a robust bracket for various mounting options, including on the headlining. The compass provides a main steering scale on its horizontal rose and direct reading on its vertical edge, making it suitable for both sitting and standing helmsmen. Integrated illumination assists with night navigation, and a built-in compensator allows for adjustment against magnetic deviation.

Key Features:

- Double scales for reading from both side and above.
- Compensator for adjusting magnetic deviation, ensuring accurate course plotting.
- Built-in illumination for navigation in low-light conditions.
- Multiple mounting alternatives for optimal placement.
- Three lubber lines to provide clear readings and minimize parallax errors.

2. SETUP AND INSTALLATION

The Silva 100BC compass is designed for versatile installation on your vessel. Choose a mounting location that provides a clear line of sight for navigation and is free from significant magnetic interference from other electronic devices or metal objects.

Mounting the Compass:

1. Identify a suitable, stable surface for mounting. The robust bracket allows for various orientations, including overhead (headlining) or on a dashboard.
2. Secure the bracket firmly using appropriate marine-grade fasteners (not included). Ensure the bracket is level and stable.
3. Attach the compass unit to the secured bracket. Verify that the compass can pivot freely if designed to do so, or is fixed securely in its intended orientation.

4. After installation, perform a preliminary check to ensure the compass rose moves freely and the lubber lines are clearly visible.



Image 1: The Silva 100BC Compass, ready for installation. The compass features a black casing with clear markings and a red needle, designed for marine use.

3. OPERATING INSTRUCTIONS

Using your Silva 100BC compass effectively requires understanding its key features and proper reading techniques.

Reading the Compass:

- **Front Reading:** The compass is designed for front reading, meaning you can read your bearing directly from the vertical edge of the compass rose.
- **Horizontal Scale:** For a broader overview, the main steering scale on the horizontal part of the compass rose provides additional directional information.
- **Lubber Lines:** Utilize the three lubber lines to ensure accurate readings and minimize parallax errors. Align your desired course with the central lubber line.

Night Navigation:

The integrated illumination allows for clear visibility of the compass rose and markings during night navigation or in low-light conditions. Ensure the illumination is functioning correctly before embarking on night voyages.

Magnetic Deviation Compensation:

Magnetic deviation can occur due to magnetic fields produced by the vessel's equipment or structure. The built-in compensator allows you to adjust the compass to counteract these local magnetic influences, ensuring the compass points accurately to magnetic north. Refer to a professional for initial compensation adjustments if you are unsure.

Product Overview Video:

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Video 1: A product overview video demonstrating the features and use of a Silva compass. This video highlights the compact design, luminous markings, and the detachable lanyard, showcasing its utility for outdoor navigation.

4. MAINTENANCE

Proper maintenance will ensure the longevity and accuracy of your Silva 100BC compass.

- **Cleaning:** Clean the compass casing and dome with a soft, damp cloth. Avoid abrasive cleaners or solvents that could damage the materials or markings.
- **Storage:** When not in use, store the compass in a cool, dry place away from strong magnetic fields (e.g., speakers, magnets, large metal objects) to prevent demagnetization or damage.
- **Inspection:** Periodically inspect the compass for any signs of damage, such as cracks in the casing or dome, or sluggish movement of the compass rose.

5. TROUBLESHOOTING

If you encounter issues with your Silva 100BC compass, consider the following:

- **Inaccurate Readings:** Ensure the compass is not near any sources of magnetic interference, such as electronic devices, metal tools, or power cables. Re-check the compensation settings if applicable.
- **Sluggish Needle:** A sluggish or sticky needle might indicate internal damage or extreme temperature changes. Allow the compass to acclimate to ambient temperature. If the issue persists, contact customer support.
- **Illumination Failure:** Check the power source for the illumination (if battery-powered) or ensure connections are secure.

6. SPECIFICATIONS

Brand	Silva
Model Number	37177-0151
Item Weight	0.63 Pounds
Special Feature	Portable
Included Components	Compass
Manufacturer	Liberty Mountain Sports LLC

7. WARRANTY INFORMATION

The Silva 100BC Compass comes with a **Limited 2-year warranty**. This warranty covers manufacturing defects under normal use. Please retain your proof of purchase for any warranty claims. For detailed terms and conditions, refer to the official Silva warranty documentation or contact customer support.

8. CUSTOMER SUPPORT

For further assistance, technical support, or inquiries regarding your Silva 100BC Compass, please visit the official Silva website or contact their customer service department. You can also visit the [Silva Store on Amazon](#) for more product information and resources.