

Bomar N100010A

Bomar Low Profile Hatch 1000 Series Instruction Manual

Model: N100010A (Size: 10-3/4" x 10-3/4")

1. INTRODUCTION

This manual provides essential instructions for the proper installation, operation, and maintenance of your Bomar Low Profile Hatch 1000 Series, Model N100010A. Please read these instructions thoroughly before proceeding with installation or use to ensure safe and effective performance of the product.

2. PRODUCT OVERVIEW AND FEATURES

The Bomar Low Profile Hatch 1000 Series is designed for marine applications, offering durability and functionality. Key features include:

- **Style A-external hinge:** Provides robust and reliable opening mechanism.
- **Anodized heavy-duty aluminum frames:** Ensures corrosion resistance and structural integrity.
- **Heavy-duty acrylic top:** Offers clear visibility and UV resistance.
- **No sharp corners:** Designed to prevent snagging of lines or sails.
- **Heavy-duty hinges:** Built for long-lasting performance in marine environments.
- **Quick acting, adjustable tie down dogs:** Securely fastens the hatch when closed.
- **Locked vent position:** Allows for ventilation while maintaining security.
- **Molded trim ring:** Provides a finished appearance and aids in installation.



Figure 1: Bomar Low Profile Hatch 1000 Series, partially open. This image illustrates the anodized aluminum frame, the heavy-duty acrylic top, and the external hinge mechanism. The tie-down dogs are visible, securing the hatch in a slightly

3. SETUP AND INSTALLATION

Proper installation is crucial for the performance and longevity of your hatch. If you are unsure about any step, it is recommended to seek assistance from a qualified marine professional.

3.1. Tools and Materials Required

- Drill and appropriate drill bits
- Marine sealant (e.g., silicone or polysulfide)
- Fasteners (stainless steel screws or bolts, not included)
- Measuring tape and marking tools
- Jigsaw or suitable cutting tool for deck opening
- Screwdriver or wrench set

3.2. Installation Steps

1. **Prepare the Opening:** Ensure the deck opening is clean, smooth, and accurately sized to fit the hatch frame. The recommended cutout dimensions should match the hatch's specified opening size (e.g., 10-3/4" x 10-3/4").
2. **Dry Fit:** Place the hatch frame into the opening to verify fit and alignment. Mark the locations for drilling mounting holes.
3. **Drill Mounting Holes:** Carefully drill pilot holes at the marked locations. Ensure holes are appropriately sized for your chosen fasteners.
4. **Apply Sealant:** Apply a generous bead of marine sealant around the perimeter of the deck opening and around each mounting hole on the underside of the hatch frame. This creates a watertight seal.
5. **Position and Fasten:** Carefully lower the hatch into the opening. Insert fasteners through the frame and into the deck. Tighten fasteners evenly to compress the sealant, but do not overtighten.
6. **Install Trim Ring (if applicable):** If your model includes a trim ring, install it from the interior side according to its specific instructions, ensuring a snug fit.
7. **Cure Time:** Allow the sealant to cure fully according to the manufacturer's instructions before exposing the hatch to water or heavy use.

4. OPERATING INSTRUCTIONS

The Bomar Low Profile Hatch is designed for simple and secure operation.

- **Opening the Hatch:** To open, release the tie-down dogs by rotating them away from the frame. Gently lift the hatch lid. The external hinges will support the lid in various open positions.
- **Closing the Hatch:** Lower the hatch lid until it rests flush with the frame. Rotate the tie-down dogs inward to engage with the frame, securing the hatch. Ensure all dogs are fully engaged for a watertight seal.
- **Vent Position:** For ventilation, the hatch can be secured in a partially open, locked vent position. This is achieved by engaging the tie-down dogs into a specific notch or position on the frame that allows for airflow while preventing the hatch from fully opening or closing unexpectedly. Refer to the specific mechanism on your hatch for this feature.

5. MAINTENANCE

Regular maintenance will extend the life and ensure the proper function of your Bomar hatch.

- **Cleaning:** Clean the acrylic top and aluminum frame regularly with mild soap and fresh water. Avoid abrasive cleaners or solvents that can damage the acrylic or anodized finish. Rinse thoroughly.
- **Seal Inspection:** Periodically inspect the rubber gasket/seal around the hatch for cracks, hardening, or damage. A compromised seal can lead to leaks. Replace seals as necessary.
- **Hinge and Dog Lubrication:** Apply a small amount of marine-grade lubricant (e.g., silicone spray or grease) to the hinges and tie-down dog mechanisms annually or as needed to ensure smooth operation and prevent corrosion.
- **Fastener Check:** Periodically check all mounting fasteners for tightness. Do not overtighten.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your hatch.

Problem	Possible Cause	Solution
Hatch leaks water	Damaged or worn seal; improper sealant application during installation; loose fasteners.	Inspect and replace seal if damaged. Re-apply marine sealant around the frame. Tighten fasteners evenly.
Difficulty opening/closing	Corroded or stiff hinges/dogs; debris in mechanism; overtightened fasteners.	Clean and lubricate hinges and tie-down dogs. Remove any debris. Check fastener tension.
Hatch does not stay open	Worn hinge friction mechanism (if applicable); external hinge issue.	Inspect hinges for wear. Consult manufacturer for replacement parts if necessary.

7. SPECIFICATIONS

- **Model:** N100010A
- **Series:** 1000 Series Low Profile Hatch
- **Nominal Size:** 10-3/4" x 10-3/4"
- **Product Dimensions (Overall):** 10.75 x 10.75 x 0.1 inches (approximate)
- **Brand:** Bomar
- **Manufacturer:** Bomar
- **Frame Material:** Anodized Aluminum
- **Top Material:** Heavy-duty Acrylic
- **Mounting Type:** Door Mount
- **UPC:** 759739000071

8. WARRANTY INFORMATION

Specific warranty details for the Bomar Low Profile Hatch 1000 Series are not provided in this manual. Please refer to the original product packaging, the manufacturer's official website, or contact your point of purchase for comprehensive warranty terms and conditions.

9. CUSTOMER SUPPORT

For technical assistance, replacement parts, or further inquiries regarding your Bomar hatch, please contact Bomar customer service directly or the authorized dealer from whom the product was purchased. Contact information can typically be found on the manufacturer's website or product documentation.

