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MAXWELL HRC10812V

Maxwell HRC 10-8 Rope Chain Horizontal Windlass User Manual

Model: HRC10812V

INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Maxwell HRC 10-8 Rope Chain Horizontal Windlass. The HRC10-8 Horizontal Series windlasses are designed for boats up to 45 feet, building upon the successful legacy of Maxwell's fully automatic rope/chain anchor winches. Please read this manual thoroughly before installation or use to ensure proper function and longevity of your equipment.

SAFETY INFORMATION

Operating marine equipment requires adherence to strict safety protocols. Failure to follow these instructions may result in serious injury, damage to property, or death.

- Always ensure the anchor is properly stowed and secured when underway.
- Keep hands, feet, and clothing clear of the chain, rope, and gypsy during operation to prevent entanglement and injury.
- Never operate the windlass under the influence of alcohol or drugs.
- Ensure the vessel's electrical system is properly grounded and fused according to manufacturer specifications.
- Do not use the windlass to pull the vessel to the anchor; use the vessel's engine to approach the anchor.
- Regularly inspect the anchor rode (rope and chain) for wear, damage, or corrosion. Replace as necessary.
- In an emergency, be prepared to manually release the anchor or cut the anchor rode.

PRODUCT OVERVIEW

The Maxwell HRC 10-8 windlass is a horizontal-mount unit designed for efficient handling of both rope and chain. Its robust construction ensures reliable performance in marine environments.



Image showing the Maxwell HRC 10-8 Horizontal Windlass, featuring its robust design with both rope and chain engaged in the gypsy. The unit is grey and chrome, highlighting the rope/chain management system.

Key components include the motor, gearbox, gypsy (for rope and chain), and control mechanisms. The design allows for smooth transition between rope and chain, optimizing anchoring operations.

SETUP

Proper installation is critical for the safe and effective operation of your windlass. It is recommended that installation be performed by a qualified marine technician.

- 1. Mounting Location:** Select a strong, flat area on the deck, ensuring adequate space for the windlass, anchor rode, and chain locker below. The location should allow for a clear lead of the rode to the bow roller.
- 2. Deck Reinforcement:** The mounting area must be sufficiently reinforced to withstand the pulling forces exerted by the windlass. Use backing plates as necessary.
- 3. Electrical Wiring:** Connect the windlass to the vessel's DC electrical system using appropriately sized marine-grade wiring and circuit protection (fuses/breakers). Refer to the wiring diagram provided with the product for specific connections. Ensure all connections are secure and corrosion-resistant.
- 4. Rode Installation:** Feed the anchor chain and rope through the bow roller and into the windlass gypsy. Ensure the chain is correctly aligned with the chain counter (if applicable) and that the rope is properly spliced to the chain.
- 5. Testing:** After installation, perform a series of tests to ensure the windlass operates smoothly in both directions and that the

anchor rode feeds correctly.

OPERATING INSTRUCTIONS

Familiarize yourself with the windlass controls before operating in a real-world scenario.

Deploying the Anchor:

- Ensure the vessel is stationary or moving slowly astern.
- Release any anchor securing devices.
- Press the "DOWN" button on your windlass control. The windlass will pay out the anchor rode.
- Monitor the amount of rode deployed and the anchor's setting.

Retrieving the Anchor:

- Maneuver the vessel slowly towards the anchor, using the engine to reduce strain on the windlass.
- Press the "UP" button on your windlass control. The windlass will retrieve the anchor rode.
- Guide the rode to ensure it feeds smoothly into the chain locker.
- Once the anchor is at the bow roller, secure it properly before proceeding.

MAINTENANCE

Regular maintenance will extend the life of your Maxwell windlass and ensure reliable operation.

- **Rinse:** After each use, rinse the windlass and anchor rode with fresh water to remove salt and debris.
- **Inspect:** Periodically inspect the windlass for signs of corrosion, loose fasteners, or wear on the gypsy and other moving parts. Check electrical connections for corrosion.
- **Lubrication:** Consult the specific product manual for lubrication points and recommended lubricants. Generally, moving parts may require light lubrication.
- **Rode Condition:** Regularly inspect the anchor rope for chafe and the chain for bent links or excessive wear. Replace damaged sections or the entire rode if necessary.
- **Winterization:** In cold climates, ensure the windlass and chain locker are drained and protected from freezing temperatures.

TROUBLESHOOTING

This section addresses common issues you might encounter. For more complex problems, contact Maxwell customer support.

| Problem | Possible Cause | Solution |
|-------------------------------------|---|---|
| Windlass does not operate. | No power; tripped circuit breaker/fuse; faulty wiring; motor issue. | Check battery connections; reset breaker or replace fuse; inspect wiring for damage; consult technician if motor is faulty. |
| Rope/Chain jams on gypsy. | Incorrect rode size; twisted rode; debris in gypsy; worn gypsy. | Ensure correct rode size; untwist rode; clear debris; inspect and replace gypsy if worn. |
| Windlass operates slowly or weakly. | Low battery voltage; undersized wiring; excessive load. | Charge batteries; verify wiring gauge; reduce load by using engine to approach anchor. |

SPECIFICATIONS

| Attribute | Detail |
|----------------------------|---------------------|
| Brand | MAXWELL |
| Model Number | HRC10812V |
| Material | Alloy Steel, Metal |
| Item Weight | 56 Pounds |
| Item Dimensions (LxWxH) | 19 x 17 x 12 inches |
| Package Dimensions (LxWxH) | 25 x 23 x 14 inches |
| Manufacturer | Maxwell |
| Vehicle Service Type | Watercraft |
| Chain Compatibility | 5/16" Chain |
| Rope Compatibility | 5/8" Rope |

WARRANTY AND SUPPORT

Maxwell products are manufactured to high standards. For specific warranty details, please refer to the warranty card included with your product or visit the official Maxwell website. In general, the product may be eligible for a 30-day easy return policy from the point of purchase.

For technical assistance, spare parts, or service inquiries, please contact Maxwell customer support. Provide your model number (HRC10812V) and purchase details when contacting support to expedite assistance.

Manufacturer: Maxwell

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no relevant documents