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› Harken 40 Self-Tailing Radial Aluminum Winch - 2 Speed User Manual

HARKEN 40.2STA

Harken 40 Self-Tailing Radial Aluminum Winch - 2 Speed

Model: 40.2STA

PRODUCT OVERVIEW

The Harken 40 Self-Tailing Radial Aluminum Winch is a robust and efficient two-speed winch designed for marine applications. Its self-tailing feature simplifies line handling, allowing for single-person operation, while the radial grip surface ensures secure line engagement. Constructed from durable aluminum, this winch is built to withstand harsh marine environments and provide reliable performance for various sailing tasks.



Image: The Harken 40 Self-Tailing Radial Aluminum Winch, showcasing its black aluminum body with a red stripe near the base and a polished chrome top with a self-tailing mechanism.

SETUP AND INSTALLATION

Proper installation is crucial for the safe and effective operation of your Harken winch. While specific boat configurations vary, the general principles remain consistent.

Mounting Considerations:

- **Location:** Choose a strong, flat surface capable of supporting the winch's load. Ensure adequate clearance for winch handle rotation and line lead.
- **Reinforcement:** The mounting surface should be adequately reinforced from underneath to distribute loads and prevent deck damage.

- **Fasteners:** Use appropriate marine-grade fasteners (e.g., stainless steel bolts) of the correct length and diameter. Ensure fasteners penetrate through the deck and backing plate.
- **Sealing:** Apply a marine sealant around fastener holes and the winch base to prevent water ingress.

Pre-Installation Check:

- Inspect the winch for any signs of shipping damage.
- Ensure all components are present as per the packing list.

OPERATING INSTRUCTIONS

The Harken 40.2STA is a two-speed self-tailing winch, offering mechanical advantage for hauling lines.

Two-Speed Operation:

1. **First Speed (Fast):** Insert the winch handle and rotate it clockwise. This provides a faster line retrieval with less power.
2. **Second Speed (Powerful):** To engage the second, more powerful speed, reverse the direction of the winch handle rotation (counter-clockwise). This engages a different gear ratio, providing greater mechanical advantage for heavy loads.

Self-Tailing Feature:

- Wrap the line around the winch drum in a clockwise direction, ensuring at least three full turns for good grip.
- Feed the tail of the line into the self-tailing jaws.
- As you crank the winch, the self-tailing mechanism will automatically hold the line, freeing your hands to manage other tasks.
- To release the line, simply pull it upwards and out of the self-tailing jaws.

Important: Always maintain control of the line. Never allow the line to slip excessively on the drum, as this can cause wear to both the line and the winch drum.

MAINTENANCE

Regular maintenance extends the life and ensures the reliable operation of your Harken winch.

- **Cleaning:** Rinse the winch with fresh water after each use, especially in saltwater environments, to remove salt and dirt. Avoid high-pressure washers.
- **Lubrication:** Periodically (e.g., annually or semi-annually depending on use) disassemble the winch according to Harken's official service manual (not provided here, but generally available from manufacturer) to clean and re-grease gears and pawls with marine-grade winch grease and oil.
- **Inspection:** Regularly inspect the winch for signs of wear, corrosion, or damage. Check the condition of the drum, self-tailing jaws, and all moving parts.
- **Pawls and Springs:** Pay particular attention to the pawls and springs, which are critical for the winch's operation. Replace any worn or damaged pawls or springs immediately.

For detailed service instructions, refer to the comprehensive service manual provided by Harken or consult a certified marine technician.

TROUBLESHOOTING

This section addresses common issues you might encounter with your Harken winch.

Problem	Possible Cause	Solution
Winch handle slips or does not engage.	Worn or broken pawls/springs; debris in mechanism.	Disassemble, clean, inspect, and replace worn pawls/springs.
Winch is stiff or hard to turn.	Lack of lubrication; corrosion; internal damage.	Clean and re-lubricate all moving parts. Inspect for corrosion or damage.
Line slips on the drum.	Insufficient wraps; worn drum surface; incorrect line size.	Ensure at least 3-4 wraps. Inspect drum for wear. Use appropriate line diameter.
Self-tailing jaws do not hold line.	Worn jaws; incorrect line size; debris.	Clean jaws. Ensure line is within recommended diameter. Replace worn jaws.

If problems persist after attempting these solutions, it is recommended to contact Harken customer support or a qualified marine technician.

SPECIFICATIONS

Attribute	Detail
Brand	HARKEN
Model Name	40.2STA
Part Number	40.2STA
Material	Aluminum
Color	Black
Item Package Dimensions (L x W x H)	11 x 10 x 9 inches
Package Weight	9.2 Pounds
Number of Items	1
Handle Material	Aluminum
Grip Type	Power
UPC	097653600466

WARRANTY INFORMATION

This Harken product is covered by a manufacturer's warranty. For specific details regarding warranty terms, conditions, and duration, please refer to the official warranty documentation provided with your purchase or visit the official Harken website. Keep your proof of purchase for any warranty claims.

CUSTOMER SUPPORT

For technical assistance, spare parts, or further inquiries regarding your Harken 40 Self-Tailing Radial Aluminum Winch, please contact Harken customer support directly. Contact information can typically be found on the official Harken website

or within the product packaging.
Online Resources: www.harken.com

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question