

TYT THWB2000-C

TYT 2000LB Manual Boat Trailer Winch (Model THWB2000-C) Instruction Manual

INTRODUCTION

This manual provides essential information for the safe and effective operation, installation, and maintenance of your TYT 2000LB Manual Boat Trailer Winch, model THWB2000-C. This heavy-duty hand crank winch is designed for towing and lifting applications, featuring a 26ft steel cable and a two-way ratchet with gear ratios of 4:1 and 8:1. Please read this manual thoroughly before use.



Image: The TYT 2000LB Hand Winch with a black plating surface and steel cable, highlighting its 2000LBS capacity.

SAFETY INFORMATION

- Always wear appropriate personal protective equipment, including gloves and eye protection, when operating the winch.
- Ensure the winch is securely mounted to a stable surface capable of supporting the intended load.
- Never exceed the rated capacity of 2000LB.
- Keep hands and clothing clear of moving parts, gears, and the cable/strap during operation.
- Inspect the cable/strap and hook for wear, damage, or corrosion before each use. Do not use if damaged.
- Ensure the load is properly secured to the hook before beginning to winch.
- Do not use the winch for lifting people or for applications where a sudden release could cause injury.

- Be aware of the ratchet mechanism. Ensure it is fully engaged in the desired direction (forward or reverse) before applying load.

PRODUCT COMPONENTS AND DIMENSIONS

The TYT 2000LB Manual Boat Trailer Winch includes the main winch body, a hand crank handle, a steel cable (26ft, 5.0mm diameter), and a heavy-duty hook. Refer to the diagram below for detailed dimensions.



Image: A diagram illustrating the key dimensions of the TYT 2000LB winch, including the handle (9.84 inches / 250mm), hook (2.16 inches / 55mm height, 3.54 inches / 90mm length), and winch body (7.36 inches / 187mm height, 4.82 inches / 122.5mm width).

INSTALLATION

The winch is designed for secure mounting using bolts. The base plate features multiple pre-drilled holes for attachment. It is recommended to use at least three bolts for secure installation, ensuring the mounting surface is robust enough for the winch's capacity.

For a visual guide on installation, please refer to the video below:

Your browser does not support the video tag.

Video: Demonstrates the installation process of the boat trailer winch, highlighting its robust design and ease of setup.



Image: A close-up view of the winch's base plate, showing the various mounting holes for secure attachment.

OPERATING INSTRUCTIONS

Engaging the Gears and Ratchet

The winch features a two-way ratchet system and two speed settings (4:1 and 8:1 gear ratios) for versatile operation. The speed can be adjusted by changing the handle's position on the drive axles.

Steel Cable

\varnothing 5.0mm x 8m

- ◆ Strong and durable,
- ◆ Breaking strength 2000 pounds



Image: A detailed view of the winch's gears, emphasizing the precise biting mechanism and the use of hardened, heat-treated steel for durability.

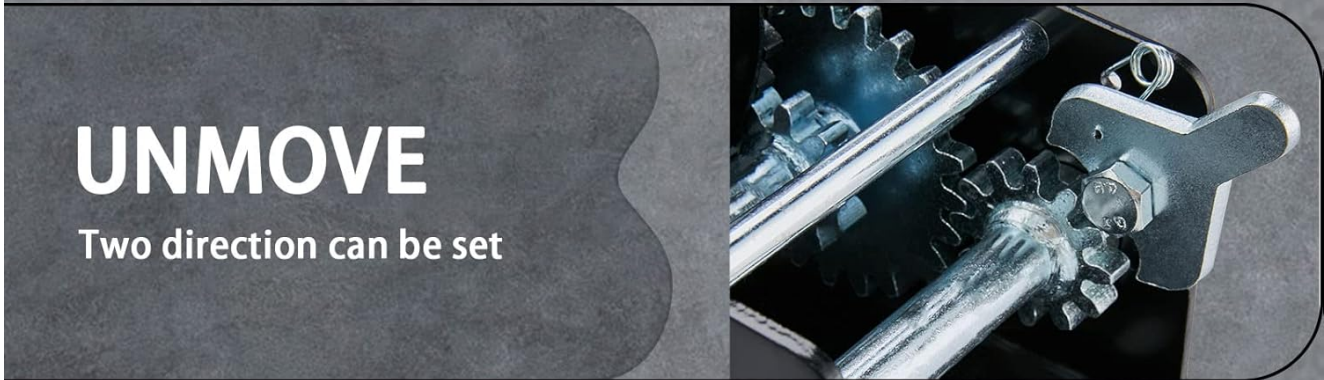


Image: The winch handle and its two possible positions for engaging different gear ratios, allowing for 2-way and 2-speed operation.

Ratchet Direction Control

The ratchet mechanism allows for controlled winding (UPWARD), unwinding (DOWNWARD), or locking (UNMOVE) of the cable/strap. Adjust the ratchet lever to the desired position:

- **DOWNWARD:** Set the forward stirring ratchet to allow the cable to unwind.
- **UNMOVE:** Set the ratchet to the middle position to lock the spool and prevent movement in either direction.
- **UPWARD:** Stir the ratchet opposite of the downward direction to wind the cable onto the spool.



Image: A visual guide demonstrating the three positions of the ratchet lever: DOWNWARD for unwinding, UNMOVE for locking, and UPWARD for winding.

CABLE/STRAP MANAGEMENT

The winch comes equipped with a durable steel cable. In some models, a strap may be used. Both are designed for heavy-duty applications.

Turning Rotation

2way / 2speed

- ◆ Operating the TYT winch easily
- ◆ The speed can be adjusted due to the use of handle position.

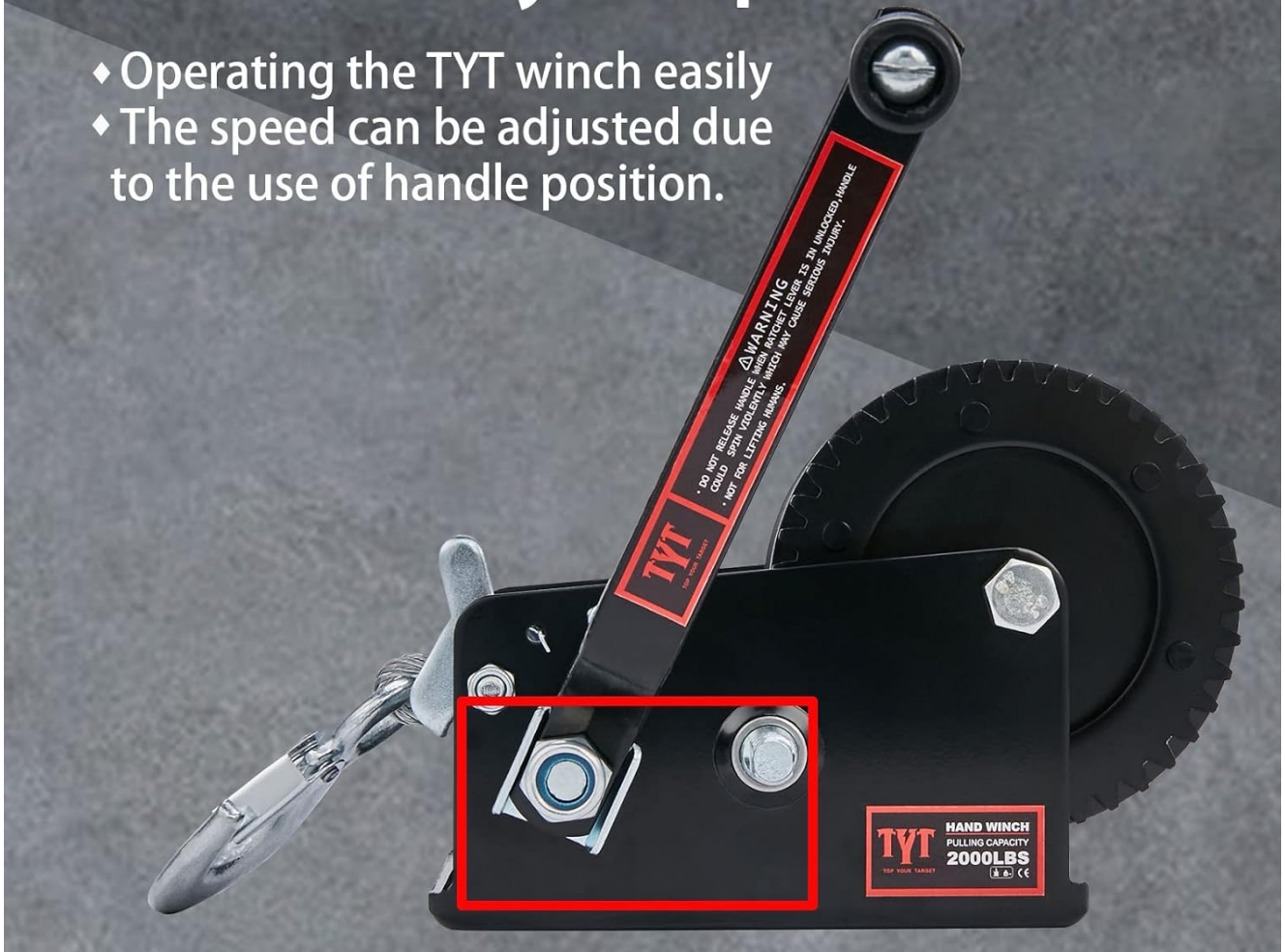


Image: A close-up of the steel cable wound around the winch spool, highlighting its robust construction and 2000-pound breaking strength.

Replacing the Cable/Strap

The cable or strap on your winch is replaceable. If the cable/strap shows signs of wear, fraying, or damage, it must be replaced immediately to ensure safe operation. You can easily change it yourself.

WIDE APPLICATION



*WINCHES ON PICTURES DONT REPRESENT OUR PRODUCT,AND USED ONLY AS AN EXAMPLE OF POSSIBLE USE CASES.

Image: A diagram illustrating that the winch can accommodate either a steel cable or a red strap, indicating easy interchangeability.

MAINTENANCE

- **Regular Inspection:** Periodically inspect all moving parts, including gears, axles, and the ratchet mechanism, for signs of wear or damage.
- **Lubrication:** Apply a suitable lubricant to the gears and moving parts as needed to ensure smooth operation and prevent corrosion.
- **Cable/Strap Care:** Keep the cable or strap clean and free of debris. If exposed to saltwater, rinse thoroughly with fresh water after each use. Replace the cable/strap if it shows any signs of wear, fraying, or damage. Nylon straps, if used, can deteriorate over time due to UV exposure and saltwater.
- **Storage:** Store the winch in a dry environment when not in use to prevent rust and prolong its lifespan.

TROUBLESHOOTING

- **Winch is difficult to crank:** Check for excessive load. Ensure gears are properly lubricated. Inspect for any obstructions or damage to the gears or handle.

- **Ratchet not engaging:** Ensure the ratchet lever is fully moved into one of the three positions (UPWARD, DOWNWARD, or UNMOVE). Check for debris preventing full engagement.
- **Cable/Strap not winding evenly:** Ensure the cable/strap is under tension when winding to prevent tangling. Guide it manually if necessary to ensure even layering on the spool.
- **Handle does not fit:** Verify the handle is correctly aligned with the drive axle. Some handles may require minor adjustments or firm pressure to seat properly.

SPECIFICATIONS

| Feature | Specification |
|--------------------|---|
| Model Number | THWB2000-C |
| Manufacturer | TYT |
| Item Weight | 11.53 pounds |
| Product Dimensions | 9.06 x 6.69 x 6.69 inches |
| Cable Length | 26 feet (approx. 8 meters) |
| Cable Diameter | 5.0 mm |
| Gear Ratio | 4:1 / 8:1 |
| Capacity | 2000 LB |
| Material | Carbon Steel (Winch Body), Hardened Steel (Gears) |
| Weather Resistant | Yes |

INTENDED USE

The TYT 2000LB Manual Boat Trailer Winch is suitable for a wide range of applications requiring manual pulling or lifting, including:

- Loading and unloading boats onto trailers.
- Securing vehicles on flatbed trailers.
- General towing and recovery tasks for ATVs, RVs, and small trucks.
- Various lifting applications within its weight capacity.



HAND WINCH

BLACK PLATING SURFACE
WITH STEEL CABLE

2000LBS



Image: A collage showing various applications of the winch, such as pulling a boat onto a trailer, securing a car on a flatbed, and general towing scenarios.

WARRANTY AND SUPPORT

For warranty information or technical support, please contact TYT customer service through the retailer where the product was purchased. Keep your purchase receipt as proof of purchase.