



Watercraft Trailer Winches

READ, UNDERSTAND, FOLLOW AND SAVE THESE INSTRUCTIONS

- Read, understand and follow all instructions before installing and using this product.
- Never allow anyone unfamiliar with these instructions to use this product. Read, understand and follow all instructions provided by the manufacturer of the product(s) on which this product will be installed.
- Installation of this product must conform to the following mounting instructions.
- Save these instructions for use as a reference in the future.



WARNING

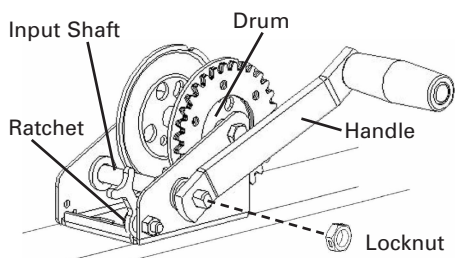
Failure to follow these warnings and instructions may result in property damage, serious bodily injury, and/or death.

- Purchaser/owner must ensure that product is installed according to these instructions. Purchaser/owner must not alter or modify the product.
- Operator and bystanders should never position any part of body under any portion of this product or the load being supported, lifted, or moved.
- Do not allow children to play on or around this product or the load being supported, lifted, or moved.
- Do not use winch as human hoist.
- Never exceed the maximum rated capacity. Refer to stamped markings on handle side of frame to obtain rated capacity.
- Always inspect the cable and attachment before each use to make sure they are not damaged. Never use worn, kinked, or frayed cable. If the cable or attachment breaks, the cable will whip violently, causing property damage, serious bodily injury, and/or death.
- Never stand along side the winch cable, strap, or rope or guide the cable, strap, or rope with your hands.
- Never operate with slippery, wet, or oily hands. Always maintain a firm grip on the winch handle. Do not attempt to stop a winch by grabbing the handle while in motion.
- Always maintain a minimum of three complete wraps of cable or rope on the drum, or three layers of strap on the drum.
- Only 2-speed winches that have a hub diameter of 1-3/4" can accommodate steel cable.
- Assure there is an adequate safety factor, of at least 3 times the maximum load for all components used.
- A loud clicking sound from the ratchet must be heard when lifting the load. If a loud clicking sound is not heard do not use and replace ratchet components immediately.
- Never release the crank handle unless the ratchet pawl is fully engaged and the load is supported.
- Never leave a weight hanging from the winch while the winch is unattended, as another person may attempt to operate the winch, thereby creating an unsafe condition.
- This winch is designed for manual operation only and the load rating is based on an intermittent duty cycle.
- This winch is designed for use on watercraft trailers only.
- Excessive force in turning winch handle may indicate overload. Cequent brand winches require 25-45 lbs of handle force to pull their rated load.
- If you cannot crank the winch with one hand you are potentially overloading the winch.
- On two speed winches, make sure that the ratchet pawl is properly engaged and holding the load before attempting to change gears.
- Winches are not designed to secure boats to trailers while towing. Boat tie downs should be used for this purpose.
- In no case will the ratchet pawl system hold the load when it is being let out or lowered.
- Periodically check mounting hardware for proper tightness and tighten if necessary.
- Always replace bent, broken, or worn parts before using this product.

Installation Instructions

Warning: Failure to follow all installation instructions could result in winch failure.

Bolt the winch to a structure capable of supporting at least 5 times the load the winch will be pulling. When bolting the winch down, use at least 3 grade 5, 3/8 dia. bolts, flat washers, and locknuts (not supplied). Always use the widest possible bolt pattern at the end opposite the direction of line pull. The winch stand must be of adequate strength and equal size to the base of the winch frame. Place washers under the heads of the bolts and place the bolts into the slots of the base (those nearest the outside of the frame). Put a lock nut onto each bolt. Tighten nuts onto bolts until winch is secure on structure. Install steel cable, strap, or rope onto the drum in such a way that the ratchet pawl is operating (clicking) as the line is pulling the load.



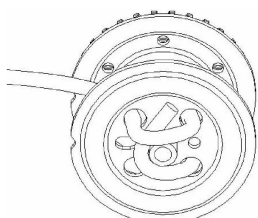
Attaching a Handle:

Assemble the handle onto the flattened input shaft end. Tighten the 1/2 - 13 locknut against handle until secure. Do not remove the double locknuts on the long end of the input shaft.

When attaching a steel cable, rope, or strap to your winch, check to see that it will operate as desired. Install the steel cable, strap or rope according to this instruction sheet and re-install the winch drum as it was before. Torque the locknut to 9-10 ft. lbs.

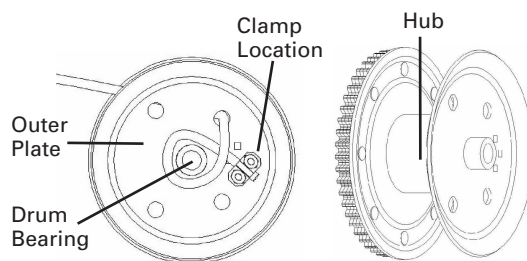
Attaching a Rope:

Attaching a rope to the winch drum requires no bolts, nuts, or rope keeper. The rope must weave through the drum outer wall and be secured beneath itself as shown in the neighboring illustration. Maintain at least three complete wraps of rope around the drum hub at all times.

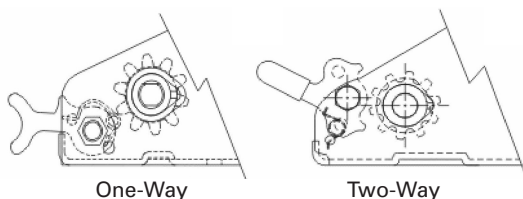


Attaching a Steel Cable to a Drum:

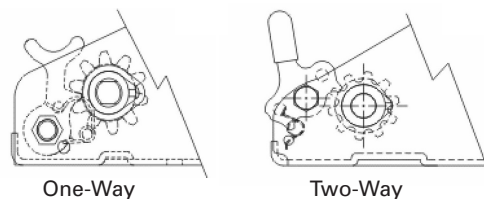
Pass the cable from the inside of the drum through one of the dimpled holes in the outer plate. Loop the cable around the drum bearing, under itself, and leave 1" of cable extending past the clamp location. Tighten the clamp nuts to approximately 2 ft. lbs.



Ratchet Pawls Disengaged

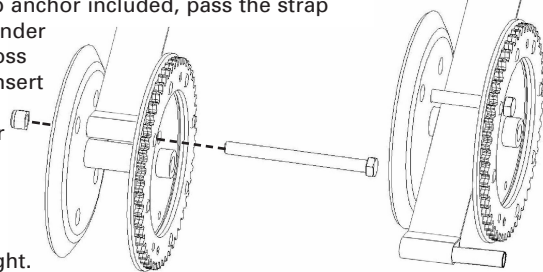


Ratchet Pawls Engaged



Attaching a Strap:

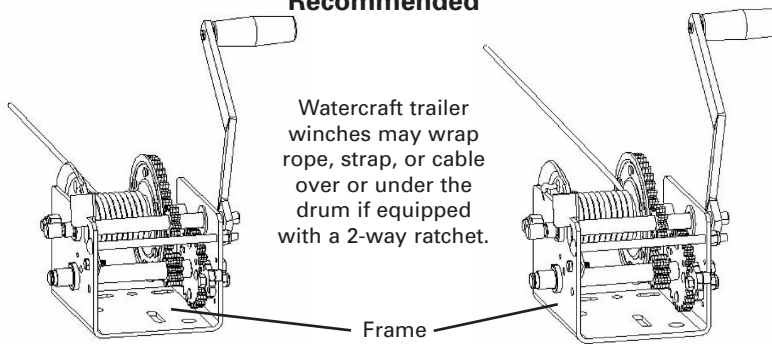
Resse® Towpower brand winches have holes in the drums for a strap cross bolt when using strapping. A grade 5 bolt of the largest possible size is required for strap mounting. Tighten the locknut just to where end play in bolt is taken up. Over-tightening can deform drum. For winches having a strap anchor included, pass the strap loop under the cross bolt, insert strap anchor in the strap loop, then pull tight.



Your winch is designed for the load to be applied in-line with the frame base.

Recommended

Watercraft trailer winches may wrap rope, strap, or cable over or under the drum if equipped with a 2-way ratchet.



Operation

Let Line/Load Out:

Before turning the handle, firmly grip the winch handle and disengage the ratchet pawl or engage it in the reverse direction. You may have to take in a small amount of line to allow the ratchet pawl to disengage. If you must stop before the load is fully out, be sure the ratchet pawl is engaged and gradually release the winch handle to be sure the ratchet pawl is holding the load: clicking while letting out line does not mean the ratchet is in position to hold the load.

Take Line/Load In:

Be sure the ratchet pawl is engaged. As you turn the handle, make sure the cable, strap, or rope is winding onto the drum properly. The cable, strap, or rope should wind on matching the three or more wraps of cable or rope on the drum, or three layers of strap on the drum. If you must stop before the load is fully out, be sure the ratchet pawl is engaged and gradually release the winch handle to be sure the ratchet pawl is holding the load.

Maintenance

The following procedures should be performed at least annually:

The gears and bushings of the winch must be kept lubricated. Apply a thin film of grease to the gear teeth and bushings as needed. The ratchet pivot point must be kept lubricated with a thin oil.

