

# Davit Master

*Power to Lift – Quality to Last*

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## BOAT RAMP WINCH MAINTENANCE GUIDE

**WORDS OF CAUTION:** DavitMaster's Boat Ramp Winch is designed, constructed and tested for years of safe and reliable use. However, **neglect or failure to properly maintain your boat ramp winch could result in severe damage to your boat and injury or even death to yourself.** One of the most important and most commonly overlooked component on your boat ramp winch is the cable. **The cable installed on your boat ramp winch is a wear/replacement item. Only periodic replacement will prevent the cable's eventual failure. And failure to maintain the cable on your boat ramp winch will result in cable failure.**

For your boat's protection and for your safety it is essential that your boat ramp winch is checked over before each use and regularly maintained. The following maintenance guidelines will instruct you on what to look for and how to properly maintain your boat ramp winch.

**DavitMaster strongly recommends having your boat ramp winch inspected by a qualified DavitMaster representative at least once a year.**

- IMPORTANT:**
- For use by adults only.
  - Never!! leave boat ramp winch running while unattended, whether pulling or lowering your boat.
  - Keep hands away from all moving parts.
  - Lifts are not intended for human lift. Remove people and cargo before pulling your boat up the ramp.
  - Never!! ride in your boat while the boat is being pulled or lowered.
  - Never!! load your boat ramp winch beyond its rated capacity.
  - Be sure the area around and under the lifting area is clear before pulling or lowering your boat.
  - Turn OFF the power supply to your boat ramp winch when not in use.

**MAINTENANCE KIT:** DavitMaster offers a complete **MAINTENANCE KIT** for your boat ramp winch which includes: lubricating spray grease; a grease gun and grease; a flexible grease gun hose; cold galvanizing spray and silver spray paint. They come in a small carrying case and can be shipped via UPS.

## MAINTAINING THE ELECTRIC DIRECT-DRIVE WINCH SYSTEM

**NOTE:** The DavitMaster electric winch is built for minimum maintenance and for long life. Following these simple maintenance guidelines will ensure smooth operation and reliable performance.

When the winch is connected to the load for proper direction of rotation and started, it should start quickly, quietly and smoothly. If this is not the case, immediately shut motor off. Investigate the cause. The cause could be low voltage, the motor may be disconnected or the load is too great. If you still have problems with your winch contact the factory toll-free at **1-800-878-5560**.

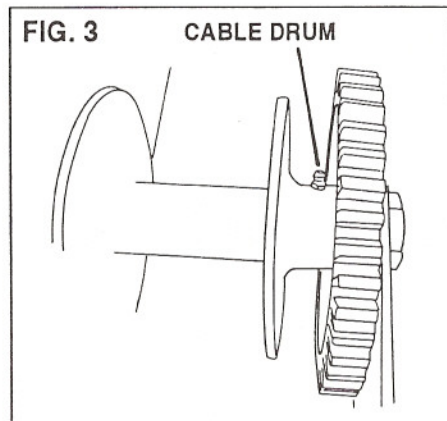
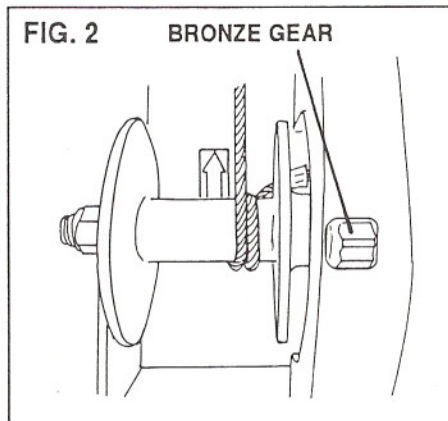
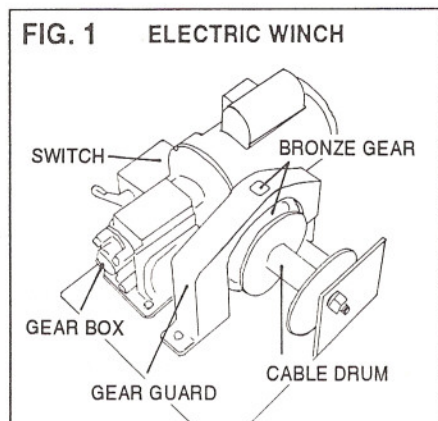
### Lubricating the Winch System

1. **BRONZE GEAR:** (see Figs. 1 and 2) Lubricate the bronze gear every month with one or two pumps of grease with a grease gun. Turn the winch on and apply the grease directly into the opening on the gear guard for the full gear rotation.



2. **CABLE DRUM:** (see Figs. 1 and 3) There is a grease fitting located on the cable drum. Remove the gear guard and lubricate directly into the grease fitting every month with one or two pumps from the grease gun.

3. **GEAR BOX:** The gear box is a pre-sealed unit. It has been properly filled and inspected before the winch is sent out. No maintenance is required and this component is usually problem free. However, should any signs of leakage occur, please contact the factory.



## MAINTAINING THE CABLE

1. **CABLE:** The cable does all of the lifting of the boat and needs to be inspected before use, each time you run the lift. Rinse the cable off with fresh water after each use. A light coat of grease should be on the cable at all times. To apply— spray the grease directly onto the cable as cable spools onto the cable drum. Under normal usage monthly applications with a lubricating spray grease or similar type grease should be adequate. However you must check your cables regularly and apply as needed. **Replace cables immediately if any signs of wear or fraying appears. DavitMaster recommends replacing your cable yearly.**

2. **HOOK:** Inspect the safety latches on the hook each time you use the boat ramp winch to make sure the latch is working properly. If the latch is faulty or corroded replace it with a new one.

3. **MOUNTING BASE:** Using cold galvanizing spray, spray any rust spots that may appear on the mounting base. Then for added protection and to add shine spray the mounting base with silver spray paint.

## WARNING SIGNS: WHEN TO REPLACE YOUR CABLE

Because the cable is responsible for pulling and lowering your boat, it is the most important item to keep in safe working order. **Only periodic replacement will prevent the cable's eventual failure.** Failure to maintain the cable on your boat ramp winch will result in cable failure.

**Replace the cable if any of the following is observed:**

- Frays
- Fish Hooks (individual wire strands)
- Flattening or Kinks
- Corrosion or Rust
- Audible Pinging or Snapping Sounds

**NOTE: IF IT MOVES LUBRICATE IT EVERY MONTH!**

**IMPORTANT: The boat ramp winch must be installed with the motor facing away from the load to be pulled.**