

### T10109-35 Pontoon 35™

Please read and save these instructions. Read carefully before attempting to assemble, install, operate or maintain this anchor winch. Protect yourself and others by observing all safety information. Failure to comply with instructions could result in personal injury and/or property damage! Retain instructions for future reference.

**Unpacking** - When unpacking, inspect carefully for any damage that may have occurred during transit. Make sure the winch is correctly installed before putting unit into service.

**GENERAL SAFETY INFORMATION** - Throughout this manual potential safety hazards will be noted with the following terms. Please read and understand these terms before operating the product.

#### **⚠ DANGER**

Danger means a hazard that **WILL** cause death or serious injury if the warning is ignored.

#### **⚠ WARNING**

Warning means a hazard that **COULD** cause death or serious injury if the warning is ignored.

#### **⚠ CAUTION**

Caution means a hazard that **MAY** cause minor or moderate injury if the warning is ignored. It may also mean hazard that will only cause damage to property.

### SAFETY ISSUES

Read this user manual carefully. Be thoroughly familiar with the controls and the proper use of the equipment. Only persons well acquainted with these rules of safe operation should be allowed to use the winch.

#### **⚠ DANGER**

##### **Rope breakage**

1. Never allow anyone to be positioned between the anchor and the winch. If the rope breaks it could snap back with enough force to cause injury.
2. The winch is shipped with a closed loop anchor roller. If the included anchor roller is ever replaced it must be replaced by a closed loop anchor roller. The closed loop anchor roller will prevent the anchor line from snapping onto the boat deck in the event the rope breaks.
3. Always use an anchor rope with a minimum of 500 pound (226.8 kg) tensile strength for this product. Never substitute cable for rope. Cable is not an acceptable anchor line as it does not stretch and is easily frayed. If cable breaks it can snap back with more force than a rope.
4. This product is intended to lift anchors. Do not attempt to lift or move people or other objects.
5. Inspect entire rope for weak or worn condition or kinking (short tight twist or curl) before each use. Replace worn rope with anchor rope with a minimum 500 lb. (226.8 kg) break strength.

#### **⚠ DANGER**

##### **Electrical shock and fire hazards**

1. Do not use electrical wire sizes smaller than 14 AWG (gauge) with a 105-C temperature rating. Using wire that is too small could result in overloading and a fire. Large gauge wire is permitted.
2. Use the supplied circuit breaker or a 20 amp in-line fuse when installing this winch.
3. Use only suitable wire for electrical connections between the winch and battery.
4. Make sure any crimped electrical connectors meet industry strength requirements.
5. Always disconnect the battery lead wires from the battery before attempting to install, relocate, or service the winch.

## **⚠ DANGER**

### **Cruising and boat trailering hazards**

When the boat is cruising, the anchor must be secured with the safety cable provided. When the boat is being trailered, the anchor must be placed inside the boat or tow vehicle. If the anchor breaks free during cruising or trailering, it could cause serious damage and/or injury.

## **⚠ WARNING**

### **Anchoring hazards**

1. It is a best practice to tie the anchor line off to a cleat (or other secure point) when the boat is anchored. The winch life may be reduced if it is used to hold the load of the boat while anchored. Damage to the winch motor WILL occur if you motor your boat while the anchor is down (dragging the anchor will damage the winch). Tying to a cleat will extend winch life and prevent wear and possible failure.
2. Do not pull a load greater than the rating for the winch. If the circuit breaker halts operation of the winch during retrieval or deployment; the winch may have been overloaded, the supplied circuit breaker will reset after a minute.

## **⚠ WARNING**

### **Entanglement hazards**

1. Never place any object or tool in the rope spool while retrieving or deploying the anchor. The tool or object could become tangled in the rope resulting in serious injury and/or damage to the winch.
2. Do not wear loose fitting clothing, scarves, or neck ties during the operation of the winch. Loose clothing may become caught in moving parts resulting in injury or death.
3. Do not operate the winch under the influence of drugs and/or alcohol.

## **WINCH DESCRIPTION**

This anchor winch retrieves and deploys **river** and **mushroom** anchors using anchor rope. This anchor winch features power-up and power-down operation with a switch that is installed on the winch cover. A second switch (item T10115) can be installed at a remote location such as at the boat's helm.

## **INSTALLATION**

### **TOOLS REQUIRED:**

1. Electric Drill
2. 5/16" (7.9mm) Drill Bit
3. Electrical Terminal Crimping Tool
4. Adjustable Wrench
5. Phillips Screw Driver

### **MATERIALS REQUIRED**

1. Winch and Anchor Roller (included)
2. Seven 8mm bolts, washers and nuts (included) – Longer bolts may be required if your deck is very thick.
3. Shackle for anchor attachment (included)
4. Anchor (not included –up to 30 lbs. (13.6 kg))
5. Battery Wire and Circuit Breaker (included)

### **INSTALLING ANCHOR WINCH ON BOAT DECK**

The anchor winch can be installed on the fore (front) or the aft (rear) of the boat. It is important that the anchor roller line up with the centerline of the rope spool for proper operation. To mount the anchor winch, follow these steps:

1. Locate anchor roller and winch on deck in desired location. The anchor roller must be located at the edge of the deck and must extend over the edge to allow the anchor to clear the deck when it is docked in the anchor roller.
2. Look below the deck and check for any obstructions underneath the desired anchor roller and winch locations. Also make sure there is enough space for the rope spool on the winch to be centered on the anchor roller.

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- Using a marker, mark the anchor roller and winch mounting holes on the deck. NOTE: There are several bolt holes in winch frame to choose from. The easiest to use are the four slots (2 on each end of the frame). There are also holes for the battery lead wires so you can route the wires through the deck if you desire.
- Remove winch and anchor roller. Drill the holes. Bolt to deck. *Use fender washers and/or marine plywood under the deck to ensure the greatest strength and to spread the load.*

## WIRING SELECTION & SPECIFICATION

### **⚠ DANGER**

Do not use wire sizes smaller than 14 AWG with 105 degree C rated insulation. Using wire that is insufficient could result in overloading and a fire. The use of larger diameter wire (small gauge number) is permitted and can improve the flow of electrical current. If the length of wire that was included with the winch was not long enough, consider acquiring the next larger wire size (12 AWG) for your installation. Use the supplied circuit breaker or an in-line 20 amp fuse. Using incorrect circuit breakers may result in a fire.

## WIRING

The wires and switch are all properly connected. You will need to route the battery wires from the winch to battery and connect the RED positive (+) wire to the silver post on the circuit breaker. The small hole on the buss bar (flat stamped metal part with two holes) is attached to the colored post on the circuit breaker and the large hole on the buss bar is attached to the battery positive terminal. The BLACK negative (-) wire is attached to the battery negative terminal.

## SECOND SWITCH

A second switch may be installed at another location such as the boat's helm. If this is desired, purchase TRAC item T10115 Second Switch Kit from the store where the winch was purchased, or buy it directly from TRAC on our website. The Second Switch Kit includes the membrane switch (same as on the winch housing), switch panel, mounting screws, and 24' (7.3m) wire harness with quick-connectors. The wire is routed from the new switch location to the winch and easily connects with quick-connectors.

## WIRELESS REMOTE

As an option, TRAC offers a Wireless Remote for use with this anchor winch. It consists of a wireless remote control (similar to the key-fob remote for a car) and a control unit that is easily installed to the winch frame under the winch cover. Item T10116 Wireless Remote Kit can be purchased from the store where the winch was purchased or directly from TRAC on our website.

## ROPE INSTALLATION

### **⚠ CAUTION**

Anchor rope comes pre-installed from the factory, but if you need to install new rope, insert the rope through the hole located on the inside of the drum (where the rope spools) and tie an overhand knot on the outside of the spool so the knot can be pulled into the countersunk hole on the outside end of the spool. Pull the rope so the knot is tight against the counter sunk hole. Make sure the rope is not tangled and not looped around anything and is free to wrap on the spool. Hold tension of the rope while wearing a glove. Press the UP direction on the switch and hold until the rope is neatly wrapped on the spool. Release the switch button at anytime during the wrapping of the rope on the spool if an unsatisfactory wrap is occurring.

The spool will hold as much as 100' of 1/4" (30.5m x 6.35mm) anchor rope. Use anchor rope with a minimum of 500 pounds (226.8 kg) tensile strength. The rope that is installed on the winch is suitable for this winch.

## ANCHOR ATTACHMENT

Use an anchor up to a maximum weight of 35 lb. (15.9 kg). Do not exceed this weight or anchor winch damage will occur. Use a lighter anchor when possible. River or mushroom anchors are preferred for freshwater applications. Attach the shackle to the anchor shank eye. Tie the rope to the anchor shackle.

### **⚠ CAUTION**

The knot must be securely fastened and tested by the user before anchoring.



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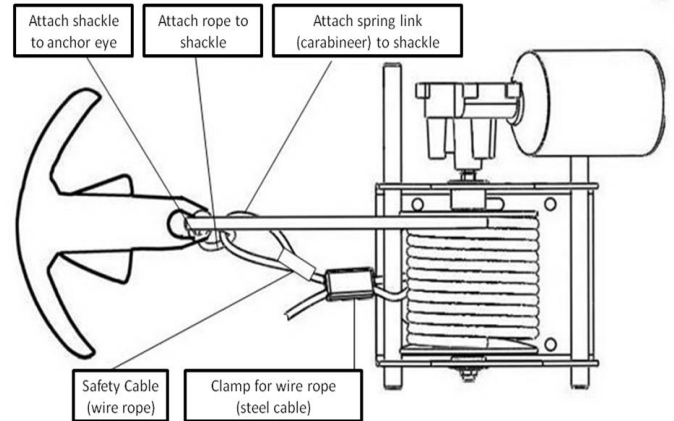
## SAFETY CABLE ATTACHMENT

### **⚠ DANGER**

When the boat is being trailered, the anchor must be placed in the boat and secured. If the anchor breaks free during trailering, it will cause serious damage and/or injury. The safety cable is only designed to hold the anchor in place when the boat is underway in the water.

Follow the procedures outlined below to attach a safety cable.

1. After the winch is installed and the anchor attached to the rope, power the winch UP until the anchor is in the docked position (in the anchor roller/davit).
2. Attach the safety cable snap ring hook on the anchor shackle.
3. Loosen the safety cable clamp and adjust the cable so the slack is removed, but so the snap ring hook can still be removed from the shackle. The cable will need some slack to be able to unhook the snap ring hook. Tighten cable clamp.
4. The excess cable may be cut and removed. You may want to leave a few inches of extra cable for later adjustment.



## ANCHOR WINCH OPERATION

The anchor winch is simple to operate. To lower the anchor press and hold the button with the arrow which points DOWN. Release the button when you wish to stop letting rope out. To raise the anchor, press and hold the button with the arrow that points UP. Release the button when the anchor is docked or when you wish to stop the retrieval of the anchor.

Helpful hints:

1. When the anchor seems to reach the lake or river bottom, release the switch and allow the boat to take up the rope slack, then slowly release a small amount of rope at a time until the boat is holding its position. If too much rope is let out too quickly, the rope could tangle in the winch housing.
2. If you are in 20 feet (6.1m) of water, you may need to let-out 60 feet (18.3m) or more of rope to hold in wind or current. The ratio of rope length to depth is called scope and a scope of 5 to 1 is common in wind or current. The more scope, or anchor line out, the better the anchor will hold.
3. Using more scope (more line out) is better than using a heavier anchor.

Maintenance: Salt Water Rinsing

To minimize common corrosion from salt water, it is a best practice to rinse off the winch after each use with fresh water. Simply point a hose inside the rope opening, over the cover and around the surrounding boat deck to wash away any salt water residue.

### **⚠ CAUTION**

Always raise the anchor before moving the boat. **Do NOT** try to drag the anchor with the boat's power. This will cause product damage or injury. **Do NOT** use the anchor winch to pull the boat to the anchor position. Motor the boat toward the anchor when retrieving the anchor rope.



### TRAC Anchor Winch Limited Warranty

This limited warranty is provided by TRAC Outdoor Products Co (TRAC) to the original consumer purchaser (purchaser) of the TRAC Anchor Winch. This limited warranty is not transferable to any other party. TRAC will at its option repair or replace any part(s) of the TRAC Anchor Winch which may be found by TRAC to be defective within two (2) years of purchase. TRAC will pay the shipping charge to the purchaser for any part(s) which may be shipped by TRAC. For warranty repair or replacement, the purchaser must provide dated proof of purchase and notify TRAC of the request for warranty service. TRAC will attempt to provide parts needed to repair the winch. If the winch is to be returned, purchaser will be provided a Return Goods Authorization (RGA) to include with any return for warranty service which will be shipped at the purchaser's expense to the address provided. The purchaser must use reasonable care in maintenance and operation of the product in accordance with this manual. Failure to follow the instructions in the manual will void the warranty. This warranty covers defects in material or workmanship of the TRAC Anchor Winch. This warranty does not cover failure that results from misuse, improper installation, accident, abuse, neglect, modification, or improper maintenance. There is no other express warranty. Implied warranties, including those of merchantability and fitness for a particular purpose, are limited to two (2) years from the date of purchase. Any damage to watercraft resulting from proper or improper use of this TRAC Anchor Winch is not covered under this warranty. Costs of installation or repair by service centers or marine repair facilities are not covered by this warranty. This is the exclusive remedy and any liability for any and all incidental or consequential damages or expenses whatsoever is excluded. Some states do not allow limitations on how long an implied warranty lasts, or do not allow exclusion or limitation of incidental or consequential damages, the above limitations may not apply to you. This limited warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

### ANCHOR WINCH PARTS

If ordering a part, provide the product model as well as the part number.

PARTS LIST	DESCRIPTION	PART#	QTY
1	Winch Cover	P10109-1	1
2	Switch Assembly	P10109-2	1
3	Relays	P10109-3	2
4	Relay Bars	P10109-4	2
5	Relay Assembly	P10109-5	1
6	Rope Spool	P10109-6	1
7	Winch frame	P10109-7	1
8	Frame support rod w/2 screws and washers	P10109-8	1
9	Cover Screw Stand (SHORT) w/hardware	P10109-9	2
10	Cover Screw Stand (LONG) w/hardware	P10109-10	2
11	Actuator Block	P10109-11	1
12	Actuator Block Retention Plug	P10109-12	1
13	Rope 0.20" (5mm) dia. x 100 ft.	P10109-13	1
14	Gear Motor Assembly	P10109-14	1
15	Gear and Shaft Assembly with Bearing	P10109-15	1
16	Gear Motor Bracket	P10109-16	1
17	C-Clip (not shown)	P10109-17	1
18	C-Clip Washer (not shown)	P10109-18	1
19	Davit Assembly (complete)	P10109-19	1
20	Safety Cable with Snap Hook	P10109-20	1
21	Support Plate for Relay	P10109-21	1
22	Anchor Shackle	P10109-22	1
23	Circuit Breaker	P10109-23	1
24	Gasket	P10109-24	1
25	Cover and Screws for Motor	P10109-25	1
26	Hardware Pack (not shown)	P10109-26	1
27	Battery Wire (not shown)	P10109-27	1

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