

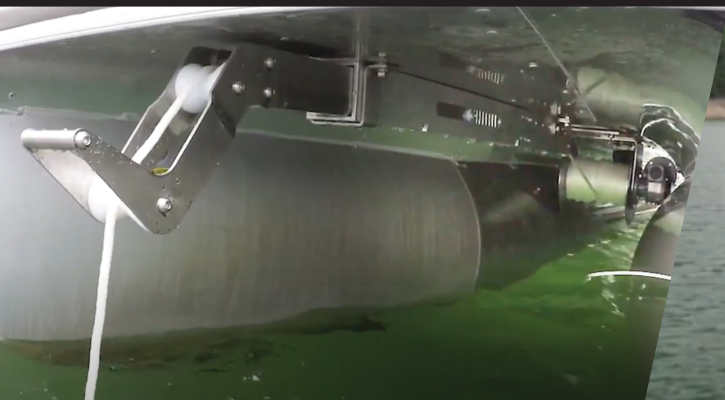


**E-Z ANCHOR PULLER MFG. CO.**  
America's Anchor Winch Since 1990

**30 YEARS**  
ANNIVERSARY

# Retractable Pontoon & Tritoon Anchoring Solution

EZ-0603



## Kit Includes:

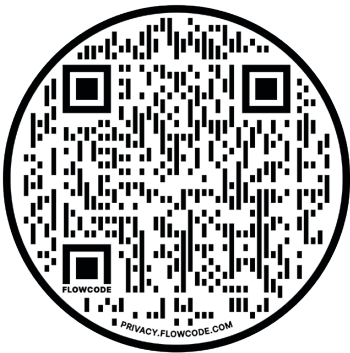
- Raceway
- Bow roller
- String rode guide
- Universal Underside Mounting Plate
- Mounting Bracket & Hardware Package

# Pontoon Anchoring Solution Guide Index:

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## Drum Anchor Winch Resources

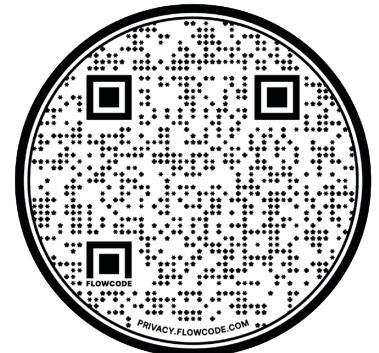
Scan the QR Codes Below to go Directly to the Website



**[Hero EX-1, EX-2, EX-3  
and Patriot EZ-1  
Printable Drawings:](#)**  
-drum winch dimensions



**[Hero, Patriot & Rebel  
Manual Download:](#)**  
-drum winch warranty information  
-rope and chain spooling capacities  
-series summaries



**[Pontoon Anchoring  
Solution Page:](#)**  
-view all compatible winches  
and accessories here

Manufacturer Information in Footer:  
Email questions to [contactus@ezanchorpuller.com](mailto:contactus@ezanchorpuller.com)

# Retractable Pontoon/Tritoon Anchoring Solution

Thank you for your interest in E-Z Anchor Puller and our Retractable Pontoon / Tritoon Anchoring Solution. These systems were developed for pontoon and tritoon owners that want a better anchoring experience that is conveniently hidden below deck and supported by the structural integrity of their boat.

This manual is intended as a reference guide to your boat's custom installation, offering guidance as to how the systems should be installed. After reviewing this manual, if there are any questions or concerns please contact customer support at **1.800.800.1640**.



As a reminder, this manual is intended solely for the E-Z Anchor Puller Mfg. Co. **Pontoon Anchoring Solutions** for complete instructions on how to mount your purchased drum anchor winch, please follow instructions provided in the [Hero, Patriot & Rebel Installation Manual](#) included with your drum anchor winch purchase. Scan the QR code on page 1 to download this manual.

## Included Hardware and Parts in the Pontoon Anchoring Solutions

The hardware included in your pontoon anchoring solution should be packaged in a clear plastic bag:

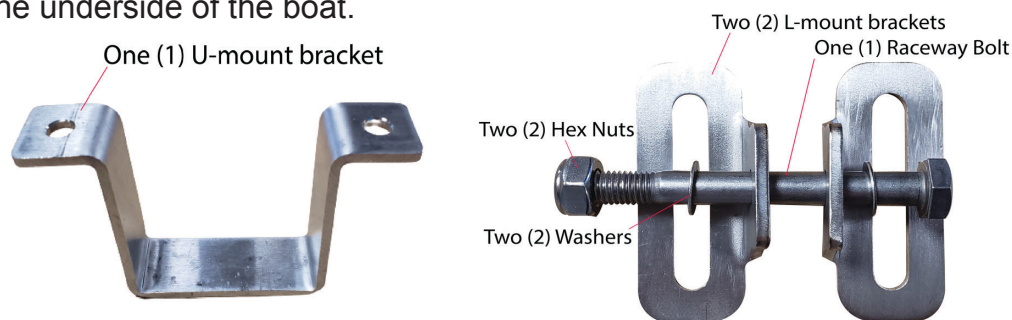
- (8) each x 18-8 Stainless Steel Hex Head Screw, 3/8"-16 Thread Size, 1-1/4" Long
- (8) each x 18-8 Stainless Steel Nylon-Insert Locknut, 3/8"-16 Thread Size
- (18) each x 18-8 Stainless Steel Washer for 3/8" Screw Size

Before using the stainless steel nuts and bolts be sure to apply an anti-seize lubricant to prevent the nylon lock nut from galling or seizing on the bolt as it is tightened. Be sure to remove the front through bolt from the raceway to allow the inner raceway to extend and retract in the outer raceway.

**\*Warning! Please use extreme caution before removing the through bolt as the inner spring is fully collapsed and under tension.\***

**\*With a second person, hold both ends of the raceway and roller so you can slowly let the inner spring extend before installation.\***

The Retractable Tritoon Anchoring Solution kits consist of the following components: raceway, U-bracket raceway mount, L-bracket mounts and bolt, bow roller, string rode guide and Universal Mounting Plate. The anchoring solution contains a raceway that mounts to the underside of the cross-members of the pontoon/tritoon. The Retractable system has an internal compression spring that allows the bow roller and anchor to be hidden under the deck of the boat when anchor and anchor rode are fully retrieved. This raceway has several pre-drilled holes to correctly locate the included mounting tabs and U-shaped mounting bracket to the underside of the boat.





Anchoring / Rode Warnings

- During retrieval or deployment, NEVER place any obstruction or tool in or near the rope spool.
- Do NOT pull a load greater than what is rated for the anchor winch or pontoon solution.
- Ensure the anchor rode is properly spooled on the winch & properly threaded through the solution before using.

Which Winch Can I Pair with the Pontoon Anchoring Solution?

The E-Z Anchor Puller Pontoon Anchoring Solutions are patent-pending systems created solely for the E-Z Anchor Puller Hero EX-1, Hero EX-2, Hero EX-3 or Patriot EZ-1 drum anchor winch, and was manufactured with the intention of being its own separate device to be purchased in addition to an E-Z Anchor Puller drum anchor winch. E-Z Anchor Puller’s patent-pending pontoon anchoring solution does not include the anchor, rode or the drum anchor winch. Use your phone to scan the QR codes in the previous section for more information.

Your drum anchor winch hardware includes:

- Rocker switch
  - Solenoid
  - Circuit breaker
  - Mounting hardware
  - Backing plate - (NOT used with the pontoon anchoring solution)
- \*NOTICE - if your drum anchor winch purchase includes a guide roller, DO NOT use this spare part with the pontoon anchoring solution\*

What’s the Best Anchor for the Pontoon/Tritoon Solution?

Select a river or mushroom-style anchor that settles into soft surfaces and sustains it’s holding power by sinking into the soft-bottom sediments of the body of water you’re boating in. These anchor shapes “suction” themselves into the silt and mud, making it difficult for the anchor to break loose. The River and/or Mushroom-Style anchor is made in the shape of an upside-down mushroom with a lip around the mushroom cap.

This system and it’s installation is designed & rated for the following styles of anchors up to 30 pounds:



River Anchor      Mushroom Anchor

You should NEVER depend on a mushroom anchor to hold a boat in rough water or rough weather!

What’s the Best Rope/Chain Configuration for the Pontoon/Tritoon Solution?

While anchoring needs across the United States may be vastly different, E-Z Anchor Puller Mfg. Co. recommends no more than 3X the length of anchor rode to the depth of the body of water customers are pontooning in. Also, the E-Z Anchor Puller Retractable Solution works best with ¼” chain.

See the Hero and Patriot rope and chain chart below to reference rope and chain capacities:

Series	Model #	Suggested Boat Length													
		18’ - 21’		21’ - 24’		24’ - 27’			27’ - 35’			35’ - 45’		45’ - 55’	
		1/4” Line	1/4” Chain	5/16” Line	1/4” Chain	3/8” Line	1/4” Chain	5/16” Chain	1/2” line	1/4” Chain	5/16” Chain	5/8” Line	5/16” Chain	3/4” Line	3/8” Chain
HERO	EX-1	250’	10’	175’	10’	125’	10’								
HERO	EX-2	375’	10’	225’	10’	175’	10’		125’	10’					
HERO	EX-3	550’	10’	350’	10’	250’	10’		150’	10’					
PATRIOT	EZ-1	375’	10’	225’	10’	175’	10’		125’	10’					



## Tips for Rope Spooling on your new Solution

When pontooning in calm, freshwater lakes that are protected from high winds, the chain is typically not used in the rope configuration, however, when boating in moving bodies of water and high-wind areas, attach a ¼" chain to your rope configuration. Typical rope configurations for the pontoon anchoring solution can range from ¼" to ¾" nylon!

Position the drum anchor winch carefully checking rope path before mounting to your cross-members. Naturally, rope does not want to lay on top of itself: it wants to lay in between each "ring", and the further back the installation is from the roller the more even your lay will be with each use. When you first receive your drum winch, spool the rope on wet and take your time to ensure it is even. E-Z Anchor Puller drums are specifically engineered to the width and height optimal for the most even lay, all the time! The separately-purchased drum anchor winch should be mounted onto the Universal Mounting Plate and installed between 6-to-24 inches away from the Retractable's square tube raceway. When operating in shallow water, avoid overloading spool / drum with rope and chain.

### Retractable Tritoon / Pontoon Anchoring Solution Disclaimer

The Retractable Anchoring Solution is designed around the structural limitations of the deck or cross-members of the pontoon / tritoon. Therefore a claw, danforth or plow-style anchor are not recommended as they do not easily break away when retrieving the anchor from lake or river beds.

**Although the lifting force of the winch is great, applying more force / torque than needed to lift an easily dislodged anchor, such as a river or mushroom anchor, is not recommended.**

**Do not use the drum anchor winch as a solution to get "unstuck" if the anchor is caught in submerged debris. Tie the rope off to a cleat and use your boat to break the anchor free before pulling in your rope and chain.**

### Threading the Anchor Rode Through the Aluminum Tube Raceway

There are two ways to thread your anchor rope through the pontoon anchoring solution. Every retractable anchoring solution will have a thread "guide string" that travels through the hollow tube raceway from the rear/drum winch side to the head of the solution's bow roller.

#### First method: (Winch Mounted Empty)

The drum anchor winch and the aluminum tube raceway is already mounted, without rope. Tie the anchor rope onto the guide string on the bow roller end of the solution to feed the anchor rope through the aluminum tube raceway toward the winch. Dispose of the rope guide once the rope is fed through the tube, and loop the rope through the hole in the shaft of your spool. While one person keeps tension on the rope in front of the bow roller, another individual holds the rocker switch "up" button while the winch works to retract and spool the rope onto the drum. It is best practice to spool on the nylon wet to ensure a tight, even lay.

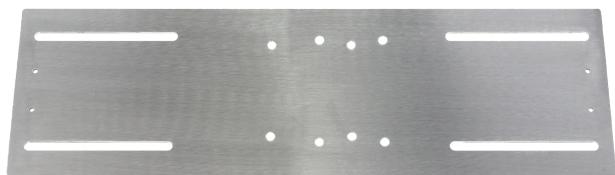
#### Second method: (Winch Mounted Spooled)

If your drum winch is already spooled, detach your anchor so your winch only has rope. Then, tie the end of your anchor rope to the guide string that runs through the aluminum raceway. While one individual holds tension on the rope, the other will press and hold the "down" button on the rocker switch to feed rope through the anchoring solution to the front of the bow roller. Once rope is fed through, dispose of the guide string and reattach your anchor to complete your configuration.

## The Universal Underside Deck Mounting Plate

The Universal Mounting Plate (pictured below) mounts the drum anchor winch onto the cross-members and is included with every kit. The four mounting slots are on each corner of the Universal Mounting Plate, designed to be used in conjunction with either the Hero EX-1, Hero EX-2, Hero EX-3 or Patriot EZ-1 unit. **Please note that you will not use the backing plate included in your drum anchor winch purchase.**

For any unit, be sure to calculate where you will drill into the aluminum C-Channel cross-members of your pontoon before placing the Universal Mounting Plate via the adjustable mounting slots. These adjustable slots on each corner are designed for cross-members between 16 to 26 inches, ensuring that any brand pontoon/tritoon can be equipped with the Retractable Anchoring Solution.



In addition to the four adjustable slots, you will see four (4) holes that are drilled towards the middle of the plate. If you own a Hero EX-1 unit, attach the drum anchor winch to the Universal Mounting Plate using the four (4) smaller holes only. All other drum anchor winch units will be attached to the plate using the four (4) larger holes. Additional holes measuring ¼"-20 are drilled into the plate for the optional add-on wifi wireless camera that would be focused on the drum anchor winch if purchased. These four holes are located on either side of the cross-channel connection slots. See page 9 for more details.

### For Pontoons with Aluminum Underskin

If the pontoon/tritoon that is being equipped with one of the anchoring solutions has flat, aluminum underskin in addition to aluminum cross-members, E-Z Anchor Puller recommends taking these tools and steps to securely and efficiently install the chosen solution:

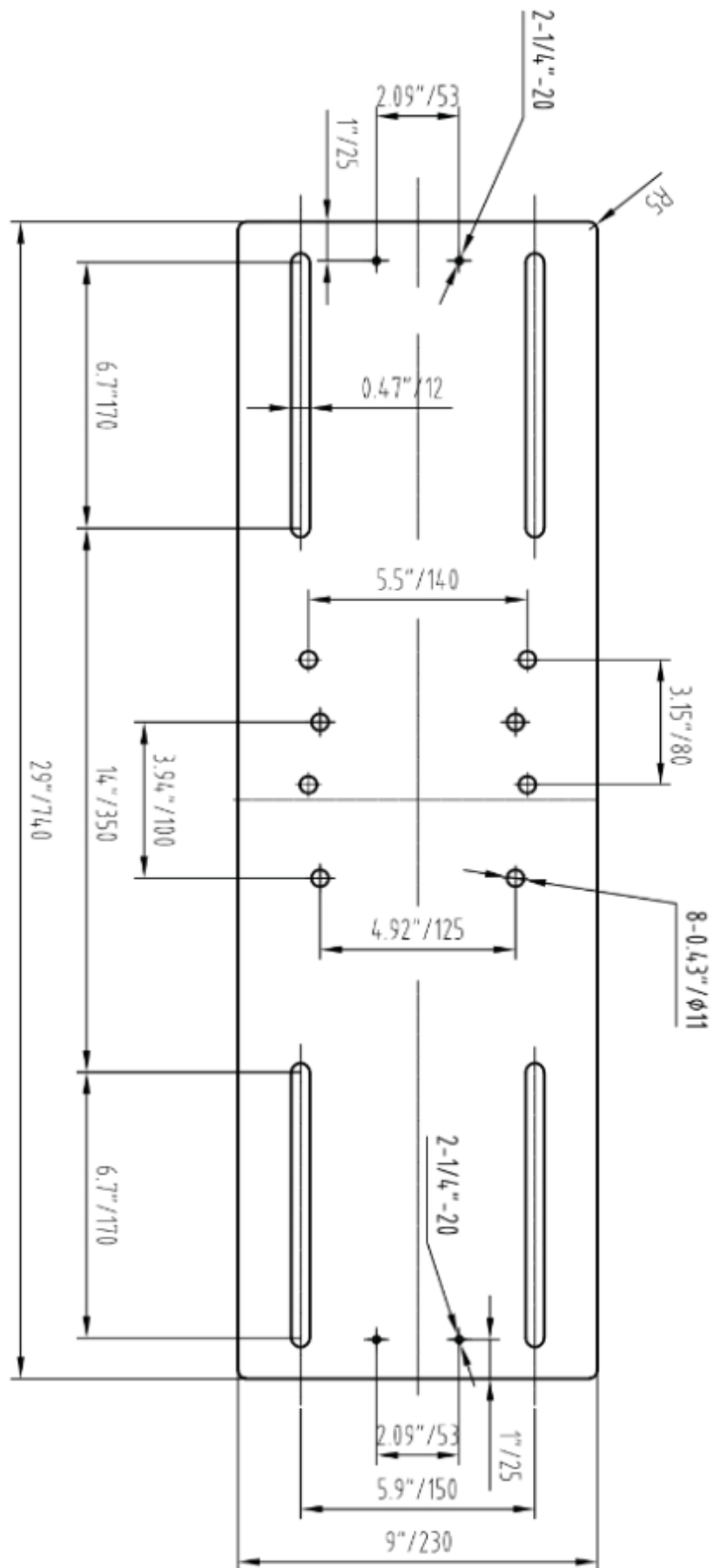
- Rivet Nut/ Plus nut Hardware
- Measuring Tape
- Pen or Marker
- Hole Saw
- Anti-Seize



Be aware of the location that you wish to install the winch and carefully measure and mark where you plan to drill into the underskin to mount the plate and anchor winch. Be aware that some pontoon skins are thicker than others and because body styles are different, there could be bends in the skin when measuring for winch and raceway placement. Center the winch as evenly as possible between the tubes of the pontoon/tritoon so it is free of obstructions while in operation. Use a hole saw to drill holes large enough -but also snug enough- to hold the plus nuts where applicable. Always use anti-seize lubricant on bolts, pre-threading.

Attach the mounting plate to the aluminum cross-members of your pontoon with the included hardware.

# Universal Underside Deck Mounting Plate Diagram





## Mounting your E-Z Anchor Puller Winch to your Pontoon/Tritoon

The separately-purchased drum anchor winch should be mounted onto the Universal Mounting Plate and installed between 6-to-24 inches away from the Retractable's square tube raceway. The Universal Mounting Plate, which can be applicable to any one of three drum anchor winch sizes, is included in the purchased Retractable Solution.

The bolts needed to mount the drum anchor winch onto the universal mounting plate provided for the drum anchor winch are included in your anchor winch purchase, not in your pontoon/tritoon anchoring solution kit.

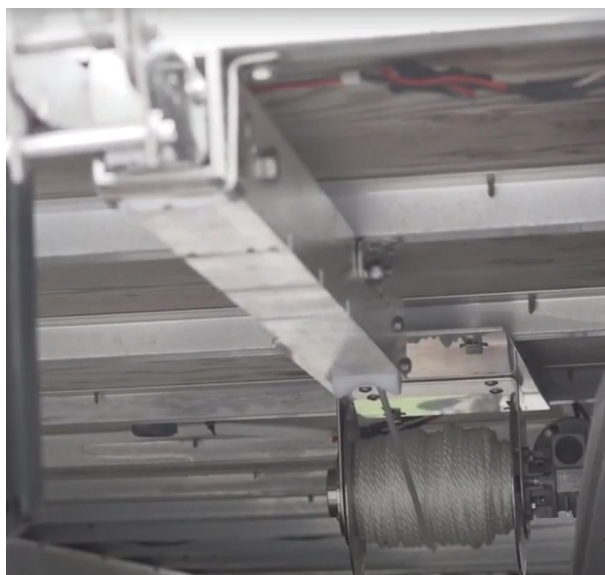
The next section further explains how to correctly mount the Universal Mounting Plate in regards to winch size and the boat's build. Refer to the instructions below regarding additional tips to mount your winch in addition to your Hero, Patriot or Rebel Manual.

The bolts for your Hero or Patriot drum anchor winch are included with the anchor winch, not in the pontoon/tritoon anchoring solution kit.

Locate the drum anchor winch in a suitable position so there is no interference from other ropes or objects attached to the pontoon. Ensure that the rope has a clear, direct lead to the winch and that there is sufficient room to run the electrical cables to the winch underneath the deck. Keep in mind that:

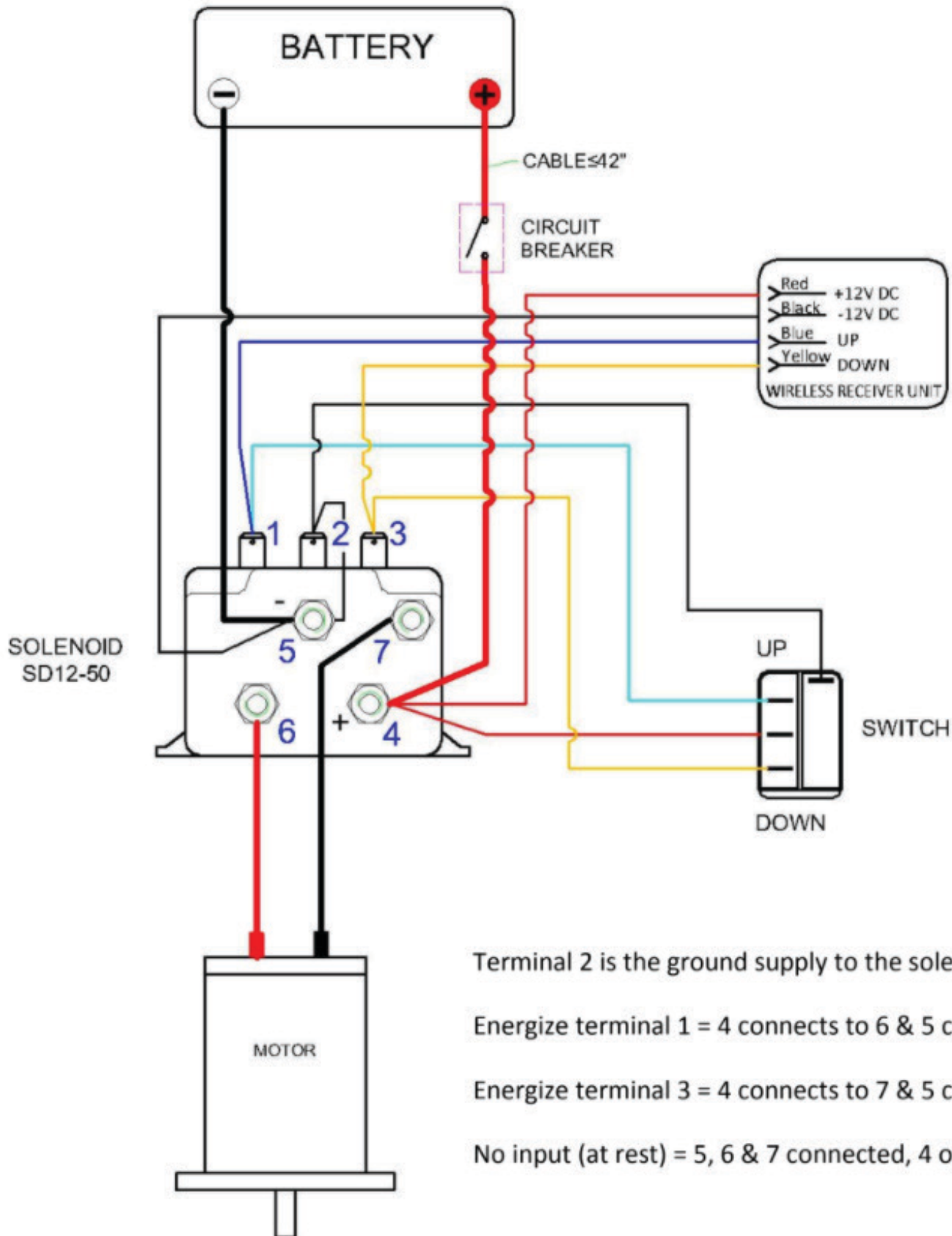
1. Both exposed wires\* from the E-Z Anchor Puller motor must be connected via joiners/solder and then heat shrunk, including internal silicon to wires (thicker wire, see bottom of page for wiring size) to eliminate any corrosion or water entering wires when attaching power cables to other attachments.
2. The drum must be in-line and centered to the guide roller on the raceway to ensure an even spread of the rope and chain to the drum.
3. The gearbox flange to mounting bracket can rotate in two different mounting positions for your motor and gearbox components: forward or backward facing. This will allow you to position the motor gearbox at the most convenient configuration required.

\*for wiring help, see page 8\*



The solution is mounted below-deck on the aluminum cross-members of the pontoon/tritoon or drilled into the "underskin" of the boat securely fastening it. Tips on installing the Retractable underskin on pg 5

## Wiring Diagram for Hero EX-1/ EX-2 / EX-3 & Patriot EZ-1



## Retractable Pontoon / Tritoon Anchoring Solution Raceway & Bow Roller Installation

**\*Warning! Please use extreme caution before removing the through bolt as the inner spring is fully collapsed and under tension.\***

**\*With a second person, hold both ends of the raceway and roller so you can slowly let the inner spring extend before installation.\***

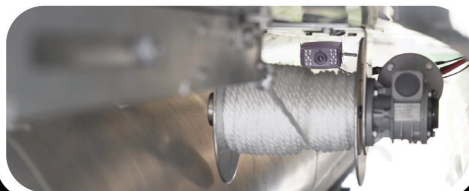
The Retractable Style should be installed so the raceway is 10-12 inches in from the front of the boat so that, when fully retracted, it is under the deck out of sight as shown in the figure below. In this solution, we've provided three (3) mounting brackets: the front U-shaped bracket, which secures the square, hollow raceway to the vessel's cross-member with a **3/8" x 1-1/4" SS Hex Bolt and 3/8" SS Lock Nut**, and the two (2) rear slidable L-mounting brackets with a connecting bolt. You will notice there are four (4) holes towards the rear/drum winch-end of the hollow raceway. This is to ensure that you can mount your aluminum raceway to the cross-members, no matter the make and model of your vessel. Choose where to attach your L-mount brackets, using **3/8" x 1-1/4" SS Hex Bolt and 3/8" SS Lock Nut**, then flip them towards the vessel's cross-member and drill the bolts in.

### Optional Collection-Compatible Accessories

#### WI-FI WATERPROOF CAMERA

EZ-0413

With our waterproof wifi camera kit, you can watch your winch work from your smartphone. Have a clear view of deployment and retrieval, regardless of where it is installed on your boat.



#### WIRELESS REMOTE CONTROL

EZ-0411

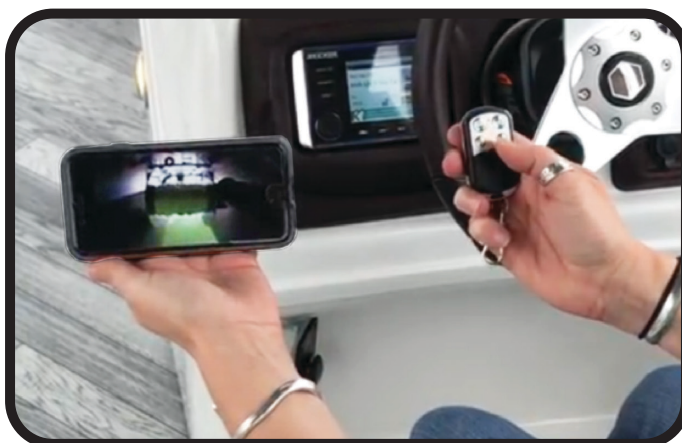
Long-Range signal allows you to control the winch from anywhere on the boat. Available for 12-volt and 24-volt drum anchor winches.



#### ELECTRONIC FAST FALL SYSTEM

EZ-0404

This clutch-free system doubles your anchor drop speeds. It can be retrofitted at any time and turned on or off according to your in-the-moment needs.





# 1-YEAR ACCESSORY WARRANTY INFORMATION

\*\*The agreement entered when you make an E-Z Anchor Puller purchase is subject to the following conditions limitations:

- **1-year warranty** for any accessory on **recreational** or **commercial** vessel
  - warranty agreements include replacement of faulty part(s) materials and/or workmanship
  - The Product(s) sold must be free from defects in the materials, workmanship and packaging
  - If you suspect the product(s) of being defective in workmanship or materials upon purchase, stop using the product(s) & contact E-Z Anchor Puller at **1.800.800.1640** to report the defect within 7 days of inspection.

Purchaser understands that they are responsible for any/all charges associated with removal, returning the faulty goods to E-Z Anchor Puller for warranty claim and re-installation;

- Any damage sustained to any vessel, property or equipment or persons due to the installation or use of a E-Z Anchor Puller product, as far as is permitted by consumer law, is excluded from this warranty;
- No representative or agent of E-Z Anchor Puller has the authority to make any decisions or agreements regarding warranty with you without the prior agreement with E-Z Anchor Puller Mfg. Co., LLC. directly.

This warranty shall be limited or null and void if any of the following occur:

- The improper installation of a E-Z Anchor Puller product, including not adhering to the installation guidelines contained within this manual;
- The improper and irregular maintenance, repair or service of your E-Z Anchor Puller product;
- The improper use or incorrect application of your E-Z Anchor Puller product;
- Improper modification(s) made to the E-Z Anchor Puller product; The warranty does not cover any loss, damage, harm or claim associated with or as a result of an accident or natural disaster.
- If you are unsure about anything contained in this document please contact E-Z Anchor Puller for clarification at **1.800.800.1640**.

**\*\*The warranty period begins on the date the invoice is generated and the written agreement is received. The warranty CANNOT be honored if the appropriate documentation has not been provided or if it is incomplete.**



**E-Z ANCHOR PULLER MFG. CO.**  
**America's Anchor Winch Since 1990**



Complete this form within 90 days of purchase & post to:

**Toll-Free Fax: 855.855.1540** or [support@ezanchorpuller.com](mailto:support@ezanchorpuller.com)

**Purchaser Info:**

Company: \_\_\_\_\_ Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Email Address: \_\_\_\_\_

Cell Phone #: \_\_\_\_\_

**Supplier / Installer Info:**

Company: \_\_\_\_\_ Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Email Address: \_\_\_\_\_

Cell Phone #: \_\_\_\_\_

Boat Manufacturer: \_\_\_\_\_ Boat Model & Length: \_\_\_\_\_

Gauge of Battery Wire: \_\_\_\_\_ Distance from Battery: \_\_\_\_\_

Date Received: \_\_\_\_\_ Date Installed: \_\_\_\_\_

**You must include a copy of the invoice / receipt for the retractable solution or the boat if the product came installed from a dealer. Failure to register the product will void the warranty!**

Winch Motor Model #: \_\_\_\_\_

Winch Motor Serial #: \_\_\_\_\_