

ANCHOR TROLLEY KIT

INSTALLATION INSTRUCTIONS

CONTENTS OF KIT:

- | | |
|--|--|
| (40 ft) 1/4" Black Reflective Static Cord | (1) Zig Zag Cleat |
| (4) Pad-Eyes | (4) Well-Nuts |
| (6) 10-32 x 7/8" Phillips Flathead Screws (self-tapping) | (4) 10-32 x 1-1/4" Phillips, Pan-Head Screws |
| (2) Pulleys | (2') 1/4" Black Bungee Cord |
| (1) Pole Setting Ring | |



REQUIRED TOOLS AND ADDITIONAL MATERIALS (NOT INCLUDED):

- | | |
|---|---|
| <ul style="list-style-type: none"> • Lighter/matches • Phillips Head Screwdriver • Drill with 1/8" and 3/8" bits | <ul style="list-style-type: none"> • Tape • Marker • Scissors or Knife |
|---|---|

The Perception Anchor Trolley System is designed to provide maximum versatility and efficiency on boats up to 16' in length. Installation does require the drilling of a number of holes in your boat, so **proceed carefully and be sure of locations and access before drilling.**

The Anchor Trolley System utilizes two pulleys that mount flush to the hull, eliminating fish spooking slap and slack. It also incorporates a 2" diameter ring to allow the use of a setting pole in shallow, sandy bottoms as well as a Zig-Zag cleat that allows you to lock the cord in position.

A folding anchor of at least 3lbs. is recommended and has been found to provide sufficient holding power to anchor kayaks. Perception offers a 3 - pound anchor kit with 30 feet of line that can be purchased at any registered dealer or online.

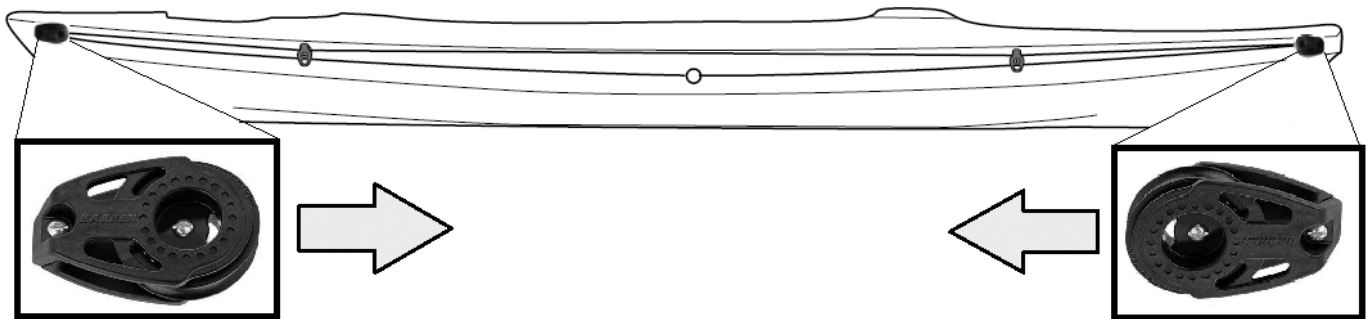
STEP 1: TEST LAYOUT

Before installing the Anchor Trolley System, it may be helpful to tape one end of the static cord to the hull on the chosen location of the first attachment point (pulley) and run it all the way down to the chosen location of the second attachment point: (making a "test" lay-out will ensure the trolley line does not conflict with pre-existing outfitting such as grab handles, deck rigging and/or other obstructions).

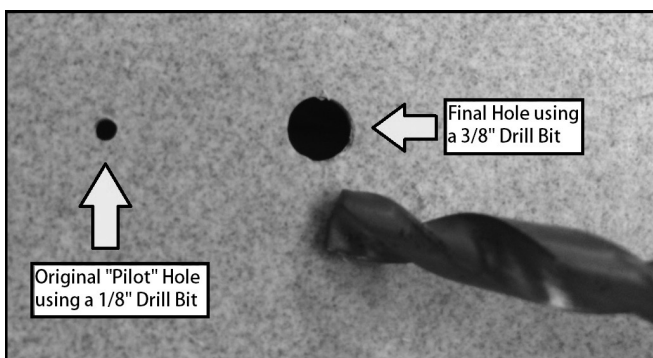
STEP 2: MOUNT PULLEYS

Mounting the pulleys into position first will allow you to control and adjust the path of the trolley cord by using the deck loops/guides to avoid obstructions and ensure smooth operation. The standard location for the pulleys will be above the WATER LINE of the kayak, approximately one foot from the bow and one foot from the stern. This will enable the "pole-setting ring" to travel the entire length of the boat.

NOTE: The pulleys should be mounted with the wheels facing in towards the opposite end of the boat as indicated by the image below.

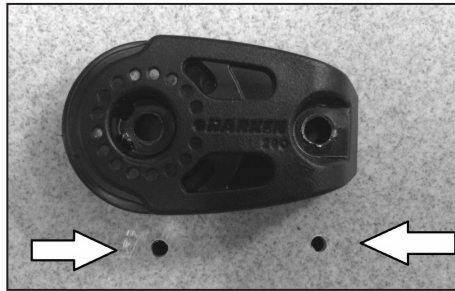


- A. First, hold pulley in desired location and mark each mounting hole.
- B. Next, remove pulley and use a 3/8" drill bit to drill each mounting hole.

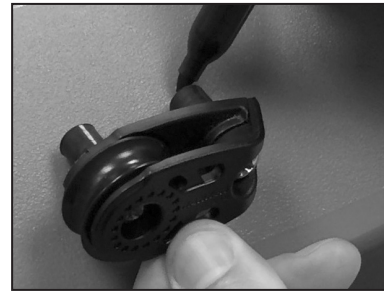


NOTE: The mounting holes for the pulleys are small and can be difficult to mark. It's acceptable to use a smaller drill bit, such as a 1/8 inch, to drill pilot holes while still holding the pulley in place. Be careful not to damage the pulley while drilling. Once the pilot holes have been drilled, remove the pulley and then use the 3/8" bit to make the final mounting holes.

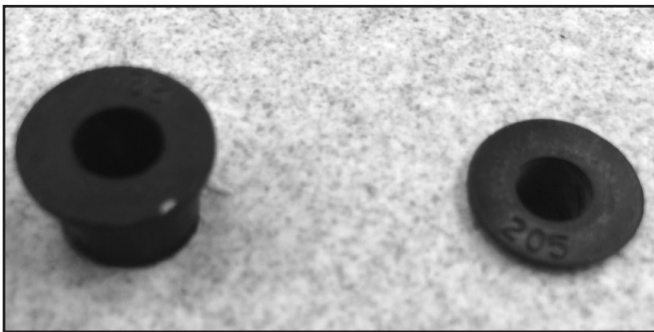
STEP 2: MOUNT PULLEYS (CONT.)



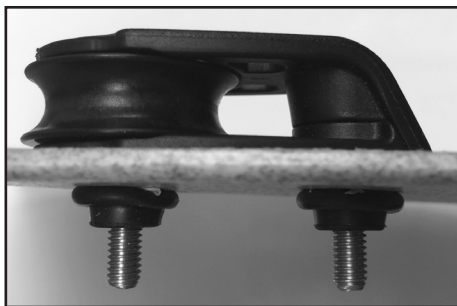
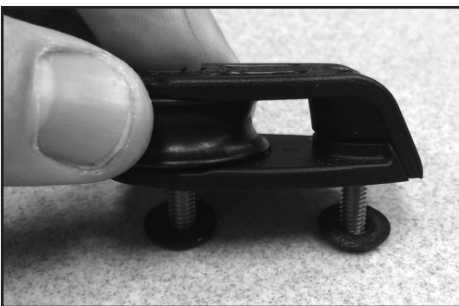
OR



- C. Then, insert a single well-nut into each mounting hole. Insert the small end first so that the rim of the “top hat” on the other end prevents the well-nut from going all the way through.



- D. Finally, insert two 10-32 x 1-1/4” screws into each pulley and thread them into the well-nuts. The well-nuts will mushroom out on the inside of the hull as the screws are tightened creating a firm hold and a water-tight seal.

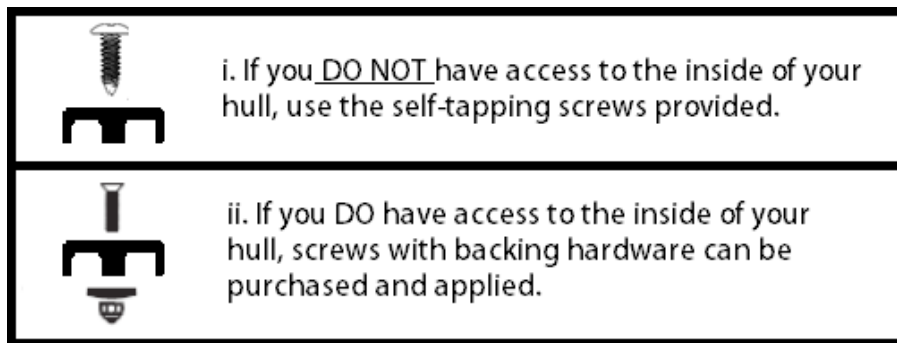


DO NOT apply any form of silicone caulk to the well-nuts during this process. The well nuts are designed to mushroom out as they compress to create a water-tight seal. The use of sealants is not necessary and could actually prevent the well-nuts from sealing properly in which case leaking could occur.

STEP 3: MOUNT PAD EYES

The pad eyes function as guides for the top cord and hold it in place to prevent it from slipping out of position when under tension.

IMPORTANT: Self-tapping screws are provided for mounting the pad eyes and are ideal when access to the inside of the hull is limited or non-existent (*common with many "sit-on-top" models*). Screws with backing hardware (*i.e. locking nuts & stainless washers w/ rubber backings*) can be purchased and applied when the inside of the hull is easily accessible, such as with most "*sit-inside*" models. Rivets are also acceptable. Self-tapping screws work well but leave sharp, pointed ends exposed on the inside of the kayak. When installing the trolley system on a sit-inside kayak, the backing hardware option should be used to prevent injury.



- A. Position pad eyes above the "WATER LINE" of the kayak so that they run perpendicular to the keel line, then, mark the mounting holes with a pen or permanent marker.
- B. Drill a 1/8" pilot hole at each mark and secure each pad eye to hull using the 10-32 x 7/8" self-tapping screws provided (remove pad eye when drilling the pilot holes to avoid damage).

TIP: A silicone based sealant **CAN** be applied to the holes just before attaching the pad eyes to prevent leaking.

STEP 4: INSTALL TROLLEY LINE

The pad eyes function as guides for the top cord and hold it in place to prevent it from slipping out of position when under tension.

- A. Thread one end of the static line up through the bottom of one of the pulleys (bow or stern).
- B. Next, run cord down the boat and through the top of the opposite pulley, threading it through the top half of each pad-eye along the way.

STEP 4: INSTALL TROLLEY LINE (CONT.)

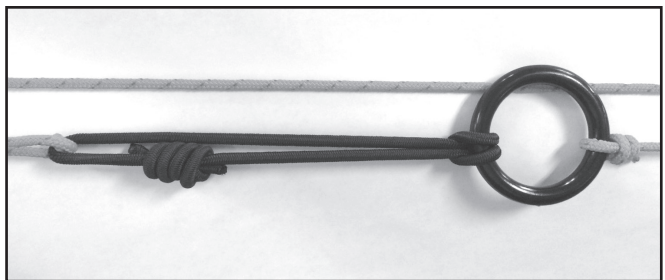
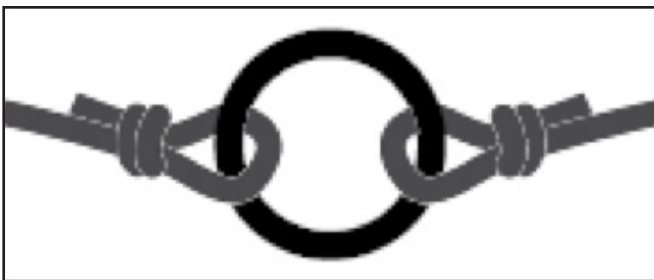
- C. Then, pull both cord ends to remove the slack so that both ends are positioned around the center of the boat. This should position the Pole Ring on the bottom line of the trolley system once attached



STEP 5: ATTACH POLE RINGS

The two loose/open cord ends should now be tied to the Pole Setting Ring to complete the trolley system (*"Barrel"* or *"Palomar"* knots are recommended).

- First, tie one of the loose cord ends directly to Pole Ring.
- Next, insert remaining loose cord end through ring and pull cord until desired amount of slack has been removed.
- Once cord length for optimal system tension has been determined, cut excess cord, leaving enough extra for later adjustments just in case.
- Finally, trim off excess cord and singe ends with lighter or matches to prevent fraying.



NOTE: The trolley line can stretch over time and may need to be adjusted periodically to eliminate slack and to prevent sagging. The Anchor Trolley kit comes with a 2-foot-long section of 1/4" bungee cord that can be installed between the trolley line and the Pole Ring on one side. This will help to eliminate slack caused by stretching and keep your trolley line taut.

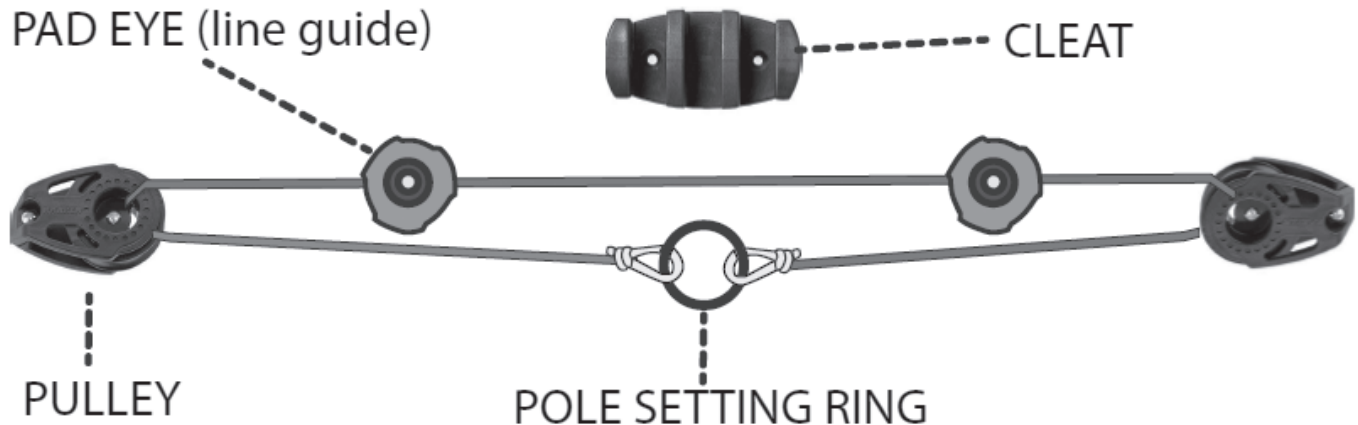
STEP 6: INSTALL ZIG-ZAG CLEAT

The Zig-Zag cleat is provided to lock down the anchor's position on your trolley system. It also keeps the bottom trolley line in place so that it is easily accessible.

Installing Zig-Zag cleat to anchor trolley system:

- A. Select a position in line with the run of the trolley cord and along the outside of the kayak. Slightly behind the seat is generally preferred (versus directly beside seat) to minimize interference between cleat and paddle strokes. Make sure cleat is within convenient reach from seat position.
- B. Align cleat so that the two mounting holes run parallel with the trolley cord and then mark hole locations. Using the 1/8" bit, drill holes at marks.
- C. Insert 10-32 x 7/8" self-tapping screws through holes in base of cleat and into pre-drilled holes in hull

Congratulations - System Complete!



LOOKING FOR HELP? NEED ANSWERS OR ADVICE?

For quickest service, call us at 888-52-KAYAK (888-525-2925), from 9:00 a.m. to 5:00 p.m. ET.

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