

ANCHOR TROLLEY KIT

Contents of Kit:

- (40') $\frac{3}{16}$ " Wildy Orange Static Cord
- (8) Well Nuts
- (8) 10-32 x 1- $\frac{1}{4}$ " Phillips Pan-Head Screws
- (1) Pole Setting Ring
- (2) Pulleys
- (1) Zig-Zag Cleat
- (2) 10-32 x $\frac{7}{8}$ " Phillips Flathead Screws (self-tapping)
- (4) Wildy Line Guide Fittings
- (2') $\frac{1}{4}$ " Black Bungee Cord

Required Tools:

- Lighter/matches
- Phillips Screwdriver
- Drill with $\frac{1}{8}$ " and $\frac{3}{8}$ " drill bits
- Tape
- Marker
- Scissors or Knife

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

NOTE: The installation hardware included with the Wilderness Systems Deluxe Anchor Trolley Kit consists of Well Nuts and 10-32 x 1- $\frac{1}{4}$ " stainless steel screws that require the drilling of $\frac{3}{8}$ " holes. This type of hardware is ideal when access to the inside of the hull is limited or non-existent (common with many sit-on-top models).

DO NOT use silicone sealant at any time during the installation process. Well Nuts are designed to mushroom out when tightened 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.

If installing system on kayak with ample access points (common with many sit-inside models), backing hardware such as washers and nuts can be purchased and applied for additional security.

INSTALLATION INSTRUCTIONS:

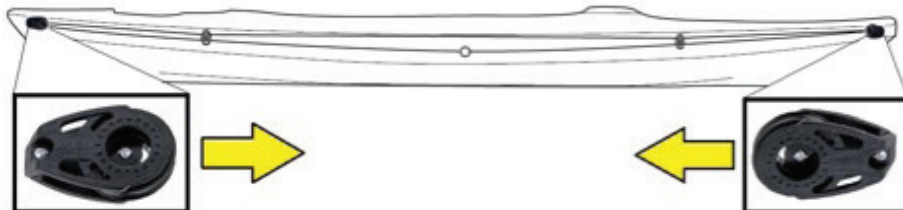
STEP 1 (Test Layout):

Before installing the Anchor Trolley System, it's very important to understand where you would like it positioned before drilling any holes. It may be helpful to tape one end of the static cord to the hull on the chosen location of the first attachment point and run it all the way down to the chosen location of the second attachment point (making a "test" lay-out to ensure the line does not conflict with other outfitting that may be present such as grab handles, deck fittings or any other obstructions).

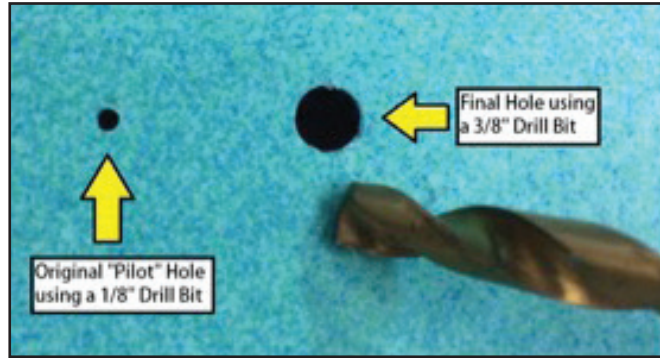
STEP 2 (Mount Pulleys):

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.



1. Starting at either the bow or stern, hold one pulley in the desired position by hand and mark the mounting hole locations.
2. Next, remove pulley and use a 3/8" drill bit to drill out each mounting hole.



NOTE: The pulley mounting holes are small and can be difficult to mark. It's acceptable to use a smaller drill bit, such as 1/8 inch, to drill pilot holes while still holding the pulley in place. Just be careful not to damage the pulley while drilling.



OR



3. Once both mounting holes have been drilled out with the 3/8" bit, insert Well Nut into each 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.



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



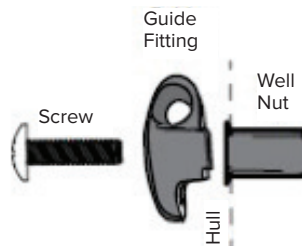
DO NOT apply any form of silicone caulk to the Well Nuts during this process. The Well Nuts are designed to mushroom out as they compress to create a water-tight seal. The use of sealants is not necessary and could actually prevent the well-nuts from sealing properly in which leaking could occur.

STEP 3 (Mount Line Guide Fittings): The line guides hold the top cord in place to prevent it from slipping out of position when under tension.

NOTE: Your Anchor Trolley Kits comes with (4) “line guide” fittings but the quantity used will depend on the length of your kayak and/or personal preference regarding how you want your trolley system to function.

IMPORTANT: Line guide fittings should be positioned so that they run parallel with the kayak’s hull and above the water line. Drilling and installing fittings below your kayak’s water line will result in leaks and will allow water inside the hull.

1. With both pulleys installed, run your trolley line from the bow of your kayak to the stern (front to back) and remove any slack. This will allow you to see the path of your system and enable you to adjust using the “guide fittings.”
2. Mark the drill points for each guide fitting based on the path you’ve chosen for your trolley cord to run along the side of your kayak.
3. Next, using the 1/8” bit, drill the mounting hole for each fitting, install a well-nut and then screw fitting down with 10-32 x 1-1/4” Pan-head Screws until snug.



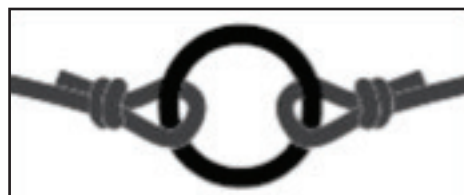
STEP 4 (Install Trolley Line):

1. Thread one end of the static line up through the bottom of one of the pulleys (bow or stern).
2. 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.
3. 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 Ring): 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).

1. First, tie one of the loose cord ends directly to Pole Ring.
2. Next, insert remaining loose cord end through ring and pull cord until desired amount of slack has been removed.
3. Once cord length for optimal system tension has been determined, cut excess cord, leaving enough extra for later adjustments just in case.
4. 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. See image below.



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:

1. 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.
2. 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. If possible, position cleat in location where you can access the interior of the hull of your boat to install securing hardware.
3. Insert 10-32 x 7/8" screws through holes in base of cleat and into holes in hull. Place a neoprene/stainless washer on the interior of hull, neoprene against the hull and secure with nylon lock nut.

INSTALLATION COMPLETE

