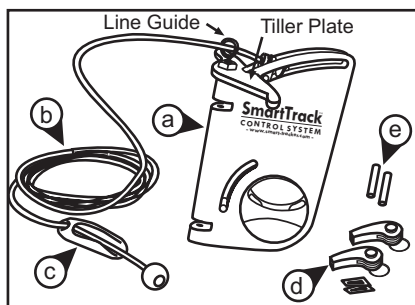


SmartTrack Control System Rear Mount Blade Housing #03816

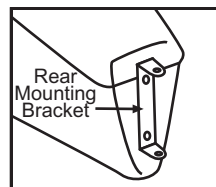
This style of Blade Housing installs on a kayak that has a flat section on the stern of the kayak. Usually the kayak has some type of bracket installed already and nuts may have been potted into the epoxy.

NOTE: Most Necky brackets will fit the Rear Mount Blade Housing. Northwest Kayaks may have the same hole spacing as the SmartTrack Bracket.

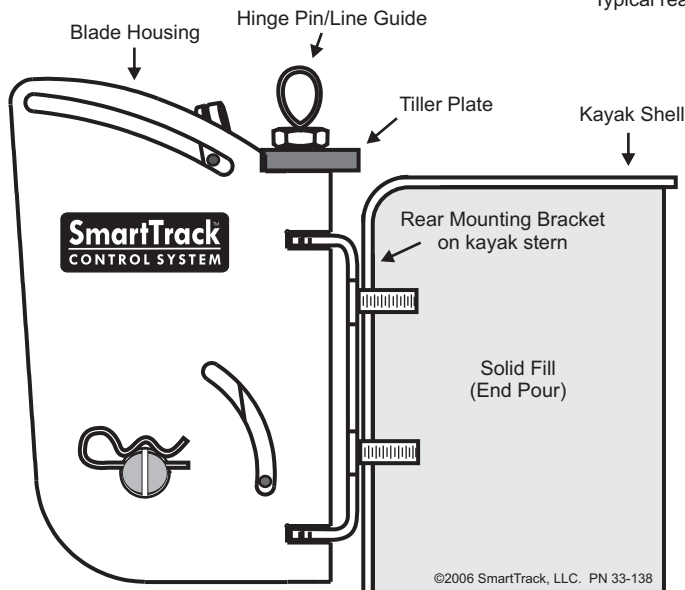
1. Remove existing rudder and cables.
2. Mount the SmartTrack Rear Mounting Bracket onto stern of boat. The Bracket has slotted holes that are located off-center, so you can flip the bracket to adjust for proper height.
3. Remove Hinge Pin/Line Guide from Blade Housing, mount Housing onto Bracket, and reinsert Pin. Note height of the Line Guide that is on top of the Hinge Pin. It should be high enough to allow the rudder Retraction Cord to clear the deck surface. The Hinge Pin/Line Guide should have a slight bend to it so it won't slide out unexpectedly.



Parts in Rear Mount Blade Housing kit:
a) Blade Housing, b) Rudder Cord with Ball End,
c) V Cleat, d) Cool Rudder Wedgie,
e) Shrink Tubing



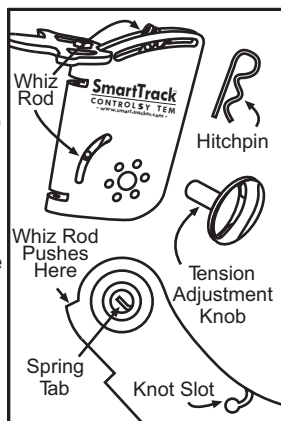
Typical rear mount kayak.



Attaching the Foil Blade Rudder

The SmartTrack Foil Blade has a Coil Spring on the right side where it attaches to the Blade Housing. The Tension Adjustment Knob engages this Spring and can be used to adjust the tension of the Foil Blade depending on anticipated paddling conditions.

1. Remove Hitchpin and Tension Adjustment Knob.
2. Insert Blade into Housing with straight edge forward. Make sure to catch the bottom of the Whiz Rod with the upper notch on the Blade.
3. Align the pivot hole in the Blade with the large center hole in the Blade Housing and reinsert the Tension Adjustment Knob. Line up the slot in the Tension Adjustment Knob with the Spring Tab in the Blade and push until the Knob engages the spring.
4. Wind the Tension Adjustment Knob clockwise until the desired Blade tension is achieved.



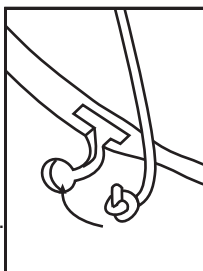
Insert Blade into Blade Housing.
Note notch for Whiz Rod on Blade.

NOTE: If you can not tighten the Tension Adjustment Knob, it may be in the locked position. Pull it out slightly and try turning it again. Do not tighten the Tension Adjustment Knob more than 180 degrees, or 1/2 turn.

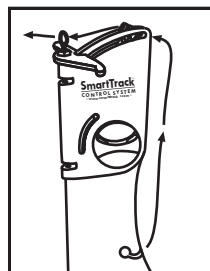
5. With the Tension Adjustment Knob tightened as desired, push it all the way into the Blade Housing, engaging the locking knobs. You may need to rotate the Knob slightly to engage locking knobs.
6. Insert Hitchpin back onto Tension Knob, making sure Clip lies flat.

Attaching Rudder Cord

The SmartTrack system only requires one cord to be routed and because of the unique design, the amount of force required to raise the rudder is significantly less than many other designs. Plan out how you might use existing deck fittings to route the cord to reduce labor and maintain minimum friction. Look inside the kayak at the length of the machine screws used to attach fittings along your planned route for the new Rudder Cord. Often times you only need to use a slightly longer machine screw through a deck fitting, slip a cable guide under the fitting and feed the "new" machine screw into place and tighten in place with the nyloc nut.



Insert knot in Knot Slot



Routing of the Rudder Cord.

1. Tie a tight overhand knot in the end of the cord. Press it into the Blade Knot Slot, center it and pull cord to seat knot in hole. If knot sticks up it can create drag inside the Housing. If the knot still protrudes, melt knot edge with a lighter and flatten. For added security, a spot silicone sealant may be used on the knot.
2. Thread cord from Knot Slot in blade up through the guide in top of Whiz Rod and into Line Guide.
3. Mount cord guides on deck, if necessary, and thread cord. Mount V Cleat in appropriate location. Remember to take into consideration bulkhead location, and hand position when paddling, etc.
4. Lower blade, run cord through the Jam Cleat, and tie Ball End onto the Rudder Cord as close to the V Cleat as possible. Melt the cord end to prevent fraying.