

# JACKSON kayak



## Rudder Installation Guide



### Parts List

Part #	Part Description	Qty
1030	Plastic Bead	1
1044	1/4-20 x 5/8" Pan Head Bolt	2
1046	10-24 x 1" Truss Head Bolt	2
1050	10-24 x 3/4" Truss Head Bolt	4
1051	10-24 x 3/8" Truss Head Bolt	2
1170	10-24 Lock Nut	2
1171	10-24 Cap Nut	2

Part #	Part Description	Qty
1195	Rope; 1/8" Black Nylon	1 @ 9'
1353	Sliding Track	2 @ 16"
1571	Trucourse Rudder	1
1572	Trucourse Rudder Bracket	1
1623	3/32" Hex Key	1
1624	9/64" Hex Key	1
1745	1/16" x 12' Cable w/eyelet	2

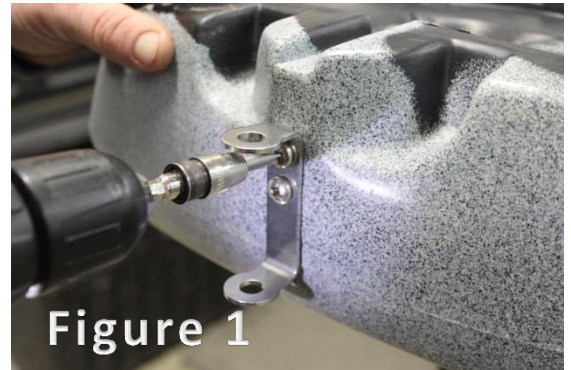
Additional Parts Needed	
Power Drill	3/16" Drill Bit
#2 Phillips Bit	#3 Phillips Bit
3/8" Wrench	Scissors
Lighter	

**Before beginning the install, please read through and consult with your local dealer.**

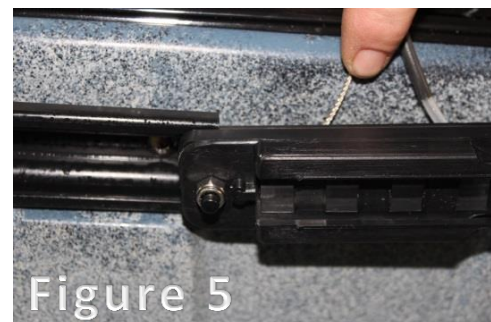
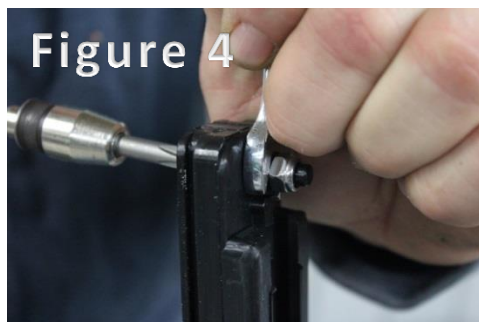
**1)** To install the **Rudder Bracket**, remove the two **Nylon Bolts** on the stern of the kayak. Bolt on the **Rudder Bracket** with (2)  $\frac{1}{4}$ "-20 **Pan Head Bolts** into the inserts, using a **#3 Phillips Bit**. (**Figure 1**)

**2)** Begin the rudder install by removing the current **Foot Rails** from your kayak. The nut for the forward-most bolt can be accessed through the front hatch (Both on Kraken). Use a  $\frac{3}{8}$ " **wrench** and a **#2 Phillips Bit** to unscrew the bolt. On the Big Rig, the rear bolt is secured with molded-in inserts. Simply unscrew the **bolt**. Set aside the **Foot Rails**.

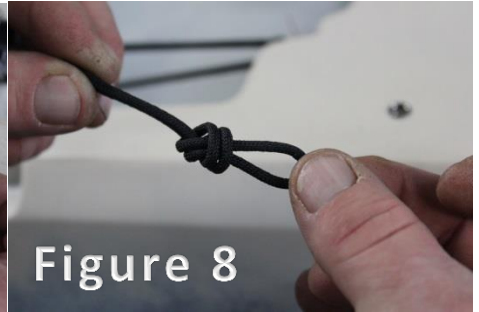
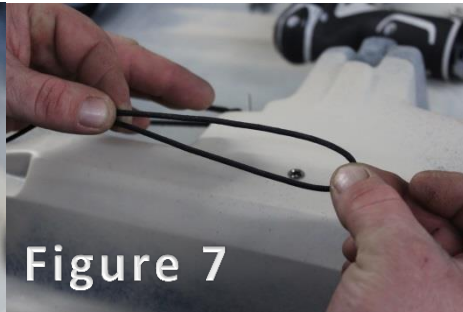
**3)** Install the **Sliding Track** onto the kayak. To bolt the front, use a new **10-24 x  $\frac{3}{4}$ " Truss Head Bolt** through the slider and into the hull. To secure reuse a **#10 x  $\frac{3}{4}$ " Washer** and a new **Lock Nut**. (**Figure 2**) For the rear, use a **10-24 x  $\frac{3}{8}$ " Truss Head Bolt** and screw it into the **insert** (Big Rig only).



**4)** Attach the  $\frac{1}{16}$ " **Cable** to the **Foot Rail**. Start by sliding the **eyelet of the  $\frac{1}{16}$ " Cable** onto a **10-24 x 1" Truss Head Bolt**. On one end of the **Foot Rail** you'll notice a nub sticking up just behind the mounting hole. Insert the **Bolt with Cable** through the backside of the mounting hole near the nub. (**Figure 3**) Secure with a **10-24 Cap Nut**. Use a **#2 Phillips Bit** and  $\frac{3}{8}$ " **Wrench**. (**Figure 4**)



**5)** Slide the **Foot Rail** onto the **Sliding Track** with the end with the **Cable** towards the **front**. (**Figure 5**). Insert the  $\frac{1}{16}$ " **Cable** into the **2MM Semi Clear Tubing** and push it until the **Cable** come out of the **rear** of the kayak.



**6)** Insert the **1/8" Rope** into the **Black Tubing** in the Rudder Deployment Area. Slide the **Plastic Bead** onto the **1/8" Rope**. **(Figure 6)** Fold the end of the **1/8" Rope** back onto itself creating a **5"** overlap. **(Figure 7)** With the overlap in hand tie an **over-hand knot**, forming a **loop**. **(Figure 8)** Slide the **Plastic Bead** against the **knot (Figure 9)** and tie an **over-hand knot** behind the **Plastic Bead**. **(Figure 10)** Tighten the **knot** tight against the **bead**. **(Figure 11)** Attach the **loop** to the **J-Hook** in the front of the Rudder Deployment area.



**7)** With the loop still on the J-Hook, move to the **stern** of the kayak and pull the **Rope** taut and mark where the **Rope** come out of the **Black Tubing** with a **silver marker**. **(Figure 12)** Remove the **loop** from the **J-Hook**. From the **stern**, pull the slack **Rope** toward you. Tie an **over-hand knot** with the **Rope (Figure 13)** and cinch it down on top of the **silver mark**. **(Figure 14)**

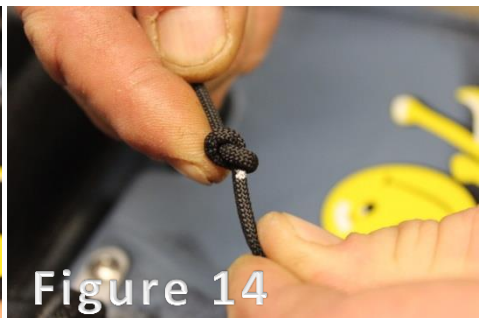
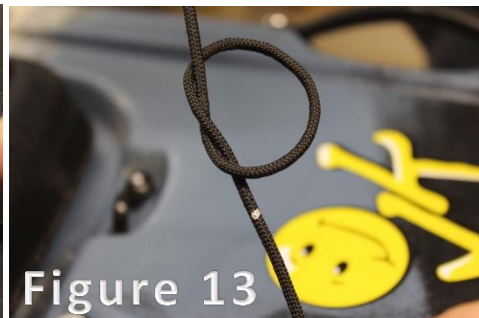
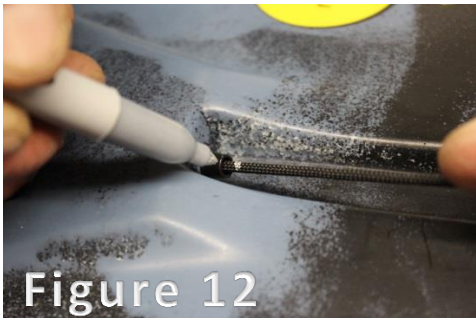




Figure 15

**8)** Remove the **Split Ring** from the **Rudder Post**. Slide the **Rudder post** onto the **Rudder Bracket** and reattach the **Split Ring**. **(Figure 15)** Pull the **Rudder Blade** up and close to the **Rope**. Tie a **Loop Knot** with the **Rope**, going through the **first hole on the Rudder Blade**. **(Figure 16)** From the Rudder Deployment area, try **deploying** and **securing** the **Rudder** several times. You may need to **lengthen** or **shorten** where the last two knots are on the rope to achieve the correct length. Once you are happy with how it works, cut the excess **Rope** off, leaving a short “tail” and singe the end of the **Rope** with a **Lighter**.

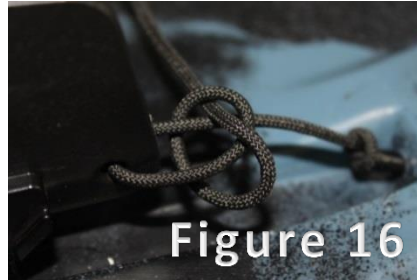


Figure 16

**9)** Slide the **Foot Rails** so the **front of the Foot Rail** lines up with the **front of the Sliding Track**. Hold the Foot Rail in place with **Tape** or an “extra pair of hands”. **(Figure 17)** Using a **9/64” Hex Key**, remove the two **Hex Bolts** from each side of the **Rudder Housing**. **(Figure 18)** Take the **Rudder Housing Cover** off and set it aside. Take note of the placement of the **Washer** that covers the spring. Insert the **1/16” Cable** through the outer most hole of the face of the **Rudder Housing**. **(Figure 19)** With a **3/32” Hex Key**, loosen **Clamping Plate**. Run the **1/16” Cable** behind the screw and up through the hole on top of the **Clamping Plate**. **(Figure 20)** Pull the **cable** taunt on each side making sure the **rudder blade** is **centered**. Retighten the **Clamping Plates** and test the rudder before continuing. When satisfied, trim excess cable and return the **Rudder Housing Cover** to its place (making sure the **Washer** that covers the outside of the spring is also in place). **(Figure 21)**



Figure 17



Figure 18



Figure 19

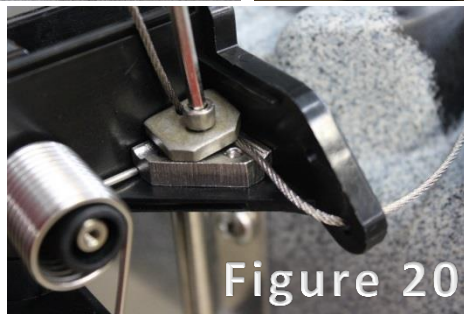


Figure 20



Figure 21



Congratulations! You have finished the Rudder installation. Now get out on the water and have fun!

As with any moving part, inspect regularly for any damage or sign of wear. Periodically you may need to spray a lubricant between the Foot Rail and Sliding Track, and in the Tubing.

