



Quick Installation Guide

Thank you for purchasing the Texas Power Paddle Kayak Propulsion System. Installation of the motor onto your kayak's rudder should take less than 20 minutes. The motor mount adapter attaches to most rudders using three fasteners at the rear edge of the rudder. The only tools you will need are a tape measure, a drill with 1/8th and 1/16th inch bits and a Phillips screwdriver.

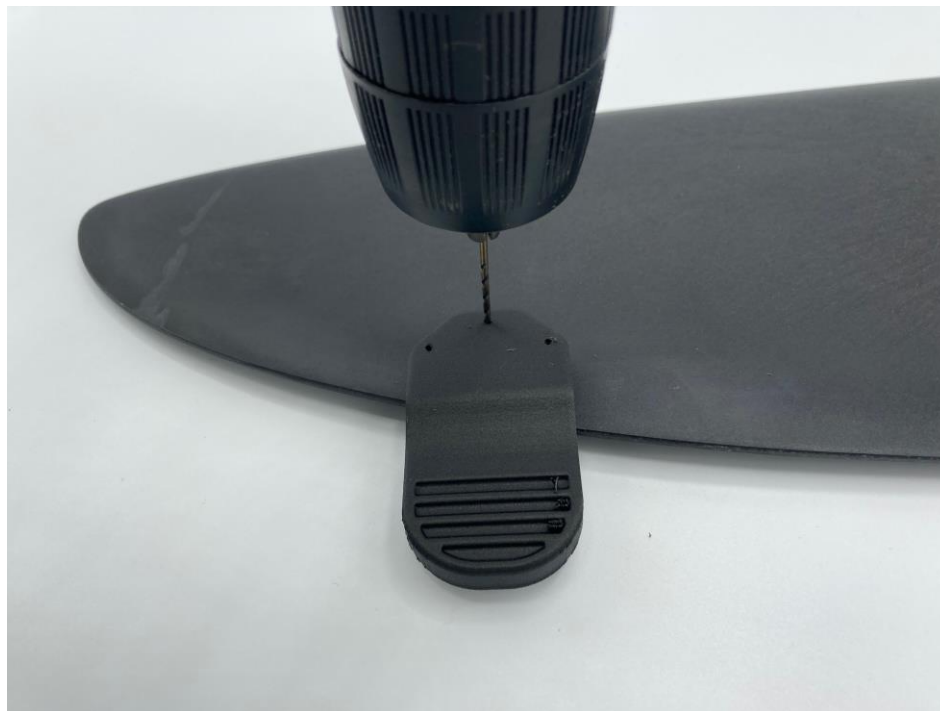


Mounting Adaptor to the Rudder:

- Measure approximately 5 inches from the bottom of the rudder and place the drill jig template over the rear edge of rudder- ensure jig is flush with rudder as shown below. Press the jig to the rudder to hold in place using the pre-applied adhesive on the inside of the jig.



- Using a 1/16th inch drill bit inserted into the pre-drilled jig holes, create three pilot holes in the rudder making sure to not move the mount while drilling.



- Remove the jig and drill the pilot holes again with a 1/8th inch drill bit.



- Remove the three pre-installed Phillips screws on the motor mount and align the motor mount over the drilled holes in the rudder. Insert and tighten the supplied screws to secure the motor in place.



- When complete your rudder with the attached motor should appear as below.



Connecting Throttle and Motor to Waterproof Control Case:

The motor and the throttle cables need to be connected to the main control case. The throttle connector (three pin) attaches to the top receptacle and the motor connector (four pin) attaches to the bottom receptacle. These receptacles are keyed and will only connect when oriented properly. Rotate the red portion of the connector to find the correct orientation.



-Insert fully and twist black collar closest to the case clockwise until securely fastened. The first several times twisting and untwisting this black collar may be difficult but will become easier with use. A connector removal tool shown below is included to assist with twisting and untwisting the black collar.



Location of Waterproof Control Case and Throttle Control on Kayak:

The waterproof control case should be placed just behind the seat in the cargo section of the kayak. The motor cable should be routed over the rudder to ensure that it does not inhibit rotation of the rudder. A zip tie can be used to secure the motor cable to the kayak.



-Attach the black plastic throttle control base to the rudder control knob and slide throttle onto base as shown below:



Operating Instructions

-Connect the motor and throttle cables to the waterproof case and turn system on using the power button. Once the unit is on the case should be closed and latched during use to keep waterproof.

Operating the motor out of the water can cause damage
Do so only to briefly test functionality before launching into water

-Rotate throttle control knob fully counterclockwise to arm system (this prevents the motor from starting unexpectedly when the unit is first turned on)

- When the kayak's rudder is in the water turn the throttle knob clockwise to activate the motor. **At least a quarter turn of the knob will be required before activation.**







-Retract the rudder when launching or beaching to prevent motor damage

-Attach red safety cut-off switch tether to life jacket to ensure unit automatically shuts down if separated from vessel

Expected Run Time

Low Power ~6-8 hours Medium Power ~4-6 hours High Power ~2 hours

Instructions for Use

 Insert motor and throttle cable connectors fully and twist black collar clockwise to lock	 Attach red emergency cut-off switch tether to unit and to life vest
 Turn power button on- LCD will illuminate and unit will emit startup tone	 Turn throttle knob counterclockwise fully to arm system- unit will tone for three seconds and is ready for use
 To charge unit turn off power and insert charging cable into charging jack- a full charge will take ~8 hours	 Charge status led Blue- Charger connected Red-Actively charging Green- Charge complete

Close and latch case to avoid water damage – unit is only waterproof when properly closed

Troubleshooting & Care Tips

- The motor will shut down automatically if it gets clogged during use. This is a safety feature to prevent damage. When this occurs, the user should remove the safety tether clip from the control case and manually remove the debris from the motor. **Remember to replace the safety clip or the unit will not operate.**
- A thorough rinse with fresh water after each use will keep the motor and components from accumulating excess dirt and debris that can inhibit performance. **Always rinse after each use in saltwater environments**
- The throttle cable and waterproof case should be stored indoors when not in use.
- In coastal environments use of a small amount of dielectric grease for the throttle and motor connectors will reduce any potential corrosion buildup.
- After the first use of the system check the three fasteners holding the motor adapter to the rudder to ensure they remain properly tightened
- When transporting or launching the kayak take care to not rest or drag the kayak directly on the motor.
- If you need assistance view the install videos by scanning the QR code below or email us at info@texaspowerpaddle.com. If you enjoyed the product, we would appreciate a review.



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