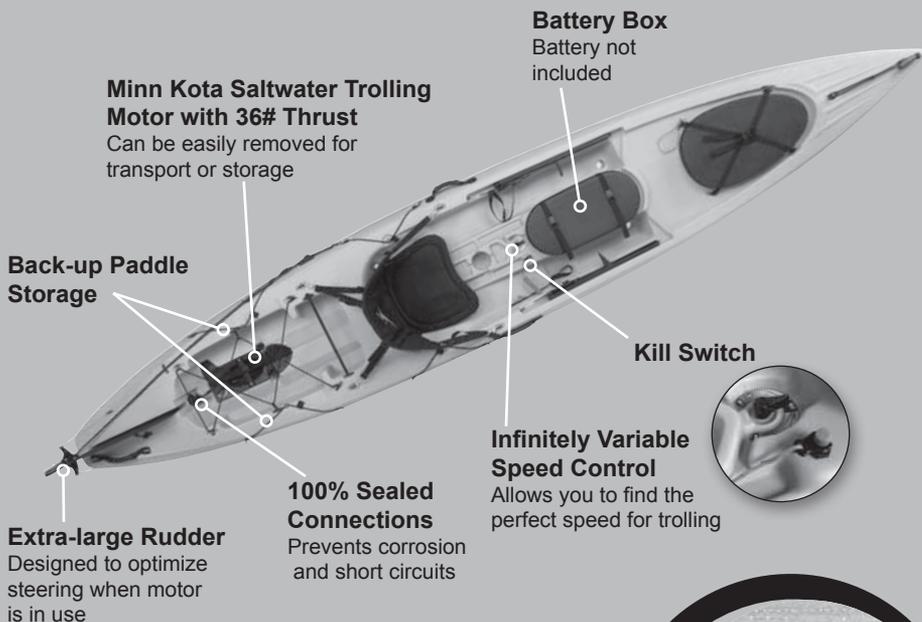


# OWNER'S MANUAL SUPPLEMENT FOR THE TORQUE

## CAUTION

Read this manual carefully before operating your new Torque Kayak. Retain for future reference. In addition, it is important that you follow all applicable boating regulations. Make sure you consult your dealer or State for details.



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## GENERAL SAFETY GUIDELINES

- Paddler assumes risk to self and others.
- Always seek instruction from a dealer or kayak instructor prior to using this craft. Know your limitations and abilities.
- Use good judgement regarding water and wind conditions. Follow recommended safety precautions.
- Check your equipment prior to use and always make sure you have safety equipment on board (including a spare paddle).
- Never consume alcohol or drugs prior to or during use.
- Children should only use this kayak under active adult supervision.
- Always have a U.S. Coast Guard approved personal flotation device (PFD) while on board. Children must always wear a PFD.
- Do not exceed the recommended capacity of this kayak: 350-400 lbs [158.8-181.4 kg].

## MOTOR SAFETY GUIDELINES

- **WARNING: Avoid running the motor aground.** This could cause damage to motor and/or propeller.
- Always have motor cut-off (kill switch) bungee attached to operator.
- When not in use, leave motor cut-off in place to prevent battery drainage.
- Rinse exterior of boat and motor after use in salt water.
- The motor features a sacrificial zinc anode to fight galvanic corrosion. The replaceable anode is conveniently mounted on the prop hub and provides for better protection and longer motor life. Replace anode if it is more than 50% consumed.
- Avoid contact with propeller when under power.
- Do not exit the kayak when in use or use in the vicinity of swimmers.
- Avoid use in shallow water as propeller or motor damage can occur.

## GETTING STARTED

**STEP 1:** Make sure speed control dial is in the off position before inserting battery or motor.



fig. 1

**STEP 2:** Place battery into battery box. Connect red wire to positive terminal and black wire to negative terminal.



fig. 2

**STEP 3:** With kayak in the water so the propeller does not run aground, put the motor into tankwell (fig. 1), strap it down and plug it in (fig. 2).

**STEP 4:** Put rudder down and adjust foot pedals to your leg length.



fig. 3

**STEP 5:** Make sure you have a paddle placed in the back-up paddle storage bungee located on both sides of the tankwell and an approved personal flotation device (PFD).

**STEP 6:** You are now ready to go. Clip kill switch to your PFD. Use dial to go forward or reverse and find your perfect speed for trolling. (fig. 3)



fig. 4-5

**SKEG PLUG:** The motor can be swapped out with the skleg plug for paddling without the motor. (fig. 4-5)



## BATTERY INFORMATION

- Use a 12 volt group 24 deep cycle battery or smaller available at any marine retail store or any battery retailer.
- Use only a marine sealed lead-acid or absorbed glass mat (AGM) battery. **Do not use a non-sealed battery.**
- Disconnect battery when not in use.
- Do not transport kayak with battery.
- Do not mount anything to the battery box cover.
- Do not use battery box for storage of anything but battery.
- Battery should be installed and charged by adults only.
- **WARNING:** Risk of explosive gas mixture. Never smoke, strike a match, or cause a spark in the vicinity of battery.
- Before making any connections to batteries in confined space (such as this kayak's battery box/compartments) allow it to air out for 15 minutes.
- When connecting cables, always connect the red positive ( + ) wires to the red positive ( + ) terminal on the battery and the black negative ( - ) wires to the black negative ( - ) terminal on the battery.
- As a general on the water estimate, the Torque 12 volt motor will pull 25 amps at full speed. The actual ampere draw is subject to your particular environmental conditions and operation requirements. Maintain battery at full charge. Proper care will ensure having battery power when you need it, and will significantly improve the battery life. Failure to recharge lead-acid batteries (within 12-24 hours) is the leading cause of premature battery failure. Use a variable rate charger to avoid overcharging.

## RECHARGING OF BATTERY

- Follow instructions on your battery charger.
- It is strongly recommended to remove the battery from the boat during recharging and transport. If you charge the battery while it is in the craft, be sure to have the battery compartment open and the battery well ventilated.
- Unplug the charger before connecting the battery to the charger.
- **WARNING:** Be sure that all electrical connections are not in contact with water as this could result in shock or electrocution.

## MAXIMIZER/DEPTH FINDER INTERFERENCE

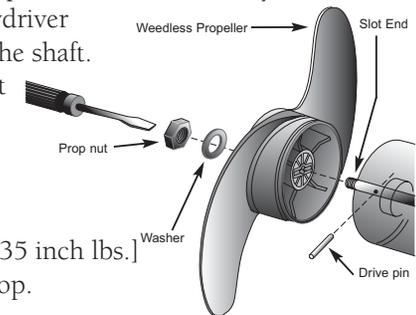
The built-in Maximizer's solid state electronics create pulse width modulation to provide longer running time and extended battery life. With the Torque's Maximizer speed control, you may, in single battery applications, experience some interference in your depth finder display due to RF (radio Frequency) or electrical interference. If interference does occur, call customer service for our document that has a few steps to reduce or eliminate the interference problem or download the file from the Torque's website page under the features tab at: [http://www.oceankayak.com/kayaks/angler\\_editions/torque.html](http://www.oceankayak.com/kayaks/angler_editions/torque.html).

## MAINTENANCE

1. After use, the motor unit should be rinsed with fresh water, then wiped down with a cloth dampened with an aqueous based silicone spray.
2. The propeller must be cleaned of weeds and fishing line. The line can get behind the prop, wear away the seals and allow water to enter the motor. Check this after every 20 hours of operation.
3. Before each use, check to see that the prop nut is secure.
4. To prevent accidental damage during transporting or storage, disconnect the battery whenever the motor is off of the water. For prolonged storage, lightly coat the metal parts with an aqueous based silicone spray.
5. For maximum performance, restore battery to full charge before each use.
6. Keep battery terminals clean with fine sandpaper or emery cloth.
7. In order to prevent corrosion and maximize conductivity, it is highly recommended that you apply a dielectric grease to the plug, receptacle and battery terminals after every use. Dielectric grease is available at most hardware or automotive stores.
8. The weedless wedge propeller is designed to provide absolute weed free operation with very high efficiency. To maintain this top performance, the leading edge of the blades must be kept smooth. If they are rough or nicked from use, restore to smooth by sanding with fine sandpaper.

## PROPELLER REPLACEMENT

- Replacement propellers are available at most marine retailers or at any Minn Kota Authorized Dealer. The part number you need is MKP-6 Prop 2061125 Weedless Wedge or for increased power the Power Prop (MKP-2). The MKP-2 will add about 0.5 mph to the top speed of the boat with no additional amp draw.
- Disconnect the motor from the battery before beginning any prop work.
- Hold the propeller and loosen the prop nut with a pliers or a wrench.
- Remove prop nut and washer. If the drive pin is sheared/broken, you will need to hold the shaft steady with a screwdriver blade pressed into the slot on the end of the shaft.
- Turn the old prop to horizontal and pull it straight off. If the drive pin falls out, push it back in.
- Align new propeller with drive pin.
- Install prop washer and prop nut.
- Tighten prop nut 1/4 turn past snug. [25-35 inch lbs.] Be careful, over tightening can damage prop.



## REPLACEMENT PARTS

Replacement parts are available by calling Ocean Kayak customer service at 800-8-KAYAKS.

## TROUBLESHOOTING

### Motor fails to turn on or loses power after a short running time:

- Make sure the kill switch tether is in place.
- Check circuit breaker. The reset lever will be angled out at a 60 degree angle if blown. Reset by pressing the lever back in.
- Insure that the motor plug is fully inserted in the receptacle in the transom of the boat and that both are free of any corrosion.
- Check battery connections for proper polarity and make sure battery terminals are clean and corrosion free. Use fine sandpaper or emery cloth to clean terminals.
- Check battery charge, if low return to full charge.
- With battery disconnected make sure prop turns freely. Also check behind prop for obstructions and debris. See prop replacement instructions on page 5.
- Check that speed control knob is securely attached to pivot post.
- If this still doesn't solve the issue, contact customer service.

### Motor stops working completely after a short time:

- Turn the speed control dial to the "off" position. Then continue normal operation.
- Insure that the motor plug is fully inserted in the receptacle and that both are free of any corrosion.
- Check battery charge, if low return to full charge.
- Insure that the kill switch tether is in place.

### You experience prop vibration or loud vibration noise coming from the motor during normal operation:

- Tighten motor tie down strap to reduce vibration.
- Remove and rotate the prop 180 degrees. See propeller replacement instructions on page 5.
- If prop is damaged replace with the MKP- prop kit (see page 5).

**For all other technical questions and concerns, contact Ocean Kayak customer service at 800-8-KAYAKS or [service@oceankayak.com](mailto:service@oceankayak.com).**

## FREQUENTLY ASKED QUESTIONS

### I pulled my kill switch and my battery died overnight, what happened?

The kill switch is not designed as an on/off switch but as an emergency kill switch. It is recommended to disconnect the battery for any prolonged storage to eliminate battery drainage.

### My motor does not go directly into reverse from full speed. Is it broken?

The motor control unit requires being reset before switching from forward to reverse or reverse to forward. This process is simply setting the dial control to the off position for approximately 2-3 seconds.

### Can I install an after market prop on my motor to increase speed?

This is not recommended as it will increase the amp draw of the motor causing it to overheat. The use of any non-standard parts will void the warranty.

### How important is the battery selection for the electric motor usage?

The battery is a critical element of your electric motor system. A high-quality deep cycle marine battery should always be used. Unlike automobile batteries, deep cycle marine batteries are designed to be drawn down to a discharged state and then recharged. (To extend the life of your battery, always recharge after use. Most deep cycle marine batteries fail due to lack of proper maintenance.)

### What size battery do I need?

We recommend using a sealed 12 volt group 24 deep cycle battery with a minimum 85 amp hour rating. A group 24 is the largest size battery that can be used with the Torque kayak.

### The batteries I have seen do not have an amp hour rating, they list a reserve capacity. How do I choose the right battery?

If an amp hour rating is not available, select a deep cycle marine battery with a minimum of 140 minute reserve capacity.

### What do I need to recharge the battery?

We recommend using a multi-stage charger such as the Minn Kota MK110P.

### How long will it take to recharge the battery?

The amount of time it takes to recharge the battery will depend on the type of charger being used. A charger with a higher amp output will charge quicker.

### How long will my kayak run on a fully charged battery?

The amount of run-time will vary depending on the amp hour rating of the deep cycle battery being used. The higher the amp hour rating the more run-time you will have. As a general estimate, the Torque 12 volt motor will pull 25 amps at full speed.

## FREQUENTLY ASKED QUESTIONS (CONTINUED FROM PAGE 7)

### **What do I do if I experience prop vibration?**

Props and shafts are not 100% symmetrical. Often times simply removing the prop, rotating it 180 degrees, and reinstalling it will lessen or eliminate the incidence of vibration.

### **How fast can the Torque go?**

The maximum speed is 5.5 mph.

### **Why is the rudder on the Torque extra large?**

The rudder is designed to optimize steering when the motor is in use. It allows for precise positioning, a tight turning radius, responsive steering and total hands-free control.

### **Can the Torque be paddled without the motor?**

Yes, a skeg plug is included with the Torque kayak and can be placed in place of the motor unit. This lowers the weight of the kayak to 75 lbs. and allows it to paddle like a regular kayak.

## WARRANTY INFORMATION

### **To whom does this warranty apply?**

JOHNSON OUTDOORS INC. extends the following limited warranty to the original retail consumer only.

### **What does this warranty cover?**

This warranty covers material defects in workmanship of your new Johnson Outdoors Inc. products with the exceptions stated below.

### **How long does the coverage last?**

The warranty for the Minn Kota motor and electronics is 2 years from the consumer's original purchase date. Ocean Kayak products are three years from consumer's original purchase date. For standard boats used for rental, demonstration, resort or outfitter purposes, 90 days from date of delivery by the dealer to Consumer. For boats built as special "outfitter grade" boats used for rental, demonstration, resort or outfitter purposes, one year from date of delivery. For accessories, 90 days from Consumer's original purchase date. For Minn Kota trolling motor and electronics, 2 years from consumer's original purchase date. For complete warranty details, to provide notice of a warranty claim, or to request warranty service, please contact Johnson Outdoors Inc. at 800-852-9257.

