

TROLLING MOTOR

USER MANUAL

SM-68



The picture is for reference only.
Before using the product, please read this manual.
IMPORTANT!
Read carefully and keep for future reference.

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PRODUCT DETAILS



INSTALLATION STEPS

1. INSTALL THE HANDLE



- Keep the handle aligned with the inner nylon pipe. Adjust the angle to push in the inner pipe to the handle. Lightly press down the marble to get through the handle.

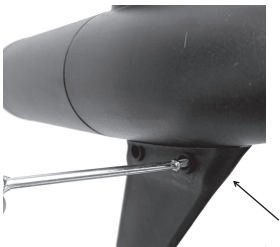


- Once hear the “click” and push the handle to the end, means the handle fully in place.
- Note: This is a one-way installment. Once installed, DO NOT attempt to pull out the handle again, or the self-locking unit can be damaged.

2. INSTALL THE FIN



- Take out the plastic fin out of the accessory box. Loosen off the screws. Find the screw holes on front endbell. Keep the fin and screw holes aligned.

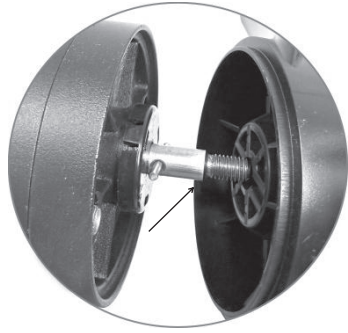


- Insert the fin and re-tighten the screws. Make sure the screws are properly tightened to prevent the fin from loosening.

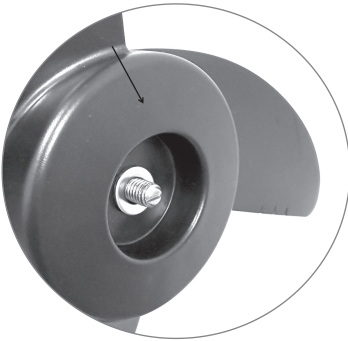
3. INSTALL THE PROPELLER



- Insert the pin horizontally into the shaft hole of the motor.



- The back slot of the propeller is aligned with the pin and inserted into the end.



- Placed the washer and nut on the front of the motor shaft.



- Tighten the nut with screwdriver.



GENERAL INFORMATION

- Thank you for purchasing our product and wish you will enjoy it.
- The trolling motor is designed and developed by professional engineering teams.

Please read and retain this manual before using this trolling motor. The manual contains information that describes the procedure for safe operation and daily maintenance of your trolling motor. Safe operation will prevent from personal injury and product damage.

PRODUCT SPECIFICATIONS

THRUST	68LBS
INPUT VOLTAGE	DC12V
CURRENT	57A
INPUT POWER	684W
NOISE	50db
G.W/N.W	11.8/9.6KG
PROPELLER	3-BLADES/9.5in

PACKAGE INCLUDED

- 1 Propeller×1
- 2 Fin×1
- 3 Pin and washer×1
- 4 Screwdriver×1
- 5.User Manual×1

WIRING AND BATTERY RECOMMENDATION

· Recommended battery: 12-volt Deep Cycle battery or Marine battery should have at least 50-ampere hour rating or higher. To extend running time an additional battery can be used. See section on battery connection method.



WARNING:

- Be sure switch are in the OFF position before connecting to battery.
- Electrical arcing near the battery could ignite hydrogen gas and cause the battery to explode.

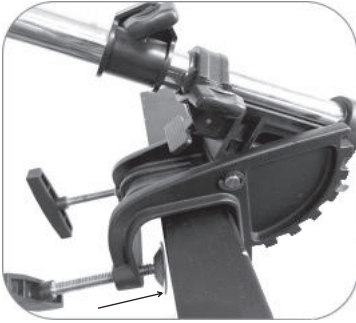


SAFETY INFORMATION

- Do not allow minor to operate the trolling motor.
- Do not modify the unit in any way or add accessories not intended for this product.
- Never fully submerge the unit, if unit is accidentally submersed disconnect battery and leave to dry.
- Always disconnect power from the motor when replacing propeller, removing debris around the prop, charging batteries, transporting boat or when the motor is not in use.
- Never put the control box in the water. Send it to professionals before use when it fell into water.
- Never unfix any part of the motor.
- Suitable temperature between -20°C to $+45^{\circ}\text{C}$ (-4°F to 113°F).
- Ensure sufficient battery charge. Unplug the batteries with the motor when the red light is bright on the voltage meter.
- Keep lead wire connection tight and solid to battery terminals.
- Ensure no hazards in the swimming area before using the boat.
- Always wear a professional flotation device on the boat.

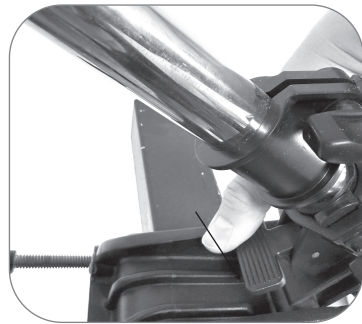
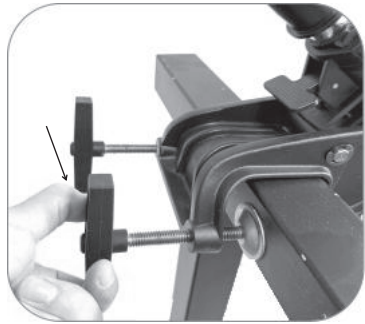
HOW TO USE

FIRST TIME RUNNING



- Place the Electric Outboard onto the back of the vessel in the stow-away position.

- Loosely tighten the Transom Mounting Screws until they grip the Transom Mount.

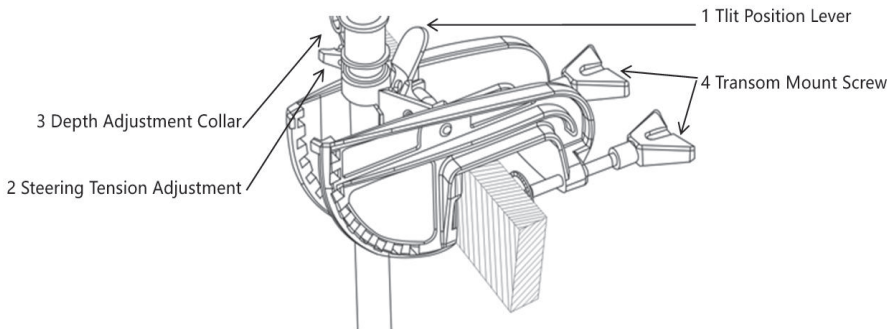


- Use the Depth Adjuster Collar to adjust the height of the motor.

- Press the Tilt Lever and slowly let the motor enter the water.



- When you are satisfied that the motor is at a safe depth and isn't too close or in danger of hitting the bottom of the waterway, you may proceed to tighten the Transom Mounting Screws.
 - Once this is done, connecting the battery to the motor should be safe. Ensure that the twist grip is in the neutral position and the nuts are tight on the terminals to prevent a poor connection.
 - Select the desired speed and direction using the twist grip on the tiller arm.
- Do not go from full forward speed to full reverse speed without letting the propeller stop turning first, or motor damage may occur.

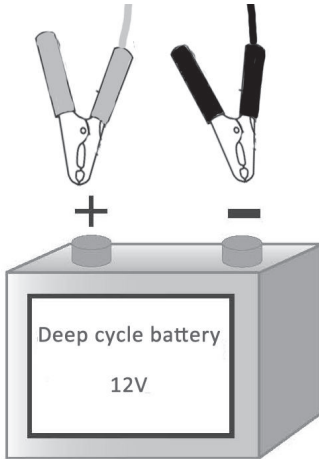


- Tilt Position Lever - This lever allows the user to adjust the tilt (angle) of the motor. Push tilt position lever, adjust tilt of motor, release lever.
- Steering Tension Adjustment - To adjust the steering resistance, simply tighten or loosen the tension knob located on front of the mount.
- Depth Adjustment Collar - The depth of the motor can be adjusted up and down by loosening the depth collar tension knob located on the column directly above the mount. The column can be adjusted and the motor can be positioned at the desired depth by re-tightening the tension knob.
- Transom Screws - The transom clamp screws allow for easy motor removal and installation. Mount your motor on the transom then tighten the transom clamp screws securely.

**WARNING:**

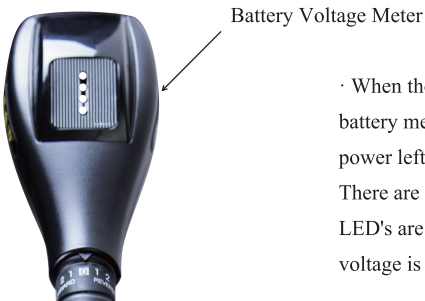
- Before the installation, Make sure the area between column and bracket is clear.

BATTERY CONNECTION METHOD



- Before connecting the motor's cables to the battery terminals, ensure all switches are in the OFF position. Stand clear of the propeller.
- Connect the red cable to the positive (+) terminal and the black cable to the negative (-) terminal. Make sure the terminals are clean before Connecting. A clean connection will minimize power wastage and give the maximum power from the battery.
- Keep the battery in a well-ventilated location. Place a deep cycle marine battery is recommended for optimum performance.

BATTERY METER READING



- When the motor is connected to the battery, the battery meter will light up to indicate the amount of power left in the battery. There are 4 LED lights on the top cover, when 3 LED's are out, the meter is indicating that the input voltage is less than 9.5V (normal voltage draw, 12V).

· It is important to pay attention to the remaining power of the battery, make sure to reserve enough battery power that you can travel back with motor.

MOTOR OPERATION

· This product does not include batteries; please choose a battery with 12V output to fit this motor. There commended type of battery is a deep cycle battery or marine battery, as they will last much longer and are specifically designed for this application.



SPEED CONTROL



· The speed control, featuring five forward and three reverse speeds, is integrated into the handle. Turn the handle clockwise to move forward and anti-clockwise to go backwards. When you don't want to move, set the handle into neutral. No power will be used in this setting.

REPLACE THE PROPELLER

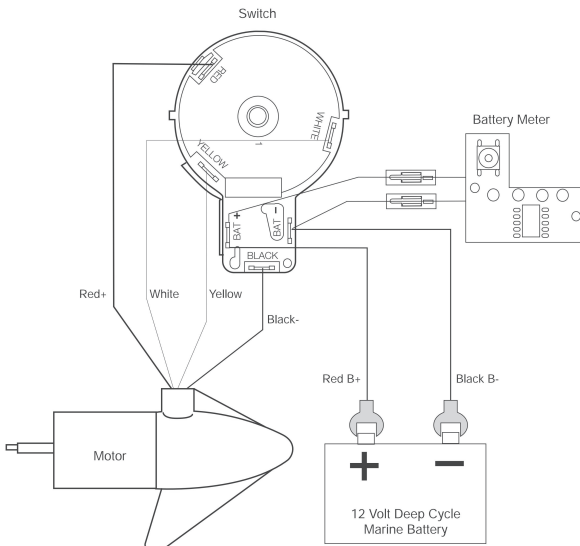
- Hold the propeller blade and loosen the propeller knob. It can be done counter clock-wise manually without tools. Pull the propeller straight off. If prop is stuck, grasp one blade with one hand and tap on the backside of the opposite blade lightly with a rubber mallet, until the propeller comes off. If the propeller pin is bent, replace it. Align the new propeller with the propeller pin. Re-install the propeller knob and tighten firmly by hand clock-wise.



WARNING:

- Make sure that the motor has been disconnected from batteries before replacing the propeller.
- Do not strike bent prop pin with hammer to remove pin. Damage to motor armature may occur that would not be covered by warranty.

WIRING DIAGRAM



TROUBLESHOOTING

POSSIBLE CAUSE/SOLUTION

Speed loss	1: Check for line or weed on propeller.
	2: Check battery status.
	3: Check terminals on battery.
Motor noise/shake	1: Check propeller for line or weed.
	2: Check to see propeller is secure and not damaged.
	3: Check shaft to ensure it is not bent. Detach propeller and run motor visually to ensure shaft is not shaking. If shaft is damaged contact your retailer.
Loss of speed setting	1: Check all wiring connections.
	2: Switch in motor may be burned, contact your retailer.
Tight steering	1: Loosen counter-force screw, apply lubricant and readjust.

MAINTENANCE

1. Check the propeller after each day for weeds, fishing line or other debris that may get wrapped behind the propeller.
2. Check tightness of the battery lead connections.
3. Visually check condition of main battery cables.
4. Inspect for loose or corroded wiring connections.
5. Always thoroughly rinse your electric trolling motor with freshwater after every use in salt water. Only rinse the areas that have been in contact with salt water, avoid getting the top cover wet as this may damage the circuitry inside.
6. Inspect tightness of all nuts, bolts and screws.
7. Recharge batteries after each use. Follow the battery manufacturer's recommendations for battery maintenance.
8. During freezing temperatures, when your electric motor is not being used, it should be stored in an area where it will not freeze.
9. Never connect the wires to the wrong battery terminal. You must disconnect the battery during maintenance.

WARRANTY & CUSTOMER SUPPORT

If you need help regarding product issues, after-sales service, or other relevant problems, please contact us via order number.

Note: Products purchased directly from us will enjoy our after-sales service if the purchases are made from other selling teams, we recommend you contact them for warranty issues.

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MADE IN CHINA

