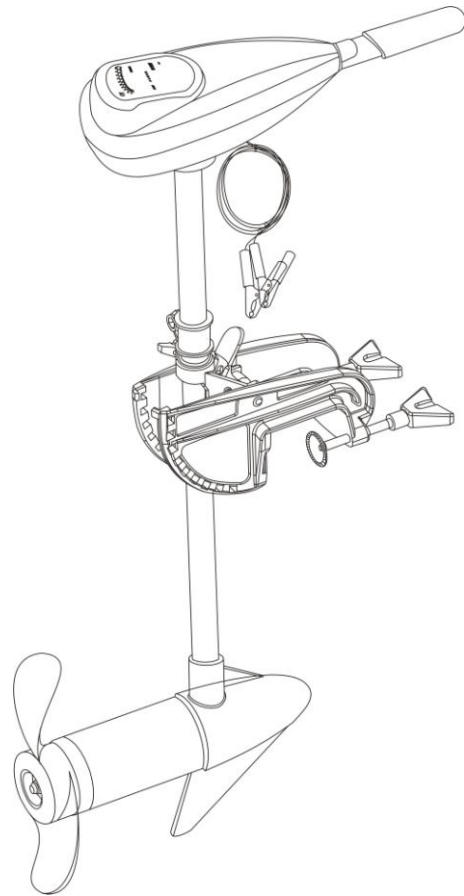


TROLLING MOTOR OWNERS MANUAL

For L/F Series



GENERAL INFORMATION

Thank you for purchasing our product and wish you will enjoy it.

The trolling motors are designed and developed by professional engineering teams. With years of efforts. The power of trolling motor has widely covered from 24LBS to 86LBS in order to fit various costumers' requirements and provide different experiences.

Please read and retain this manual before using this electrical 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.

WIRING AND BATTERY RECOMMENDATION

Battery Type

Recommended battery(s): 12-volt Deep Cycle battery or Marine battery (24-volts for 86lbs), battery should has 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 or batteries.

Electrical arcing near the battery could ignite hydrogen gas and cause the battery to explode.

SAFETY INFORMATION

Do not allow children 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.

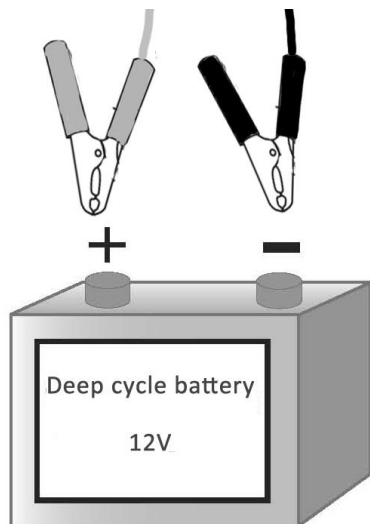
Warning: Always disconnect power from the motor when replacing propeller, removing debris around the prop, charging batteries, transporting boat or when the motor is not in use.

FIRST TIME RUNNING

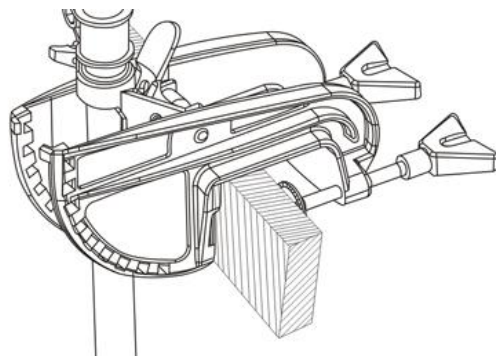
BATTERY CONNECTION METHOD

Before connecting the motor's cables to the battery terminals, ensure all switches are in the OFF position and stand clear of the propeller. Connect the red cable to the positive (+) terminal and the black cable to the negative (-) terminal, making sure the terminals are clean before doing so. A clean connection will minimize power wastage and give you maximum power from the battery. (A)

The battery should be kept in a well-ventilated location. We recommend using a special deep cycle marine battery for optimum performance.



(A)



(B)

ATTACHING THE MOTOR TO YOUR BOAT

Attach the motor to the stern of the boat and tighten both mounting bolts securely while taking care not to over-tighten.

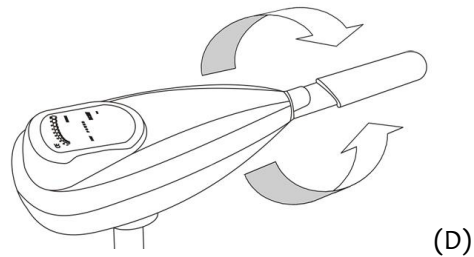
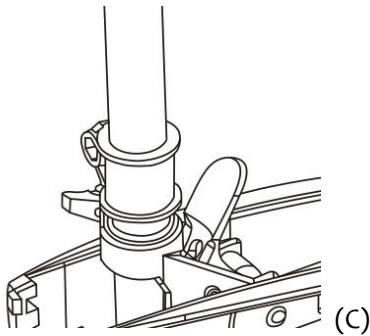
To adjust the angle of the motor after attachment, hold the motor head with one hand and depress the positioning pin at the top of the mounting bracket with your other hand.

Press and hold the positioning pin until the desired angle has been reached next release the pin and ensure the mechanism locks securely. (B)

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

DEPTH ADJUSTMENT

Hold the motor shaft with one hand, loosen the depth adjustment screw and set the motor to the desired depth, then retighten the adjusting screw securely. (C)



STEERING

To adjust steering counter-force, simply loosen or tighten the counterforce bolt. The ideal setting is one where the counterforce bolt is just tight enough so that the boat will steer in the direction you are aiming without need for continual correction.

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. (D)

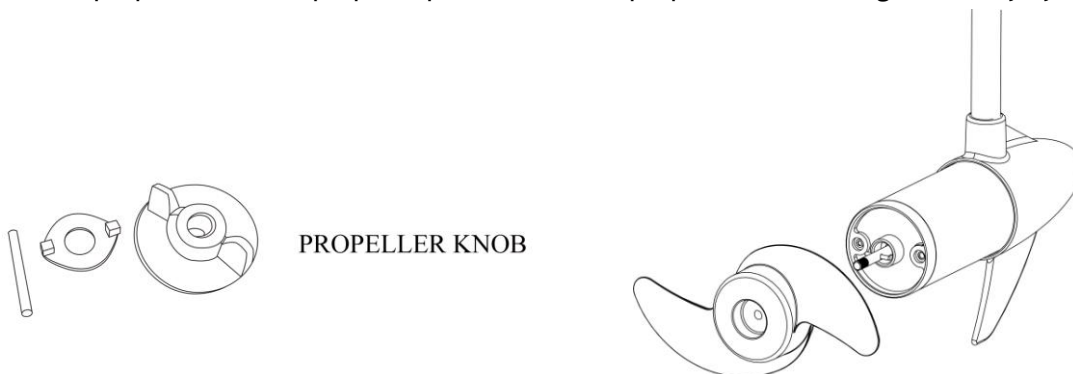
Warning:

Remember always disconnect from batteries once the motor leaves water as a rotating propeller can cause personal injury.

Remember to wash the motor by using fresh water after used it in salt water as it can greatly reduce the possibility of corrossions.

How to 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. Reinstall 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."

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 counterforce screw, apply lubricant and readjust.

MAINTENANCE

At the end of the day, wipe the motor down with a cloth soaked in warm water and then rinse unit with light spray from hose. Always check the propeller is clear of line or weed, regularly check all nuts, bolts and screws and lubricate all moving parts with an aerosol lubricant. Clean terminal connections regularly and check for frayed wires or loose connections.

STORAGE

When storing the motor, lubricate all moving parts and screws and store in a well-ventilated, dry area. Do not leave the motor outside in winter for long periods, as this will damage the permanent magnet in the unit.

WARRANTY

According to vendor's general condition of sale.