

Trolling Motor Mount for Sea Eagle Kayaks (MMKayak)

Kit Includes:

- Aluminum motor mount board (1100mm)
- White Plastic Block
- 2 - L Brackets
- 4 - black knobs
- 4 - M8 bolts: 40mm and 50mm
- 2 - Sea Eagle Straps

Kit may contain washers, they are not needed.



Motor Mount Block

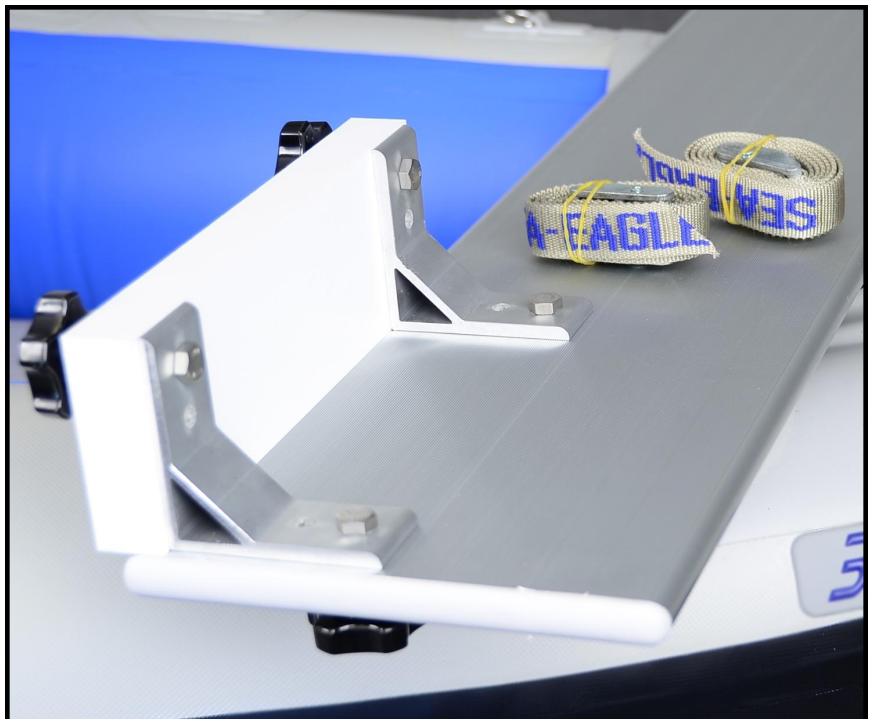
Run longer screws through L-Brackets, then through plastic block. Screw black knob onto bolt, do not tighten.

Run shorter screws through L-bracket and aluminum board. Tighten each knob. If necessary, use a 13mm or adjustable wrench to hold head.

For illustration purposes, we're showing the Fast Track, but other Sea Eagle boats with two sets of D-rings eight inches apart are similar.

Motor Mount Board

Lay board over the D-rings located just in front of the rear spray skirt. Locate the two straps.



Place board as close to side of boat as L-bracket knob will allow.

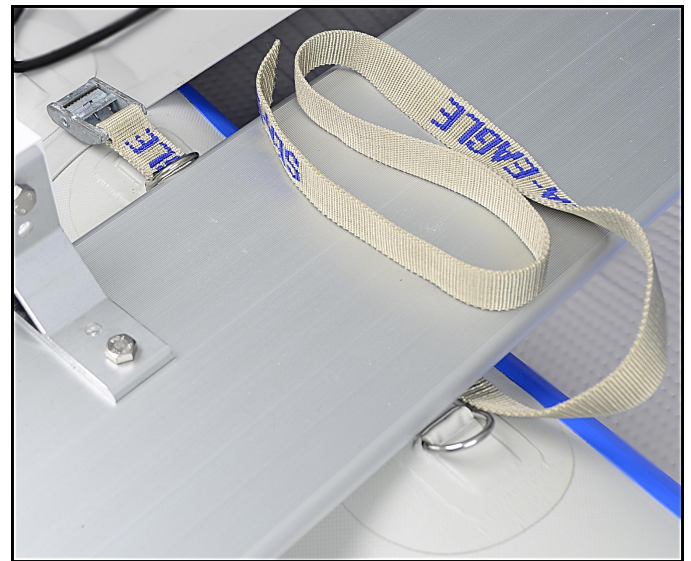
Note: Upright can be placed on either side of boat. Board can be flipped to install block on leading edge. See photos on page 4.



Straps

With buckle upside down, run strap through the rear D-ring and under the board.

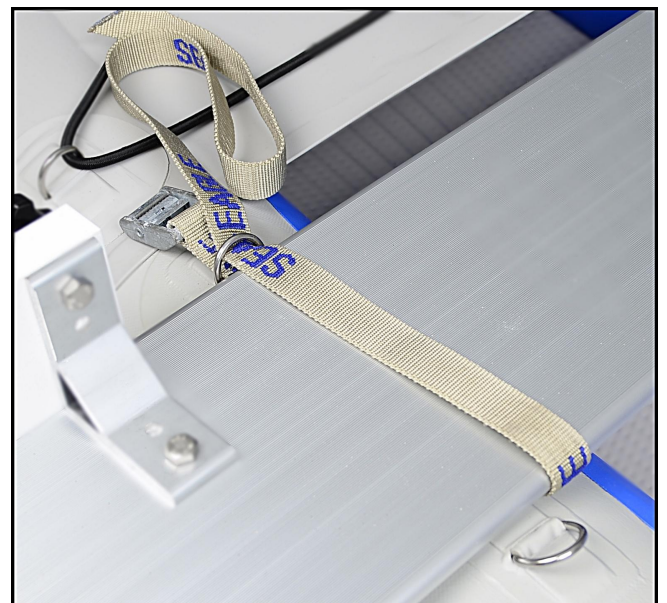
Do **not** run strap through the front D-ring at this time, only under the board.



Loop Around Board

Run strap back over the board and through the rear D-ring to make a loop around the board.

Pull strap to remove slack. At this point, strap should make a loop around the board going through rear D-ring only.



Front D-Ring

Run strap through front D-ring and back through buckle. Pulling out any slack as you go.



Strap Through Buckle

Run strap through buckle and pull tight.

Excess strap can be run through back of buckle and tucked under secured strap.

⚠ Caution: Strap will stretch when wet. Check strap when wet and tighten it.

Tighten knobs before each use.

Trolling motor can now be clamped onto to motor block.



Configurations

For best performance, motor should be in rear most position and as close to boat as possible, but if the motor is too far from the seat, it may be uncomfortable to operate, especially if the tiller is short.

By turning the board around or flipping it over, the motor mount block can be attached to leading or following edge of board for left hand or right hand operation.

To maintain steering control, the skeg should always be used with a Sea Eagle kayak.

Battery Selection

What battery to use with a kayak?

Deep cycle lead or Lithium Ion batteries work the best and last the longest. Deep cycle lead batteries can get very heavy as they get larger with more capacity. It may be safer to have two small batteries rather than a large heavy one. Keep battery low in boat to minimize tippiness, like behind the seat or under spray skirt. Run a strap under the floor and over the battery to secure it in the boat.

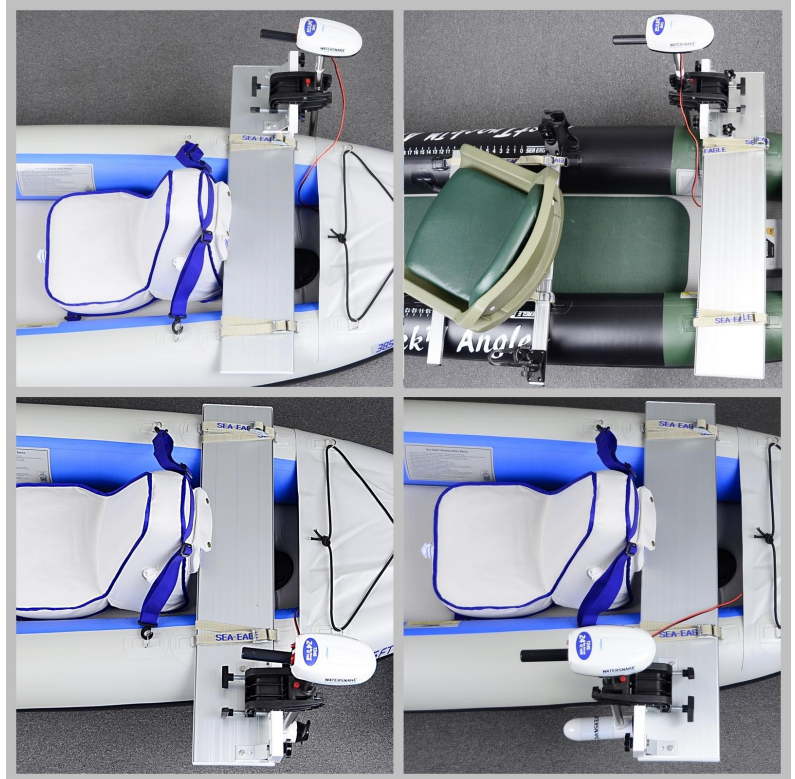
Small Batteries some examples are:

K2 brand Lithium Ion Battery*: 5.5 lbs, 19 Amp hours (Ah).

Universal brand Electric Vehicle (EV) battery: 13 lbs, 22 Ah

West Marine brand AGM 17 lbs, 19 Ah

**Can be used with 12 volt rated Lithium Iron Phosphate (LiFePO₄) batteries that do not exceed 14.5v peak voltage*



Circuit Breaker or Fuse

Use a circuit breaker rated (or amperage "trip point") above the amperage draw of your motor at maximum speed (usually equals the thrust rating). When boating, if the propeller gets wrapped with weeds and the tangle prevents it from spinning, the electric motor will respond by drawing more and more power from the battery in its attempt to turn the shaft. The high level of current may permanently damage the motor; you may see or smell smoke. A breaker is also a Coast Guard requirement for ungrounded current carrying conductors. The breaker attaches to the positive terminal of the battery. Breakers are available from Minn Kota, WaterSnake and other manufacturers. Some battery boxes have built-in breakers. Lithium ion batteries do not need circuit breakers, they have built-in overload protection.