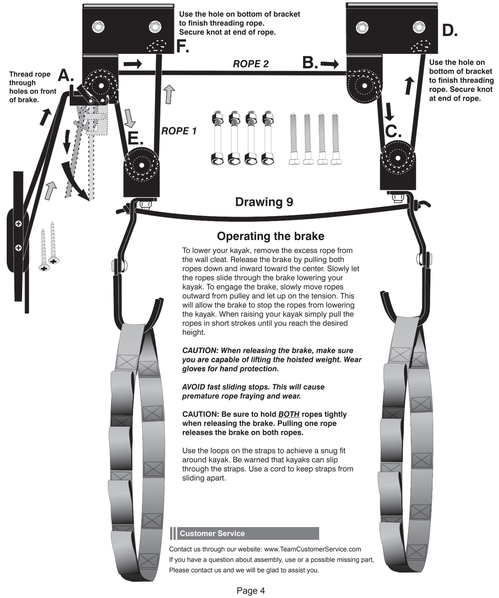
Threading the Kayak Hoist

NOTE: Your Kayak Hoist comes with one rope more than twice as long as it needs to be. Begin by cutting the remaining length or rope (after sectioning off a 6' to 10' section as described on the previous page) into two ropes. After attaching the Kayak Hoist mounting brackets and board to the ceiling, you will need to thread the nylon rope through the pulley system. Do this before you hang the pulleys. Start by threading the ropes (2 rope halves cut from the large strand of rope) through the brake device as shown below in Drawing 9/Location A. Follow the thread route (A through F on rope half 1 following the **grey arrows**) & (A through D on rope half 2 following the **black arrows**). Be sure the hooks at location E and C face inward. Thread rope half 2 through the far hole at A. on the brake lever. Be sure to dip under the braking bar and over the far pulley. Next follow rope half 2 to location B on the second mounting bracket. Continue to location C. thread the rope down through the hook pulley then up to location D through the round hole on the bottom of the bracket and knot the end of the rope.

The brake bracket has two pulleys and two holes. Rope half 1 will thread through the nearest hole, under the brake and over the near pulley the same route as Rope half 2. Continue down through the lower hook/pulley E, then up to the hole on the bottom of the bracket at location F. Tie a firm non-slip knot.



Drawing 9

Operating the brake

To lower your kayak, remove the excess rope from the wall cleat. Release the brake by pulling both ropes down and inward toward the center. Slowly let the ropes slide through the brake lowering your kayak. To engage the brake, slowly move ropes outward from pulley and let up on the tension. This will allow the brake to stop the ropes from lowering the kayak. When raising your kayak simply pull the ropes in short strokes until you reach the desired height.

CAUTION: When releasing the brake, make sure you are capable of lifting the hoisted weight. Wear gloves for hand protection.

AVOID fast sliding stops. This will cause premature rope fraying and wear.

CAUTION: Be sure to hold *BOTH* ropes tightly when releasing the brake. Pulling one rope releases the brake on both ropes.

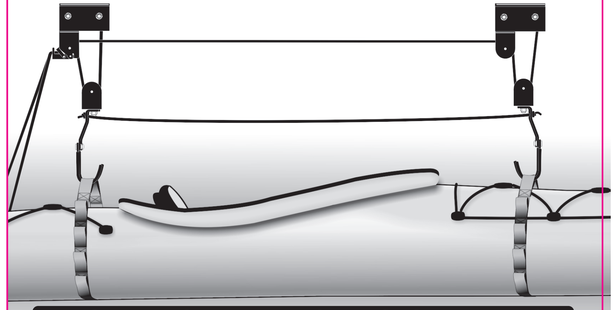
Use the loops on the straps to achieve a snug fit around kayak. Be warned that kayaks can slip through the straps. Use a cord to keep straps from sliding apart.

Customer Service

Contact us through our website: www.TeamCustomerService.com
If you have a question about assembly, use or a possible missing part, Please contact us and we will be glad to assist you.

KAYAK HOIST

Thank you for purchasing Easy Kayak Hoist.
We have sold thousands of the Hoist. Over the years We have listened to our customers on-line feedback. The majority of the feedback is very good, a few are bad. We read all the feedback and listen to what you are saying. We have made changes to our product in an attempt to improve it. Sometimes the changes don't work out. A good example is the plastic buckle. That was a very good customer idea. Under pressure the buckles failed. A plastic buckle that could withstand a 125lbs. was cost prohibitive. Our latest innovation, the loop strap has worked out good.
We have re-writtten our installation manual to include some other popular ideas. This manual may seem complicated, but is written with your safety in mind. The Kayak Hoist is made with quality materials and will provide you with many years of dependable service.



IMPORTANT SAFETY PRECAUTIONS READ FIRST:

- ***DO NOT*** install the Kayak Hoist in locations above where human traffic will occur or children will play.
- ***The Hoist*** *has a* ***125 lb. weight capacity*** *when installed properly.*
- ***DO NOT*** use hoist if you are not capable of lifting kayak weight.
- ***DO NOT*** place hoist above automobile or other property that can be damaged if kayak falls.
- ***DO NOT*** attempt to lower kayak when people or property are beneath.
- ***DO NOT*** allow children to operate hoist.
- ***DO NOT*** allow rope to slide through soft hands. To avoid rope burns ***USE GLOVES.***
- ***DO NOT*** exceed maximum weight capacity=125 lbs. Overloading can result in personal injury or property damage.
- We are not responsible for damage or injury due to improper installation or lifting beyond hoist capacity.
- The Kayak Hoist is designed to lift one kayak only. Remove all stowage before lift.
- ***DO NOT*** hang additional weight onto lifted kayak.
- ***NEVER*** lift the kayak with persons, children, or pets still on board kayak. This could result in personal injury.
- ***DO NOT*** install the Kayak Hoist near fuse/circuit panel, electrical outlets, light fixtures or heating elements.
- **Read and familiarize** yourself with the installation procedure before tackling this project. It is necessary that you have some mechanical aptitude to properly install this hoist.
- ***This is a two person job!***

COMPONENTS INCLUDED TO MAKE EACH UNIT:									
Front Pulley with brake (1)	Rear Pulley (1)	Mounting Bracket(2)	Pulley Hooks (2)	Lift Cleat (1)	Rope (1)	Straps (2)	Machine screw (4)	Lag bolts 1/4"x2" (4)	Nuts (4)	Wood screws (2)
										

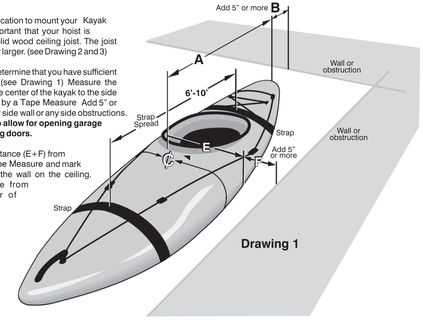
Tools required(NOT INCLUDED) :
Phillips and square head screwdriver
Tape Measure

Kayak Hoist Installation

Step 1 Pick a suitable location to mount your Kayak Hoist. It is important that your hoist is attached to a solid wood ceiling joist. The joist must be 2"x 4" or larger. (see Drawing 2 and 3)

Next you must determine that you have sufficient wall clearance. (see Drawing 1) Measure the distance from the center of the kayak to the side of the kayak (E), by a Tape Measure Add 5" or more (F) to clear side wall or any side obstructions. **Note: Be sure to allow for opening garage door or swinging doors.**

Measure that distance (E+F) from the wall by a Tape Measure and mark a line parallel to the wall on the ceiling. (E+F=Distance from wall to center of kayak)



Drawing 1

Step 1- continued

Next determine the center point of the kayak from front to rear. Measure from the center point to the end of the kayak. (A) Add 5" or more as needed to that measurement.(B) If clearance is needed on both ends or sides repeat the process on opposite halves. Measure (A+B) from the wall and mark on the parallel line. This will be the center mark for your Hoist mounting installation.

Step 2 Next, determine how far apart you would like to space the straps. (From 6' to 10' is possible.) The kit includes enough rope for mounting pulley hooks up to 10' apart. Decide the distance apart that will best work with your style of kayak. Short kayaks will space closer together. Long kayaks will be spaced farther apart for balance. **Note: New and well maintained kayak hulls have a slippery surface. A kayak of this nature can slip through the nylon straps that are provided with this kit.** It is advisable to connect a cord between the straps to prevent them from sliding apart. (See Drawing 4). You will have to divide that distance by half.

Step 3 We recommends that you mount your hoist on a mounting board (not included). The wide side of a 2"x4" or a 1"x4" works great. (see Drawing 2 & 3) The length of the board should be 5" inches longer on each end of the space needed to mount your hoist. Mark a center point on the board.

Step 4 Attach the hoist to the mounting board before attaching mounting board to the ceiling. Use the measurements from Drawing 1 to determine the location of the front and back hook as shown in Drawing 2 & 3. Use the 1/4"x2" Lag bolts provided to attach the hoist mounting brackets to the mounting board. Tighten by a square head screwdriver

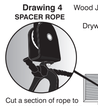
Step 5 You will need two or three people working together to mount board pulley assembly. Match the center point on the board to the center point on the ceiling. The hoist and board assembly can be attached to the ceiling joist using 1/4" x 3-1/2" lag bolts with flat washers. (as shown in Drawing 2 & 3) Make sure the lag bolt is centered on the joist (Drawing 2). Tighten by a square head screwdriver (Lag bolts, washers and board not included in kit.)
Note: Lag bolts should always be pre- drilled with a pilot hole to prevent screws from snapping.

Step 6 Next mount the lift cleat to the wall. using the wood screws provided. The lift cleat must be attached to a solid wood wall stud. (minimum 2'x4') Mount the lift cleat at a comfortable height. (approx. 4 feet) Tighten by a Phillips head screwdriver.

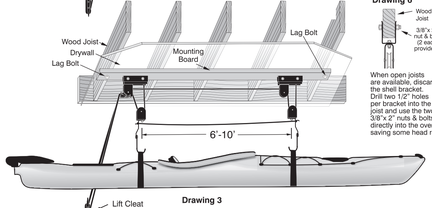
Step 7 Before attaching the hook/pulley part to the bracket that is attached to the ceiling mounting board you must thread the rope. (See Drawing 9)

Joist configurations

Drawing 4
SPACER ROPE



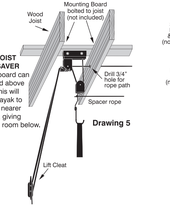
Drawing 2



Drawing 3

Drawing 6

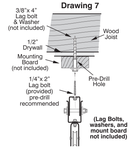
When open joists are available, discard the shell bracket. Drill two 1/2" holes per bracket into the joist and use the two 3/8"x 2" nuts & bolts (provided) directly into the overhead joist saving some head room.



OPEN JOIST SPACE SAVER
Mounting board can be attached above the joist. This will allow the kayak to be hoisted nearer to the joist, giving more head room below.

Drawing 5

Drawing 7



Drawing 8

