

Your Kit Includes:

- (1) Mighty Lift TM
- (1) Screw eye
- (2) #12 x 2" wood screws
- (4) Pulleys
- (3) Ceiling J hooks
- (2) Lifting hooks
- (50') of rope
- (1) Instruction manual
- (4) Strips foam tape

Required Tools:

- Phillips Head screw driver
- 5/16" & 7/64" drill bits
- Electric drill
- Tape measure
- Adjustable open jaw pliers
- Pencil
- Safety glasses
- Stepladder

Optional: Stud Finder



Important Safety Information

Caution: Do not exceed maximum total load of 100 pounds or serious injury or death may occur

Warning: User is fully responsible for the safe installation and daily operation of this product, to help you do so determine the following information before you start:

The need to carefully follow instructions for installation & operation

The appropriateness of any item being lifted

The total weight being lifted is not to exceed 100 pounds

Proper location of Mighty Lift TM and J hooks

Proper type of fastener(s) required if you are securing this unit to something other than wood studs.

Step 1: Mounting the Mighty Lift TM unit

Locate a convenient place for the Mighty Lift™ unit on the wall by opening the folded handle and checking for sufficient clearance for the handle and your hand in both directions, about 24" to 28". Mount at a comfortable height between the waist and elbow.

Mounting to wood:

Using a stud finder or other suitable method, find the center of a stud.

Using the hole pattern on the safe-winch unit as a guide, drill 7/64" pilot holes and screw in the 2 [#12 by 2] wood screws provided. Unit must be mounted flush and tight against wall with the stop on the bottom. Mount the rope guide [screw eye] 12" directly above winch into the stud and screw it in until no threads are showing. Put screwdriver through screw eye for leverage if needed.



Mounting to concrete, masonry, or cinderblock:

Use an anchoring device rated for at least 100# pounds (not included) suitable for the type of solid material to which it will be anchored.

Alternative mounting method if no vertical stud is convenient:

Mount a solid piece of wood at least 1-1/2" thick securely fastened between two vertical studs. Then mount the winch onto the wood with the screws supplied. The winch can now be mounted in a horizontal position if desired.

Note: Stop should be on lower right side when mounted horizontally. A second board will need to be mounted and secured so the rope guide [eye hook] can be mounted 12" directly above center of winch. A third will be need if there is not a convenient joist to screw into for J Hook.



Mount flush and tight



Alternative mounting method

Step 2: Installing the ceiling hooks

Mount a J hook approximately 6" from ceiling into a wall stud. Screw the J hook all the way in until no threads are showing. The opening of hook must be facing up when completely screwed in. This J hook can also be mounted into a joist if convenient.

Note: if both hooks are anchored into ceiling joists, the hooks must have "closed" sides facing each other.

Select item to be stored and place it in the proper location on the floor. Determine if one or two lifting ropes will be needed to evenly lift the item into the storage position.

Note: single rope lift requires 2 ceiling hooks and pulleys, double rope lift requires 3 hooks and 4 pulleys.

Locate the ceiling joist(s) or other suitable solid ceiling material that can support the load directly above attachment point(s) of the item to be stored. Be certain the joist(s) can support the weight. Mark the center of the joist and drill a 5/16" diameter hole 1 3/4" deep. Screw in the 3/8" ceiling hook(s) provided until none of the threads are showing.

Caution: this is a critical step. Make sure you drill into the center of the joist and be sure you drill a 5/16" hole! If the hole is too large the hook will not hold; too small and screwing in the hook may damage the joist. If the joists are 2" x 4"s be sure to adequately reinforce them.

Note: a 2" x 6" joist is the minimum size recommended.

Hint: put a piece of tape around drill bit to indicate the depth of 1-3/4".

Mounting to concrete, masonry, or cinder block:

Purchase suitable hooks and fasteners for use in the exact type of ceiling material you will be using. **Note:** Be sure the pulley eye will fit over any substitute hook purchased. Hooks must be rated for a minimum of 100 pounds.



Ceiling "J" hook centered on joist



Closed sides of J hooks facing away from each other (single rope lift)

Step 3: Installing the rope and pulleys

For single rope lifting:

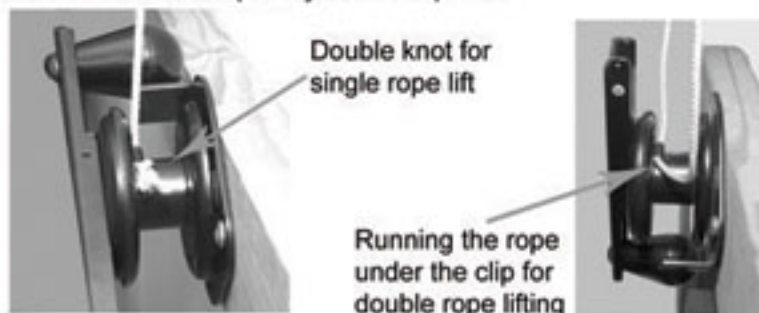
Note: Winch handle can turn and lift in either direction with equal efficiency, use the rotation direction that is most comfortable for you!

Run the rope under the clip and tie it with a double knot.

Turn crank around 4 full revolutions to secure rope.

Thread the remaining rope through the rope guide [eye hook], then through the two pulleys. Run the rope through the hole on the lifting handle and secure it with a double knot. Place the pulleys on the two ceiling hooks and wind up the excess rope onto the Mighty Lift™ turn spool in the same direction as the original four turns.

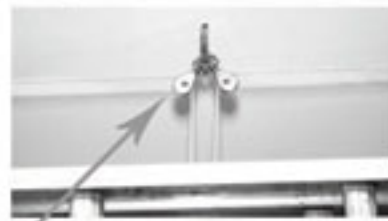
Do not exceed the capacity of the spool.



For double rope lifting:

Note: Winch handle can turn and lift in either direction with equal efficiency, use the rotation direction that is most comfortable for you!

Run the rope under the clip on the spool and pull until equal lengths of rope are on either side of the loop. Run the rope through the rope guide [eye hook] and through both sets of pulleys, being careful not to tangle or twist the rope. Hang the pulleys on the appropriate ceiling hooks. Making sure the rope is equal on both sides, run the ropes through the two lifting hooks and secure with a double knot. Turn the crank on the winch a minimum of four complete turns to secure the rope. Do not exceed the capacity of the spool.



J hook set up for a double rope lift



Testing the system:

It is very important to test the whole system with 100 pounds of dead weight before using. Raise and lower the weight at least 5 times to make sure the unit is functioning correctly. Check that both the ceiling and wall mounts are secure. Stand clear of the weight while testing.

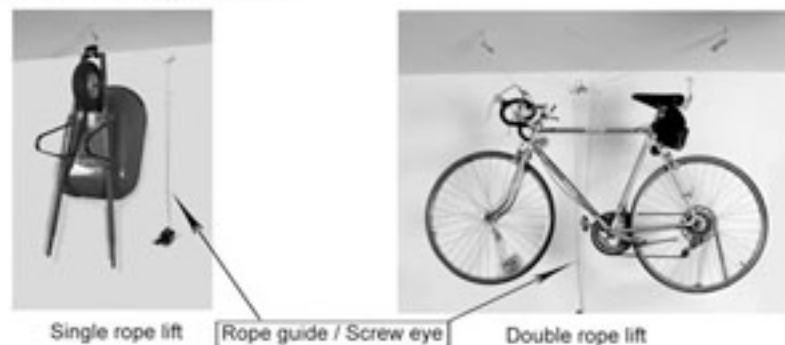
Step 4: Attaching item to be stored:

Attach items to be stored to one or two lifting hooks, depending whether you are using single or double rope lifting.

Bicycles can be lifted by placing one lift hook under the back seat and the other under the cross arm of the handle bar assembly as shown.

Many storage tub type containers have lifting indentations that the lifting hooks will fit. For items such as ladders or canoes, simply attach lift hook around any strut or edge. For uniquely shaped items such as outboard motors, lawn furniture and sports equipment; securely tie the item onto the lifting hooks.

Note: Be sure that any additional attachment device is rated to exceed 100 pounds.



Optional Step: Cushion Hooks with Foam Tape:

Separate foam into individual strips. Remove backing tape. Bend tape in half [foam to foam] press firmly to the interior of the hook walls.

Operation:

Pull winch handle open completely until it locks into place. Turn winch handle to raise or lower item being stored with constant motion.

To engage the safety lock, the handle must be closed and folded back into position.

For Safe operations, follow these important warnings:

Never exceed maximum load limit of 100 lbs.
Never let children use this device unless they are properly supervised.
Never use this device for tasks other than those indicated.
Never use this device for lifting humans or pets.
Never suspend a load above a person.
Always have a minimum of **4 full wraps around spool** before using.
Do not attempt to alter or modify the Mighty Lift™ unit - there are no serviceable parts inside.
Never tie additional rope to the supplied rope. Instead, replace the shorter rope with one continuous piece of new rope with the same size and specifications as the original.
Periodically check rope for wear or cuts and replace if damaged.
Periodically check to see that hooks are secure in joist and the Mighty Lift™ is secured to the wall.

Contact Pinpoint Products LLC (708) 487-2162 for information on ordering extra rope.

Pinpoint Products LLC is not responsible for property damage or personal injury due to improper mounting or overloading

Warranty

Pinpoint Products warrants for 5 years that if any part, excluding the rope, fails as a result of a manufacturing defect Pinpoint will, at its discretion, repair or replace the part free of charge.

This warranty covers parts damaged by normal use and does not cover parts damaged by excess use, intentional damage or modification to the Mighty Lift™.

Proof of purchase may be required for warranty service. For additional information see our web site www.pinptprod.com Additional rope in lengths up to 100' can be purchased for special applications; contact Pinpoint Products LLC (708) 487-2162.

Pinpoint Products LLC

Phone (708) 487-2162 Fax (708) 487-2012

info@pinptprod.com