Thanks for purchasing Bike Lane's "Bicycle Storage Lift". The Bicycle Storage Lift is made with the finest materials available and will provide you with many years of dependable service. 

Bike Lane Products are sold and distributed by biking commuters and enthusiast much like yourself. We know you would rather be out riding your bike than installing a bike lift. We feel with a little time and effort on your part, the bike lift will solve a few nagging problems all bikers have. First, a safe place to store your bike and second, a smart way to gain more space in the garage. The Bicycle Storage Lift utilizes the empty space in your garage or storage room that has gone to waste until now.

This is a Saturday morning project. You will need a ladder (8'-10''), a drill motor, a 3/16" drill bit, a tape measure, a stud finder and pencil. It is important that you read and comply with the instructions and safety procedures provided in this manual. When properly installed and used correctly the bike storage lift is a reliable and safe way to store your bicycle.

A word of advice. It is your responsibility to thoroughly read and comply with all the safety precautions. Failure to do so can result in bodily harm and damage to personal property or both. If you have questions or concerns at any time during the installation of this devise or while operating the lift, please contact us at www.bikelaneproducts.com. We have experts on hand that can answer your concerns and questions.

Please READ and FOLLOW the SAFETY PRECAUTIONS on the following pages.
IMPORTANT! BE SAFE! READ FIRST!

The Bicycle Storage Lift is made with the finest materials available and will provide you with many years of dependable service. It is important that you read and comply with the instructions and safety procedures provided.

- The Bicycle Storage Lift has a 100 lb. weight capacity when installed properly. Overloading the Bicycle Storage Lift can result in personal injury or property damage. Bike Lane Products are not responsible for damage or injury due to improper installation or lifting beyond hoist capacity.
- The Bicycle Storage Lift is designed to lift one bicycle only. Remove all baggage, cargo and accessories that may cause bike to exceed weight limit before lifting.

- Check handle bar and seat are securely attached to bike.
- Do not hang additional weight onto lifted bike.
- Never lift the bicycle with persons, children, or pets still on board. This could result in personal injury.
- Do not install the Bicycle Storage Lift near electrical outlets or fixtures.
- Do not install the Bicycle Storage Lift in locations where human traffic will occur.
- The Bicycle Storage Lift is intended for dry locations. Check support wood is not wet or rotten or infested with termites or other wood maladies.
- Read and familiarize yourself with the installation procedure before tackling this project.

INSTALLATION

This is a Saturday morning project. Block off two to three hours to accomplish this task. We advise you invite a friend to assist you during installation. You will need a ladder (8'-10'), a drill motor, a 3/16" drill bit, a tape measure, a stud finder and pencil. It is important that you read and comply with the instructions and safety procedures provided in this manual. When properly installed and used correctly the bike storage lift is a reliable and safe way to store your bicycle.

Step 1  Determine where to mount your Bicycle Storage Lift. You will need 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. Measure the distance from the center bar stem to the end of the handle grip. Add 5" for clearance of the side wall. (see Drawing 1, B+C=Distance)

Step 2  For best results we recommend that you attach your Bicycle Storage Lift to the wide side of a 2" x 4" or 1" x 4" four foot long board. Use four wood screws in the outer holes on each rail. Measurement "A" (Drawing 1) will determine the location of the front and back hook as shown in Drawing 2.

Step 3  The hoist and board assembly can be attached to the ceiling joist using 1/4" x 4" lag bolts with flat washers. (as shown in Drawing 2, 4) Lag bolts, washers and board not included. If the joist runs parallel (Drawing 3) you can attach directly into the joist. In this case it is recommended that you use longer bolts (1/4" x 3" lag bolts) placed in the center holes of the rail.

NOTE: It is recommended that all screw holes be pre-drilled using appropriate size bit.

Step 4  Use the B+C=Distance measurement to mount the board on the ceiling joist. Measure out from the wall and mark the joist. Hold the board in the proper position on the joist and mark the location for the lag bolts. Drill a 5/16" hole for each lag bolt in the mounting board. Next drill 1/8" pilot hole into the joist. Make sure the lag bolt is centered on the joist (Drawing 5).

Step 5  Next mount the tie down cleat to the wall. The tie down cleat must be attached to a solid wood wall stud. Mount the cleat at a comfortable height. (approx. 4 foot) You may trim excess rope when the installation is complete. Do not trim rope when hoist is in the elevated position. Lower hoist to bike height and trim leaving about three foot addition. rope. Knot and heat seal ends to prevent fraying. Now go ride!

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Alternate hanging method for low clearance ceilings

2"x4" Wood Ceiling Joist (minimum)
Drywall
4"x 3/16" Lag Bolt and Washer (4) not included

Flat side of 2"x4"
Wood Screws

2"x4" Wood Ceiling Joist (minimum)

Drywall

Lag Bolts

Tie down Cleat

A

Drawing 2

Drawing 3
Threading the Bicycle Storage Lift

Before attaching the Bicycle Storage Lift to a board you must thread the nylon rope through the pulley system. Start by threading the rope through the clutch brake device as shown in Drawing 1 below. Follow the thread route (a through f). Be sure the hooks at b and e face inward. Thread the end of the rope through the center hole in the bracket. (f) Tie a double knot to secure the end. The pulley system will help you to easily lift your bicycle. (100 lbs)

Excessive weight will cause the pulley to grind, hard to operate, fraying of the rope and possibly failure. When calculating the weight of your bicycle be sure to include all bags and accessories that might be attached to the bike when lifted. For your safety and those around you do not exceed weight limit.

Operate the brake

The Bicycle Storage Lift functions with a clutch brake. To raise or lower your bicycle, position the rope inboard towards the clutch pulley. (as in fig. 1) Using a hand over hand method slowly let the rope slide through the clutch brake lowering the bike. Releasing the rope will cause the brake to stop the hoist from lowering. (as in fig. 2) To raise your bike simply pull the rope in short strokes hand over hand until you reach the desired height. The clutch will allow rest periods if needed.

CAUTION: The lift clutch is designed to abruptly stop when you release the rope for safety purposes. Frequent dead stops will cause the nylon rope to fray. Lifting bicycles over the recommended weight limit will cause the rope to fray. Fraying will lead to eventual rope failure. If you detect any fraying, replace the entire rope with the equivalent weight and diameter nylon rope immediately. Failure to do so can lead to personal property damage or injury to yourself or others.