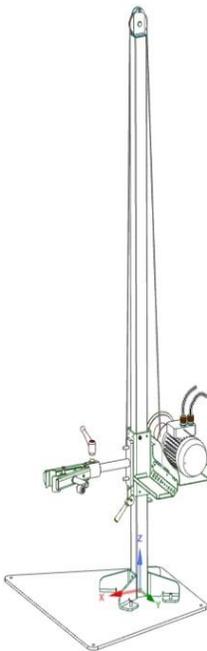




Powered Bike Lift

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Important Safety Precautions

Caution!



- Always use COMMON SENSE and stay alert when operating this unit.
- Users must understand all assembly, operation, and safety instructions before using the LouELift.
- Failure to follow these instructions may lead to minor or moderate injury.
- Always choose a mounting location that is sufficiently strong enough to withstand the maximum weight capacity of the unit (140 pounds).
- Only use this product for its sole intended purpose as a bicycle lift only. Do not use for any other purpose.
- This unit is for indoor use only.
- Do not stand on or hang on the LouELift.
- Never use the unit to move or lift any people or animals.
- People not using the LouELift should maintain a safe distance.
- Do not operate the LouELift while under the influence of drugs, alcohol, or medication.
- Keep work area around LouELift clean and free of clutter.



Moving Parts and Entanglement Hazard!



- Keep hands away from all moving parts.
- Do not wear loose clothing, neck ties, jewelry, or anything else that could get caught in moving parts. Long hair should be contained.
- Always use caution when handling motorized lift and cable.
- Unplug the LouELift from the electrical outlet before any cleaning, adjustment, maintenance or repair tasks are performed.
- Never let the wire cable slip through your hands.
- Never touch the wire cable when it is moving.
- Regularly inspect the LouELift. If the wire cable is frayed, stop use of the unit immediately and contact the manufacturer for a replacement cable. Repair or replace any worn or damaged parts before use.



Warning!



- This unit must be operated in a clean, dry area, away from any wet environments.
- Do not use the LouELift around flammable liquids or gases.
- The LouELift must be plugged into a properly installed and grounded outlet.
- Consult a qualified electrician if there is any question regarding the appropriateness of the outlet.
- If an extension cord is used, inspect the cord to make sure it is in good condition. A damaged extension cord should be replaced.

NOTICE

The Warnings, Cautions, and Instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur.

It must be understood by the operator that common sense and caution are factors that cannot be built into this product, but must be supplied by the operator.

The user of the LouELift must have an understanding of this instruction manual before operating the unit.

Warranty & Maintenance

The LouELift comes with a one year limited warranty against any manufacturing defects.

No lubrication is required for the life of the unit.

Perform a periodic inspection of the wire cable.

Inspect all bolts on the unit every few months to ensure that they are tight. Tighten any loose bolts.

Introduction

Congratulations on your purchase of the LouELift bike lift!

You have just purchased a high quality product that will provide decades of heavy duty use for maintenance on bicycles, including heavy electric bikes.

The LouELift is maintenance free, easy to use, and enables effortless and virtually unlimited lifting and adjustment angles. It is the only bike stand designed to hold more weight with a capacity of up to 140 pounds and is more stable and balanced than any other existing stand on the market.

The LouELift clamp has a fully adjustable height range from 17" to 65" (43cm -165 cm) above surface it is mounted to along with 360 degrees of rotational adjustment allowing unlimited possibilities for the mechanic.

The integrated tool tray assists with making a convenient work space, while built in safety mechanisms ensure a protective environment in which to work on bikes.

All metal parts are American made with powder coated steel and stainless steel construction.

The clamping mechanism grips nearly any tube from 7/8" to 3.25" (23–82mm), including aero tubes, and rotates 360 degrees to allow the bike to be positioned at any angle.



Assembly

The LouELift is shipped in a sturdy protective crate and should be free from damage. If any signs of damage are visible, take photographs and immediately contact info@louelift.com for assistance with damage claims.

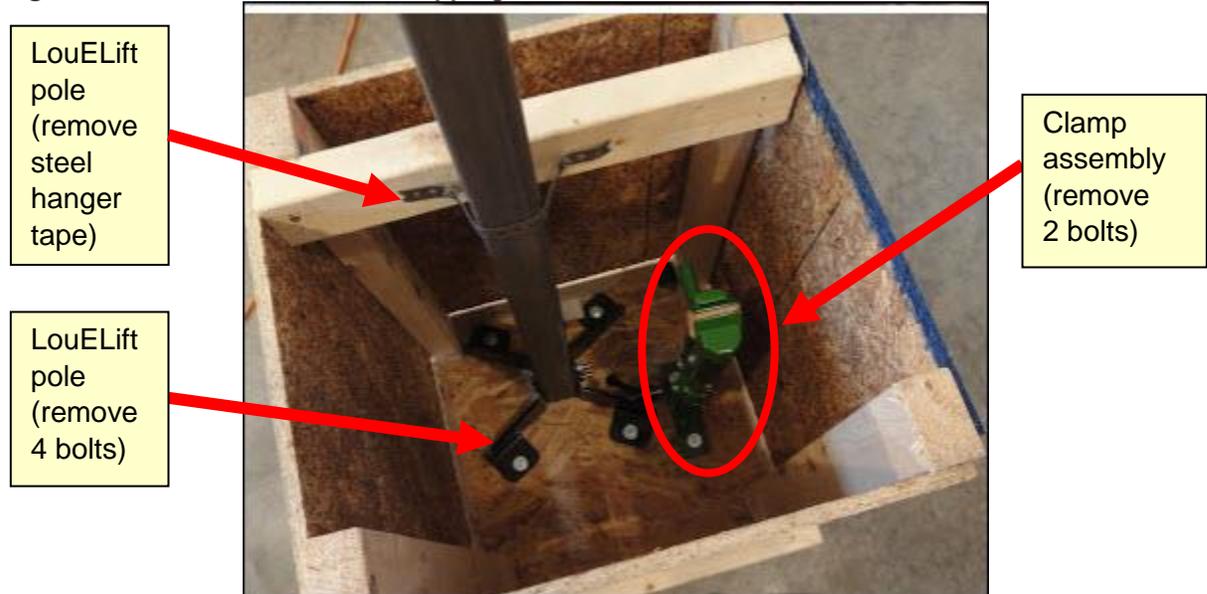
As purchased, the LouELift comes with short floor brackets, pre-attached for concrete floor installation. There are also additional installation methods using an optional steel plate, wheels, and free-standing leg assembly, which can be purchased separately.

Unpacking the Unit

When first receiving the LouELift:

1. Carefully pry apart the shipping crate around the unit.
2. Remove steel hanger tape from around the pole and discard. (See Figure 1)
3. Unbolt the pole from the shipping crate. (Four bolts securing short floor brackets) (See Figure 1)
4. Unbolt the clamp assembly from the shipping crate. (Two bolts securing clamp assembly) (See Figure 1)

Figure 1: Unbolt LouELift from shipping crate



5. Decide on the physical location where you want the LouELift to be mounted, and follow the assembly instructions below based on the mounting option you have chosen (Concrete Floor Assembly, Steel Plate Assembly, or Free-Standing Leg Assembly).

Note: The 6 Shipping bolts are not needed after removal and are only used for shipping the unit; you can discard these 6 bolts.

Concrete Floor Assembly (Standard)

The LouELift comes with short floor brackets that need to be bolted to a concrete floor. You must use the appropriate hardware (not included) to secure the short floor brackets directly to a concrete floor.

Suggested hardware is ½" x 3" steel hex nut sleeve anchors designed for concrete. However, each installation is unique and may require different fastening techniques depending on the substrate on which the LouELift is installed.

To mount the unit to a concrete floor:

1. Position the LouELift with attached short floor brackets in the mounting location you want on the concrete floor.
2. Use a marker to mark the concrete through the holes in each short floor bracket as a drilling template.
3. Using the sleeve anchor manufacturer's installation instructions, install the anchors into the concrete and secure the LouELift short floor brackets to the concrete floor. Tighten bolts appropriately to secure the LouELift in place.
4. Follow the instructions for the Limit Switch Stud Assembly.

Steel Plate Assembly (Optional Purchase)

The steel plate is a separate purchase as a different mounting option, which enables the LouELift to be free-standing on top of the plate instead of needing to drill anchors into concrete.

Figure 2: Optional Steel Plate



Figure 3: Bolt, washer, and nut for steel plate assembly (Quantity of 4)



To mount the LouELift on the steel plate:

1. Stand the steel plate on its edge and insert the four bolts through the steel plate so that the head of the screw is recessed into the hole and flush (flat) against the plate.
2. Attach washers and nuts (hand tight) on the opposite side of the plate. (See Figure 4)

Figure 4: Plate on edge; insert 4 bolts, then washers and nuts



3. Set the steel plate in desired location on floor with the bolts sticking upright. (The flat head of each bolt will be recessed in the underside of the steel plate. See Figure 5.)

Figure 5: Steel plate on floor with bolts sticking upright



Figure 6: Completed Steel Plate assembly



4. After the steel plate is set flat on the floor, remove the nuts and washers from the 4 bolts.

(The nuts and washers were used temporarily to keep the bolts from falling out before setting on the floor.)

5. Carefully set the LouELift repair stand on the steel plate and line up the holes in the short floor brackets with the 4 bolts in the steel plate.
Note: The front of the plate shows more surface area.

6. Install a washer on each bolt and then install the 4 nuts.

7. Tighten the nuts to secure the unit to the steel plate. (See Figure 6)

8. Follow the instructions for the Limit Switch Stud Assembly.

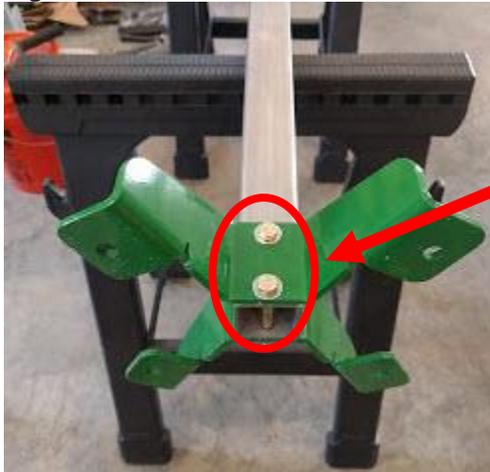
Free-Standing Leg Assembly (Optional Purchase)

The free-standing legs (one long and one short) can be purchased separately as a different mounting option, which enables the unit to be free-standing without the need to drill bolts into concrete. The longer leg must be mounted on the front of the LouELift, and the shorter leg must be mounted on the back side.

To mount the LouELift using the free-standing leg assembly:

1. Lay the LouELift horizontally (a pair of saw horses work well) to expose the two (2) bolts attached to the short floor brackets. (See Figure 7)

Figure 7: Standard short floor brackets



Remove the
2 bolts,
2 nuts, and
2 washers

2. Remove existing mounting hardware (2 bolts, 2 washers, and 2 nuts) and set aside for reassembly in next step. Save the short floor brackets in case you need a different mounting option in the future.
3. Install the new free-standing leg assembly with the long leg on the front and the short leg on the back side of the unit. Assemble the hardware loosely. (see Figure 8)
4. Set the unit upright and use a level to square the stand.
5. Tighten the bolts to 20 ft/lbs (27nm).

Figure 8: Free-standing Leg Assembly



6. Follow the instructions for the Limit Switch Stud Assembly.

Limit Switch Stud Assembly

IMPORTANT!

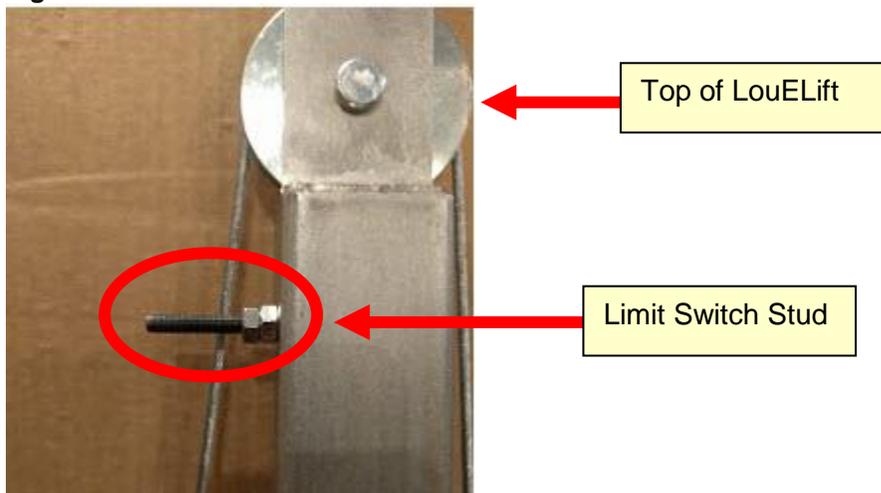
This assembly is critical for proper functioning of the entire LouELift unit! The Limit Switch Stud stops the unit from traveling over the top of the pole. If this Limit Switch Stud is not properly installed, you will void the warranty!

After the LouELift is mounted, you will need to install the Limit Switch Stud (bolt). The Limit Switch Stud already contains the two nuts screwed onto the end. You do not need to move the nuts.

To install the Limit Switch Stud:

1. Insert the short end of the Limit Switch Stud (with the two nuts already screwed on toward the one end) into the hole at the top of the LouELift pole and screw in clockwise. Secure with the 2 nuts resting against the pole (See Figure 9). Do not over tighten in post! (Maximum of 5nm).

Figure 9: Limit Switch Stud



2. Follow the instructions for the Mounting Clamp Assembly.

Additional information and video instructions for assembly and operation can be found on the LouELift product page at www.louelift.com.

Mounting Clamp Assembly

After mounting the LouELift to a concrete floor, optional steel plate, or optional free standing leg assembly, you must assemble the mounting clamp. It is important to assemble the mounting clamp onto the repair stand in the proper order!

To assemble the mounting clamp:

1. Install clamp mechanism to unit with supplied and labeled hardware: two (2) flat washers and two (2) nuts (See Figure 10). Install two washers first, then install two nuts and tighten securely.

Figure 10: Install washers and nuts to mounting clamp



2. Slide the thimble completely over the upper nut. (See Figure 11)

Figure 11: Slide thimble over upper nut



-
3. Add the large flat washer and locking nut. Then tighten. (See Figure 12)

Figure 12: Add large washer and locking nut

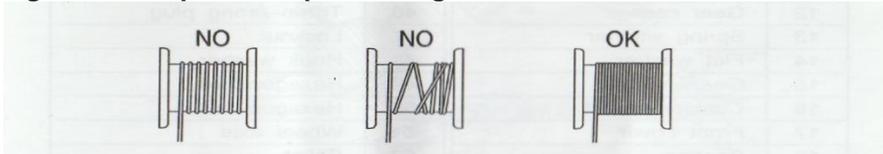


4. The LouELift is now ready for use! Refer to the Operation section.

Operation

Before Use: Always inspect the wire cable to make sure it is wound correctly around the drum.
(See Figure 13)

Figure 13: Proper cable positioning around drum



Note: Clamping pressure is fully adjustable to prevent damage to thin wall tubing.

Excessive clamping pressure can damage thin wall tubing. Before clamping, clean the bike frame tube to prevent damage to bike finish and if necessary, consult bicycle manufacturer for suggested clamping location.

Using the Red Emergency Stop Button

The LouELift unit includes several built-in safety devices, including the red emergency stop button. If at any time you need to stop the unit suddenly, press the large red emergency stop button on the Remote Switch.

Figure 14: Red Emergency Stop Button (on Remote Switch)



Press Red Emergency Button to **STOP** LouELift!

To re-engage the unit for operation, rotate the Red Emergency Stop Button **clockwise**.

Mounting and Clamping the Bike

To mount and clamp the bike onto the LouELift:

1. Raise or lower the clamp assembly to the position needed for mounting the bike:
 - a. **To raise the clamp assembly:**
Press the rocker switch upward on the Remote Switch to raise the clamp assembly. (See Figure 16)
 - b. **To lower the clamp assembly:**

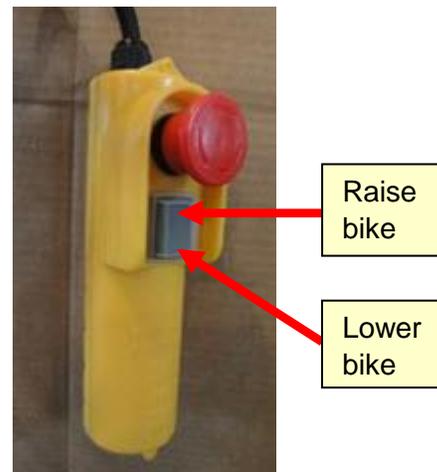
IMPORTANT! Cable must be tight with no slack before lowering unit.

Lift the safety brake lever up first (See Figure 15) while simultaneously pressing the rocker switch downward on the Remote Switch to lower the clamp assembly. (See Figure 16)

Figure 15: Safety Brake Lever

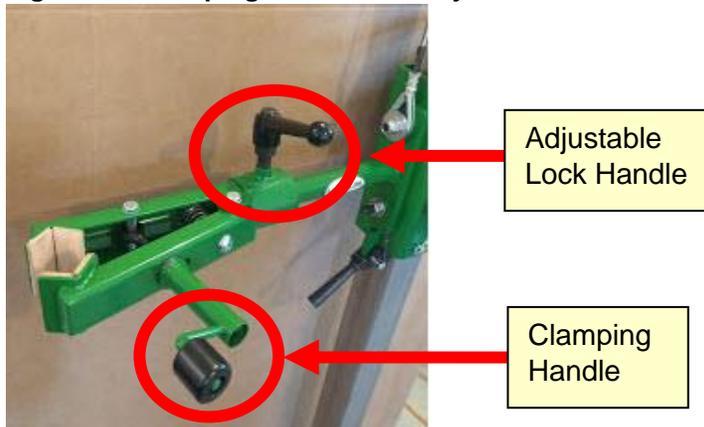


Figure 16: Remote Switch



2. When the clamp assembly is in the position you want, open the clamp jaws by rotating the Clamping Handle counterclockwise. (See Figure 17)

Figure 17: Clamping Handle and Adjustable Lock Handle



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3. Mount the bike in the clamp assembly jaws by inserting the bike frame tube or seatpost into the clamp. (See Figure 18)

Figure 18: Bike in clamp jaws



4. Rotate the Clamping Handle clockwise to tighten the clamp. (Be careful not to damage any bike components.) (See Figure 17)
5. To rotate the bike while mounted in the clamp assembly, loosen the Adjustable Lock Handle by turning it counterclockwise. Then position the bike as desired and then tighten again by turning the Adjustable Lock Handle clockwise.

Troubleshooting

| # | Trouble | Reason | Solution |
|---|--|---|--|
| 1 | LouELift does not work; doesn't turn on | Unit not plugged in. Emergency knob accidentally pressed in. | Plug in unit. Rotate red emergency knob clockwise. |
| 2 | Cable is loose | Unit was lowered while brake lever was on. | Raise lift until cable is tight. |
| 3 | Excessive play in vertical slide bar | Brass bearing gaps between slide and post are preset at factory | Adjust gap in brass bearings. Contact manufacturer. |
| 4 | Cable is frayed | Unit has exceeded weight limit. | Immediately stop using unit and contact manufacturer for replacement part. |



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