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CM LSB-6000B-5

CM Coffing LSB-B Ratchet Lever Hoist User Manual

Model: LSB-6000B-5

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1. INTRODUCTION

This manual provides essential information for the safe and effective use of the CM Coffing LSB-B Stamped Steel Ratchet Lever Hoist, model LSB-6000B-5. This hoist is designed for lifting, pulling, and tensioning applications in construction and commercial environments. Please read and understand all instructions before operating the hoist.



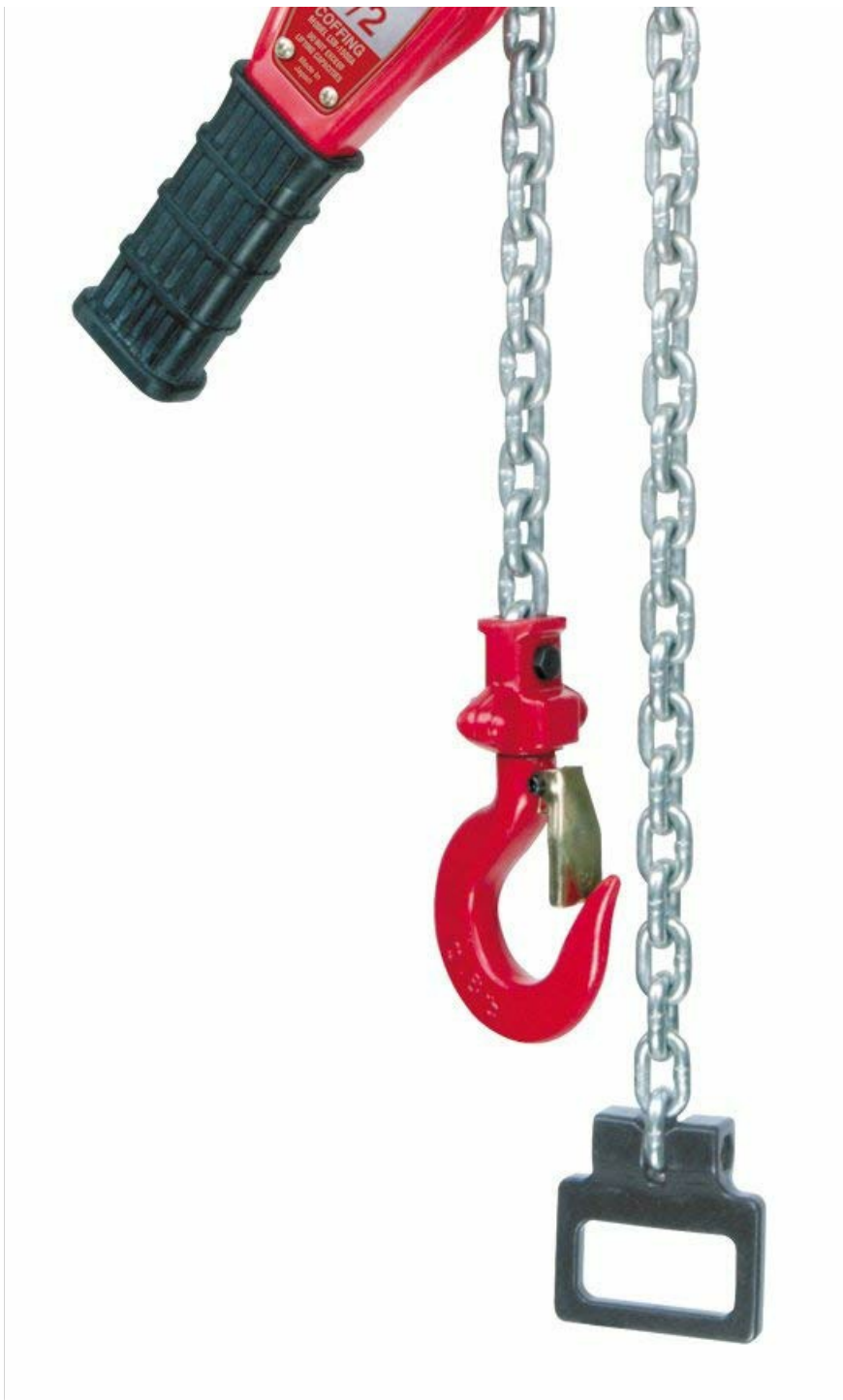


Figure 1: CM Coffing LSB-B Ratchet Lever Hoist. This image displays the Coffing LSB-B ratchet lever hoist. It features a red stamped steel housing, a black cushioned grip handle, a black selector knob, and two lengths of silver load chain terminating in a top hook and a bottom hook with a safety latch.

2. SAFETY INFORMATION

WARNING: Failure to follow these safety instructions can result in serious injury or death. Always prioritize safety when operating lifting equipment.

General Safety Precautions:

- Do not exceed the rated capacity of 6000 lbs (3 tons).
- Inspect the hoist, chain, and hooks before each use for wear, damage, or deformation. Do not use if any damage is found.
- Ensure the load is properly secured and balanced before lifting.
- Never stand under a suspended load.

- Keep hands and clothing clear of moving parts.
- Operate the hoist with a firm grip on the cushioned handle.
- Do not use the hoist for personnel lifting.
- Ensure the work area is clear of obstructions and personnel.
- Avoid shock loading. Lift and lower loads smoothly.
- Do not modify the hoist or its components.
- If equipped, the optional load limiter will alert the operator of a possible overload by allowing the handle to rotate without lifting the load. Do not attempt to force the hoist if the load limiter activates.

3. SETUP

Pre-Operation Checklist:

1. **Inspect Hoist:** Verify that the hoist body, chain, hooks, and safety latches are free from damage, corrosion, or excessive wear.
2. **Check Chain:** Ensure the load chain is not twisted, kinked, or damaged.
3. **Verify Capacity:** Confirm the hoist's rated capacity (6000 lbs / 3 tons) is suitable for the intended load.
4. **Secure Mounting Point:** Attach the top hook securely to a structural member capable of supporting the hoist and the maximum intended load. Ensure the safety latch is fully engaged.
5. **Position Load:** Position the bottom hook directly over the center of gravity of the load. Attach the bottom hook to the load, ensuring the safety latch is fully engaged.

The compact design and 360-degree rotating handle allow for versatile rigging options, especially in confined spaces. Ensure adequate clearance for handle operation.

4. OPERATING INSTRUCTIONS

Operating Modes:

The hoist features a selector knob to switch between lifting, lowering, and free-chaining modes.

- **Lifting:** Turn the selector knob to the "Up" position. Operate the handle with short, steady strokes to lift the load.
- **Lowering:** Turn the selector knob to the "Down" position. Operate the handle with short, steady strokes to lower the load. The enclosed screw-and-disc type load brake ensures positive load positioning.
- **Free Chaining:** For quick positioning of slack chain without a load, turn the selector knob to the "Neutral" or "Free" position. This state-of-the-art free-wheeling mechanism allows for one-handed take-up. **Do not free chain with a load attached.**

General Operation:

- Apply steady, even force to the cushioned-grip handle. The double reduction gearing minimizes handle effort.
- Ensure the load moves smoothly and predictably.
- Never leave a suspended load unattended.
- When lifting or lowering, ensure the chain is feeding correctly and not binding.
- After operation, ensure the load is safely supported or resting on a stable surface before disengaging the hoist.

5. MAINTENANCE

Regular maintenance is crucial for the safe and efficient operation of your Coffing LSB-B hoist.

Inspection Schedule:

- **Before Each Use:** Perform a visual inspection of the entire hoist, including chain, hooks, latches, and housing for any signs of damage or wear.
- **Monthly:** Conduct a more thorough inspection, checking for loose fasteners, proper brake function, and smooth operation of the chain and gearing.
- **Annually:** A qualified technician should perform a comprehensive inspection and lubrication according to manufacturer guidelines.

Lubrication:

Lubricate the load chain periodically with a light machine oil to prevent corrosion and ensure smooth operation. Consult a qualified technician for internal lubrication requirements.

Storage:

Store the hoist in a clean, dry environment when not in use to prevent rust and damage.

6. TROUBLESHOOTING

Common Issues and Solutions

Problem	Possible Cause	Solution
Hoist will not lift/lower load.	Overload (load limiter activated), selector knob in wrong position, damaged internal components.	Reduce load to within capacity. Check selector knob position. If problem persists, discontinue use and contact qualified service personnel.
Chain binds or jams.	Twisted or kinked chain, foreign material in chain path, worn chain.	Lower load, untwist chain. Clear any obstructions. Inspect chain for wear and replace if necessary.
Excessive handle effort.	Overload, lack of lubrication, internal component wear.	Reduce load. Lubricate chain. If problem persists, contact qualified service personnel.
Load slips or drifts.	Worn brake components, contaminated brake.	Immediately secure load. Discontinue use and contact qualified service personnel for brake inspection and repair.

For issues not listed or if solutions do not resolve the problem, contact CM customer support or a certified service center.

7. SPECIFICATIONS

CM Coffing LSB-B Ratchet Lever Hoist (Model LSB-6000B-5)

Feature	Detail
Model Number	LSB-6000B-5
Rated Capacity	6000 lbs (3 tons)
Standard Lift Height	5 feet
Lever Length	14-9/16 inches
Minimum Distance Between Hooks	16-15/16 inches
Average Handle Effort	75 lbs
Net Weight	35 lbs
Load Chain Strands	1
Housing Material	Stamped Steel, Impact Resistant
Features	Double reduction gearing, cushioned-grip handle, 360-degree rotating handle, free-wheeling mechanism, enclosed screw-and-disc type load brake, optional load limiter.

8. WARRANTY AND SUPPORT

Warranty Information:

The CM Coffing LSB-B Ratchet Lever Hoist comes with a **Lifetime Warranty**. This warranty covers defects in material and workmanship under normal use and service. For specific terms and conditions, please refer to the official CM warranty documentation or contact customer support.

Customer Support:

For technical assistance, parts, or warranty claims, please contact CM customer support. Visit the official CM Store on Amazon or the manufacturer's website for contact details.