

HARRINGTON LX005-10

Harrington 1/2 Ton LX Lever Puller Hoist

MODEL: LX005-10

Instruction Manual

1. Introduction

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Harrington 1/2 Ton LX Lever Puller Hoist, Model LX005-10. The LX series hoists are designed for portability and durability, suitable for various lifting and pulling applications. Please read this manual thoroughly before using the hoist to ensure proper understanding and to prevent injury or damage.

2. Safety Information

WARNING: Failure to follow these safety instructions may result in serious injury or death.

- Always inspect the hoist before each use for any signs of damage, wear, or malfunction. Do not use if damaged.
- Never exceed the rated capacity of 1/2 ton (1000 lbs).
- Ensure the load is properly secured and balanced before lifting or pulling.
- Do not use the hoist for lifting people or loads over people.
- Keep hands and clothing clear of moving parts, especially the chain and hooks.
- Operate the hoist with a firm grip on the handle, maintaining control of the load at all times.
- Avoid shock loading. Apply force smoothly and gradually.
- Ensure the anchor point for the hoist is strong enough to support the load plus the hoist's weight.
- Do not modify the hoist or use non-original replacement parts.

3. Components

The Harrington LX005-10 lever puller hoist consists of several key components:

- **Load Chain:** The chain that supports and moves the load.

- **Hooks:** Upper hook for anchoring, lower hook for attaching to the load. Both are equipped with safety latches.
- **Operating Handle:** Used to engage the internal mechanism for lifting or lowering.
- **Reversing Lever:** Changes the direction of the chain movement (lift or lower).
- **Freewheel Mechanism:** Allows for quick adjustment of the chain when not under load.



This image shows the Harrington LX005-10 lever puller hoist, highlighting its compact design and main components such as the handle, chain, and hooks.

4. Setup

1. **Inspect the Hoist:** Before each use, visually inspect the hoist for any damage, cracks, bends, or excessive wear on the chain, hooks, safety latches, and housing. Ensure the handle operates smoothly.
2. **Secure Anchor Point:** Attach the upper hook securely to a suitable anchor point that is rated to safely support the intended load. Ensure the safety latch is fully closed.
3. **Attach Load:** Attach the lower hook to the load. Ensure the load is centered in the hook and the safety latch is fully closed. Avoid tip loading or side loading the hook.
4. **Adjust Chain Length (Freewheel):** If the chain is not under load, you can use the freewheel mechanism (if applicable) to quickly adjust the chain length to reach the load. Refer to the specific instructions on your hoist for engaging and disengaging the freewheel.

5. Operating Instructions

To operate the Harrington LX005-10 hoist:

1. **Lifting a Load:**
 - Ensure the reversing lever is set to the 'UP' or 'LIFT' position.
 - Operate the handle with smooth, steady strokes. Each stroke will incrementally lift the load.

- Monitor the load and hoist for any unusual sounds or movements.

2. Lowering a Load:

- Ensure the reversing lever is set to the 'DOWN' or 'LOWER' position.
- Operate the handle with smooth, steady strokes. Each stroke will incrementally lower the load.
- Control the descent carefully to prevent sudden drops or uncontrolled movement.

3. **Securing a Load:** When the load is at the desired height or position, ensure the handle is released, and the internal braking mechanism holds the load securely. Never leave a suspended load unattended for extended periods.

6. Maintenance

Regular maintenance ensures the longevity and safe operation of your hoist.

- **Cleaning:** Keep the hoist clean and free from dirt, dust, and debris. Use a clean cloth to wipe down external surfaces.
- **Lubrication:** Periodically lubricate the load chain and internal moving parts with a light machine oil or a lubricant recommended for hoists. Avoid over-lubrication, which can attract dirt.
- **Inspection:** Conduct thorough inspections regularly (e.g., monthly or quarterly, depending on usage frequency). Check for:
 - Wear or deformation of hooks and safety latches.
 - Corrosion, nicks, or stretched links in the load chain.
 - Loose fasteners or bolts.
 - Smooth operation of the handle and reversing lever.
- **Storage:** Store the hoist in a clean, dry place, protected from extreme temperatures and corrosive environments.

7. Troubleshooting

Below are common issues and their potential solutions:

| Problem | Possible Cause | Solution |
|-----------------------------|---|---|
| Hoist not lifting/lowering | Reversing lever in wrong position; Hoist overloaded; Internal mechanism jammed. | Check lever position; Reduce load (if overloaded); Inspect for obstructions, contact service if jammed. |
| Chain jams or slips | Damaged chain links; Dirt/debris in mechanism; Improper chain alignment. | Inspect chain for damage, clean mechanism, ensure chain is properly seated. |
| Handle difficult to operate | Lack of lubrication; Internal wear/damage; Hoist overloaded. | Lubricate moving parts; Inspect for wear; Reduce load. |
| Load not holding | Brake mechanism wear/damage; Overload. | Immediately secure load by other means; Do not use hoist; Contact qualified service personnel. |

For issues not listed or if solutions do not resolve the problem, discontinue use and contact a qualified service technician.

8. Specifications

| Specification | Value |
|---------------------|------------|
| Manufacturer | Harrington |
| Part Number | LX005-10 |
| Item Weight | 7.2 pounds |
| Item Model Number | LX |
| Size / Capacity | 1/2 Ton |
| Lift Height | 10 ft |
| Batteries Required? | No |

9. Warranty and Support

For warranty information, technical support, or to purchase replacement parts, please contact Harrington customer service or visit their official website. Keep your purchase receipt as proof of purchase.