

Jack Boss AS-YDCX

Jack Boss Hard Top Removal Lift (Model AS-YDCX) Instruction Manual

For Jeep Wrangler JK & JL Models

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1. INTRODUCTION

This manual provides detailed instructions for the safe and effective installation and operation of your Jack Boss Hard Top Removal Lift, Model AS-YDCX. This hoist system is designed to assist in the removal and storage of hardtops for Jeep Wrangler JK and JL models, accommodating ceiling heights from 8 to 16 feet. Please read this manual thoroughly before attempting installation or operation.

2. SAFETY INFORMATION

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

- Always ensure the hoist is securely mounted to a structurally sound ceiling or beam capable of supporting the weight of your hardtop plus a safety margin. Consult a professional if unsure.
- Verify all connections and ropes are properly secured and free from wear or damage before each use.
- Do not exceed the maximum weight capacity of the hoist. Refer to the Specifications section for details.
- Keep hands and clothing clear of moving parts during operation.
- Ensure the area beneath the hardtop is clear of people and obstructions during lifting and lowering.
- The hoist features an anti-drop system. Familiarize yourself with its operation to prevent accidental release.
- Operate the hoist slowly and deliberately. Avoid sudden movements.
- Store the hardtop in a stable, elevated position when not in use, ensuring it is out of the way of traffic and potential impacts.

3. PACKAGE CONTENTS

Carefully unpack all components and verify that all items listed below are present and undamaged. If any parts are

missing or damaged, contact Jack Boss customer support.



Image: All components included in the Jack Boss Hard Top Removal Lift kit, laid out for inspection. This includes ropes, pulleys, mounting hardware, and straps.

- Hoist Pulley System (with self-locking cleat)
- Ropes (main lifting rope, secondary ropes)
- Mounting Hardware (lag bolts, eye bolts, washers)
- Hardtop Straps (adjustable)
- Mounting Plates
- Instruction Manual (this document)

4. SETUP & INSTALLATION

Proper installation is critical for safe operation. Ensure you have appropriate tools (drill, stud finder, wrench, measuring tape) and understand your garage ceiling structure before proceeding.

4.1. Identify Mounting Location

Locate sturdy wooden ceiling joists or beams where the hoist will be installed. The mounting points should be spaced to accommodate the dimensions of your Jeep Wrangler hardtop. Ensure there is sufficient clearance for the hardtop to be lifted without obstruction.

4.2. Install Mounting Hardware

1. Mark the drilling locations on the ceiling joists.
2. Drill pilot holes appropriate for the provided lag bolts.
3. Securely fasten the eye bolts and mounting plates to the ceiling using the lag bolts and washers. Ensure all bolts are tightened firmly.

4.3. Assemble Pulley System

Thread the ropes through the pulley system as illustrated in the diagram below. The main lifting rope should pass through the self-locking cleat mechanism.



Image: Close-up view of the hoist pulley system, highlighting the self-locking cleat and rope routing. A Jeep hardtop is shown suspended by

the hoist.

The self-locking cleat is designed to grip the rope instantly if tension is released, preventing accidental drops. Ensure the rope is correctly seated within this mechanism.

4.4. Attach Hardtop Straps

Attach the hardtop straps to the hoist system. Position the straps to cradle the hardtop securely, distributing the weight evenly. Adjust the strap length to ensure the hardtop remains level during lifting.

5. OPERATING INSTRUCTIONS

This hoist system is designed for one-person operation. Follow these steps carefully to lift and lower your hardtop.

5.1. Lifting the Hardtop

1. **Position Vehicle:** Park your Jeep Wrangler directly underneath the installed hoist system.
2. **Attach Straps:** Securely attach the hardtop straps to your hardtop. Double-check that the straps are properly positioned and tightened to prevent slippage.
3. **Initiate Lift (Step 1 - Pull and Lift Slowly):** Grasp the main lifting rope. Pull the rope downwards slowly and steadily to begin lifting the hardtop. Observe the hardtop to ensure it lifts evenly and remains stable.
4. **Engage Lock (Step 2 - Loose and Lock Automatically):** Once the hardtop reaches the desired height, or if you need to pause, release tension on the rope. The self-locking cleat will automatically engage, holding the hardtop in position.

STEP 1

- Pull and Lift Slowly



STEP 2

- Loose and Lock Automatically



STEP 3

- Release and Descend Slowly



Image: A visual guide showing the three operational steps of the hoist: pulling the rope to lift, releasing to lock, and manipulating the cleat to lower.



Image: A person demonstrating the one-person operation of the hardtop hoist, lifting a Jeep hardtop towards the garage ceiling.

5.2. Lowering the Hardtop (Step 3 - Release and Descend Slowly)

1. **Prepare for Descent:** Ensure the vehicle is correctly positioned beneath the hardtop.
2. **Release Lock:** While maintaining a firm grip on the main lifting rope, gently push the release lever on the self-locking cleat. This will disengage the lock.
3. **Control Descent:** Slowly and carefully allow the rope to feed through the cleat, lowering the hardtop onto the vehicle. Maintain control of the rope at all times to prevent rapid descent.
4. **Detach Straps:** Once the hardtop is securely seated on the vehicle, detach the straps from the hardtop.

6. MAINTENANCE

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

- **Inspect Ropes:** Periodically check the ropes for fraying, cuts, or excessive wear. Replace ropes immediately if any damage is observed.

- **Check Pulleys:** Ensure pulleys rotate freely and are not seized or damaged. Lubricate if necessary with a light lubricant.
- **Verify Mounting Hardware:** Regularly inspect all mounting bolts and connections for tightness. Retighten any loose hardware.
- **Clean Components:** Keep the hoist components clean and free of dirt and debris.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Hardtop does not lift smoothly or is difficult to lift.	Ropes are tangled or rubbing; pulleys are stiff; excessive friction.	Check rope routing for obstructions. Inspect pulleys for smooth operation and lubricate if needed. Ensure hardtop weight is within limits.
Hardtop does not stay locked in position (slips).	Self-locking cleat is not engaging properly; rope is worn or incorrect type.	Ensure the rope is correctly seated in the cleat. Inspect the cleat mechanism for damage. Replace worn rope.
Difficulty lowering the hardtop (release mechanism stuck).	Release lever is not fully depressed; rope is under too much tension or misaligned.	Ensure the release lever is fully actuated. Apply slight upward tension on the rope while pressing the release lever to relieve pressure on the mechanism. Check for any obstructions around the cleat.
Hardtop is unbalanced during lifting/lowering.	Straps are unevenly adjusted; hardtop is not centered.	Adjust the hardtop straps to ensure even weight distribution. Reposition the vehicle or hardtop to be centered under the hoist.

8. SPECIFICATIONS

- **Model:** AS-YDCX
- **Brand:** Jack Boss
- **Material:** Metal components, durable ropes
- **Compatibility:** All 2-4 door Jeep Wrangler JK & JL models
- **Maximum Lifting Height:** 16 feet (accommodates ceiling heights from 8 to 16 feet)
- **Operation:** One-person operation
- **Safety Features:** Patented auto-lock anti-drop system, self-leveling design

9. WARRANTY & SUPPORT

9.1. Manufacturer's Warranty

The Jack Boss Hard Top Removal Lift (Model AS-YDCX) is covered by a **1-Year Manufacturer's Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from misuse, accident, modification, or improper installation. For warranty claims, please retain your proof of purchase.

9.2. Customer Support

If you have any questions regarding the installation, operation, maintenance, or troubleshooting of your Jack Boss Hard Top Removal Lift, please contact Jack Boss customer support. Refer to the product packaging or the official Jack Boss

website for current contact information.

For additional resources and product information, visit the[Jack Boss Store on Amazon](#).

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Ask a question about this manual

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Example: How do I reset this device or fix this error?

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Model number, symptoms, what you tried, or the section of the manual you are using.

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