

KATOOL AKX66

KATOOL Portable Mid-Rise Scissor Lift AK-X66 User Manual

Model: AK-X66 | Capacity: 6000 LBS

1. INTRODUCTION

This user manual provides essential information for the safe and efficient operation, installation, and maintenance of your KATOOL Portable Mid-Rise Scissor Lift, Model AK-X66. Designed for automotive shops, home garages, and industrial use, this lift offers a robust 6000 LBS lifting capacity and a maximum lifting height of 48 inches. Please read this manual thoroughly before operating the equipment to ensure proper use and to prevent injury or damage.

2. SAFETY INFORMATION

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

- Always read and understand the entire manual before operating the lift.
- Ensure the lift is placed on a level, solid, and non-slip surface capable of supporting the lift's weight plus the maximum rated load.
- Do not exceed the maximum lifting capacity of 6000 LBS (2721 kg).
- Ensure the vehicle is properly centered and stable on the lift pads before raising. Use appropriate vehicle lifting points.
- Never work under a lift that is not properly secured by its mechanical safety locks.
- Keep hands, feet, and clothing clear of moving parts.
- Do not operate the lift if any part is damaged or malfunctioning. Contact KATOOL support for replacement parts.
- Only trained and authorized personnel should operate this equipment.
- Wear appropriate personal protective equipment (PPE), including safety glasses and steel-toed boots.
- Disconnect power before performing any maintenance or repairs.
- Keep the work area clean and well-lit.

3. PACKAGE CONTENTS

Upon unpacking, verify that all components are present and undamaged. If any items are missing or damaged, contact your supplier immediately.

- KATOOL Portable Mid-Rise Scissor Lift (AK-X66)

- Hydraulic Power Unit
- Lift Pads and Extensions
- Hydraulic Hoses and Fittings
- Operating Manual (this document)
- Assembly Hardware



Figure 3.1: Main components of the KATOOL AK-X66 Scissor Lift, including the lift frame and separate hydraulic power unit.

4. SPECIFICATIONS

Specification	Value
Model	AK-X66
Brand	KATOOL
Load Capacity	6000 LBS (2721 kg)
Max. Lifting Height	48 inches (121.9 cm)
Color	Red
Automotive Fit Type	Universal Fit
UPC	618716725171



Figure 4.1: The KATOOL AK-X66 Scissor Lift demonstrating its maximum lifting height of 48 inches.



Figure 4.2: The KATOOL AK-X66 Scissor Lift supporting a vehicle, highlighting its 6000 LBS lifting capacity.

5. SETUP AND INSTALLATION

Proper setup is crucial for the safe and effective operation of your scissor lift. Follow these steps carefully.

5.1 Site Preparation

- Choose a level, concrete floor with sufficient strength to support the lift and maximum load.
- Ensure adequate overhead clearance for the maximum lifting height of 48 inches plus the height of the vehicle.
- Provide sufficient clear space around the lift for safe operation and movement.

5.2 Assembly

1. Unpack all components and verify against the package contents list.
2. Position the main lift frame in the desired location.
3. Connect the hydraulic hoses from the lift to the hydraulic power unit. Ensure all connections are tight and free of leaks.
4. Fill the hydraulic power unit reservoir with appropriate hydraulic fluid (not included). Consult the power unit manual for fluid type and capacity.
5. Connect the power unit to a suitable electrical supply as per its specifications.
6. Install the adjustable lift pads onto the lift arms. These pads can be adjusted to fit various vehicle frame points.



Figure 5.1: Top view of the KATOOL AK-X66 Scissor Lift, illustrating the hydraulic cylinders and structural frame in the lowered position.



Figure 5.2: Detail of an adjustable lift pad, designed to accommodate various vehicle lifting points.

6. OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation of your KATOOL Scissor Lift.

6.1 Pre-Operation Checklist

- Ensure the lift is on a level surface.
- Check hydraulic fluid level.
- Inspect hydraulic hoses and connections for leaks or damage.
- Verify all safety locks are functioning correctly.
- Clear the area around the lift of any obstructions.

6.2 Lifting a Vehicle

1. Carefully drive the vehicle onto the lift, ensuring it is centered and positioned correctly over the lift pads.
2. Adjust the lift pads to contact the vehicle's designated lifting points. Ensure stable contact.
3. Activate the "UP" button on the hydraulic power unit. The lift will begin to raise.
4. Raise the vehicle slowly, observing its stability. If any instability is noted, lower the vehicle immediately and re-position.
5. Once the desired height is reached, engage the mechanical safety locks. The lift is equipped with multiple locking positions.
6. Slightly lower the lift onto the safety locks by pressing the "DOWN" button briefly until the weight rests on the locks. This ensures the vehicle is securely supported.

7. Before working under the vehicle, gently shake the vehicle to confirm it is stable on the lift.



Figure 6.1: Detail of the mechanical safety locking mechanism, crucial for securing the lift at desired heights.

6.3 Lowering a Vehicle

1. Ensure the area beneath and around the vehicle is clear of personnel and obstructions.
2. Slightly raise the lift off the safety locks by pressing the "UP" button for a short duration.
3. Disengage the mechanical safety locks. Refer to the specific mechanism on your lift for proper disengagement.
4. Press the "DOWN" button on the hydraulic power unit. The lift will slowly descend.
5. Once the lift is fully lowered, carefully drive the vehicle off the lift.

7. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your KATOOL Scissor Lift.

7.1 Daily Checks

- Inspect for any visible damage, leaks, or loose connections.
- Check the hydraulic fluid level.
- Ensure safety locks engage and disengage smoothly.

7.2 Monthly Checks

- Lubricate all pivot points and moving parts with appropriate grease.
- Check all bolts and fasteners for tightness.
- Inspect hydraulic hoses for wear, cracks, or bulges.

7.3 Annual Maintenance

- Replace hydraulic fluid.
- Inspect all structural components for signs of fatigue or corrosion.
- Have a qualified technician perform a thorough inspection and service.

8. TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your scissor lift.

Problem	Possible Cause	Solution
Lift does not raise	No power to hydraulic unit; Low hydraulic fluid; Air in hydraulic system; Malfunctioning pump.	Check power connection and circuit breaker; Fill hydraulic fluid to proper level; Bleed air from system; Contact KATOOL support.
Lift lowers slowly or erratically	Air in hydraulic system; Leaking hydraulic hose/fitting; Worn seals in cylinders.	Bleed air from system; Inspect and tighten/replace leaking components; Contact KATOOL support for seal replacement.
Safety locks not engaging	Obstruction; Damaged mechanism; Misalignment.	Clear obstruction; Inspect mechanism for damage; Ensure lift is level; Contact KATOOL support.

9. WARRANTY AND SUPPORT

KATOOL stands behind the quality of its products. For warranty information, technical support, or to order replacement parts, please contact KATOOL customer service. Keep your purchase receipt and product model number (AK-X66) handy when contacting support.

For the most up-to-date warranty details and contact information, please visit the official KATOOL website or refer to the documentation provided at the time of purchase.

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