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› KATOOL X80-110 Mid-Rise Scissor Lift Instruction Manual

KATOOL X80-110

KATOOL X80-110 Mid-Rise Scissor Lift Instruction Manual

Model: X80-110 | Capacity: 8000 lbs (3500 kg)

1. INTRODUCTION AND PRODUCT OVERVIEW

This manual provides essential instructions for the safe and efficient operation, installation, and maintenance of your KATOOL X80-110 Mid-Rise Scissor Lift. Designed for automotive service in home shops and garages, this lift features an 8000 lb (3500 kg) lifting capacity, an electric safety release system, and a high-performance hydraulic system operating on standard 110V power. It includes a mobile kit for flexible positioning and integrated locking drive-up ramps for extended vehicle support.

Capacity 8000lbs Pneumatic Safety Release



Figure 1: KATOOL X80-110 Mid-Rise Scissor Lift, showing the main unit, control console, and mobile kit components.

2. SAFETY INFORMATION

WARNING: Read and understand all safety warnings and instructions before operating this equipment. Failure to follow these instructions may result in serious injury or death.

- **Load Capacity:** Never exceed the maximum rated load capacity of 8000 lbs (3500 kg).
- **Stable Surface:** Always operate the lift on a level, solid, and stable surface capable of supporting the lift and the vehicle's weight.
- **Proper Placement:** Ensure the vehicle is centered and properly positioned on the lift platforms before raising. Use the integrated locking drive-up ramps for secure vehicle placement.
- **Safety Locks:** Always engage the safety locks before working under a raised vehicle. The electric safety release system must be fully functional.
- **Electrical Connection:** The lift requires a direct connection to a 110V power source. Do not rely on standard wall sockets or extension cords not rated for the required amperage. Ensure wiring is no smaller than 11 AWG.
- **Clearance:** Maintain adequate clearance around the lift during operation. Keep bystanders and obstructions away.

- **Personal Protective Equipment:** Wear appropriate safety gear, including safety glasses and gloves.
- **Unloading:** The buyer is responsible for unloading the product. A forklift or similar equipment is required for safe handling upon delivery. Inspect for damage immediately upon receipt and report any issues.



Figure 2: Proper electrical connection for the lift, emphasizing direct wiring over standard wall outlets.



Figure 3: Illustration of the minimum 11 AWG wire requirement for the lift's electrical supply.

3. SETUP AND INSTALLATION

The KATOOL X80-110 offers flexibility for either mobile or fixed installation. The included mobile kit allows for easy repositioning within your garage or shop.

3.1 Unpacking and Inspection

1. Carefully unpack all components. Refer to the packing list to ensure all parts are present.
2. Inspect all parts for any shipping damage. Report any damage to the carrier and supplier immediately.

3.2 Assembly

Detailed assembly instructions are provided in the separate assembly guide. Key steps include:

- Assembling the main lift platforms and scissor mechanisms.
- Connecting hydraulic lines and electrical components.
- Installing the control console.
- Attaching the mobile kit wheels and handle if mobile use is desired.

Capacity 8000lbs



Starting UP system design

Figure 4: Detail of the lift's robust scissor mechanism and hydraulic cylinders during assembly.

3.3 Electrical Connection

Connect the lift to a dedicated 110V power circuit. Ensure the wiring meets the minimum 11 AWG requirement and is directly connected, not through a standard wall outlet. Consult a qualified electrician if you are unsure about the electrical installation.

3.4 Initial Test

Before first use with a vehicle, perform a full cycle of raising and lowering the lift without a load to ensure all functions operate correctly and smoothly.

4. OPERATING INSTRUCTIONS

4.1 Vehicle Placement

1. Position the lift on a level, stable surface.
2. Drive the vehicle onto the lift platforms, ensuring it is centered and the weight is evenly distributed.

3. Extend the integrated locking drive-up ramps as needed to accommodate longer wheelbases and ensure stable support.

Capacity 8000lbs



Figure 5: The extendable drive-up ramp, providing additional support for various vehicle lengths.

4.2 Lifting the Vehicle

1. Ensure all personnel and obstructions are clear of the lift area.
2. Using the control console, press the 'UP' button to raise the lift.
3. Monitor the vehicle as it rises, ensuring stability.
4. Once the desired working height is reached, or the maximum height is achieved, the integral height limit switch will activate.
5. Engage the electric safety release system to lock the lift into position. Never work under a lift that is not securely locked.



Figure 6: Detail of the safety locking mechanism, crucial for securing the lift at working height.



Figure 7: The KATOOL X80-110 lift in operation, supporting a vehicle for maintenance.

4.3 Lowering the Vehicle

1. Ensure all tools, equipment, and personnel are clear from under and around the lift.
2. Disengage the electric safety release system.
3. Press the 'DOWN' button on the control console to slowly lower the vehicle.
4. Once the lift is fully lowered, carefully drive the vehicle off the platforms.

5. MAINTENANCE

Regular maintenance is crucial for the longevity and safe operation of your KATOOL X80-110 Scissor Lift.

- **Daily Inspection:** Before each use, visually inspect the lift for any signs of damage, wear, or leaks. Check hydraulic hoses, electrical cables, and structural components.
- **Lubrication:** Periodically lubricate all pivot points, rollers, and moving parts according to the manufacturer's recommendations.
- **Hydraulic Fluid:** Check the hydraulic fluid level regularly and top up with the recommended hydraulic oil if necessary. Inspect for any signs of contamination.
- **Electrical System:** Ensure all electrical connections are secure and free from corrosion. Inspect the control console for proper function.
- **Safety Locks:** Verify that the electric safety release system and mechanical locks engage and disengage smoothly and securely.
- **Cleaning:** Keep the lift clean and free from dirt, debris, and corrosive substances.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your KATOOL X80-110 Scissor Lift.

- **Lift Does Not Raise:**
Possible Causes: No power supply, tripped circuit breaker, low hydraulic fluid, faulty motor, engaged safety lock.
Solutions: Check power connection, reset breaker, check fluid level, consult a technician if motor is suspected, ensure safety locks are disengaged.
- **Lift Lowers Slowly or Unevenly:**
Possible Causes: Air in hydraulic system, hydraulic fluid leak, worn seals, obstruction.
Solutions: Bleed the hydraulic system, check for leaks and repair, replace worn seals, remove any obstructions.
- **Safety Locks Not Engaging/Disengaging:**
Possible Causes: Mechanical obstruction, electrical fault in release mechanism, worn components.
Solutions: Clear obstructions, check electrical connections to the release, inspect and replace worn parts.
- **Unusual Noises During Operation:**
Possible Causes: Lack of lubrication, loose components, hydraulic pump issue.
Solutions: Lubricate moving parts, tighten loose fasteners, inspect hydraulic pump.

For issues not listed here or if troubleshooting steps do not resolve the problem, contact KATOOL customer support.

7. SPECIFICATIONS

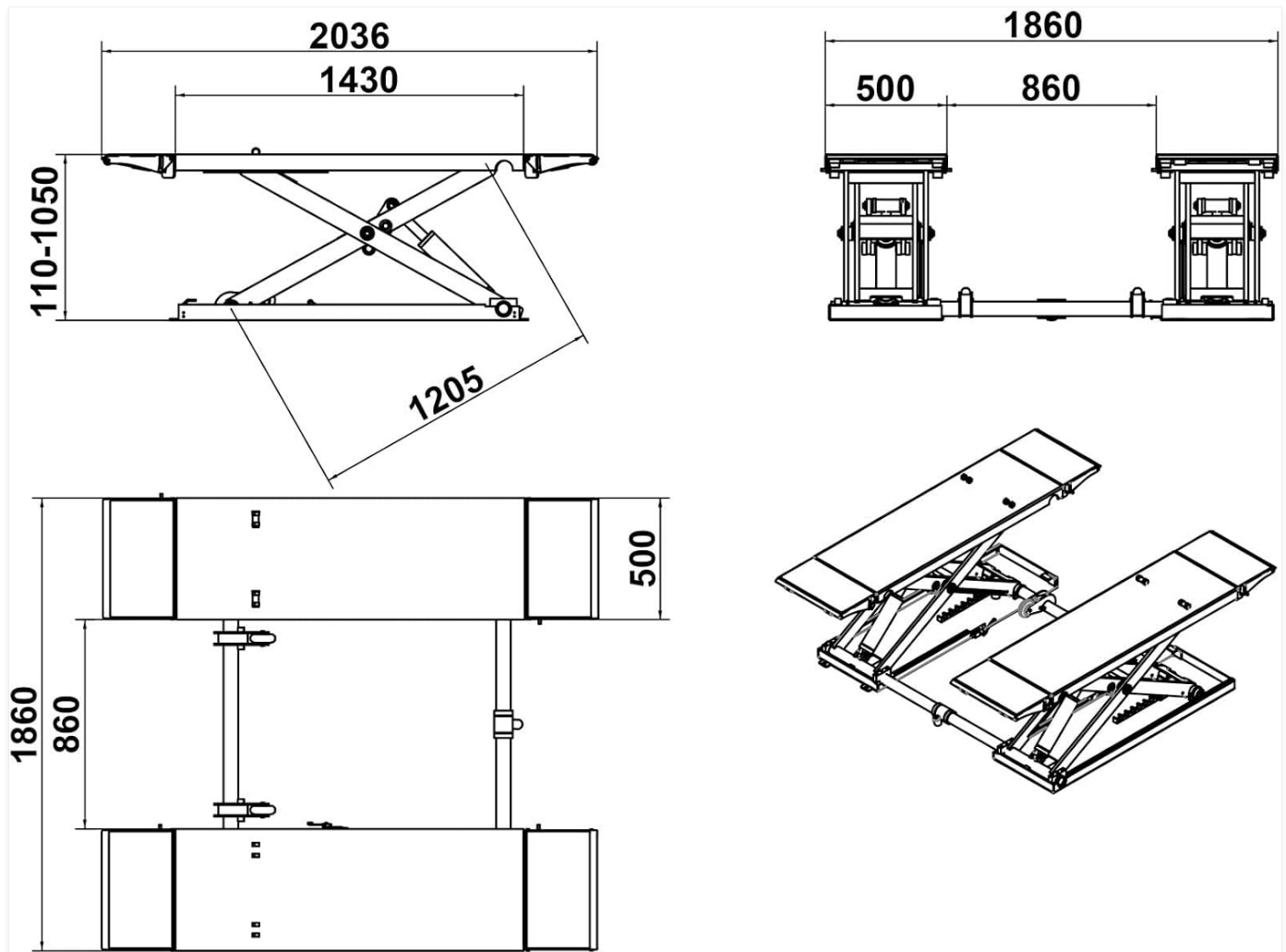


Figure 8: Dimensional drawing of the KATOOL X80-110 Scissor Lift.

Specification	Value
Model Number	X80-110
Brand	KATOOL
Load Capacity	8000 Pounds (3500 kg)
Minimum Height	4.25 inches (110 mm)
Maximum Lifting Height	41.25 inches (1050 mm)
Power Requirement	110V/1PH
Material	Alloy Steel
Vehicle Service Type	Car
Included Components	Vehicle Lift, Mobile Kit
UPC	668078139246

8. WARRANTY AND SUPPORT

8.1 Warranty Information

The KATOOL X80-110 Mid-Rise Scissor Lift comes with a **1-year manufacturer's warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

8.2 Customer Support

For technical assistance, parts, or warranty inquiries, please contact KATOOL customer service. Refer to the contact information provided with your purchase documentation or visit the official KATOOL website.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

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

Details

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

Submit question