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> XK-10,000lbs Car Lift L1100 Instruction Manual

## CHIEN RONG L1100

# XK-10,000lbs Car Lift L1100 Instruction Manual

Official instruction manual for the CHIEN RONG XK-10,000lbs Car Lift L1100.

## 1. PRODUCT OVERVIEW

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The CHIEN RONG XK-10,000lbs Car Lift L1100 is a robust 2-post vehicle lift designed for safely raising cars, auto trucks, and other vehicles up to 10,000 pounds. Constructed from durable iron, this overhead car lift is engineered for reliability and ease of use in various automotive service environments. It features a 220V power unit and is equipped with advanced safety mechanisms to ensure secure operation.



Figure 1: The XK-10,000lbs Car Lift L1100, a two-post vehicle lift in blue and yellow, designed for automotive maintenance.

Key features include a double-point safety lock release, automatic arm lock restraints, and a built-in relief valve to prevent overloading. The lift also incorporates an up-limit switch for cylinder protection and door guards made of rubber to prevent vehicle damage during lifting. Its design prioritizes both strength and user safety, making it suitable for a wide range of vehicle service tasks.

## 2. SAFETY INFORMATION

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Adhering to safety protocols is paramount when operating the XK-10,000lbs Car Lift L1100. This lift is equipped with multiple safety features designed to protect both the operator and the vehicle.

- **Double Point Safety Lock Release:** This system provides a secure locking mechanism, significantly reducing the risk of accidental lowering. It is designed to be one of the safest lock systems, minimizing human error.
- **Automatic Arm Lock Restraints:** The lifting arms automatically lock into position once the vehicle is raised, preventing unintended movement.
- **Relief Valve:** A relief valve is built into the power pump to prevent overloading, ensuring the lift operates within its safe working capacity.
- **Up-Limit Switch:** This switch protects the cylinders by ensuring they operate within their safe working stroke length.
- **Door Guards Protection Rubber:** Rubber padding on the posts prevents damage to vehicle doors during entry and exit from the lift area.
- **Hydraulic Oil:** Use 3-5 gallons of AW32/AW46 hydraulic oil.
- **Electrical Breaker:** A minimum 30A breaker is recommended for the electrical supply.



Figure 2: Close-up view of the double point safety lock mechanism on the lift arm, ensuring secure operation.

Always ensure all safety locks are engaged before working under the vehicle. Never exceed the maximum load capacity of 10,000 pounds. Regular inspection of all safety components is crucial for continued safe operation.

### 3. SETUP

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Proper installation is critical for the safe and effective operation of your XK-10,000lbs Car Lift L1100. It is highly recommended that installation be performed by qualified personnel.

#### Site Requirements:

The car lift must be installed on a concrete slab. For vehicles up to 10,000 pounds, the concrete should be at least 6 inches thick with a minimum strength of 3500 PSI (pounds per square inch). If your primary use is for vehicles under 9,000 pounds, a 4-inch thick concrete slab may be sufficient, but 6 inches is always recommended for maximum safety and stability.

#### Unloading and Assembly:

Due to the substantial weight and size of the lift (approximately 1250 pounds), a forklift or tractor with a fork attachment is required for unloading the product upon delivery. If such equipment is not available, arrangements for terminal pickup at a local freight terminal can be made.

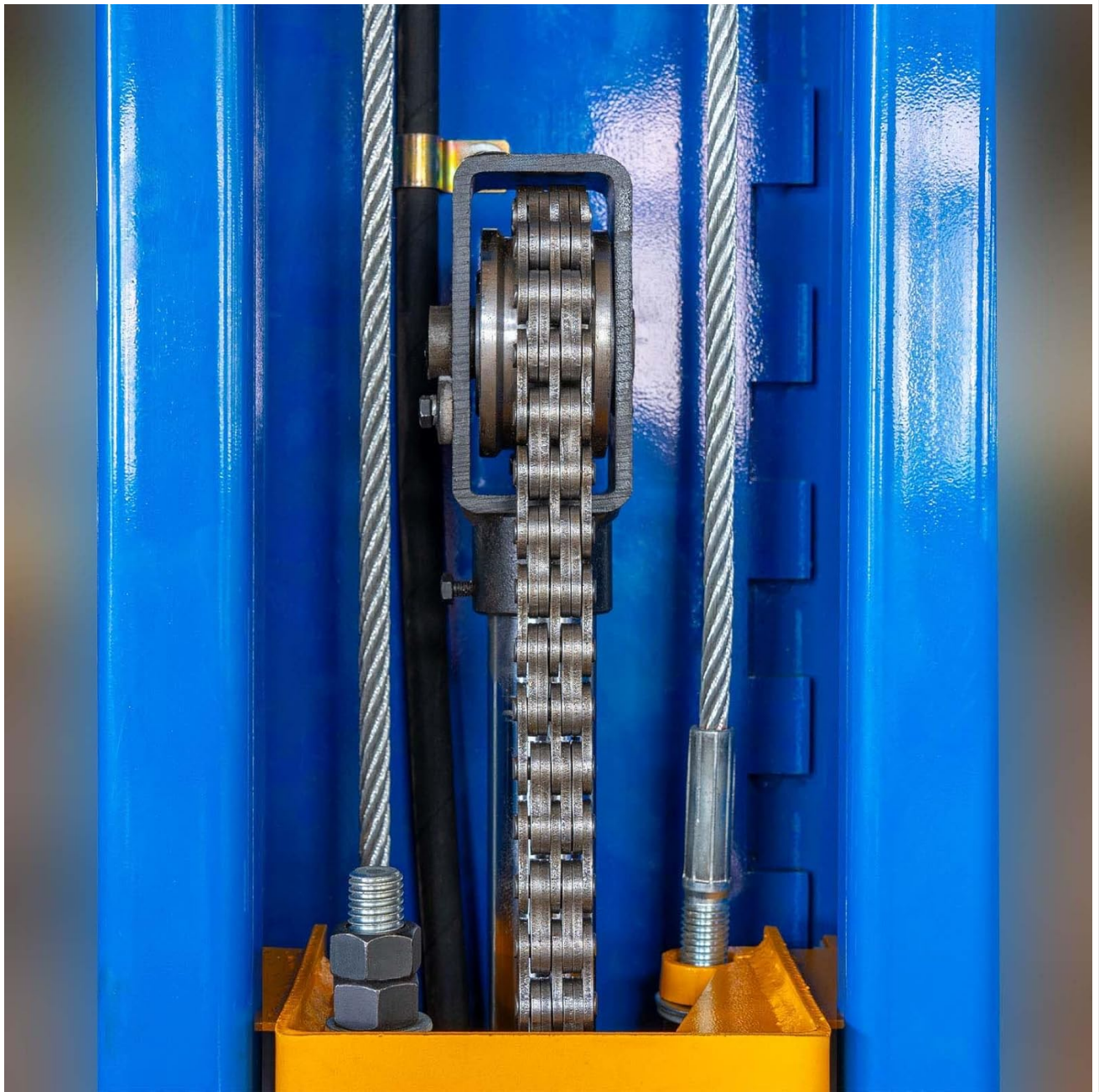


Figure 3: Important information regarding the equipment required for unloading the car lift upon delivery.

Assembly involves securing the posts, connecting the hydraulic lines, and installing the cables and arms. While the process is straightforward, careful attention to detail and adherence to the provided assembly diagrams are essential. Anchor bolts and mounting hardware are included. Ensure all connections are tight and secure before proceeding to operation.

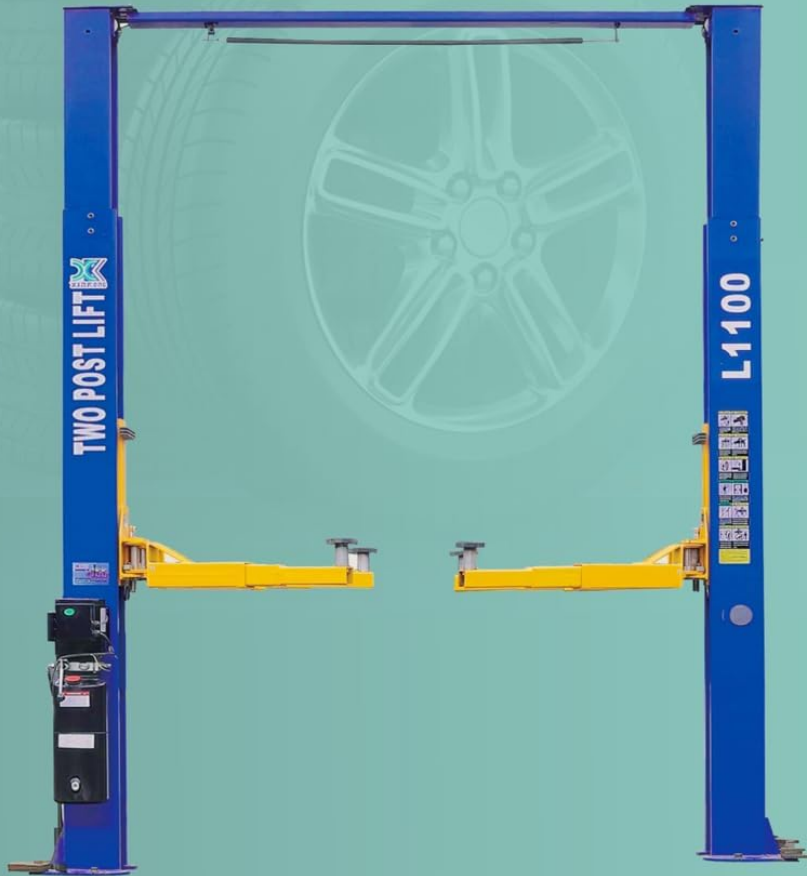


Figure 4: Close-up view of the hydraulic power unit and cable connections during the assembly process.

### Assembly Overview Video:



Video 1: This video provides an overview of the XK-10,000lbs Car Lift L1100, including segments demonstrating the assembly of various components such as the main structure, cables, and hydraulic system. It highlights the robust construction and key features of the lift.

## 4. OPERATING INSTRUCTIONS

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Operating the XK-10,000lbs Car Lift L1100 is designed to be intuitive, with clear controls for lifting and lowering vehicles.

### Lifting Operation:

1. Position the vehicle correctly on the lift arms, ensuring the weight is evenly distributed and the arms are securely placed under the vehicle's designated lift points.
2. Press the "UP" button on the motor's control panel to initiate the lifting process. The lift will ascend smoothly.
3. As the lift rises, the automatic arm lock restraints will engage at various height intervals, providing additional

safety.

4. Once the desired height is reached, ensure the safety locks are fully engaged before performing any work under the vehicle.

### Lowering Operation:

1. To lower the vehicle, first slightly raise the lift to disengage the safety locks.
2. Then, press the manual lowering lever on the hydraulic power unit. The vehicle will begin to descend.
3. Control the descent speed by adjusting the pressure on the lever.
4. Ensure the area around and under the lift is clear of obstructions and personnel during lowering.



Figure 5: A vehicle safely elevated on the XK-10,000lbs Car Lift L1100 within a workshop environment.

### Operation Demonstration Video:



Video 2: This video demonstrates the lifting and lowering operations of the XK-L1100 Car Lift, showcasing its smooth movement and the ease of use for raising and lowering vehicles.

## 5. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your XK-10,000lbs Car Lift L1100.

- **Hydraulic System:** Periodically check the hydraulic fluid level and top up as needed with 3-5 gallons of AW32/AW46 hydraulic oil. Inspect hydraulic lines and fittings for any signs of leaks or damage.
- **Cables and Chains:** Regularly inspect the heavy-duty 5/16" diameter cables and chains for wear, fraying, or damage. Ensure they are properly tensioned and lubricated according to manufacturer guidelines. The 4.56" pulleys should also be checked for smooth operation.
- **Nylon Sliders:** The ultra-high molecular self-lubricating nylon sliders ensure smooth carriage movement. While self-lubricating, inspect them for wear and ensure they are free of debris.
- **Safety Locks:** Test the double point safety lock release and automatic arm lock restraints regularly to confirm they engage and disengage correctly.
- **Structural Integrity:** Inspect the entire structure, including the stiffened base plate (5/8" thickness) and posts, for any signs of bending, cracks, or corrosion. Ensure all bolts and fasteners are tight.



Figure 6: Detailed view of the lift's components, including the chain drive system, support arms, and safety mechanisms, which require regular inspection.

## 6. TROUBLESHOOTING

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This section provides guidance on common issues you might encounter with your car lift.

- **Lift Not Raising:**

- Check the power supply and ensure the 30A breaker is not tripped.
- Verify that the "UP" button is functioning correctly.
- Inspect hydraulic fluid levels; low fluid can prevent lifting.
- Check for any obstructions preventing the lift from moving freely.

- **Lift Not Lowering:**

- Ensure the safety locks are fully disengaged by slightly raising the lift before attempting to lower.
- Check the manual lowering lever for proper operation.
- Inspect hydraulic lines for blockages or damage.

- **Uneven Lifting:**

- Verify that the vehicle's weight is evenly distributed on the lift arms.
- Check the synchronization of the cables and chains; they should be equally tensioned.
- Inspect the nylon sliders for any damage or excessive wear on one side.

- **Unusual Noises During Operation:**

- Squealing or grinding noises may indicate a need for lubrication on moving parts like chains or pulleys.
- Loud clunking sounds could point to issues with the safety locks engaging or disengaging, or loose components. Immediately cease operation and inspect.

If you encounter persistent issues that cannot be resolved using these steps, please contact customer support for assistance.

## 7. SPECIFICATIONS

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Detailed technical specifications for the XK-10,000lbs Car Lift L1100:

Specification	Value
Brand	CHIEN RONG
Model	L1100 (CR-018)
Load Capacity	10,000 pounds
Maximum Lifting Height	78.88 inches
Item Dimensions (L x W x H)	113 x 18 x 29 inches
Item Weight	1250 pounds
Color	Blue
UPC	723284413501

# Product Details



**L1100**

Item Weight	1450 lbs
Lifting Capacity	10,000 lbs
Overall Height	141.73"
Overall Width	130.31"
Column width	11.02"
Base Width	17.31"
Lifting Height	70.86"
Steel Thickness	
Column	0.2"
Carriage	0.19"
Arm	0.23"
Arm Lengths	
Front Arm	29.92"-47.24"
Rear Arm	29.92"-47.24"



Figure 7: A visual representation of the product details, including weight, lifting capacity, and overall dimensions.

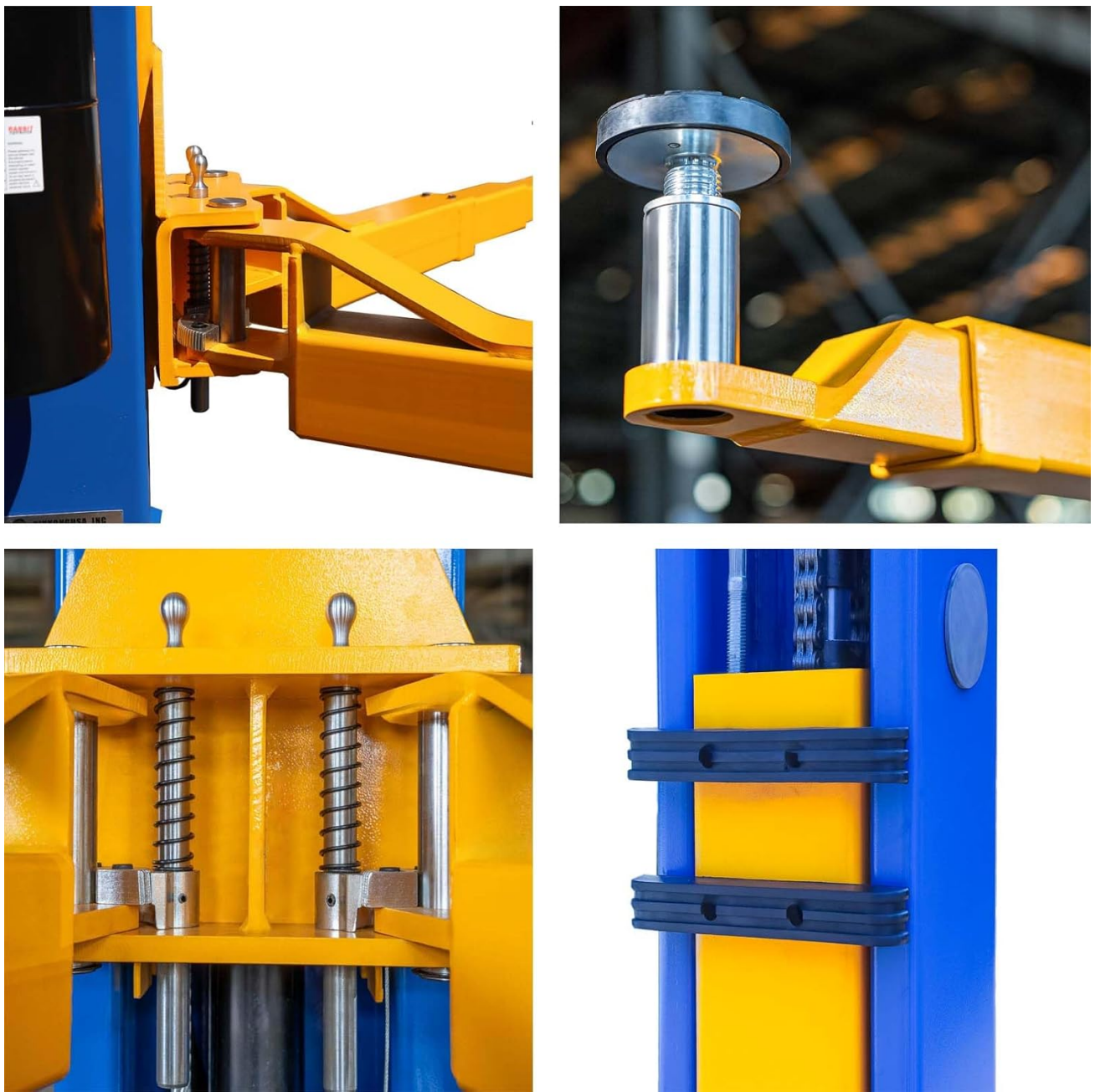


Figure 8: Technical drawing illustrating the detailed dimensions and layout of the XK-10,000lbs Car Lift L1100.

## 8. WARRANTY AND SUPPORT

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Your XK-10,000lbs Car Lift L1100 comes with a **12-month parts replacement warranty**, ensuring peace of mind regarding component defects or failures within the specified period.

For any technical assistance, troubleshooting, or warranty claims, please contact our dedicated customer support team. We are committed to providing timely and professional support to ensure your satisfaction with the product.

### Customer Support:

For immediate assistance, please call:

**909-680-0777**



Figure 9: Image displaying the contact number for customer support, available for timely assistance.