Highly adaptable, customizable, and cost-efficient car stackers.

These manually operated parking lifts are ideal for valet parking and are a quick and easy way to double your parking capacity.

- Double cylinder
- Easy disassembly and relocation
- Integrated control box for easy wiring
- 17 full range anti-fall locks
- Emergency stop button
- Safety key switch controller
- Limit switch
- Hydraulic overload protection
- Anti-skid ramp and platform
- Anti-rust power coating finishing
- Adjustable ground level vehicle height

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SAFETY FEATURES

- Top limit switch is to restrict the maximum lifting height and avoid the wrong operation
- Power unit comes with pressure relief valve and flow control valve to ensure safety.
- Hot galvanized waving platform has the function of anti-slipping for the vehicle and water proof.
- Electric distribution box transforms the input voltage into 24V safety current for the lift user.
- 17 full range anti fall lock blocks are to guarantee safety of the vehicle during platform moving in any position (other similar lifts have only 3 - 6 locks).
- The photocell sensor will stop the whole system working immediately when it is triggered by any trespassing object under the platform during the operation.
- Both key switch and remote controller come with emergency stop button to prevent any accidents.
- Electric protection for power over load or under voltage.
- Auto locking system for power cut as safety features.
- Italian hydraulic seal with double sealing design to ensure the total quality and longer usage life of Hydraulic cylinders.
- Overload protection device for hydraulic power pack.
- The balancing chain and Platform reinforcing rod double ensure the balance of the platform (The strength is 5 times the weight capacity).
# TECHNICAL SPECS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>2LHS-6000</th>
</tr>
</thead>
<tbody>
<tr>
<td>EQUIPMENT HEIGHT</td>
<td>11’ - 8”</td>
</tr>
<tr>
<td>EQUIPMENT WIDTH</td>
<td>8’ - 6”</td>
</tr>
<tr>
<td>EQUIPMENT LENGTH</td>
<td>14’ - 6’1/2”</td>
</tr>
<tr>
<td>EQUIPMENT WEIGHT</td>
<td>2,423 lbs</td>
</tr>
<tr>
<td>VEHICLE HEIGHT (TOP LEVEL)</td>
<td>Dependent on total clear height</td>
</tr>
<tr>
<td>VEHICLE HEIGHT (GROUND LEVEL)</td>
<td>6’ to 6’ - 8” (adjustable)</td>
</tr>
<tr>
<td>VEHICLE WIDTH (MAX)</td>
<td>6’ - 10’1/2”</td>
</tr>
<tr>
<td>VEHICLE LENGTH (MAX)</td>
<td>17’ - 1”</td>
</tr>
<tr>
<td>VEHICLE WEIGHT (MAX)</td>
<td>6,000 lbs</td>
</tr>
<tr>
<td>CLEARANCE NEEDED FROM BACK WALL</td>
<td>1’ - 10” (if applicable)</td>
</tr>
<tr>
<td>CONTROL BOX</td>
<td>Integrated Module</td>
</tr>
<tr>
<td>POWER PACK</td>
<td>2.2 kw hydraulic power</td>
</tr>
<tr>
<td>ELECTRICAL CONFIGURATION</td>
<td>208-480V, 1 or 3 phase 60 Hz</td>
</tr>
<tr>
<td>CONTROL POWER</td>
<td>24V</td>
</tr>
<tr>
<td>RETRIEVAL TIME</td>
<td>30 seconds</td>
</tr>
</tbody>
</table>

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OPERATION INSTRUCTIONS

PLEASE READ BEFORE OPERATING THE LIFT
DO NOT USE LIFT if any component is found to be defective or worn

■ Never exceed the rated capacity
■ Always lift a vehicle according to the manufacturer’s recommended lifting points.
■ In order to avoid death, personal injury and/or property damage, only well trained personnel are permitted to operate lift and accessories. Adult operation is required.
■ Observe and heed all CAUTION, SAFETY and WARNING LABELS on the lift. Keep clear of lift while it is being raised or lowered. The platform is designed to rest on the floor when fully lowered.
■ Keep feet clear.
■ After reviewing these instructions, get familiar with lift controls by running the lift through a few cycles before loading.

TO RAISE THE LIFT
1. Lift must be fully lowered and no one in area while the vehicle is brought on lift.
2. Center vehicle tires on platform and carefully back vehicle onto lift until tire contacts rear wheel stop.
   Be cautious of low profile vehicles where body may not adequately clear rear wheel stop.
3. Driver and passengers must exit before raising lift!
4. Turn the key switch clockwise. Release switch at desired height, Fig. 1. ONLY OPERATE ONE LIFT AT A TIME
5. Observe lift, vehicle and overhead clearance as it is raising.

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TO LOWER THE LIFT

1. **MAKE SURE NO ONE** is in the lift area before operation.
2. Remove all obstacles from under vehicle and lift platform before operation.
3. Turn the key switch counter-clockwise, control system will automatically raise the lift of the locking latch.
4. Keep turning the key switch, control system will automatically release locks through solenoid, Fig. 2., and platform will come down.
5. The raising time will last for several seconds, please keep turning key switch.
6. Without actuating the lock release lever the lift will only lower onto the locking latch. After you clear the lock bar on the column, you can release the lock release lever and continue to completely lower the lift to the ground.
7. When platform lower down at the height of 500mm from ground, the buzzer will start to work and speed will be decreased for safety purpose.
8. Observe lift and vehicle to make sure they are coming down level. If not, stop and raise the lift until it becomes level again. Check to see if lock lever is releasing all locks. - See trouble shooting.
9. Ensure lift is fully lowered and carefully drive vehicle off the lift.
SAFETY INSTRUCTIONS

SAFETY INSTRUCTIONS
Read operating and safety manuals before using lift.

SAFETY INSTRUCTIONS
Proper maintenance and inspection is necessary for safe operation.

SAFETY INSTRUCTIONS
Do not operate a damaged lift.

CAUTION
Lift to be used by trained operator ONLY.

CAUTION
Authorized personnel only in lift area. Drive on/off lift with care. Don't forget to set parking.

WARNING
Keep clear of pinch points when lift is moving.

WARNING
Do not override self-closing lift controls.

WARNING
Remain clear of lift when raising or lowering vehicle.

WARNING
Keep feet clear of lift while lowering.

WARNING
Clear area if vehicle is in danger of falling.
SAFETY INSTRUCTIONS

PLEASE NOTE: THE CERTIFIED CAPACITY SHOULD NEVER BE EXCEEDED!

SAFE OPERATION OF AUTOMOTIVE LIFTS REQUIRES THAT ONLY TRAINED USERS SHOULD BE ALLOWED TO USE THE LIFT

TRAINING SHOULD INCLUDE, BUT NOT LIMITED TO:

- Understanding the lift capacity. Be careful that you do not overload the lift.
- Proper positioning of the vehicle on the runway.
- Use of the operating controls.
- Proper use, understanding and visual identification of safety lock devices and their operation.
- Reviewing the safety rules.
- Proper housekeeping procedures
- A daily inspection of the lift should be completed prior to its use.
- All maintenance and repairs of the lift should be completed by the manufacturer’s requirements.
- Always make sure you have proper overhead clearance. Additionally, check that attachments, (vehicle signs, campers antennas, etc.) are not in the way.
- Be sure that prior to the vehicle being raised, the doors, trunk, and hood are closed securely.
- After parking the car on the platform, set the emergency brake, make sure the ignition is off, the doors are closed, overhead obstructions are cleared, and the transmission is in neutral.
- Always consider potential problems that might cause a vehicle to slip, i.e., heavy cargo, undercoating, etc.
- Never get into the underneath of the platform after it raised, except parking the car.
- Always lower the vehicle down slowly and smoothly.
- DO NOT lower the vehicle until people, materials, and tools are clear.
- USE LIFT CORRECTLY. Use lift in the proper manner. Never use lifting adapters other than what is approved by the manufacturer.
1. Apply lubrication on guide rail and guide pulley once per month.
2. Apply lubrication on balance chain once per month.
3. Change all the hydraulic oil three months after first operation.
4. Change oil every nine month after the first changing.
5. Frequently check the screw nuts of bolts which are fixing the electromagnet and locking hook. If any is loose, tighten it ASAP.
6. Before operation, please check the electromagnet connector
7. Test top limit switch and photocell sensor before running.
8. The seal in hydraulic cylinder should be replaced every two years.
9. The roller and sliding block should be replaced every two years.
10. If any noise comes out from electromagnet, please replace it ASAP.
11. If the platform tilts right-and-left when lifting, please check and adjust the balance chains.
12. If the platform tilts fore-and-aft when lifting, first please check if vehicle is parked correctly; second check the perpendicularity of post, if the platform still tilts after the above mentioned works please replace the roller.
13. If the platform tilts right-and-left when descending, first please check if the mechanical locking hook at higher side is unlocked, please balance chains if the locking hook is unhooked.
14. If the platform tilts fore-and-aft when descending, first please check if vehicle is parked correctly; second check the perpendicularity of post, if the platform still tilts after the above mentioned works please replace the roller.
15. Adjust the compensated flow control valve on the power unit, in case the lifting and descending is too fast or too slow.
16. Check if the emergency stop button is open and air switch is closed, if the equipment doesn't lift up when keep turning UP.
17. Check if the solenoid valve is open, if the platform only lifts up but not descend, or it don't move at all when keep turning DOWN.
18. Check if the electromagnet is working to make the mechanical locking hook unlocked, if the platform lifts up first then descends but stop on the locking tab when keep turning DOWN.
19. Check if the electromagnet is working to make the mechanical locking plate unlocked, if the platform descends only but then stop on the locking tab when keep turning DOWN.
20. Check if the photocell sensor works correctly if the platform only descends with buzzer and warning light on when keep turning DOWN and the platform is above 20" height.
21. Open the vent valve on the cylinder to make some air inside of cylinder released, if the platform jounces when lifts up.
22. How to get the equipment balance:
   a. Lift the platform up to any locking tab above 20" height;
   b. Manually open the manual switch of solenoid valve on power unit to make platform descend;
   c. Keep turning on the manual switch of solenoid valve until both two mechanical locking plates on two sides of carriages fall on the bottom of the locking tabs on same level;
   d. Tighten or loosen the screw on adjustable screw to adjust the tightening or sag balance chains, to make the platform in balance during operation.

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<table>
<thead>
<tr>
<th>PROBLEM</th>
<th>CAUSE</th>
<th>SOLUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motor does not run</td>
<td>1. Check fuse or circuit breaker. 2. Check for correct voltage to motor. 3. Inspect all wiring connections. 4. Switch burned out. 5. Motor windings burned out.</td>
<td>1. Replace blown fuse or reset circuit breaker.* 2. Supply correct voltage to motor.* 3. Repair and insulate all connections.* 4. Replace switch.* 5. Replace motor*</td>
</tr>
<tr>
<td>Lift going up unevenly</td>
<td>1. Chains out of adjustment. 2. Lift installed on unlevel floor.</td>
<td>1. Adjust slack out of chains accoding to installation instructions. 2. Level lift per installation instructions.</td>
</tr>
<tr>
<td>Lift stops short of full rise or chatters</td>
<td>1. Low on fluid.</td>
<td>Check fluid level and bleed cylinder If fluid is required inspect all fittings, hoses, and seals. Repair as required. Clean power unit pickup stub filter.*</td>
</tr>
<tr>
<td>Lift will not lower.</td>
<td>1. Latches out of adjustment. 2. Lowering valve not open. 3. Lift valve not open.</td>
<td>1. Check latches and adjust per install instructions. 2. Repair or replace lowering valve. 3.Rearrange or replace lift valve.</td>
</tr>
</tbody>
</table>
1. Tolerance of levelness must below 5mm, compressive strength of concrete must be above 200kg/cm².
2. Thickness must be above 300mm and strength grade must be more than 250.
3. Ensure the new concrete be cured by at least 28 days minimum.
4. DO NOT install this lift on any asphalt surface or any surface other than concrete.
5. DO NOT install this lift on expansion seams or on cracked or defective concrete.
6. DO NOT install this lift on a second/elevated floor without first consulting building architect.
7. DO NOT install this lift outdoors unless special consideration has been made to protect the power unit from in climate weather conditions.
8. Leave enough space for the control cabinet.
9. Always use architects plans when available. Check layout dimension against floor plan requirements making sure that adequate space is available.
10. The area where the lift will be located should be free of overhead obstructions such as heaters, building supports, electrical lines etc.
   - damage caused by rain, excessive humidity, corrosive environments or other contaminants.
   - any change or modification made to the equipment without prior agreement.

These warranties do not extend to any cosmetic defect not interfering with equipment functionality or any incidental, indirect, or consequential loss, damage, or expense that may result from any defect, failure, or malfunction of a CityLift Parking lift or the breach or delay in performance of the warranty. This warranty is exclusive and in lieu of all other warranties expressed or implied. CityLift Parking makes no warranty on components and/or accessories furnished to CityLift Parking by third parties. These are warranted only to the extent of the original manufacturer’s warranty to CityLift Parking. Other items not listed but may be considered general wear parts. CityLift Parking reserves the right to make design changes or add improvements to its product line without incurring any obligation to make such changes on product sold previously.