

Wheelchair Lift

Training, Operations & Parts Manual

Maintenance Schedule



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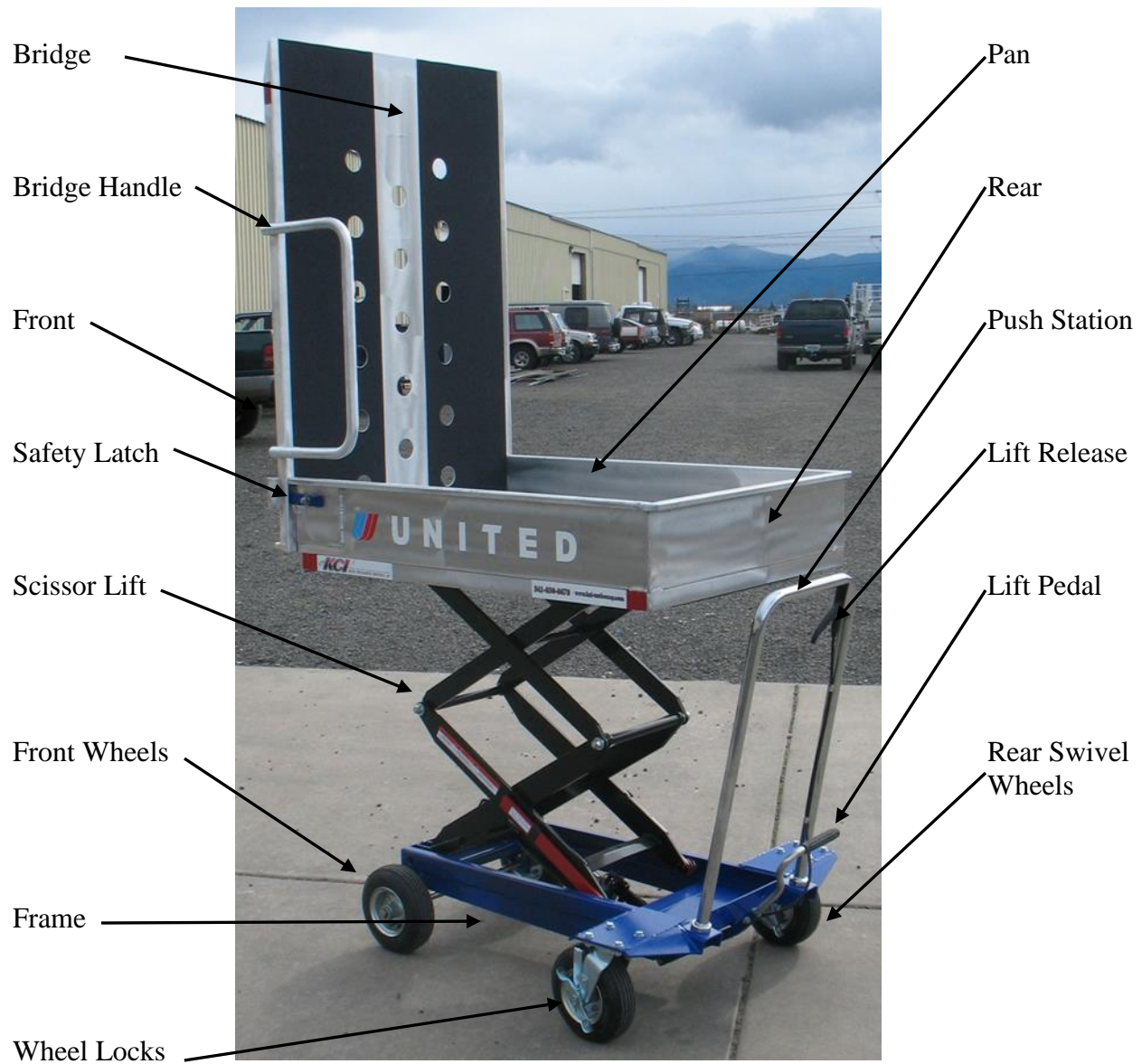
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•Overview•



The KCI Wheelchair lift was designed to aid in the loading and unloading of wheelchairs to and from the aircraft cargo hold. Traditional loading and unloading methods were such that damage to the chair, aircraft or injury to personnel could occur. With the introduction of the Wheelchair Lift wheelchairs can be loaded onto a beltloader at ground level and transferred to the aircraft without heavy lifting. With the chair securely restrained in the lift pan, transfer to the cargo hold is seamless!

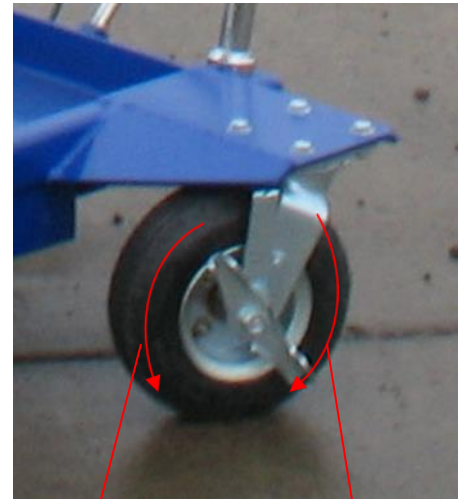
• Main Components •



• Operating Procedures •

• *Wheel Locks and Brakes* •

1. To lock swivel wheel braking mechanism, step down on the left tab, turning in a counterclockwise motion.
2. To unlock swivel wheel braking mechanism, step down on the right tab, turning in a clockwise motion.



Lock

Unlock



Both of the swivel wheels should be locked any time the unit is not being actively moved by a trained user.

• Operating Procedures •

• *Loading and Unloading the Lift* •

1. To begin unloading, lift up on the safety latch and lower the bridge.
2. Push the wheelchair up the bridge and into the pan.
3. Lift the bridge until the safety latch is engaged.



Lift up on the safety latch and lower the bridge



• Operating Procedures •

• *Loading and Unloading the Lift (Cont.)* •

4. Release the braking mechanism on each swivel wheel.
5. Maneuver the lift up to the belt loader/aircraft cargo door.



6. Once in position, reengage the braking mechanism on the swivel wheels.
7. Step down on the lift pedal to begin raising the lift. Continue to pump the lift pedal until the desired height is reached.
8. Once the desired height is reached, lower the bridge onto the belt loader/into the aircraft.



9. Make any necessary final adjustments to height or positioning.

• Operating Procedures •

• *Loading and Unloading the Lift (Cont.)* •

10. Roll the wheelchair onto the belt loader/into the aircraft.
11. Lift the bridge until it is secured by the safety latch.
12. To lower the lift, pull and hold the lift release lever up. The lift will begin lowering. Hold the lift release lever until the lift has completely lowered.
13. Release the braking mechanism on each of the swivel wheels.
14. Move the lift to the designated storage area at the gate and relock the swivel wheels.

Lift Release Lever



• Operating Procedures •



Warnings and Restrictions Summary



1. It is the responsibility of the operating staff to ensure that the aircraft is not damaged when using the KCI Wheelchair lift.
2. When performing preventative maintenance, it is required to deploy the mechanical safety locks to prevent accidental lowering of the scissor lift.
3. To ensure the aircraft is not damaged, the lift should never come in contact with the aircraft.
4. Only trained and authorized personnel should raise, lower, or adjust the lift, operate the hydraulic mechanism, adjust the lift's height, or load powered chairs into the lift.
5. Under no circumstances should the Wheelchair Lift be raised, lowered, moved, or towed with any person on it.
6. Water, ice, snow, or any other natural or foreign substance should not be allowed to accumulate on the lift's surface.
7. The bridge should always be up and locked when not in use.
8. The adhesive non-skid surface affixed to the lift will lose its traction enhancing properties over time, depending on the extent of usage and climatic conditions, which exist at each airport. Replacing non-skid surface is the responsibility of the wheelchair lift owner; material can be obtained directly from KCI.
9. Do not let the bridge drop of its own weight.
10. Qualified airport ground crew personnel or airline personnel should always be present when the lift is in use.
11. The ramp and the bridge have been designed solely for the usual and customary operation of loading and deplaning of qualifying aircraft. Any other use is strictly forbidden, and voids any and all warranties relating to the Wheelchair Lift.



Warnings and Restrictions Summary



12. Never move the Wheelchair lift in a raised or slightly raised position! The lift must be lowered to its lowest setting prior to moving.
13. The belt loader must be fully stopped prior to lowering the wheelchair lift transition bridge.
14. The Wheelchair lift has a maximum capacity of 800 lbs.
15. The Wheelchair Lift is NOT for passenger use.

• Preventive Maintenance Checklist •

The following is a general maintenance checklist which covers the major components of your Wheelchair Trailer Lift. It is recommended that the following be checked regularly as scheduled to ensure proper function and safety of your Wheelchair Trailer Lift.

COMPONENT	SUGGESTED ACTION	SCHEDULE		
		Monthly	Quarterly	Bi-Annually
WHEELS	Grease swivel wheels/wheels.			
STRUCTURAL	General Check: Loose bolts, etc. tightened. Cracks, broken areas.			
TIRES	Inspect for serviceability.			
HYDRAULICS	Check cylinder fluid level			

• Preventative Maintenance •



The mechanical safety locks **MUST** be deployed any time maintenance is being performed. Failure to do so could cause injury to personnel or damage to equipment.



• Preventative Maintenance •

• *Hydraulic Oil* •

The hydraulic oil should be changed once every two years or sooner if the oil darkens or becomes gritty. Flush reservoir before refilling. Presence of water is indicated if the oil turns milky.

Recommended oil: AW-32 Grade Hydraulic Oil

For low oil condition:

1. Fully raise the lift.
2. Remove the oil fill plug.
3. Add 1 oz. of oil at a time.
4. Pump the foot control.
5. Repeat steps 3-4 until the unit's maximum height is achieved.
6. Once the maximum height is reached, add 1 oz. of oil and reinstall the fill plug.



Hydraulic oil filler plug

• Preventative Maintenance •

• *Hydraulic Oil Continued* •

For annual oil change:

1. Raise the platform and deploy mechanical safety locks.
2. Remove the upper cylinder pin.
3. Loosen the set screw in the lowering lever linkage.
4. Release the lowering valve.
5. Collapse the cylinder rod back inside the cylinder.
6. Remove the oil fill plug.
7. With the cylinder horizontal, fill with AW-32 grade hydraulic oil.
8. Reinstall the fill plug, and then reinstall the cylinder.

•How to Order Replacement Parts•

Please have model number and serial number available when ordering replacement parts

When ordering replacement parts:

- Contact the KCI parts dept. at (541) 830-4877 or email msankey@kci.nu
- Give the Model Number, Serial Number, and Mfg. Date) to the parts representative.
- If possible, give the part number and a description from the parts list. Or describe the needed part(s) to the best of your ability.
- If you are in a breakdown situation, please tell us, we will try to get your unit operational as soon as possible.



Serial Number

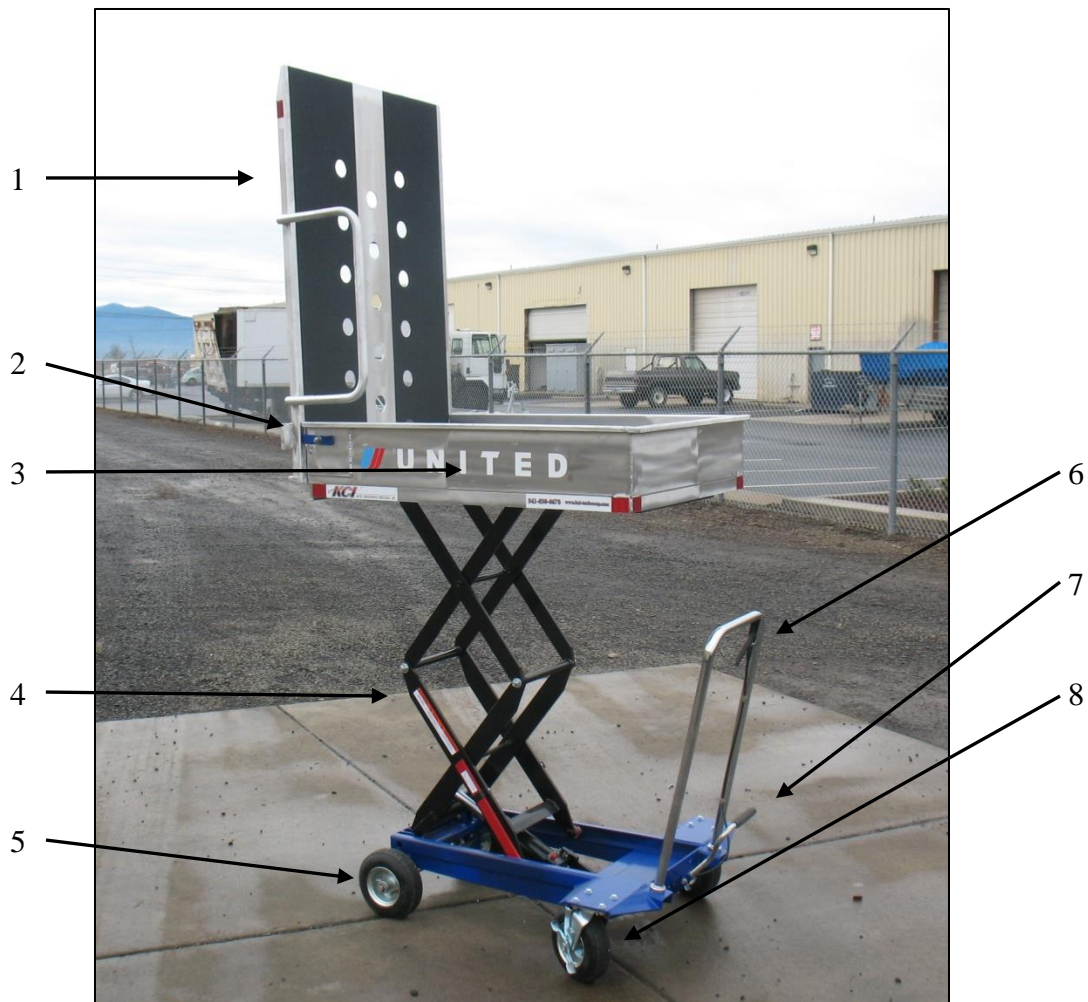
(The ID Plate is located on the frame.)

Mfg. Date

(You may be asked the Mfg. Date of your unit, have it ready if you are asked for it)



• Parts Breakdown •



<i>Item</i>	<i>Description</i>	<i>Part Number</i>
1	Transition Bridge	WCL-3252-01
2	Bridge Safety Latch	WCL-3252-02
3	Lifting Box	WCL-3252-04
4	Scissor Assembly	WCL-3252-05
5	Main Wheel	P00083
6	Lift Release Lever	WCL-3252-06
7	Foot Actuator Pedal	WCL-3252-07
8	Swivel Wheel w/Brake	P00082A

• Warranty •

This warranty is in lieu of all other warranties, either expressed or implied.

What is Covered:

This warranty covers equipment manufactured by KCI, Inc. from any defects in materials, workmanship and/or installations performed.

Period of Coverage:

This warranty lasts for a period of two years from the date the product ships, or until the original ownership of the ramp is transferred to another party, whichever comes first. Any repairs or modifications without the express written consent of KCI, Inc. will be grounds to immediately void all or part of this warranty.

What is Not Covered:

This warranty does not cover the following:

1. Accidental damage.
2. Misuse or abuse.
3. Damage caused by adverse weather, disasters, or other forces of nature.
4. Worn out adhesive skid walk.
5. Worn out tires/wheels.
6. Worn out/faded canvas canopies.
7. Any other wear or damage caused by the equipment's general use.
8. Any consequential or incidental damages to include:
 - a. Any loss of profit.
 - b. Loss by reason of airport or flight line shutdown.
 - c. Non-operation or increased expense of operation.
 - d. Loss of passengers or business.

What KCI Will Do:

Repair or replace any original part, component or piece of equipment that is found to have defects from time of shipment through the end of the period of coverage.

How to Make a Service Claim:

Provide a claim in writing within the period of coverage to the address listed below or email to msankey@kci.nu. We will then determine if the problem is a defect with the product. Once the nature of the problem is ascertained, we will notify the buyer of our planned resolution. This may include an on-site visit by KCI, Inc. for repairs, or that the buyer ships the defective part or component to us for inspection and replacement at KCI's expense.