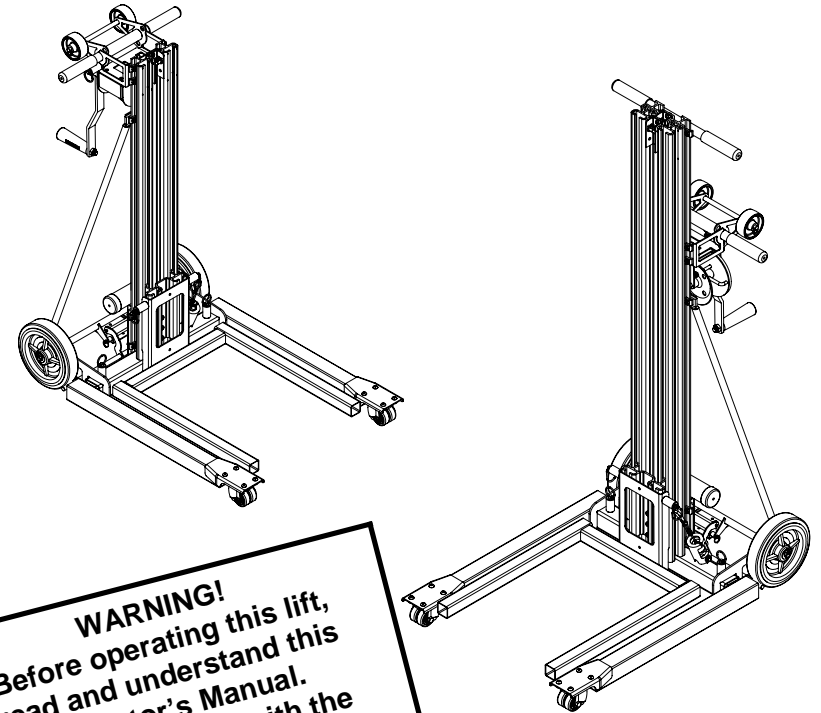
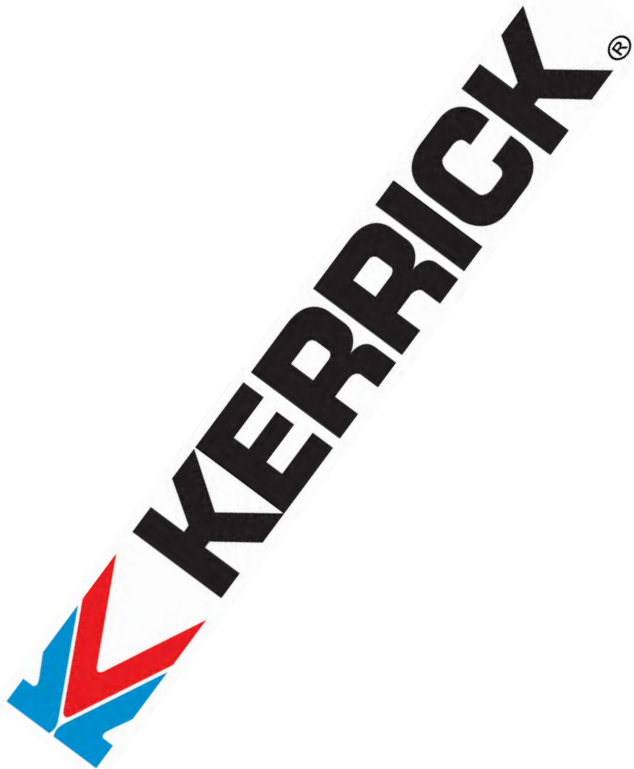


OPERATOR'S MANUAL

2200 SERIES LIFT - LIL' HOISTER



WARNING!
Before operating this lift,
read and understand this
Operator's Manual.
Become familiar with the
potential hazards of this unit.
Call SUMNER
if you have any questions.

SUMNER®

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OWNER'S RESPONSIBILITIES

Throughout this publication, the words WARNING, CAUTION and IMPORTANT will be used to alert the user to special instructions concerning a particular operation that may be hazardous if performed incorrectly or carelessly.

OBSERVE THEM CAREFULLY !!

WARNING



Hazards or unsafe practices which could result in severe personal injury or death.

CAUTION



Hazards or unsafe practices which could result in minor personal injury, product or property damage.

IMPORTANT



Indicates information or instructions that are necessary for proper operation and/or maintenance.

MAINTENANCE RECORD

[illegible]

MAINTENANCE RECORD

Lift Model Number _____

Lift Serial Number _____

Service Performed:

Action	Date
--------	------

Action	Date
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Action	Date
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Action	Date
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Action	Date
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OPERATOR SAFETY INSTRUCTIONS

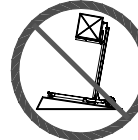


IMPORTANT

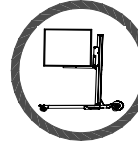
Read and understand Operators Manual before using Lift.



Inspect strap before each use. Do not use if strap is frayed, worn, cut, burnt or otherwise damaged.



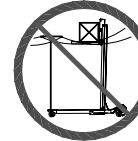
Use only on solid level surface. Keep work area clean and clear of clutter and debris.



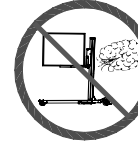
Test load balance before lifting. Do not use without properly installing legs. **Never exceed rated load capacity.**



Do not operate from an unstable platform, such as the bed of a truck.



Stay clear of overhead wires and obstructions.



Never operate in gusty winds. Lifting loads during high winds can result in the lift tipping over and the possibility of operator injury.



Do not stand under an elevated load.



Never leave lift unattended with an elevated load.



Do not use to lift personnel. Do not sit or stand on forks.



Do not climb on mast or put a side load on mast. Do not use unit to support ladders for climbing or hoisting.



Do not use unit outside in thunder, lightning, or severe weather.



Wear proper clothing. Hard hat, safety shoes and gloves should be worn as a precaution when operating this lift.

Avoid horseplay around equipment, and keep bystanders at a safe distance. Do not allow children to operate this unit and always keep them out of work areas.

Do not misuse the lift. Perform only the functions for which the lift was designed.

Never use two lifts in tandem to lift a load that exceeds the capacity of a single lift.

Prior to each use of the unit, inspect all moving parts and the lifting strap to ensure they are in proper working condition.

TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
Masts not rising in succession	Overloading Check to make sure that the load does not exceed the 300 lb/140 kilo load limit.	Remove excess weight.
	Load may not be centered properly on the forks.	Check load capacity and reposition load.
	Slideways obstructed. Inspect tracks for debris, grease, or any foreign obstruction.	Clean mast sections with a degreaser or brake cleaner and lubricate with a silicon lubricant.
	Inspect Lifting Strap for damage.	If Lifting Strap is cut, worn or frayed, replace the strap.
	Slideways are clean but masts still not sliding freely.	Inspect mast sections for damage. Replace damaged mast section.
Load is easing down slowly	The brake on the winch or ratchet dog are not installed correctly.	When load is in position, crank winch handles forward a half turn towards the lift to set the brake.
You have checked the winch and the brake does not work at all.	The brake ratchet or ratchet dog are not installed correctly or are damaged and/or worn.	Replace the winch.
The winch is hard to crank down.	The brake is over-engaged	Remove the load and turn the winch handle counter clockwise.
	The brake will not disengage	Replace the winch.
If none of these solutions seem to fix the problem...		Call distributor's Customer Service Department.
NOTE: Mast sections may rise out of succession when load is near maximum capacity. If this occurs, the masts will correct themselves during continued use or when the load is removed from the forks. Movement of the mast sections will not affect the position of the forks. The carriage must elevate to the top of the top mast section before any mast sections begin to rise, and it should lower last.		

10. Wind the slack cable tightly and evenly across the load drum.
11. Replace the winch covers.

General Maintenance:

1. Check the winch handle for wear or bends.
2. Inspect 3" roller wheels mounted on the winch for damage and smooth rotation.
3. Examine all bolts and nuts to be sure they are tight.
4. Legs, forks, braces and base should be dent free and damage free.
5. Check damage (indentations) which can restrict the rotation of the Lifting Strap.
6. Make sure Lifting Strap is seated flat and has no twists restricting rotation.
7. Check legs by sliding them into each position to check locking mechanism.
8. Inspect masts and carriage hold-down device.
9. Raise mast sections to inspect for free, smooth sliding action. Make sure slideways are free of dust and oxidation and spray a light coat of silicone lubrication in slideways.
10. Make sure caster wheels and 8" transport wheels rotate freely and are undamaged.
11. Check to be sure that all mast covers are attached to the lift.

WARNING



Replace all worn or damaged parts only with Sumner parts.

WARNING



Modifying the lift in any way can cause injury or death!

OPERATING PROCEDURE

1. Moving Lift to Work Area (No Load)

The lift is normally moved to the job site by tilting back and rolling on its 6" tires. **Note: Do not pull by the load lifting strap.**

2. Moving Lift in Work Area (With Load)

Although it is best to move the unit to the job site unloaded, light loads may be transported as long as the unit is rolled on the casters and transport wheels on a level surface. Always have the load in the lowest possible position before moving the unit.

CAUTION



If a load is being transported, it should be secured to the forks to avoid shifting.

WARNING



Moving the unit with elevated loads should be contained to short distances; i.e., 10-15 feet/4-5 meters.

If it is necessary to move the unit with an elevated load:

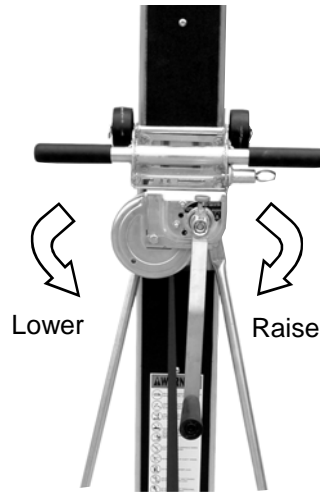
- Make sure the area is clear of obstructions
- Keep personnel away from the load and behind the operator's position
- Move the unit slowly, avoiding sudden jerky starts and stops
- Make sure the load is secure and properly balanced. Note load capacity at given centers on page 14.

3. Lifting and Lowering Loads

Use the winch to crank forks up or down into the desired position.

Any unstable load must be *balanced* and *secured* to the forks prior to lifting.

Turn winch crank clockwise to elevate the load, while watching for overhead obstructions. Turn winch handle counter clockwise to lower the load.



CAUTION



Make sure the floor surface is level.

WARNING

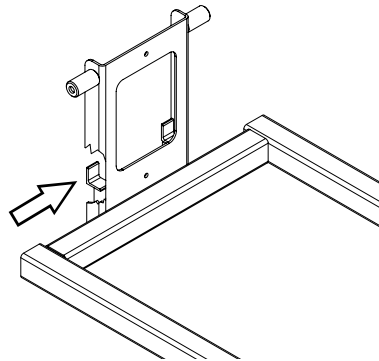


No riders allowed on this unit. This is not a personnel lift and never should be used for hoisting or moving people.

4. Removing and Reversing Forks

The forks on the 2200 series lift are removable. Removing the forks is recommended for storage and is required for reversing. The forks may be reversed to allow for an increased lifting height.

To aid in the installation and retention of the forks, a small “hook” has been placed inside the fork weldment.



MAINTENANCE INSTRUCTIONS

Before each use:

1. Inspect the lifting strap for frays, cuts or burns. If any damage is visible on the lifting strap, do not use the lift.
2. Make certain winch operates freely and lifting strap is not tangled on the winch drum.
3. Check forks, legs, and base for bends.
4. Make sure caster wheels move freely.

Recommended Inspection Every 6 Months:

1. Inspect the lifting strap for frays, cuts or burns. If any damage is visible on the lifting strap, do not use the lift.
2. Make certain winch works freely and that there are no loose or damaged parts.

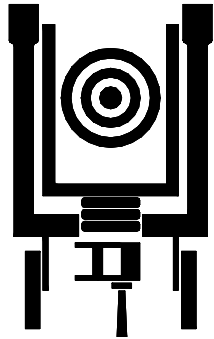
Winch Maintenance:

1. Be sure that both winch covers are on the winch.
2. Check ratchet dog and brake ratchet for wear. If any wear is visible, replace the winch. If not, lubricate both parts with a light oil.
3. Inspect gear teeth for wear. If there is no sign of visible wear, brush teeth with 50-wt. Motor oil.
4. For proper brake adjustment see “Troubleshooting” section on page 17.

Replacing the Lifting Strap:

1. Lower the carriage to engage the safety latch.
2. Remove the large gear cover from the winch.
3. Unbolt the bracket from the top of the front mast.
4. Slide the Lifting Strap Attachment Pin out of the bracket and out of the eye on the strap.
5. Use the winch to pull the old Lifting Strap through the lift. Make note of the direction of the reeve.
6. Remove the bolt attaching the Lifting Strap to the drum and remove the old Lifting Strap.
7. Pin the new Lifting Strap (non-labeled end) to the top mast bracket.
8. Re-reeve the new Lifting Strap through the lift using notes taking in step 5.
9. Attach new Lifting Strap to winch drum using bolt from step 6. **Note:** The Lifting Strap must be fed from the bottom of the winch over the right side of the drum (looking from the back of the lift). Winding the Lifting Strap over the left side of the drum will prevent the brake from working.

LOAD CAPACITY CHART



WARNING



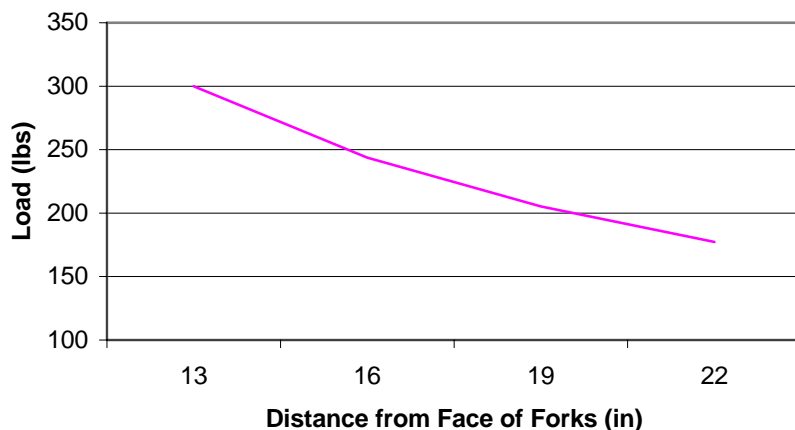
The center of gravity of the load should never extend past 20" from the carriage.

WARNING

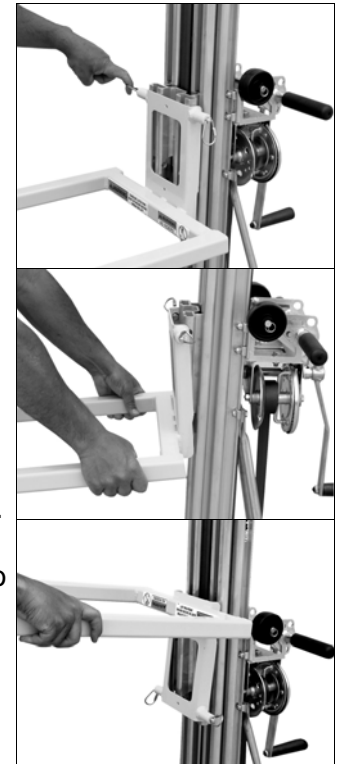


The center of gravity of the load should always be centered between the fork arms and as far back towards the lift as possible.

2200 Series Lift Capacity



To remove the forks, disengage the two spring loaded pins. Rotate the top section of the fork away from the lift while simultaneously sliding the fork down. Sliding the fork down will release the hook engagement from the back of the carriage.



Reverse this procedure to install the forks.

To invert the forks, rotate the forks 180°. Place the heel of the fork down onto the carriage. This will engage the hook onto the back of the carriage. Pull rings on the spring loaded plungers simultaneously while rotating the fork assembly back towards the lift.

5. Using the Legs

The 2200 Series Lift will arrive with the legs in the upright storage position. Before attempting to attach the forks and use the lift, the legs must be rotated to the operating position.

CAUTION



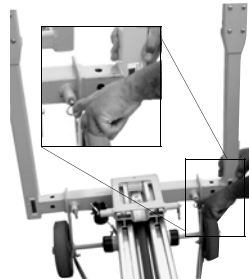
Attempting to install the forks and/or use the lift with the legs in the storage position will result in the lift being unstable.



To reposition the legs, lay the lift down on a flat level surface.



Using one hand, pull the spring loaded pin while sliding the leg out of the base with the other hand. Rotate the leg 90° and reinsert it into the base with one hand while pulling the spring loaded plunger with the other hand. Repeat this procedure for the other leg.



The legs can be positioned in two configurations, narrow and wide. The narrow configuration allows access into confined spaces. While not required, the wide configuration allows for greater stability on lifts greater than 8 ft.



WARNING



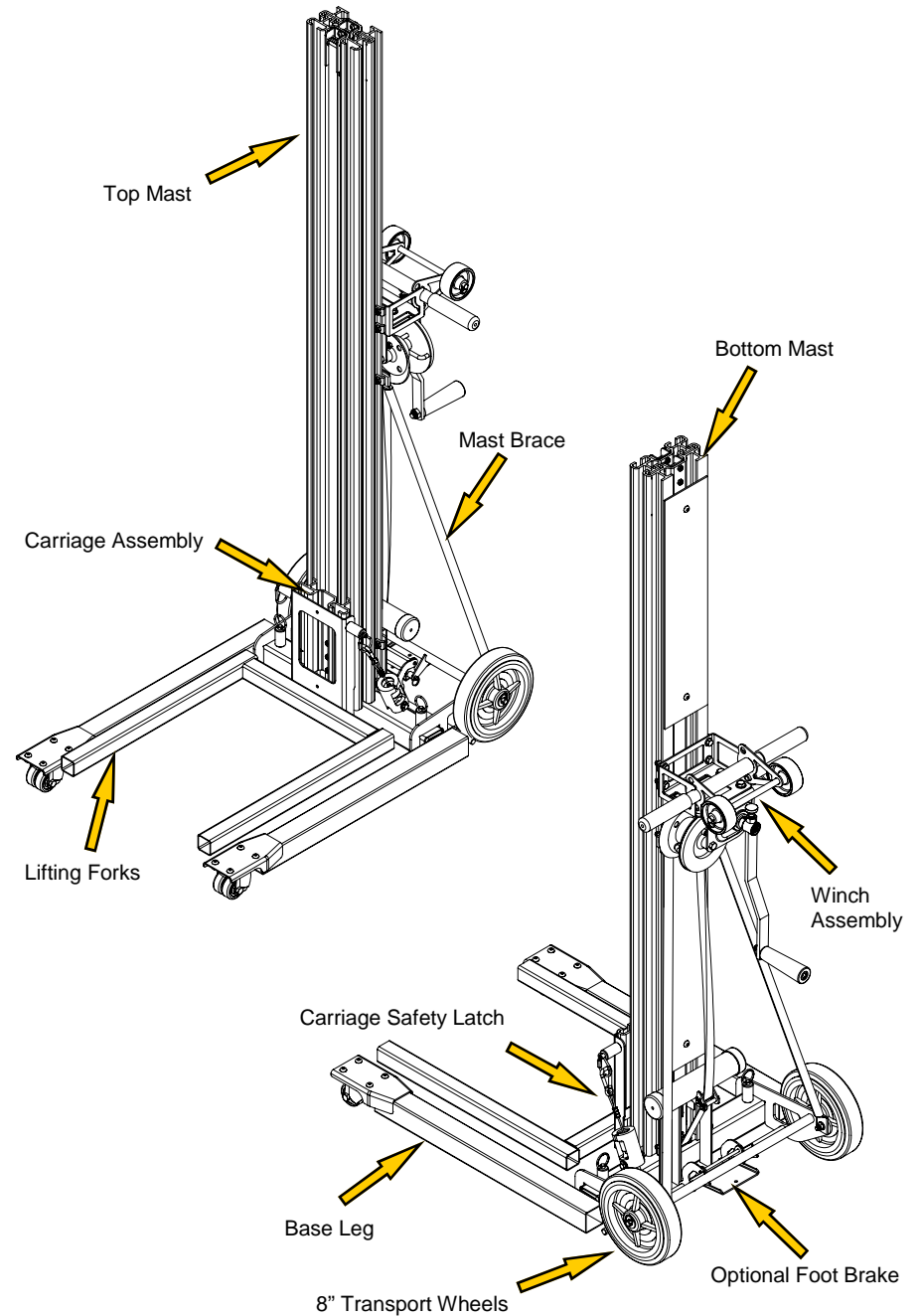
Lifting a load without the spring loaded pins fully engaged in the leg locating holes can cause the lift to become unstable and/or tip over.

6. Carriage Safety Latch

The 2200 Series Lift will arrive with the Carriage Safety Latch engaged to the carriage. The purpose of the latch is to prevent the mast sections from extending during transportation. To use your lift, disengage the Safety Latch from the carriage and install the legs and forks into their operating positions.



LIFT DIAGRAM



SPECIFICATIONS

	2204		2206		2208		2210	
Dimensions	(in.)	(cm)	(in.)	(cm)	(in.)	(cm)	(in.)	(cm)
Height Stowed	57.7	146.6	43	109.2	57.7	146.6	69.7	177.0
Length Stowed	12.5	31.8	12.5	31.8	12.5	31.8	12.5	31.8
Height Operating	57.7	146.6	43	109.2	57.7	146.6	69.7	177.0
Length Operating	40.3	102.4	40.3	102.4	40.3	102.4	40.3	102.4
Base Width (Narrow)	25.3	64.3	25.3	64.3	25.3	64.3	25.3	64.3
Base Width (Wide)	31.3	79.5	31.3	79.5	31.3	79.5	31.3	79.5
Ground Clearance	0.8	2.0	0.8	2.0	0.8	2.0	0.8	2.0
Load Height (minimum)	1.5	3.8	1.5	3.8	1.5	3.8	1.5	3.8
Maximum Height (forks down)	49.7	126.2	65.9	167.4	95.9	243.6	119.9	304.5
Maximum Height (forks up)	62	157.5	78.2	198.6	108.2	274.8	132.2	335.8
Fork Specifications								
Fork Width	17.7	45.0	17.7	45.0	17.7	45.0	17.7	45.0
Fork Length	21	53.3	21	53.3	21	53.3	21	53.3
Fork Weight	10.6	26.9	10.6	26.9	10.6	26.9	10.6	26.9
Weight								
Net Weight	83 lb	38 kg	89 lb	41 kg	95 lb	43 kg	106 lb	48 kg
Load Capacity (13" L.C.)	300 lb	140 kg	300 lb	140 kg	300 lb	140 kg	300 lb	140 kg

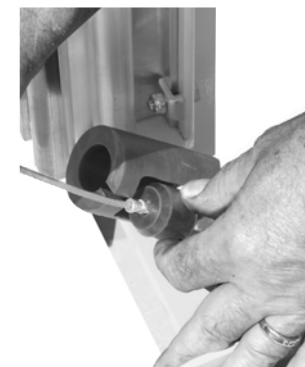
The Carriage Safety Latch may be engaged to either the carriage or the forks. When engaging onto the forks, lower the carriage all the way down. Clip the Safety Snap onto the Safety Latch Loop on the side of the Fork Assembly.



Reverse this procedure to remove the Safety Latch.

When operating the lift, the Safety Latch can be looped onto itself for out-of-the-way storage.

In the event that you accidentally crank on the winch before disengaging the Safety Snap, the rubber stopper will be pulled through the housing, preventing damage to the lift. To reset the Safety Latch, replace the rubber stopper into the housing using the side access slot.



7. Storing and Transporting the Lift

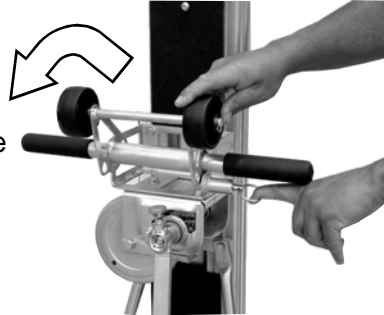
To store and/or transport the lift, remove the forks (described in section 4), place the legs in the storage position (described in section 5 and reverse the winch handle.

To reverse the winch handle, pull the spring loaded pin with one hand while sliding the handle off with the other hand. Rotate the handle 180° and reinstall. This places the winch handle in a secure location for transportation or storage.





With the legs and winch handle in the storage positions, the lift is compact and can be stowed easily in the upright position.



When transporting the lift, it may be necessary to use the 3" winch transport wheels to aid in loading the lift in a truck or van. To do this, pull the spring loaded pin with one hand, while rotating the wheel assembly with the other. When the wheel assembly is fully rotated, the spring loaded pin will lock it in place. **Note: With the 3" wheels rotated out and locked into the transport position, the winch handle can not be rotated.**



To load the lift into a truck or van, lean the lift back onto the winch side until the 3" wheels contact the truck bed. Raise the bottom end of the lift, and roll the unit into position.

CAUTION



Make sure the Mast Safety Latch is securely attached to the carriage/forks before transporting the lift.

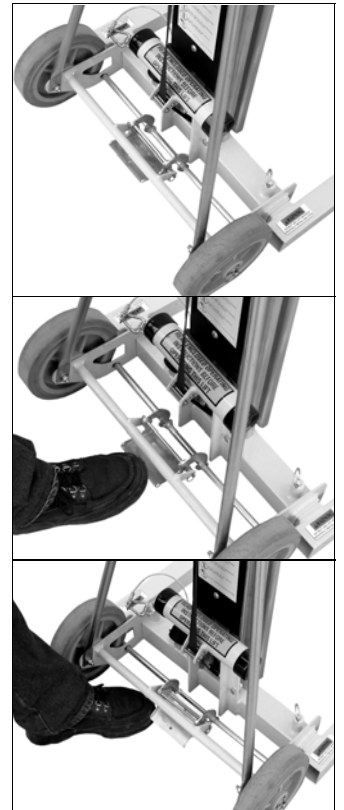
OPTIONS

Foot Brake (784218)

The 2200 Series Lift can be outfitted with an optional foot brake. The brake can be installed at the factory, or can be ordered as an add on item at any time. When engaged, the brake will prevent the 8" transport wheels from rotating.

To operate the brake, press the brake pad with your foot until the brake locks into place. When you hear the "snap" you know the brake is locked into place.

To release the brake, slide your foot underneath the brake pad and raise up until the brake unlocks. When you hear the "snap" you will know the brake is unlocked.



Work Tray (784240)

The 2200 Series Lift can be outfitted with an optional work tray. The tray slides easily on and off without removing the existing forks.

CAUTION



Safety Brakes are recommended when using the optional work tray.



Dually Wheel Kit (784258)

The 2200 Series Lift can be outfitted with an optional dually wheel kit. The dually wheels provide extra support when the lift is used as a hand truck or when it is used on irregular terrain.

