

Sumner 2100 Series Contractor Lift

Moving lift to Work Area (No Load)

- The lift is normally moved to the job site by rolling on its 10" tires or four caster wheels. **Note:** Do not pull by the load lifting cable.
- **IMPORTANT!** Before tilting unit to reclined position, the carriage must be lowered all the way down and the Carriage Safety Latch must be engaged.
- **CAUTION** Always use proper lifting techniques.
- To tilt the unit into position for transport; from a squatting position, grasp the legs just past the casters and while keeping your back straight, lift upwards to a standing position. The unit is now ready to transport on its 10" wheels.
- If it is necessary to go under a low doorway or obstruction, the unit may be reclined onto the 3" wheels located on top of the masts sections and on the winch.
- **CAUTION** Never allow anyone to stand directly behind the mast while the unit is tilted.

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 four caster wheels and on a level surface. Always have the load in the lowest possible position before moving the unit.
- **CAUTION** 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.
- **WARNING** Do not extend load centers beyond fork ends by modifying the lift. Lift may become unstable.

REVERSING THE FORKS

- Disengage 4 spring-loaded pins. Rotate fork assembly 180 degrees. Engage the 4 spring-loaded pins.
- Reverse above procedure to return the forks to their normal position.

LIFTING AND LOWERING LOADS

- Use the winch to crank forks up or down into the desired position. Then crank winch handles up about 1/4 turn to set the safety brake.
- Any unstable load must be *balanced and secured* to the forks prior to lifting.
- Turn winch clockwise to elevate the load, while watching for overhead obstructions.
- **CAUTION** Make sure the floor surface is level.
- After load is removed from the forks, lower masts by turning winch crank counter clockwise. Lock caster brakes when leaving unit unattended.
- **WARNING** No riders allowed on this unit. This is not a personnel lift and never should be used for hoisting or moving people.

USING THE STABILIZER LEGS

- Use of the stabilizer legs is recommended for all lifts with loads weighing 400 pounds or more extended to heights greater than 12 feet, or for any large, bulky loads.
- Position the lift on a level surface and pull the stabilizer legs down until the caster on each leg is snugly on the floor.
- **WARNING** Never operate lift during high wind conditions.

FOLDING THE BASE LEGS

- Lower the carriage all the way down and engage the Carriage Safety Latch. Tilt the unit over onto the winch wheels.
- **CAUTION** Do not drop the unit. Lower the unit by bending your legs—not your back!
- Press leg lock pin until top of pin is flush with side of leg mount housing.
- While holding in pin, slide leg up until the leg lock pin reaches the end of the slot in the leg mount housing.
- While pulling up, fold leg over until leg lock pin engages.
- To insure that the leg is locked into position, the locking pin mechanism must be flush with the side of the leg mount.
- Reverse procedure to fold leg down.

STORING THE FORKS

- Using two hands pull the lower 2 spring-loaded rings located above the fork arms and simultaneously rotate the fork outward.
- Again, using two hands, pull the upper 2 springloaded rings located at the top of the fork assembly and remove the forks from the carriage.
- While pulling out on the upper 2 spring-loaded rings, reposition the upper 2 spring-loaded pins so that they align with the top two holes in the carriage and release the rings.
- Once the pins are locked in the holes, the carriage can be rotated up into the travel/storage position.
- Lift may be stored in the upright, compact position.
- **CAUTION** Once the forks are rotated up they must be secured to prevent them from falling back.

- **CAUTION** Carriage must be secured with Shipping Eye prior to moving.

LOADING INTO VANS/TRUCKS

- Fold the base legs and fork assembly.
- Tilt the unit back onto the winch side and slide the masts in first.
- Lift the base end and roll the lift on the 3" wheel and 10" transport wheels.
- Tie the unit down to prevent movement during transport.
- Unit may be loaded with a crane.
- Unit must be in upright and compact position with legs, forks, and stabilizers securely in their stored positions.
- If unit has any loose or unsecured items, remove them.
- Attach lifting hook to top roller bar located on top of bottom mast. Before elevating unit, lifting hook should always point away from the lift.

CARRIAGE SAFETY LATCH

- **Securing the Carriage:** Lower the carriage all the way down. With the forks in place, engage Safety Snap onto Safety Latch Loop on side of Fork Assembly. Reverse this procedure to remove the Safety Latch.
- **During Operation:** The Safety Latch can be looped onto itself for out-of-the-way storage.
- **Resetting Safety Latch:** 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.

SAFETY BRAKES

- The Safety Brake will automatically engage when the unit is horizontal, preventing disassembly of the mast sections. When this occurs, the masts will extend, but not retract. A special tool, which can be found in the Operator's Manual tube, is required to release the brakes. If the tool is lost or damaged, one can be made simply from a piece of 1/8" to 1/4" diameter steel rod 9" long with both ends bent into an "L" shape 1-1/4" long.
- To release the brake, lay the lift back onto the winch wheels and place the tool into brake access slot located on the left side of the lift, and through the hole in the counterweight. Pull the tool down and the brake will release.
- It may be necessary to push the locked mast (or Carriage) up slightly while pulling down on the tool. Once the brake is released, maintain pressure on the tool and slide the mast sections apart. Repeat for each mast section.
- When the brake is engaged, it will be possible to see the Brake Cam acting on the Adjacent mast section. Once the brake is released, it will rotate around into its normal position and will not be visible.

FORK EXTENSIONS:

- To use fork extension, press plunger on each fork arm and slide extensions out of tube until plungers lock into position. Reverse these steps to reinsert the extensions.

BOOM

- To use Boom, pull spring-loaded ring and slide hook housing to desired station. Release spring-loaded ring, making sure that the plunger engages into the locating hole.

BOOM CAPACITY CHART

	Station 1	2	3	4	5
Lbs.	650	525	425	300	200
Kg.	300	240	195	140	90