

# *THE ULTIMATE 1000 LIFT™*

## **Manual** **Operation & Maintenance**

**Model**  
**ML-023**

**MORTUARY LIFT™ COMPANY**

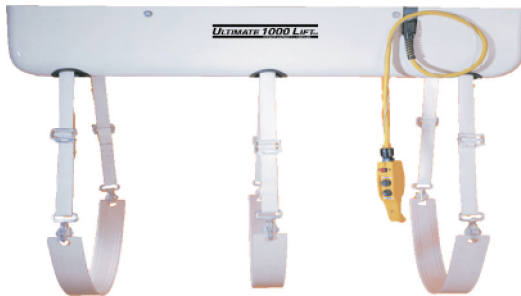
**A L i f t i n g E x p e r i e n c e ™**



127 Cottage Grove Avenue S.E.  
Cedar Rapids, Iowa 52403  
800-628-8809 • 319-364-4910  
[www.mortuarylift.com](http://www.mortuarylift.com)

# OPERATION INSTRUCTIONS

## *THE ULTIMATE 1000 LIFT™*



- The lift is capable of raising and lowering deceased remains with the GLIDETEC™ STRAPS attached to the white nylon straps and/or caskets with black nylon casket straps.
- Use black nylon casket straps with remains 400lbs and up.
- To raise remains or caskets, secure using designated straps under the remains/casket and/or to the white nylon straps, press the “raise” button on the ONE TOUCH CONTROL UNIT or WIRELESS REMOTE CONTROL.
- To lower remains press the “lower” button on the ONE TOUCH CONTROL UNIT or WIRELESS REMOTE CONTROL.

**CAUTION:**



1. Never lift a living person with the lift.
2. Never lift remains more than three feet above a casket or preparation table unless they are in a locked casket.
3. Never lift a casket from one floor to the next without first locking the casket closed.
4. Black nylon straps are used to lift caskets and remains weighing over 400lbs, up to 1000lbs.
5. Never place black nylon casket straps under the casket. Always go over the top of the casket.
6. Never use the lift to lift a casket that does not have a middle hinge.
7. Never lift anything that is not human remains or a casket.
8. Never stand under the machine when there is a body or casket on it.
9. Never use GlideTec™ straps for bodies over 400lbs.

# GlideTec™ Body Straps:

## 400lbs CAPACITY

(For bodies weighing over 400lbs use black nylon casket straps)

These are the white plastic straps that are 36" in length.

➤ **Yearly replacement recommended**

### Strap Placement:

To be used when lifting remains.

- Place one strap under the shoulder region
- One under the buttock/lower back region
- One under the knee region

1. To place straps under the body, two techniques may be used:

- a) Start from either the left or right side of the remains, take one end of the strap and push it under the selected region.
- b) Start from the head region and shimmy the strap down the length of the remains. This is the preferred technique in large cases.

2. Attach hooks from the white nylon straps to the grommets of the GlideTec™ straps.

3. Attach the head sling straps hooks to the white nylon straps.

4. Use the attached yellow pendant or the wireless remote control, depending on your model, to raise and lower the body.

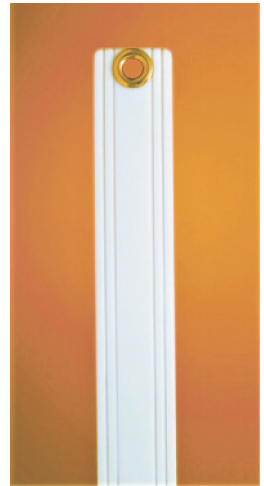


**When  
using  
GlideTec™  
straps  
DO NOT  
exceed  
400lbs.**



## GlideTec™ Body Strap Tips:

- a) Sliding a strap under the knee region and lifting with the machine will help when trying to slide a strap under the buttock/lower back region.
- b) Slide one strap under the lower back region and lift the remains. This will allow enough room under the remains to help with dressing or adjusting garments.



### **Inspect GlideTec™ body straps regularly for the following damage:**

1. Stretching or tearing of plastic is visible.
2. Cracking of plastic is visible.
3. Excessive abrasive wear.
4. Metal grommets are loose or broken

## Head Sling:

- Yearly replacement recommended.
- This is the eye shaped plastic coated piece which has nylon webbing sewn to it.
- Webbing can be adjusted to accommodate your needs.
- Hooks on the head sling are to be attached to the two rings that are attached to the two white nylon straps at the head end of the machine.



## Black Nylon Casket Straps:

These are the black nylon straps, which are 8' in length and have a metal "D" ring at each end.

- **Use when lifting a casket and/or remains over 400lbs.**
- **Yearly replacement recommended.**

### The recommended way to lift a casket is to:

1. Lock the casket closed.
2. Attach one end of the black nylon casket strap to the corresponding white nylon strap hanging from the machine.
3. With the free end of the black nylon casket strap, weave up and between the casket side bar and the casket, making sure you are between the end hinge and the middle hinge (hinges connect the side bar to the casket.)
4. Bring the casket strap over the top of the casket.
5. Weave the strap down the other side between the casket and casket side bar. Again, making sure you are between the end hinge and the middle hinge.
6. Bring the casket strap up on the outer side of the casket side bar.
7. Attach the free end of the casket strap to the corresponding white nylon strap hanging from the other side of the machine.
8. Continue to do the same for the other two casket straps.
9. Once this has been done to all three straps, you are ready to lift the casket.



**DO NOT lift caskets that do not have a center hinge that connects the side bar to the casket.**



## White Nylon Lifting Straps:

These are the six white nylon lifting straps that extend down from your machine. They are available in 10', 15' and 20' lengths. They have an adjustable slide and hook at the end of each strap. They attach to the pulley wheels located within the machine housing. Each strap is held in place by a sheer pin & cotter pin.

### ➤ **Yearly replacement recommended**

### **White Nylon Lifting Strap Tips:**

- ❖ If your strap/s become twisted over time, wet the strap in its entirety and raise the strap up into the machine while keeping it straight. Let them set over night to flatten. Repeat as necessary.
- ❖ If you have a strap winding in the opposite direction as the others, unplug your machine and reach up to loop the strap over the pulley wheel spool. Plug machine back in.
- For Strap Replacement instructions refer to our resources tab at: **[www.mortuarylift.com](http://www.mortuarylift.com)** for more information.
- Call manufacturer for assistance if needed.

### **ALWAYS INSPECT YOUR STRAPS:**

To ensure that our products remain in good condition, make sure you regularly inspect your straps for excessive wear and or damage.

### ***Remove straps from service if any of the following damage occurs:***

1. Excessive abrasive wear.
2. Cuts, tears, holes, snags, or embedded particles.
3. Broken or missing stitches in load bearing splices.
4. Melted or charred spots.
5. Damaged/deformed eyes and/or fittings.
6. Knots in any part of the straps.
7. Any other visible damage which causes doubt as to strength and safety.
8. Hooks or buckles are cracked or damaged in any way.
9. Any cotter pin and or sheer pin breakaway.  
(holds straps to pulley wheels)

### **NOTE:**

Never attempt to make a temporary strap repair.

## Track Systems:

**THE ULTIMATE 1000 LIFT™** moves manually along the track. The machine can be pulled by any of the six white nylon lifting straps. Simply hold the white nylon strap above the buckle and pull the remains/casket to the necessary position.

**CAUTION:**



**Check ceiling attachments yearly.  
Tighten bolts as necessary.**

## Pivot Systems:

The Freedom Pivot allows the **THE ULTIMATE 1000 LIFT™** to pivot 180°.

(See Freedom Pivot Installation manual for more details.)



**DISCONTINUE USE & CALL MANUFACTURER IF YOUR MACHINE IS SPINNING 360°. FAILURE TO DO SO MAY CAUSE SERIOUS BODILY INJURY INCLUDING DEATH.**

**CAUTION:**



1. Check pivot bolt yearly.
  - a) There should not be a gap between the metal base plate of the machine and the trolley. If there is a gap, **DISCONTINUE USE** until the bolt has been tightened.
2. Always leave one set screw in pivot.

### **WARNING!!**

**Failure to read, understand and follow these instructions may result in severe injury or death to you and/or others.**



### **WARNING!!**

**DO NOT HIT THE UP OR DOWN BUTTON IN QUICK FIRE SUCCESSION on remote. THIS MAY CAUSE YOUR BOARD TO OVERHEAT & FAIL. Misuse may VOID WARRANTY.**

## **Inspection & Maintenance:**

To keep your machine operating like new you will need to complete regular inspections & maintenance. Failure to do so may void warranty. This is a overhead crane and should be maintained yearly. More if you are a high volume facility.

**Inspect all facets & components of the system**

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### **including but not limited to:**

- The Ultimate 1000 Lift™ & accessories
- Track system
- Gantry system
- Wireless remotes and/or the One Touch Pendant Control.

See Inspection & Maintenance Checklist as a reference.  
Call manufacturer for assistance and/or questions.  
Refer to our resources tab at: **[www.mortuarylift.com](http://www.mortuarylift.com)**  
for more information.



# REMINDERS

1. Never operate without the cover on the machine.
2. Never remove warning stickers from cover of the machine.
3. Check integrity of nylon lift straps before each use.
4. Check integrity of nylon lift strap hooks before each use.
5. Check integrity of GlideTec™ straps before each use.
6. Check integrity of black nylon casket straps before each use.
7. Internally inspect and service machine yearly.
8. Never remove direction labels on the One Touch Pendant Control Unit or Wireless Remote Control Unit.
9. Never place hand inside the cover of the machine when machine is plugged in.
10. Never attempt to lift more than the specified weight limit:
  - a) up to 400lbs with the white plastic GlideTec™ straps
  - b) up to 1000lbs with the black nylon casket straps
11. Never stand under the machine when it is lifting a casket or cadaver.
12. Never attempt to use nylon lift straps as a substitute for GlideTec™ straps or casket straps.
13. Do not lift caskets that do not have a “center hinge” that connects the “side bar” to the casket.
14. Do not hit the “UP” and/or “DOWN” button in a QUICK FIRE SUCCESSION on the wireless remote. This may cause your board to overheat and FAIL. Misuse may VOID WARRANTY.
15. **UNPLUG THE MACHINE if the One Touch Pendant Unit/ Wireless Remote Control Unit FAILS TO STOP THE MACHINE FROM GOING UP AND/OR DOWN. Do this to prevent potential damage to self, others or property.**



**UNPLUG THE MACHINE IF THE ONE TOUCH CONTROL UNIT/REMOTE CONTROL FAILS TO STOP THE MACHINE FROM GOING UP AND/OR DOWN.**

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*A Lifting Experience™*



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Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Phone: \_\_\_\_\_  
 Serial Number: \_\_\_\_\_

**THE ULTIMATE 1000 LIFT™**  
**INSPECTION & MAINTENANCE CHECKLIST**

**Annual Recommended Replacement Parts (regardless of inspection)**

<b>Date</b>	<b>Description</b>	<b>Part#</b>
_____	White Nylon Lifting Straps (set of 6)	RP-011 <i>define length</i>
_____	GlideTec™ Body Straps (400lbs. capacity)	RP-012
_____	Head Sling	RP-013
_____	Black Nylon Lifting Straps 8' length (with D ring)	RP-014
_____	Pivot Bolt/Load Cell Bolt	F-542/ F-653

**The Ultimate 1000 Lift™ Inspection Check List**

**External Parts**

- \_\_\_ Inspect all straps for rips, punctures, fraying, cracks, bent hooks, wear & tear.
- \_\_\_ Inspect the head sling for fraying, loose parts, broken hooks & damage.
- \_\_\_ Inspect all cords & ends for fraying, cracks, tears, cuts & loose parts.

**Chain & Sprocket** (suggested: CRC - Power Lube - Multi purpose lubricant)

- \_\_\_ Inspect chain links, lubrication & half link. Ensure cotter pin is secure.
- \_\_\_ Check & tighten set-screw in sprocket.

**Gears** (suggested: Lucas Heavy Duty Grease X-Tra)

- \_\_\_ Inspect gears for breaks, wear, chips & rounded edges.
- \_\_\_ Make sure gears & sprocket are tight together & secure to gearbox shaft. (set screws)
- \_\_\_ Check & ensure set screw on sprocket is tight.
- \_\_\_ Grease gears as needed with lithium grease.

**Pillow Blocks - Zerks (grease fitting)**

- \_\_\_ Grease zerks with one squirt of a grease using a grease gun.
- \_\_\_ Make sure bolts & set-screws are tight & secure.

*Continued on next page...*

**PLEASE CALL MORTUARY LIFT COMPANY, INC.**  
**WITH ANY QUESTIONS**

*... check list continued.*

**Pulley Wheels (White lifting straps are attached to them)**

- \_\_\_ Remove cotter pins & shear pins, inspect for wear & tear on shear pin.
- \_\_\_ Inspect for grooves, breaks & damage.
- \_\_\_ Replace nylon lifting straps, cotter pins & shear pins annually.

**Motor**

- \_\_\_ Inspect & make sure mounting bolts are tight & secure.
- \_\_\_ Inspect gear box for any cracks & leaks.

**Receiver Board** (please do not touch the board as this may cause malfunctions)

- \_\_\_ Visually inspect the receiver board for any loose or stray wires.

*\*If you observe any concerns - please call Mortuary Lift for directions.*

**Base Plate**

- \_\_\_ Inspect base plate welds (ensure no detachments or cracks).

**Freedom Pivot Option** (allows the Ultimate 1000 Lift™ to pivot 180°)

- \_\_\_ Pivot **MACHINE SHOULD NOT SPIN 360°**  
**(Liberally apply thread-lock on all of the 5/8" - 11 bolt threads).**
- \_\_\_ Ensure there is no gap between the metal base plate of the machine & trolley.
- \_\_\_ Always ensure one set screw is in place on pivot.
- \_\_\_ Tighten set screw on side of trolley (wheels).
- \_\_\_ Grease pivot twice a year.
- \_\_\_ Replace pivot/load cell bolt every 5 years

**TRACK SYSTEMS**

**Track**

- \_\_\_ Check ceiling attachments annually, tighten bolts as necessary.
- \_\_\_ Tighten set screw on side of trolley.
- \_\_\_ Tighten end stop bumpers.

**Gearbox (Models- ML-011, ML-012 & ML-016W/OS)**

- \_\_\_ Make sure breather plug has been installed.
- \_\_\_ Check for leaking from seals.
- \_\_\_ Wipe seals clean.

***PLEASE CALL MORTUARY LIFT COMPANY, INC.  
WITH ANY QUESTIONS***

*... check list continued.*

### **TO REPLACE OIL:**

- \_\_\_ Place receptacle under gearbox.
- \_\_\_ Remove screws from bottom plate of gearbox to release oil.
- \_\_\_ Clean seals where bottom plate was removed with rubbing alcohol.
- \_\_\_ With silicon glue re-apply a seal around the whole opening of bottom plate.
- \_\_\_ Replace bottom plate.
- \_\_\_ Wipe off excess silicone.
- \_\_\_ Let dry 24 hours.
- \_\_\_ See Notes "To Fill Lost Or Low Oil"

### **TO FILL LOST OR LOW OIL:**

- \_\_\_ Remove the fill plug located under the breather plug.
- \_\_\_ Using a oil pump dispenser fill with **600 weight cylinder oil** until it seeps out of the fill plug hole.
- \_\_\_ Replace fill plug.

### **LOAD CELL MAINTENANCE**

- \_\_\_ Replace bolt yearly
- \_\_\_ Check seating of the load cell in keyways of pivot, trolley or load cell plate. Make sure that the load cell key fits securely in the keyway of the pivot spindle, trolley or load cell plate
- \_\_\_ Check for cracks or wear in the load cell
- \_\_\_ Check load cell cables of kinks or loose wires.

### **PERSONAL NOTES:**

***PLEASE CALL MORTUARY LIFT COMPANY, INC.  
WITH ANY QUESTIONS***

# **THE ULTIMATE 1000 LIFT™**

## **RECOMMENDED CLEANING INSTRUCTIONS**

### **White Plastic Machine Cover:**

- Spray with a non abrasive household cleaner such as 409® or Windex®
- You may use a Magic Eraser to remove scuff marks

### **White Nylon Lifting Straps:**

- You may disinfect with a diluted bleach spray
- Follow-up by spraying fresh water on straps

### **White Plastic GlideTec™ Straps:**

- Wash with hot soapy water
- You may disinfect with a diluted bleach spray

### **Head Sling:**

- Wash in warm water in a washing machine (put in garment bag)
- Do not use bleach
- Do not machine dry
- Air dry only

### **Black Nylon Casket Straps:**

- Wash in warm water in a washing machine (put in garment bag)
- Do not bleach
- Do not machine dry
- Air dry only

***PLEASE CALL MORTUARY LIFT COMPANY, INC.  
WITH ANY QUESTIONS***

# LIMITED WARRANTY MORTUARY LIFT MODELS

## ML-018P

Mortuary Lift Company, Inc. ("MLC") warrants this product against defects in materials or workmanship as follows:

### *THE ULTIMATE 1000 LIFT™*

- 1.) For a period of six months from the date of purchase by the original retail purchaser, MLC or an authorized representative will repair or replace, free of charge, any part of the product, except for light bulbs and batteries, which its examination shall be disclosed to be defective in workmanship or materials.
- 2.) For a period of one year from the date of purchase by the original retail purchaser, MLC or an authorized representative will repair or replace any part of the product which its examination shall disclose to be defective in workmanship or material, except for any GlideTec™ straps, casket straps, nylon straps, track system parts, wireless remotes or head slings. Such repair or replacement shall be free of charge, except for the cost of labor and shipping involved in such repair or replacement.
- 3.) For a period of ten years from the date of purchase by the original retail purchaser, MLC or an authorized representative will repair or replace the metal base of the product if an examination shall disclose such base to be defective in workmanship or material. Such repair or replacement shall be free of charge, except for the cost of labor and shipping involved in such repair or replacement.

This limited warranty applies only when the product is used and cared for as described in the instructions provided with the product. Improper use and/or care may void this warranty. This limited warranty further applies only to the original purchaser, and the warranty period begins the date the product was first purchased by the original purchaser or the date the original purchaser received it if they have proof of the delivery date. The limited warranty is not transferable or assignable in any manner. MLC offers no warranties or guarantees of any kind for products manufactured or installed by others, and assumes no liability for any products or installations.

**MONEY BACK GUARANTEE** if the original retail purchaser is not satisfied with product. MLC will refund to such purchaser the full purchase price, subject to a \$2,500.00 restocking fee, provided the purchaser returns the product in all the original packaging with all shipping and freight insured by the purchaser, in good condition to MLC within 60 days from the date of purchase. Cut track is non-refundable. If an order is canceled one month after placing an order, a \$1,000 cancellation fee will be accessed. If after 6 months, a full \$2,500 cancellation fee will be accessed.

**HOW TO OBTAIN WARRANTY SERVICE:**

**For warranty services call (800) 628-8809 or (319) 364-4910 or write to:**

**Mortuary Lift Company  
127 Cottage Grove Avenue S.E.  
Cedar Rapids, Iowa 52403**

Units returned to MLC under this warranty must be shipped to the following address freight prepaid:

**Mortuary Lift Company  
329 10th Avenue S.E., Suite 213  
Cedar Rapids, IA 5240 I**

Replacement units shipped to the customer will be sent freight prepaid by MLC.

# WARRANTY LIMITATIONS

This limited warranty does not apply in the case of damage to the unit due to freezing, fire, flooding, accident, misuse, abuse, alteration, improper handling and/or improper installation. In no event will Mortuary Lift Company, Inc. be liable for incident or consequential damages from a defective unit or improper installation.

THIS LIMITED WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND ANY OTHER OBLIGATION OF MORTUARY LIFT COMPANY. THIS LIMITED WARRANTY IS NOT VALID UNLESS THE PRODUCT IS PURCHASED FROM AN AUTHORIZED MLC DEALER OR DISTRIBUTOR. ALL PARTS, INCLUDING TRACK SYSTEMS, MUST BE SUPPLIED BY MLC TO THE END USER OR TO AN AUTHORIZED DISTRIBUTOR FOR WARRANTY TO BE VALID.

There is no warranty which extends beyond the description on the face hereof, and no person, representative or firm is authorized to commit MLC to further liability or obligation. This warranty is understood to be the complete exclusive agreement between the parties, superseding all prior agreements, oral or written, and all other communications between the parties relating to the subject matter of this agreement.

## LIMITATIONS OF REMEDIES

In no cases shall MLC be liable for any special, incidental, or consequential damages based upon breach of warranty, breach of contract, negligence, strict tort, or any legal theory.

## YOUR RIGHTS UNDER THE STATE LAW:

This limited warranty gives you specific legal rights. You may also have additional rights under the laws of your state.


**THE WARRANTY/REPLACEMENT REGISTRATION SHEET, ENCLOSED, MUST BE COMPLETELY FILLED OUT AND RETURNED TO MORTUARY LIFT COMPANY, WITHIN 30 DAYS OF RECEIPT OF MACHINE. IN ORDER TO VALIDATE THIS LIMITED WARRANTY/REPLACEMENT OFFER AND ESTABLISH YOUR DATE OF PURCHASE.**

DATE OF PURCHASE  
\_\_\_\_/\_\_\_\_/\_\_\_\_

MODEL# \_\_\_\_\_  
SERIAL# \_\_\_\_\_

*(See sticker on base of machine & invoice)*

**DETACH & MAIL TO:** **MORTUARY LIFT™ COMPANY**  
*A Lifting Experience™*



**MORTUARY LIFT COMPANY**  
127 COTTAGE GROVE AVE S.E.  
CEDAR RAPIDS, IOWA 52403

NAME \_\_\_\_\_  
BUSINESS NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_  
PHONE \_\_\_\_\_  
PURCHASE DATE \_\_\_\_\_ SERIAL # \_\_\_\_\_  
ITEM PURCHASED FROM \_\_\_\_\_

Revised 12/04/2023

# MORTUARY LIFT™ COMPANY

A L i f t i n g E x p e r i e n c e ™



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