

# Wrestling Mat Lifters

## Operation Instructions, Maintenance & Warranty

# DRAPER

### Raising & Lowering the Mat Lifter

- 1 **Make sure the area below and around the mat lifter is clear.**  
Place the key in the key switch. By rotating and holding the key in the desired position, the Mat Lifter can be raised or lowered. Key is to be retained by a designated authorized person. NEVER leave the key in the key switch unattended.

### Storing the Mat Lifter

- 1 To store the mat, lower the Mat Lifter until the empty mat sling has contacted the floor. When lowering, NEVER allow the ropes to go slack by permitting the load bar to contact the mat or any other object See Fig ①).
- 2 Unhook the sling rings from one side of the load bar. Spread out the sling and straps on the floor making sure that there are NO twists, wrinkles, or any overlapping material.
- 3 For proper mat storage, the mat must be rolled evenly and snugly. Make sure that the mat is approximately the same diameter at both ends.
- 4 Roll the mat onto the sling. The mat must be evenly spaced, centered on and square to the sling.
- 5 Attach all sling rings to their corresponding hooks on the load bar. Do NOT allow the sling straps to be twisted when attaching.  
  
Mat length is 40', end of the mat will be even with the sling.  
Mat length is 42', end of the mat will be 1' over the end of the sling.  
Mat length is 45', end of the mat will be 2 1/2' over the end of the sling.
- 6 Carefully raise the Mat Lifter so that the mat is just clear of the floor. Check that all sling rings are properly attached and that there are NO twisted sling straps. When viewed from the front, straps should be reasonably vertical. Do NOT continue raising without this inspection. If necessary, perform any corrective action required by lowering the mat to the floor, correcting the problem, and re-inspecting before raising again.

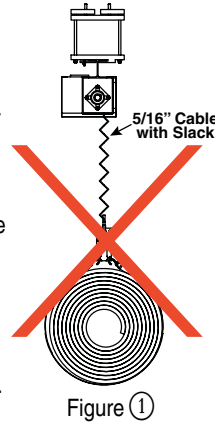


Figure ①

**DO NOT** raise the suspended load if it is swinging! Wait until the load stops swinging before raising.

**DO NOT** push the mat to cause swinging, either during raising or lowering.

- 7 Raise the Mat Lifter while watching for any problems. The Mat Lifter is designed to stop automatically when it has reached the full up position.

### ⚠ Caution ⚠

- 1 **DO NOT** use the Mat Lifter for any purpose other than the intended purpose of handling athletic mats rolled up for storage.
- 2 **DO NOT** allow anyone to ride on the unit.
- 3 **DO NOT** attempt to lift mats heavier than the rated capacity of the Mat Lifter.
- 4 **ONLY** operate with Mat Lifter in full view.
- 5 **ONLY** authorized personnel are to operate the Mat Lifter.
- 6 **ALWAYS** make sure that the area below the Mat Lifter is clear and safe. **NEVER** allow anyone to walk underneath, or to stand under, the Mat Lifter or mat, while the Mat Lifter is in motion.
- 7 **NEVER** leave the key in the key switch unattended.  
Key is to be retained by a designated authorized person.

### Mat Removal

- 1 For removal of the mat, lower the Mat Lifter until the mat has contacted the floor. When lowering, NEVER allow the ropes to go slack by permitting the load bar to rest upon the mat or any other object (see Fig ①).
- 2 Unhook the sling rings from one side of the load bar. Spread out the sling and straps making sure that there are NO twists, wrinkles, or any overlapping material.
- 3 Roll the mat off of the sling.
- 4 Reattach all sling rings to their corresponding hooks on the load bar.
- 5 Be sure the load bar is stationary and not swinging before raising, raise Mat Lifter to full up position.

### Note:

**When not in use, remove key from the key switch and store the key in a secure area. The key must NOT be available to unauthorized personnel.**

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**Continued**

## Maintenance Instructions

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For continued safe, reliable operation of the Mat Lifter, it is important that the following maintenance and inspections occur on an annual basis.

**Inspect the mat sling for signs of tearing, wear, or loosening seams. If such deterioration or damage exists, replace the sling assembly.**

**Inspect the wire ropes carefully for the following items:**

- ① Rope distortion such as kinking, crushing, unstranding, birdcaging, main strand displacement, or core protrusion.
- ② General corrosion.
- ③ Broken or cut strands.
- ④ Any visible broken or cut wires.
- ⑤ Reduction in rope diameter due to loss of core support, internal or external corrosion, or wear of outer wires.  
(The greatest diameter of the rope must not be less than 0.27")
- ⑥ Damage from heat.
- ⑦ Corroded or broken wires at end connections.
- ⑧ Corroded, cracked, bent, worn, damaged, or improperly applied end connections.
- ⑨ The wraps on the drums should be tight against each other. Gaps between wraps indicate the load was swinging as it was being raised, or that slack ropes were permitted during operation. Lower the mat to the floor and remove most of the load from the ropes, then manually slide the wraps together.

**Grease shaft bearings with a minimum amount of good quality bearing grease.**

**The gearbox is factory filled with gear lube sufficient for the life of the unit. Check for any leaks that have developed.**

**Check overall operation of the Mat Lifter.**

- (1) Ensure that both the upper and lower geared limit switches function correctly.
- (2) Ensure the direction of movement of the Mat Lifter corresponds to the direction of the key switch control.
- (3) Listen for any unusual sounds or noises and investigate the source for possible problems.

**Check for any loose hardware or components.** Especially check the setscrews attaching the pillow block bearing collars and wire rope drums to the main hoisting shafts. Tighten any fasteners found loose or not properly secured.

**Check for any missing or illegible WARNING labels or control device markings and replace them as required.**

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## LIMITED WARRANTY DRAPER MAT LIFTER

All mat lifters warranted to the end user for a period of five (5) years from date of substantial completion and acceptance or sixty-six (66) months after date of shipment whichever comes first. In the event that any component fails under normal use and conditions, that component will be replaced or repaired. Routine maintenance and adjustment excluded.

Misuse or abuse from vandalism, improper installation or improper maintenance is not covered under this warranty.

Damages due to extreme weather conditions such as floods, tornadoes or other Acts of God are also expressly not covered under this warranty.

### THIS WARRANTY DOES NOT COVER:

1. Dissatisfaction due to improper installation or maintenance or dissatisfaction due to deviation from printed installation and maintenance instructions.
2. Damage in use due to tears, punctures, burns, scuffs, accidents emanating from lack of, or improper operation in conjunction with adjacent equipment or any intentional misuse of the product or vandalism.
3. Liability for consequential, incidental, special or any other damages, no matter what the cause.

### DATE APPLIED:

Five (5) years from date of substantial completion of job and acceptance by the owner or sixty-six (66) months after date of shipment, whichever comes first.

**DRAPER, INC.**