

SHOR-LINE

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Mobile Lift Table

PRODUCT GUIDE



MOBILE LIFT TABLE
W/SCALE SHOWN,
MODELS VARY

Introduction

Thank you for purchasing Shor-Line products.

This Guide provides information regarding the installation, use, and care of your Shor-Line product. Keep this Guide in a safe and convenient place for reference.

For further questions, to purchase additional products, or to replace a lost or damaged Guide, please feel free to contact Shor-Line, now a part of Midmark:

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Shor-Line may provide instructions that supplement or supersede this Guide at any time. Contact Shor-Line to ensure the Guide is the latest version.

During installation, if a contradiction between this Guide, existing conditions, or local regulations arise, contact a Shor-Line representative before proceeding with installation. Discontinue use of the product if unsafe conditions become apparent.

The Mobile Lift Table is also referred to as "MLT" and "Table" in this document. Components and options vary per model.

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DANGER

READ THIS GUIDE COMPLETELY BEFORE INSTALLATION AND USE AND THOROUGHLY UNDERSTAND AND FOLLOW ALL SAFETY INSTRUCTIONS.



WARNING

WEAR PERSONAL PROTECTIVE EQUIPMENT, such as, but not limited to, eye protection, back support brace, and gloves during installation. Failure to do so could result in SERIOUS INJURY.



CAUTION

This product is intended to be used for animals only. Do not use for anything other than the intended purpose.

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General information

Refer to the Guide, images and content to assist with the installation of the product. Throughout the Guide, safety notices provide help for a successful installation.

SAFETY FIRST!

Shor-Line uses the following symbols and signal words to identify potential hazards or unsafe practices:

Safety Alert Symbol



Indicates a potential personal injury hazard exists. It is important to heed any safety warning information associated with this alert symbol.

Signal Words for Hazard Alerting Safety Messages



Indicates a hazardous situation which, if not avoided, WILL result in serious injury or death.



Indicates a hazardous situation which, if not avoided, COULD result in serious injury or death.



Indicates a hazardous situation which, if not avoided, COULD result in minor or moderate injury.

Important Information Symbol



Indicates information considered important but not directly hazard related.

Personal Protective Equipment (PPE)

PPE refers to protective clothing or other equipment designed to protect against injury. It is the responsibility of the client/installer to ensure all local and federal codes are adhered to during the installation and assembly of this product. Included is a list of PPE items suggested, but not limited to, protective equipment to help complete the installation safely.

- | | |
|-------------------------------|------------------|
| • Back Support Brace | • Gloves |
| • Metatarsal, foot protection | • Eye Protection |

Shor-Line makes no guarantee, implied or otherwise, that the information included in this Guide will be complete or failsafe, or that the information will prevent an injury from occurring. Standard measures described may not reflect the full extent of all steps that may need to be taken in any given emergency instance.



California Proposition 65 Warning

*This product can expose you to chemicals including nickel (metallic), which are known to the state of California to cause cancer.
For more information go to: www.P65Warnings.ca.gov*

Safety Decal Locations



01



03

02



ATTACHED TO POWER CORD
ON ELECTRIC MODELS

Mobile Lift Table Safety Decals Location (Quantity And Label Types Vary Per Model)

Safety Decal List			
Item	Part #	Description	Qty
01	059-3330-03	SAFETY DECAL, Caution - Raise/Low	1
02	059-3220-02	SAFETY DECAL, Caution - Electrical Hazard	1
03		SAFETY DECAL, Warning - Proposition 65	1

Read all warning, danger and caution decals before equipment is operated. Never use equipment if decals are missing, hidden, improperly placed, damaged or altered. Keep safety decals clean and legible.

Contact Shor-Line (800.444.1579) for replacement safety decals.

SECTION ONE

Shipment Inventory And Inspection

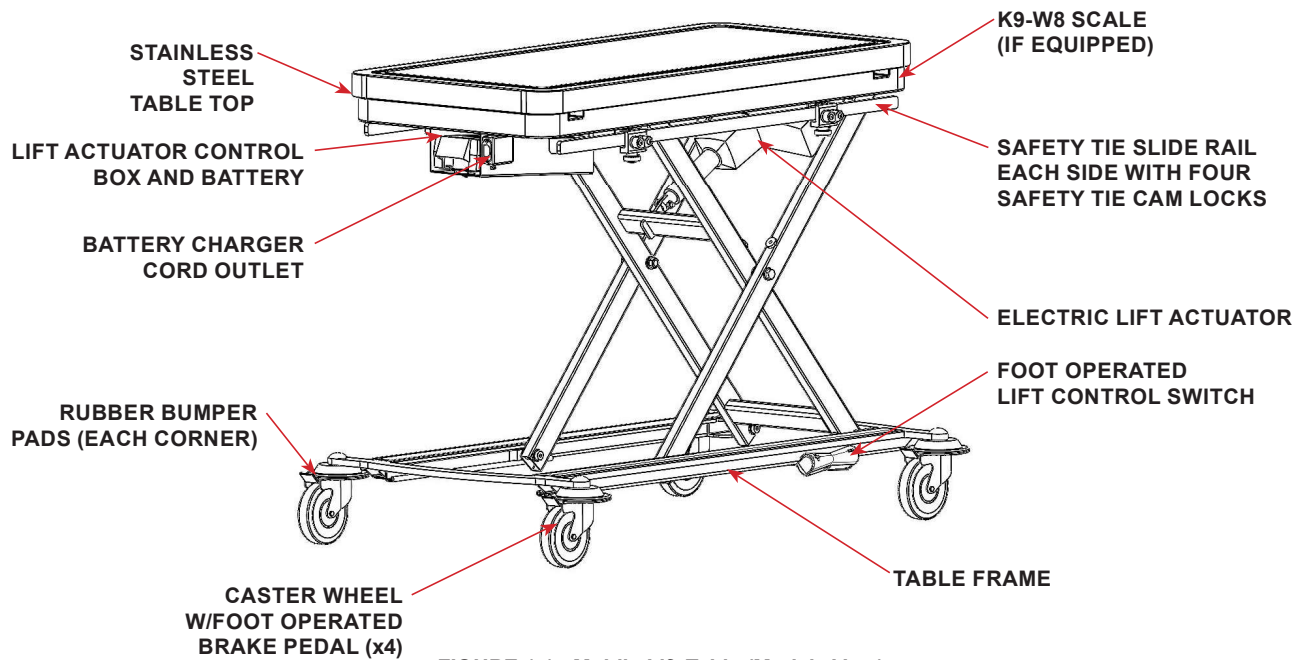


FIGURE 1.1 - Mobile Lift Table (Models Vary)

Shipment Inventory

Upon arrival, unpack and inspect the shipment to ensure it is complete and free of any damages that may have occurred during shipping. Compare the packing list with the shipment to ensure all parts/components have been received.

NOTICE

This Guide can be used to identify parts and their associated part numbers listed on the packing slip.

Shipment Inspection

While verifying the shipment contents, take a moment to inspect each component for damage. This should be done before the shipment is signed received and accepted.

If damaged components are apparent, follow the instructions within Shor-Line's Damage and Freight Procedures.

Damage Reporting

Follow the instructions within Shor-Line's Damage and Freight Procedures.

Contact Shor-Line (800.444.1579) immediately to expedite replacements or repairs.

Mobile Lift Table Specifications

MLT Component List and Dimensions

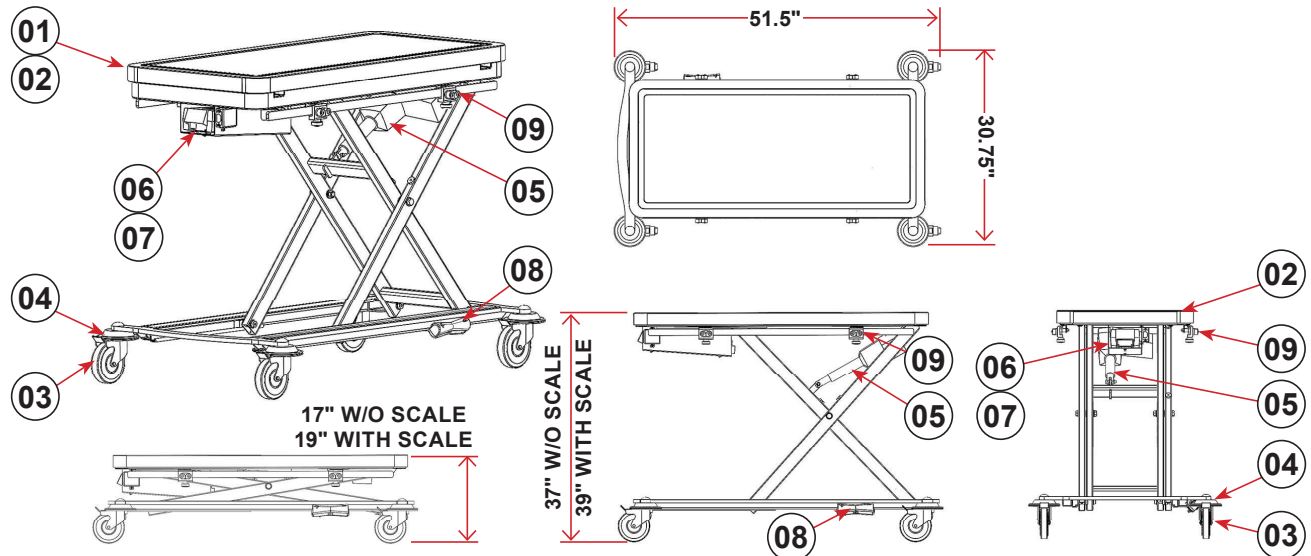


FIGURE 1.2 - Mobile Lift Table Component List And Dimensions (Models Vary)

Item	Part #	Description
01	903-3120-00	Mobile Lift Table (MLT)
	903-3120-05	Mobile Lift Table w/K9-W8 Scale (Not Shown)
02	300-0640-00	Mobile Lift Table, 21.75x46.5" Top
03	016-10726-00	Full-Rotational Caster Wheel w/Foot Operated Brake
04	016-10727-00	Rubber Corner Bumper Pads
	Lift Actuator Kit	
05	• 089-0003-00	• Lift Actuator (110vac)*
06	• 019-7010-00	• Lift Actuator Control Box
07	• 159-2400-00	• Lift Actuator Battery (24vdc)
	• 027-1803-02	• Lift Actuator 10 Foot Power Cord (NOT Shown)
08	• 903-3120-00	• Lift Actuator Foot Operated Control Switch
09	803-0006-40	Safety Tie Cam-Lock - See Page 8 for Slide Rail Kit installation procedures.
		K9-W8 Scale Display

* 220vac Compatible Electric Lift Actuator available. Contact Shor-Line at (800.444.1579)

SECTION ONE

Electric Lift Specifications

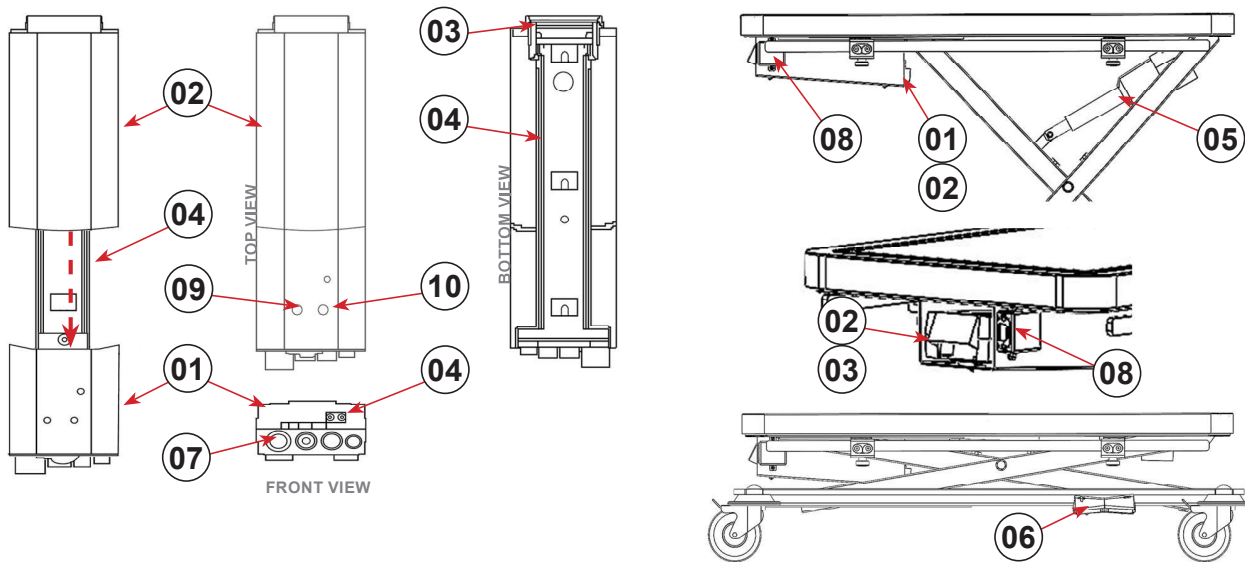


FIGURE 1.3 - MLT Lift Actuator Components (Linak)

Item	Description
01	Lift Actuator Control Box
02	Charger/Battery Housing w/View port
03	Battery Latch
04	Control Box Mounting Plate
05	Lift Actuator
06	Food Operated Lift Control Switch
07	Lift Control Switch Cable Connector
08	Charge Cable Outlet, Junction Box
09	Charge Cable Active Indicator Light
10	Battery Charging Indicator Light

Electric Lift Specifications

- 24v DC Motor (Linak)
- 2.9amp Max at 200lbs (1112 Newton) load
- Max Shaft Travel: 6 inches (152mm)
- 110/220vac power cord (10' Long)
- DC control module mounted to actuator
- Max Height (Floor to table top surface): 39 inches
- Min Height (Floor to table top surface): 17 inches
- Elapsed time of travel min to max height (no load): 14 sec
- Elapsed time of travel max to min height (no load): 13 sec

K9-W8 Scale Specifications

K9-W8 Scale Specifications

Operating Temperature	-1°C to 50°C (30.2°F to 122°F)
Humidity	<90% non-condensing
Operating Voltage	Standard Power Input: 7 to 24 VDC. 4.8, 7.2, 9.6, 12
Variants - Power-Pak	110/240 VAC 50/60Hz in 24 VDC 1.25A out

Set-Up

Mobile Lift Table Set-up

The Mobile Lift Table (MLT) is shipped in a box attached to a shipping pallet. It's best to carefully cut away the cardboard box to access the table. Remove strapping and protective wrapping as required. The table is packaged and shipped in the collapsed, lowered position. The AC charging cord and battery are installed.

The MLT uses a battery powered actuator to raise and lower the table. A foot operated switch controls up and down movement of the table top.

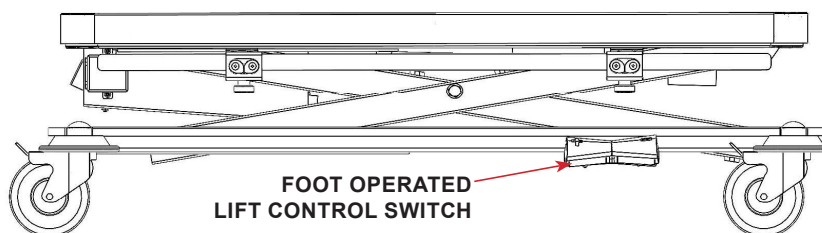


FIGURE 2.1 - Foot Operated Lift Control Switch

Press and hold the plus "+" symbol to raise the table. Press and hold the negative "-" symbol to lower the table. Release pressure on the switch once the table is at the desired position.

Charge Cable

The lift actuator battery is charged using a 10ft power cord connected to the charge outlet. See FIGURE 2.4

Ensure the power cord is safely stowed when not plugged in to a wall outlet.

The green indicator light illuminates when the unit is plugged into a power outlet. The yellow indicator light illuminates when the battery is charging.

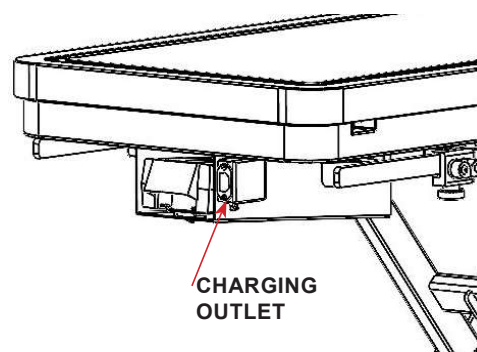


FIGURE 2.2 - Charging Power Cord Outlet



WARNING

Enlist help and USE SAFE LIFTING PRACTICES during assembly, installation and moving equipment.



CAUTION

Keep hands clear of possible pinch areas during installation, which if not avoided, could result in MINOR to MODERATE INJURY.

NOTICE

Do NOT lift or move the table by the table top. Always move the table by the base frame using enough personnel and safe lifting procedures.

SECTION THREE

Use And Care

Safe Use Practices

Always use safe practices during loading and unloading patients from the lift table. All maintenance procedures should be created by the facility owner and followed. Common sense and being aware of safety concerns should always drive procedures. Below is a list of recommendations and situational conditions that require attention, heed all warnings.

- Unplug the unit before conducting any maintenance or cleaning procedures. Do NOT allow any personnel under or around the unit when operating the lift functions.
- Do NOT operate the lift table on uneven flooring. Engage caster wheel brakes when the table is left unattended. Prevent unwanted table movement.
- Do NOT sit, stand or lean on the table. Animal use ONLY.



WARNING *ALWAYS maintain full control of patients when using the table or its operable functions. Failure to do so could result in SERIOUS INJURY or DEATH.*

Do NOT use the table functions before checking to ensure the unit and surrounding area are clear of personnel, animals and obstructions. Failure to do so could result in SERIOUS INJURY or DEATH.

Keep personnel and animals clear of the foot operated lift control switch, unintentional table functions (movement) could occur. Failure to do so could result in SERIOUS INJURY or DEATH.

MLT Caster Wheels

The MLT is equipped with full-rotation caster wheels with a foot operated brake. Once the packing material has been removed, ensure the caster brakes are disengaged before moving the table. Flip the brake pedal up to disengage the brake. See FIGURE 2.2

Always engage caster brakes to ensure there is no unintentional table movement while charging the unit and when the table is not in use.

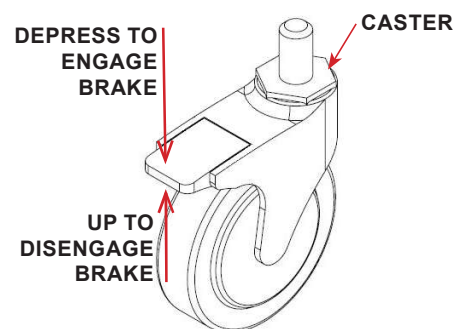


FIGURE 3.1 - Foot Operated Caster Brake

Battery And Charging System

It is recommended to fully charge the battery before use. Lift functions are disabled when the table is charging. Ensure the power cord is safely stowed when not plugged in to a wall outlet.

Slightly lift and pull the battery to remove the battery from the lift actuator control box. Align the battery with the track to reinsert/connect to the control box.

The green indicator light illuminates when the unit is plugged into a power outlet. The yellow indicator light illuminates when the battery is charging.

Lift Function

A foot operated switch controls up and down movement of the table top.

Press and hold the plus "+" symbol to raise the table. Press and hold the negative "-" symbol to lower the table. Release pressure on the switch once the table is at the desired position.

NOTICE

Do NOT exceed the weight limitations (200 lbs) of the table. Exceeding the weight limit may cause equipment failure.

Safety Tie-Down Camlock

The MLT is equipped with two slide rails located on each side; and in conjunction with safety tie cam locks can be used to secure a leash. See FIGURE 2.11

WARNING *Never leave an animal tethered to the table unattended. Always maintain full control of animals when on the table.*

Safety tie cam locks install onto the slide rail by hooking over the top edge of the rail, then loosening the position lock knob enough to clear the bottom of the slide rail.

Tighten the position lock knob once in place. See FIGURE 2.3 and FIGURE 2.4

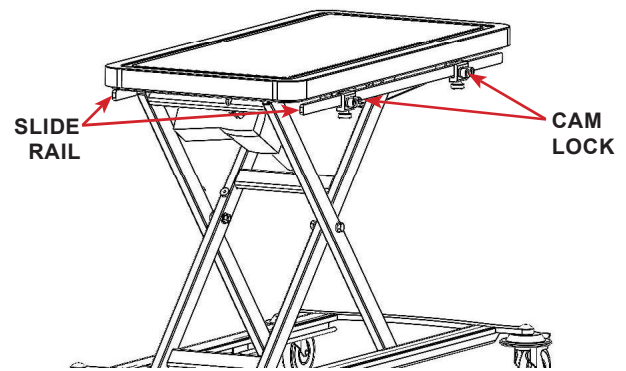


FIGURE 3.2 - Safety Ties System

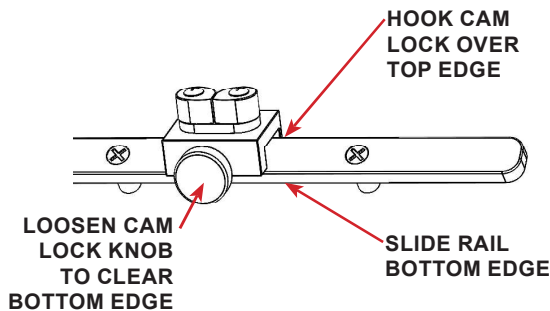


FIGURE 3.3 - Cam Lock Installation

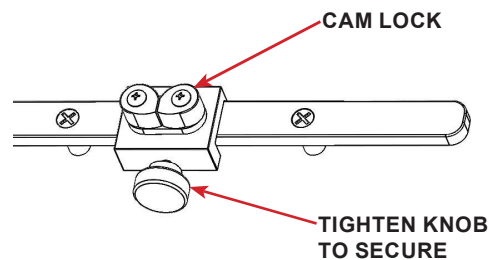


FIGURE 3.4 - Secure Cam Lock

Loosen the position lock knob to adjust/slide the accessory along the rail. Turn the position lock knob clockwise to lock in place.

Release, or slightly rotate one of the strap cam cleats to create a gap.

The strap retainer cam cleats are spring loaded and provide tension on the strap, allowing one-directional movement in the locked position. See FIGURE 2.14

Place the strap in between the cam cleats releasing the cam cleat to provide tension on the strap. Pull the strap through the cam cleats to secure the patient in the desired position.

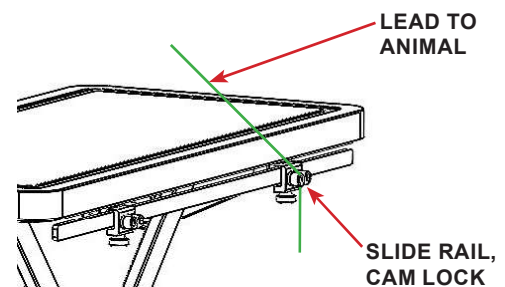


FIGURE 3.8 - Safety Ties System

SECTION THREE

Scale Operation - Key Functions and Display

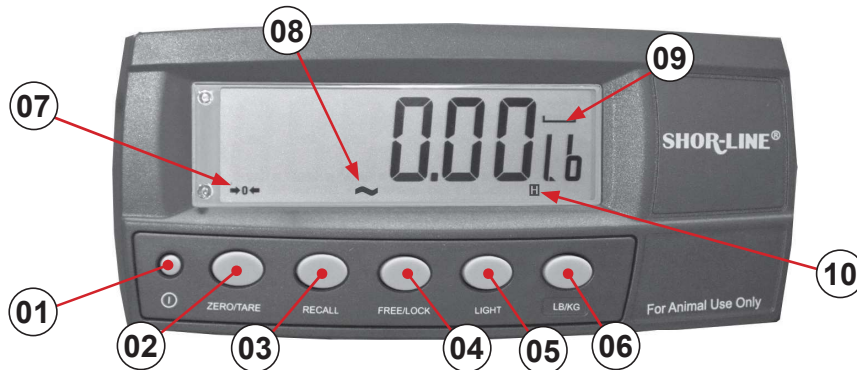


FIGURE 3.3 - Function Buttons (System Ready Screen Shown)

Item	Button/Display Descriptions
01	POWER - button toggles the scale on and off.
02	ZERO/TARE - button is used to re-zero or to reset zero when scale is used with a carrier.
03	RECALL - button will recall the previously held weight for 5 seconds.
04	FREE/LOCK - button activates the program that analyses the weight a moving animal and calculates a held/locked weight.
05	LIGHT - button adjust the back light illumination: AC mode - Lo/Hi/Off, DC mode - On/Off.
06	LB/KG - button toggles the units of measure, Lb (pounds) or Kg (kilograms).
07	Display Zero Icon - indicates the gross reading is within +/- 1/4 of a division of true zero.
08	Display Motion Icon - indicates an unstable reading.
09	Display Zero Band Icon - indicates the displayed weight is within the zero dead band setting.
10	Display Hold Icon - indicates the displayed weight is held.

Button Functions

01 Power On/Off

Press and hold the power button to activate the scale. The display will cycle through three splash-screens - full illumination, "v4.02", and "A321".



Full Illumination Test



1st Start-up Code



2nd Start-up Code

The scale is ready for use when the display reads "0.00" and the zero icon in the bottom left indicates the reading is stable (See FIGURE 3.1). Three consecutive beeps will sound when the scale is ready for use.

Press and hold the power button to deactivate the scale. The instrument will beep and the display will read "OFF" with a three second countdown. Press and hold the button until the display screen turns blank.



Off Countdown

NOTICE

The scale display power button does NOT affect any lift table operations.

02 Zero/Tare

The ZERO function is used to reset the display when an empty scale has drifted from a true zero reading. The TARE function is used when weighing a patient that is confined in a carrier/cage. See "Uncooperative Patient" for further procedures.

Upon start-up if the display reads a negative or positive weight while the scale platform is not occupied, the display will have to be reset to zero or calibrated. It is recommended to reset zero before conducting a recalibration.



Negative reading

Reset zero: To zero a scale that has drifted from true zero weight reading while the platform is empty, press the ZERO button. A beep will sound and the display will read "0.00".

Clear adjusted zero: Press and hold the ZERO button to clear the adjusted zero weight. A positive or negative reading may show on the display. Conduct the calibration procedures to reset true zero.

03 Recall

The RECALL button will display the previously held weight for 5 seconds. Held weight data will timeout 2 minutes after the last scale activity.

04 Free/Lock

The FREE/LOCK functions control the program that analyzes the weight data of a moving animal and calculates a held or locked weight. To manually select when the scale is to capture the weight of a moving animal, select the FREE function. Use the LOCK function to allow the program to automatically calculate and capture the weight of a moving animal.



Free Function



Lock Function

Press and hold the FREE/LOCK button to select between the FREE and LOCK functions.

FREE = Manual HOLD: In the FREE mode a short press of the FREE/LOCK button will capture the instantaneous displayed weight as the held weight. Useful to capture the weight manually.

LOCK = Automatic HOLD: As soon as an animal is placed on the scale the display will flash the "H" annunciator **10** and automatically capture a stable weight. When captured the "H" stops flashing and the weight is held locked on the display until the animal is removed.



Hold Symbol

A short press of the FREE/LOCK button forces a recalculation of the animal weight. After the animal is removed from the scale the display will return to within the zero band and a normal weight reading.

05 Light

- In AC mode: Press the button to select back-light intensity (Low/High/Off). High intensity is the default.

- In DC, battery mode: The light intensity cannot be adjusted. The light times-out after a few seconds of idle use. Once a button is selected or the scale activated the light will illuminate.

06 LB/KG

Press and hold the "LB/KG" button to toggle units of measure from pounds to kilograms.



Unit Of Measure

SECTION THREE

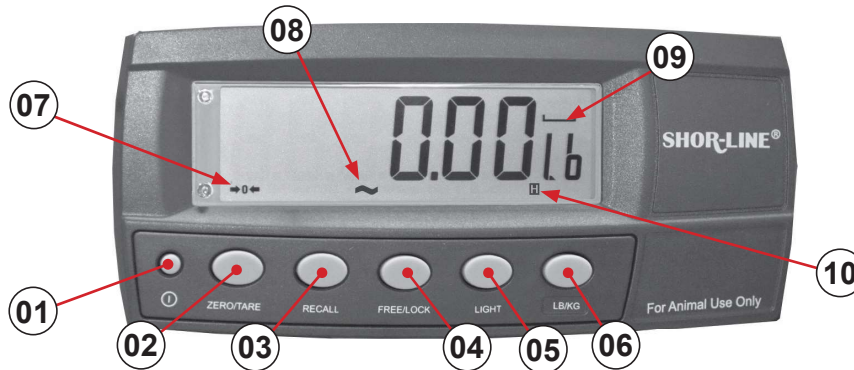


FIGURE 3.4 - Function Buttons (System Ready Screen Shown)

Uncooperative Patient

NOTICE

ALWAYS follow the safest uncooperative-animal handling practices established by the facility requirements. The following procedures relate ONLY to the operation of the scale. Animal handling practices is the responsibility of the handler, facility owner.

Leash Restraint

The K9-W8 scale is available on several Shor-Line products, not limited to floor scale models. Some of the scale models/tables are equipped with slide rails and in conjunction with restraint cam cleats can be used to secure an animal leash.

Container or Caged Patient Procedure

The ZERO/TARE button (02) can be used for weighing uncooperative animals. Use a portable container or cage to secure the animal during the procedures.

STEP 1: Press the power button (01) to turn the scale on.

STEP 2: The ZERO/TARE function can be used in the FREE or LOCK modes. Press and hold the FREE/LOCK button (04) to set the scale to lock mode.



Lock Function

STEP 3: Place the empty container/cage onto the scale. The scale will lock onto the weight of the container.

STEP 4: Press the ZERO/TARE button (02) to reset the display to 0.00 lb.

STEP 5: Place the animal inside the container and carefully set the container onto the scale. The scale will lock onto and display only the weight of the additional load (animal weight).

Remove all objects from the scale. The display will read "-/TARE", press the ZERO/TARE button (02) to return the scale to the standard zero.

Scale Calibration

The scale is calibrated at the factory. Calibration is not required at initial set-up. For questions, contact Shor-Line Technical Service at 800.444.1579

Calibration requires the use of an object of known weight. For the following instructions a twenty pound barbell weight is used.

NOTICE

Avoid resting objects on the scale platform when not in use, as it could affect the calibration and accuracy of the product.

STEP 1: Remove all weight from the scale.

STEP 2: Press the Power button (01) and LB/KG button (06) simultaneously and hold to access full setup mode. Scale Display will flash "FULL", "SEtUP" and "FiLteR".



Full Setup Screen (1 of 2)



Full Setup Screen (2 of 2)



Filter Screen

STEP 3: Press the ZERO/TARE button (02) until scale display reads "ZEro".

STEP 4: Press the RECALL button (03), the display will flash the current weight.



Zero Screen

STEP 5: Press the FREE/LOCK button (04), display will flash "Z in P" (Zero in Process) and then "00.0".

NOTICE

Wait 5-10 seconds for "00.0" to flash on the display before proceeding.



Zero In Progress Screen



No Weight Screen

STEP 6: Press the ZERO/TARE button (02) to return to "ZEro" menu and once more to display the "SPAN" menu.



Zero Screen



Span Screen

STEP 7: Press the RECALL button (03). Display will flash the current weight.

STEP 8: Press the FREE/LOCK button (04). Display will flash the last amount used to calibrate the scale.

STEP 9: Enter the weight amount to be used for calibration (example: 20 lb weight), use the FREE/LOCK button (04) to select the digit and the LIGHT button (05) to edit the digit. See FIGURE 3.2

STEP 10: Set the calibration object onto the scale (example: 20 lb weight).



Set Weight

NOTICE

Wait 5-10 seconds for the scale to accept the weight before proceeding.

STEP 11: Press the LB/KG button (06) to accept the weight value and to accept the calibration. The display will show "S. n P" (Span in Process) and will flash the calibrated weight.



Span in Progress Screen

STEP 12: Press the Power button (01) and LB/KG button (06) simultaneously and hold for two seconds to save the settings and exit.

NOTICE

If the scale displays an error code or continues to display incorrect weight readings, please call Shor-Line's Technical Service Department at 800-444-1579 for additional assistance.

General Maintenance & Care

Maintenance Recommendations

NOTICE

Routine maintenance will extend the quality and life of Shor-Line products.

It is the owners responsibility to set-up scheduled maintenance programs, depending on use of the equipment. Scheduled preventive maintenance should include, but not limited to daily or weekly inspections and maintenance of products to prolong its longevity and to help maintain proper product functions.

- Follow manufacturers cleaning and maintenance recommendations outlined in product literature provided for components not included in these recommendations. Configurations/component parts may vary.
- Check alignment of operable panels, doors and components to ensure operation is free of obstructions. Adjust as required.
- Check any battery compartments to ensure the batteries are not failing, corroding the contacts or damaging the equipment. A pencil eraser can be used to clean electrical contacts in battery compartments.
- Check any wiring for kinks or exposed inner wiring. If damage exist, stop equipment use and contact Shor-Line Technical Services for direction.
- Check any hydraulic lift components for leaking fluid. If fluid is present, stop equipment use and contact Shor-Line Technical Services for direction. Do NOT attempt to repair hydraulic leaks.

Care Recommendations

NOTICE

Routine product care will extend the quality and life of Shor-Line products and aids in protecting animals from transmittable diseases and infections.

It is the owners responsibility to set-up scheduled cleaning programs, depending on use of the equipment. Scheduled preventive cleaning should include, but not limited to daily or weekly inspections and cleaning of products to prolong its longevity and to help maintain finishes.

Safe Cleaning Practices

- Use the mildest cleaning procedure that will complete the job effectively. Ordinary waste deposits and fluids can usually be removed with soap and water, using a soft cloth or sponge. Rinse thoroughly with clear water and dry completely with a soft cloth to discourage hard-water spotting.
- Minor scale build up and some hard water spotting can be removed by washing with a vinegar diluted mixture followed by a clear water rinse and thorough drying.
- Bleach, deodorizing agents, disinfectants, and sanitizers can corrode stainless steel, thoroughly rinse all surfaces treated with these chemicals with a clear water rinse and dry with a soft cloth.
- If scrubbing is required, use only polymer or nylon fiber products made for use with polymer or nylon materials.
- Always rinse with clear water and dry of all surfaces treated with cleaning, sterilization solutions.

Unsafe Cleaning Practices (NOT Recommended)

- Do NOT use a dry cloth or wipe clear polymer surfaces which can scratch if dust/dirt is wiped with the hand or dry cloth.
- Polymer materials can discolor if exposed to sunlight, ultraviolet rays. Avoid direct sun exposure.
- Do NOT use ammonia or bleaches to clean polymer surfaces.
- Do NOT allow fluids to accumulate, puddle without removing and completely drying the surfaces and components. Standing water/fluids are a hazard and can cause damage to component materials.
- Do NOT use scouring powders that will scratch polymer finishes.

NOTICE

Steel wool or steel brushes should never be used to clean stainless steel or polymer surfaces, avoid abrasive cleaning techniques/supplies.

Terms And Conditions

<https://www.midmark.com/service-support/terms-conditions>



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