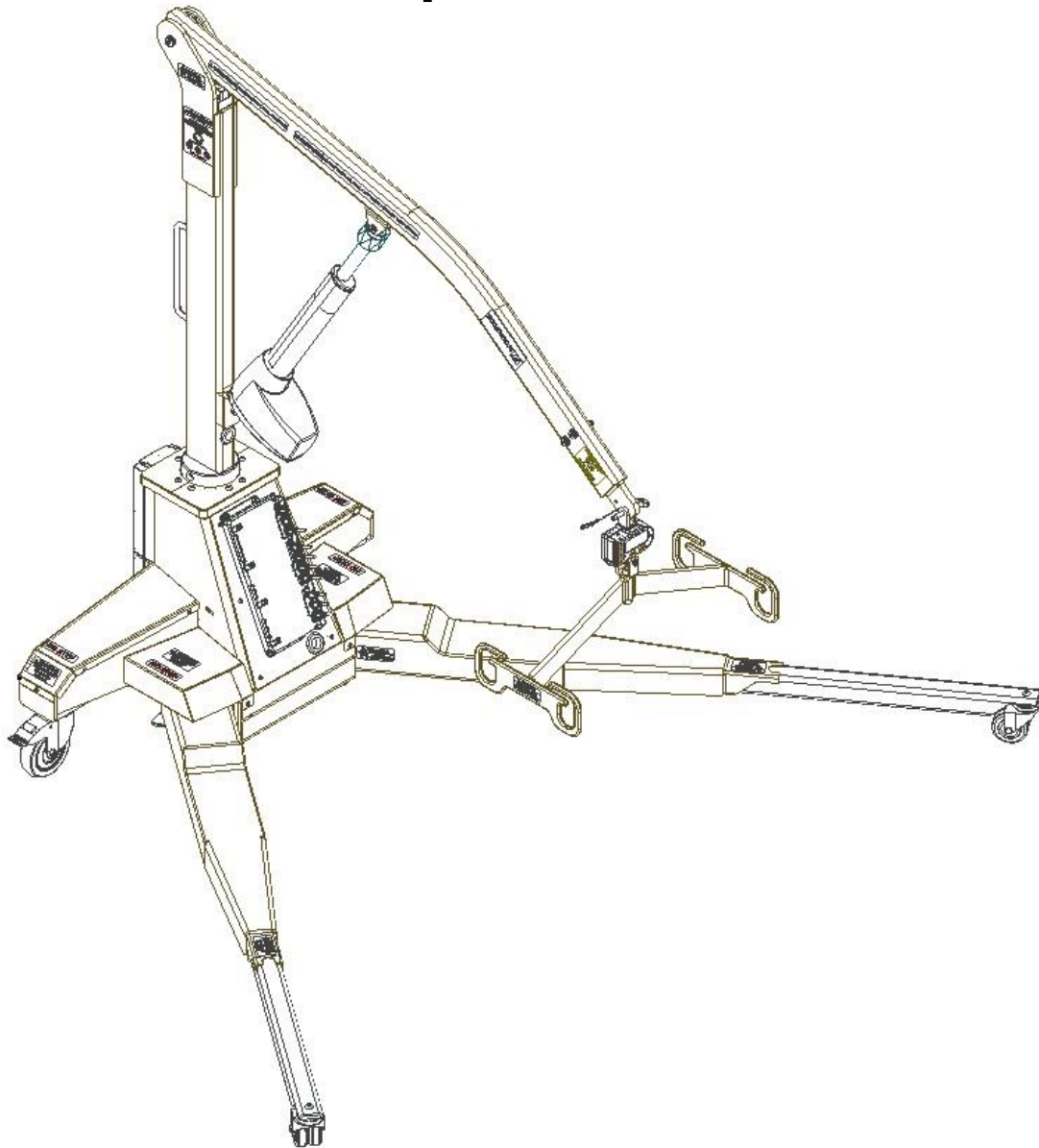


GENDRON BARIATRIC MAXICARE LIFT

Models: PL700 & PL700-S

Owner's Operation Manual



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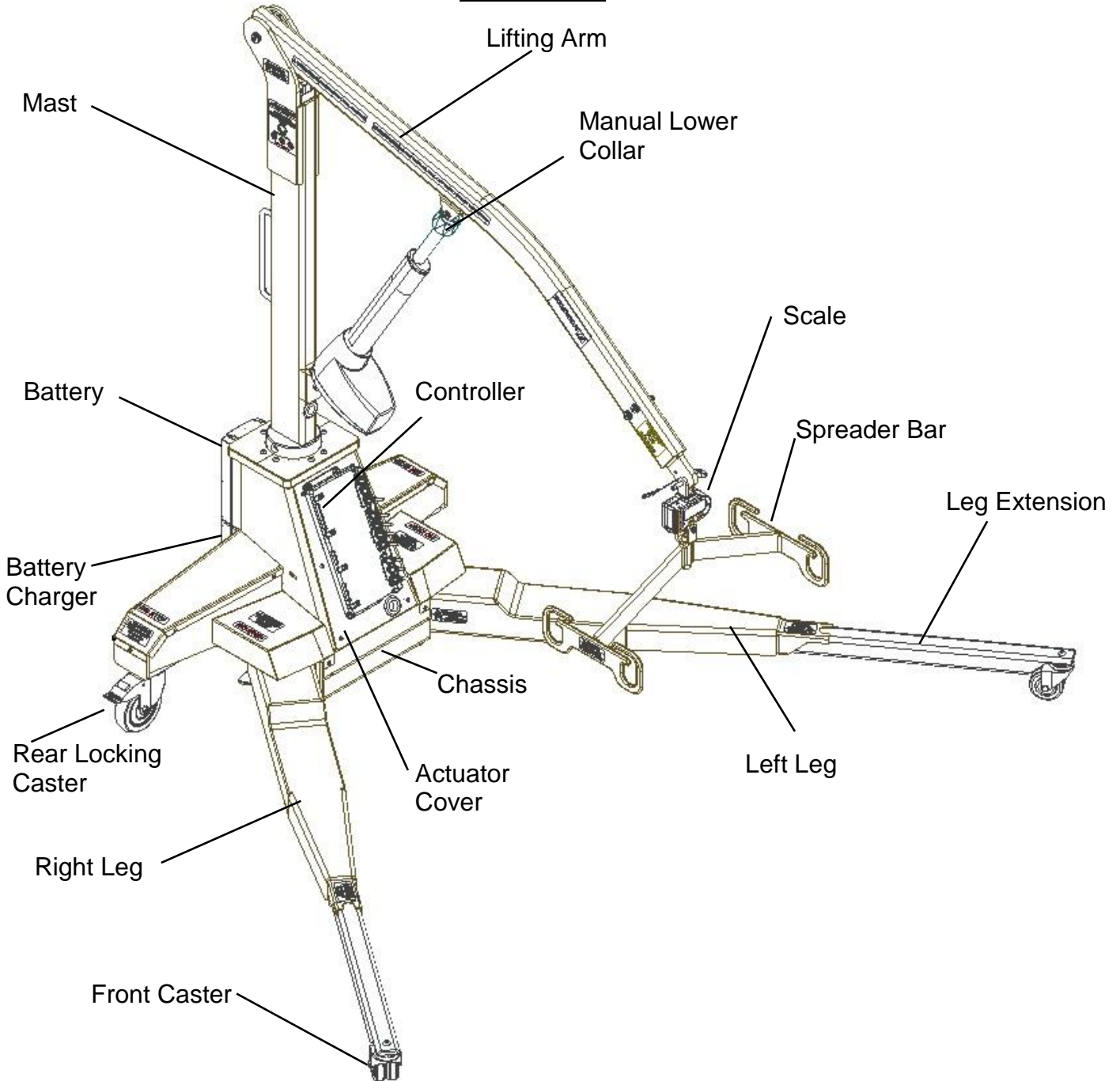
GENDRON 
Bariatric Rehab Leadership

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Parts Locator

PL700-S Lift



Warning, Watch for Pinch points

Keep fingers, arms, legs, and objects clear of lift when any mechanism is in motion. Make sure all persons and objects are clear of the lift when lifting or pivoting.

Safety Precautions



Warnings and Cautions

You must follow these warnings and cautions. Failure to observe these safety precautions may result in personal injury to the patient and/or the care giver or mechanical failure.

Read all instructions carefully before using the lift.

- Make sure proper training has been provided to the caregiver.
- Only use to transfer a patient weighing 700 pounds or less.
- Make sure that the **REAR CASTERS ARE LOCKED** and the **LEGS ARE FULLY EXTENDED AND FULLY OPEN.**
- Lift is designed to transfer patient. **NEVER TRANSPORT OR TREAT A PATIENT WHILE SUSPENDED ON THE LIFT.**
- Lifting should only be done after the lifting sling has been properly fitted to the patient and properly attached to the spreader bar.
- Make sure the patient is aware of the sequence of events that will take place during the lift and ensure their cooperation.
- The caregiver should face the patient during the lift while operating the handset and steadying the sling.
- **Never attempt to lift a patient that is agitated or uncooperative. Rapid patient movements can cause stability issues with the lift.**
- **Never move the lift with a patient suspended. The lift is a transfer device not a transport device.**
- **Only operate on a level surface.**
- When moving the lift around it is recommended that the legs be fully retracted and closed, and the lifting arm be in the fully down position and centered between the legs.

For additional general safety guidelines, see the Patient Lifts Safety Guide at www.fda.gov.

Intended Use & Product Description



Warnings and Cautions

You must follow these warnings and cautions. Failure to observe these safety precautions may result in personal injury to the patient and/or caregiver or mechanical failure.

Read all instructions carefully before using the lift.

- **Weight Limit:** Never exceed the safe working load of 700 pounds. Exceeding weight limit may cause lift to fail. The capacity is on the lifting arm by the lifting point and on the serial number label. Safe working load includes the weight of the patient, the sling, and any accessories.
- **Power Requirements:** Electrical hazard may occur if device is plugged into inadequate power supply. A power source of 90-240V AC & 50-60 Hertz must be available to charge the lift battery.
- Always recharge the battery after each use.
- Do not service this device without first unplugging the power cord and removing the battery.
- Make sure the handset cord is clear of any obstructions and do not allow any cords to get caught in the moving members of the lift.
- Do not operate this device if any of the cords between the control module and the associated parts are cut, frayed or loosely connected.
- Do not use a lift with any missing or damaged parts.

Intended Use & Product Description

MaxiCare Patient Lifts are designed for bariatric patients. The lift is ideal for long term use in the hospitals or nursing care centers. It is intended for all age groups with varying medical and physical conditions. Total safe working load of the lift is 700 pounds.

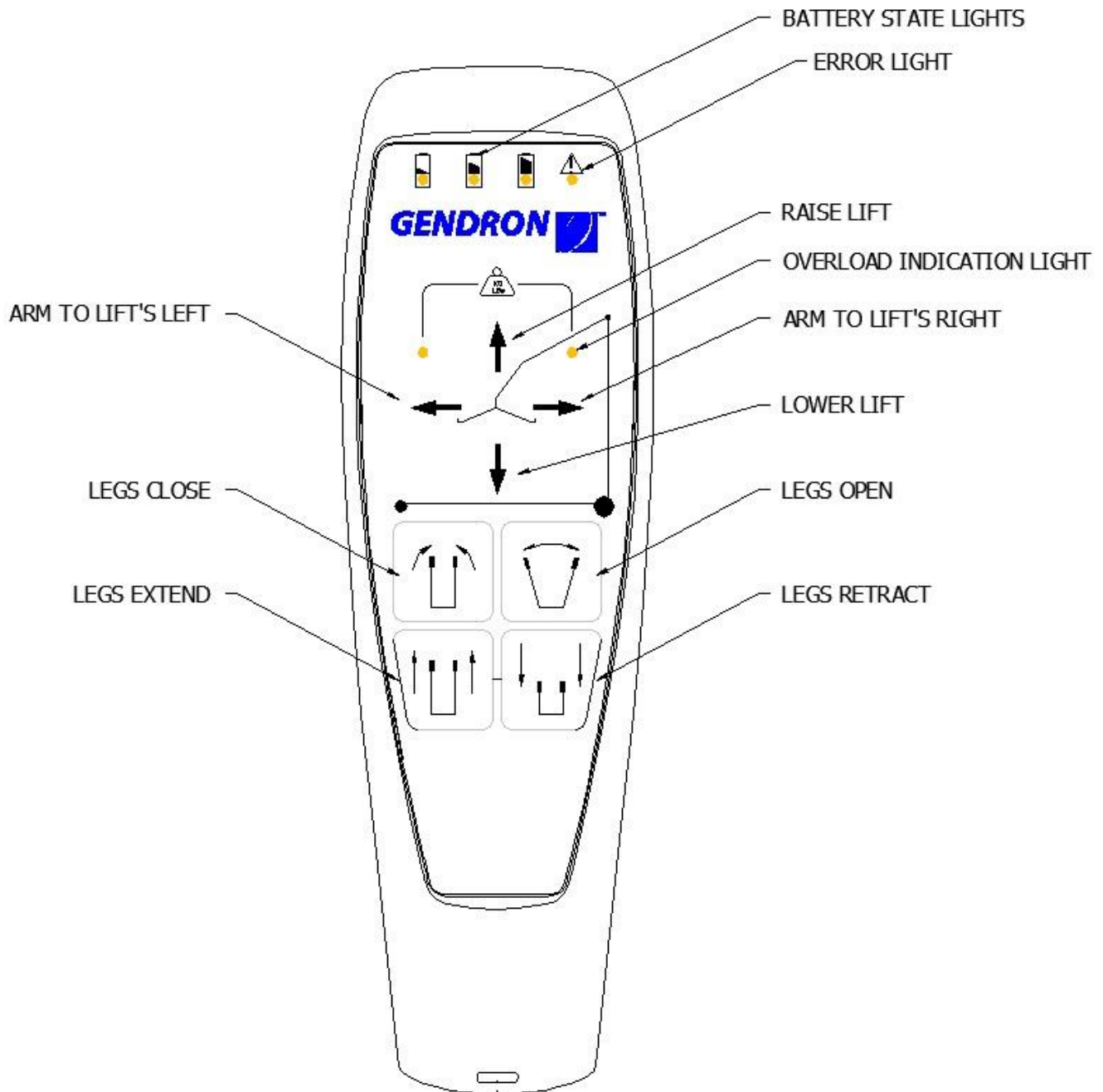
FOUR 4-FUNCTIONS

- 1) Extend legs 2) Open legs 3) Elevate lifting arm 4) Rotate mast

- Functions are powered by 24-Volt DC electric actuators.
- Power Supply: 24-Volt DC Lithium-Ion Battery.
- Power plug: Two-prong type plug for battery charging.
- Construction: Constructed primarily of powder coated steel.
- Casters: Two Heavy Duty 5 inch locking casters on the rear. Two double wheel 3 inch swivel casters on the legs

Function & Basic Operation

The **MaxiCare Patient Lift** has electric drive actuators to extend/retract the legs, open/close the legs, raise/lower the lifting arm, and rotate the lifting arm left/right. To control the positioning on the lift use the 8-button, 4-function handset.



Function & Basic Operation

In order to reduce the risk of the **MaxiCare Patient Lift** being put into an unstable use condition, certain electronic safety measures have been programmed into the controller of the lift. The following are the programmed safety conditions for operating the lift.

1. The mast rotation has a programmed stop point (Home Position) approximately centered between the legs. During any mast rotation move, if the rotation comes to this point the rotation will stop. During a patient transfer, the rotation button on the handset must be released and pressed again to continue the mast rotation.
2. For the leg functions to open/close and extend/retract, the mast rotation must be at Home Position and the lifting arm must be completely lowered. If either of these 2 conditions are not met, no leg function will occur.
3. For the lifting arm to raise/lower and the mast to rotate, the legs must be fully extended and completely opened. If either of these 2 conditions are not met, no mast or lifting arm function will occur.

Setup Instructions

Perform the following checks before using the lift:

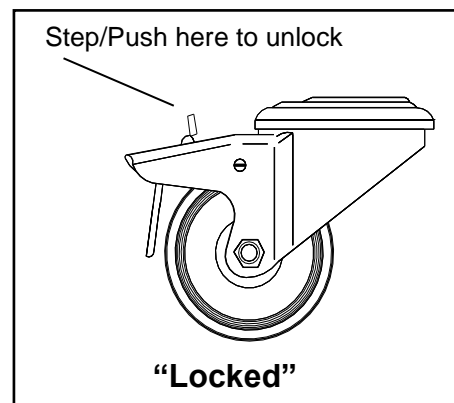
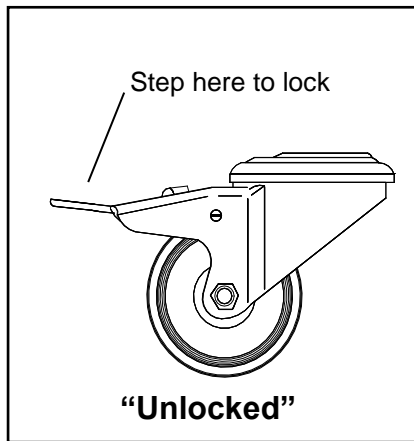
1. Do a careful walk around inspection of the lift. Look for any damage to the legs, mast, lifting arm, or spreader bar.
2. Inspect the lift actuator. Check that the bolts and nuts are tight. Check the actuator for any deep scratches or dents.
3. Lock the rear casters in place. The wheels should not turn and the casters should not rotate.
4. Check the battery level. If the battery is low, change it out for a fully charged battery.
5. Check the sling for the following items:
 - a) Inspect for any wear, discoloration, abrasions, holes, cuts or frays.
 - b) Inspect sling and straps for any broken, worn, pulled, or unraveled stitches.
 - c) Inspect sling for heat or bleach damage by noticing any color changes, brittle or puckered spots on the material.
 - d) Inspect the straps for any noticeable discoloration, fatigue, damage, or wear.

If problems are found, contact Gendron customer service at 800-537-2521.

Operating the lift

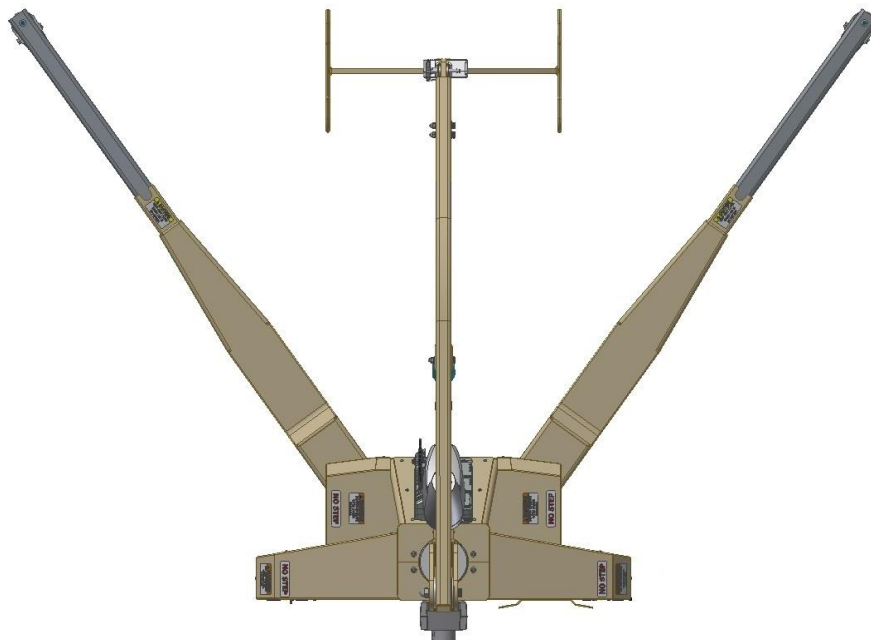
Locking the Casters

The locking function holds the lift motionless. Lock the rear casters when transferring the patient. For stability when rotating the mast, the casters should be positioned parallel to the mast when the mast is centered between the legs.



Positioning the Legs

The legs of the lift must be fully extended and fully opened before elevating the lifting arm or rotating the mast. Electronic safety feature will not allow the lifting arm to elevate or the mast to rotate unless the legs are fully extended and fully open.



Operating the lift

SELECTING THE PROPER SLING

To determine if a sling is of proper size, lay it across the patient's chest. When correct, you should find 2 – 8 inches of extra material extending past each arm. If little or no fabric extends beyond the patient's arms a larger sling is required.

**NOTE: This is only a guide. Body shapes can vary greatly, so correct sling sizing should be determined by the health care professional.*

Gendron attaches positioning handles on the sides and backs of each sling. These handles are color-coded depending on size & style of the sling, which simplifies the task of identifying the correct sling for each individual patient.

**NOTE: Positioning handles should always face outward, opposite the side with the patient.*

Gendron Offered Hammock Slings		
Model	Handle Color	Weight Capacity
GT4XL	Green	400-800 LBS
GT5XL	Orange	400-1,000 LBS
GT5XLC*	Red	400-1,000 LBS

**Model# GT5XLC includes a commode opening.*



Warning: Inspect slings before every use. Failure to do so could lead to serious injury. (Read caution sheet).

Operating the lift

Gendron Hammock Sling



The Gendron hammock style sling has 4 main lifting loops and permanently attached floor lift extension straps. There are also 3 color coded attendant guide handles on the exterior of the sling. The front main lifting loops of the sling are longer than the back main lifting loops.

LIFTING FROM A CHAIR OR BED

After a sling has been placed under a patient, attach one front main loop and one back main loop to each side of the spreader bar. Ensure that the loops are completely settled into the bottom of the side plates of the spreader bar.



Operating the lift



Warning

If the person is on the floor as a result of a fall, no transfer should be attempted until it is determined that there are no injuries.

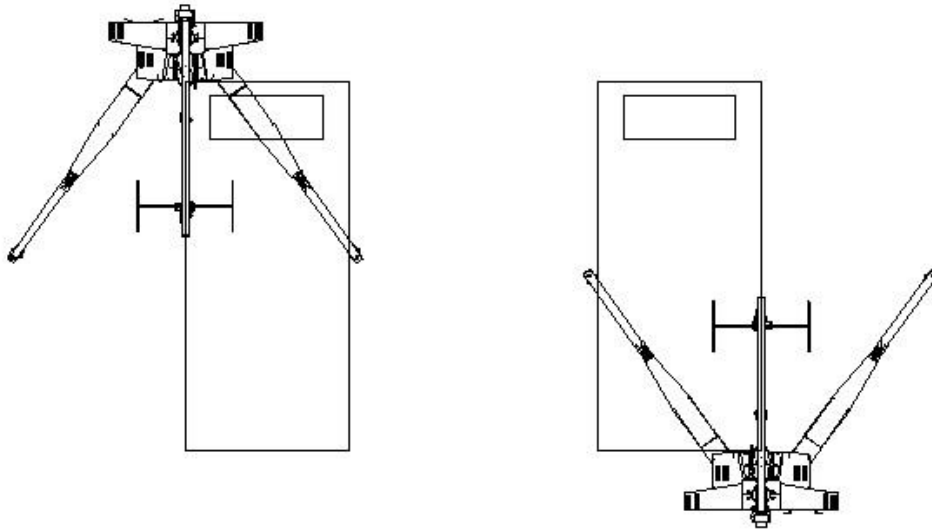
LIFTING FROM THE FLOOR

After a sling has been placed under a patient, attach one front main loop and one back main loop to each side of the spreader bar. If the main loops are not able to reach the spreader bar, use the extension straps to attach the sling to the spreader bar. Ensure that the loops are completely settled into the bottom of the side plates of the spreader bar.

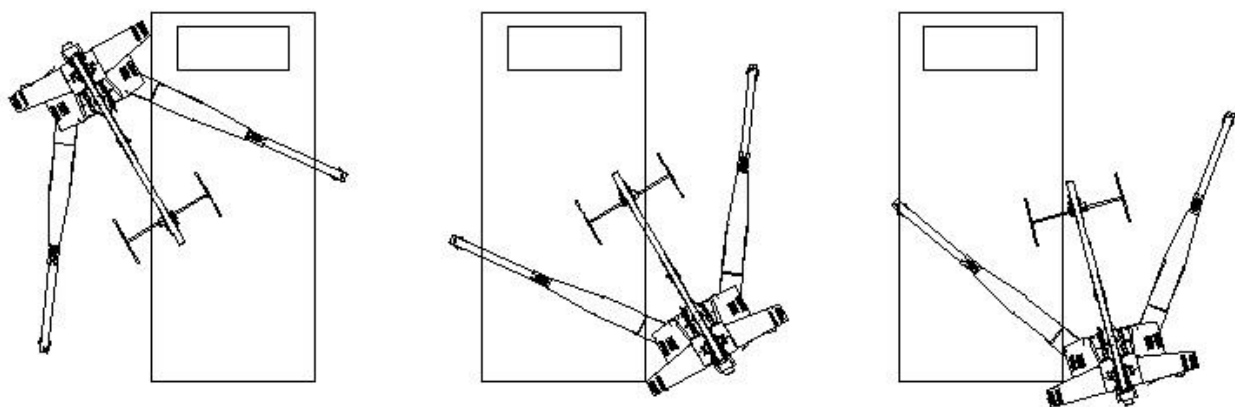


Operating the lift

Ideal MaxiCare Lift Positions



Alternate MaxiCare Lift Positions



WARNING

Make sure rear casters are locked and the legs are fully extended and fully open before lifting. Otherwise an injury or accident may occur.

Operating the lift

Operating the Scale and Weighing the Patient (Optional)

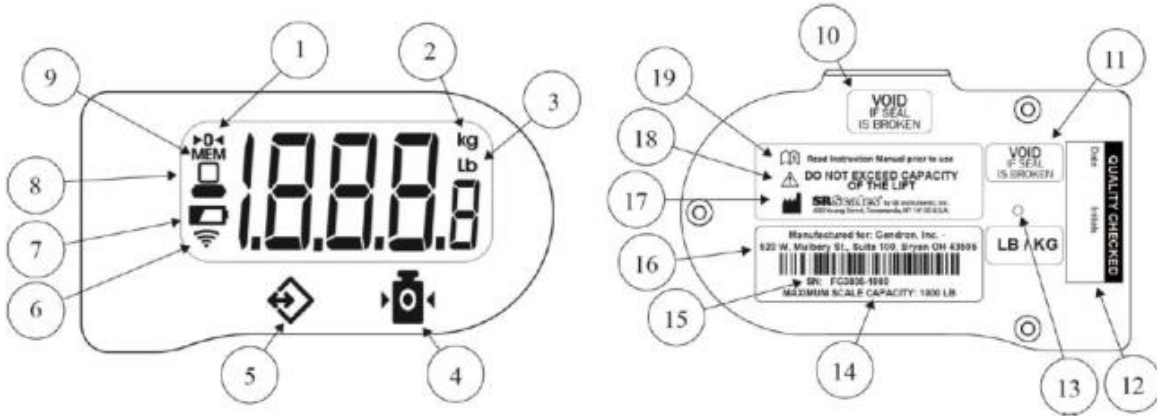


1. Press the WEIGH/ZERO button (right button) on the front of the display to turn on the scale.
2. Use a pin to press the kg/lbs. button on the back of the scale unit to select between kg or lbs. for units.
3. Hang the sling from the spreader bar and press the ZERO button (right button) on the front of the display to zero out the scale. "0" will scroll across the display for a few seconds then "0.0" will display.
4. Remove the sling from the spreader bar and position under patient. Once the sling is reattached to the spreader bar and the patient is lifted free of any obstructions, press the POWER/WEIGH button to display the weight. The readout will slowly increase until it reaches the patient's weight. The weight will display for approximately 60 seconds.

Items to Note

1. Make sure all hardware is tight and secure.
2. Zero out the weight with the sling and spreader bar before taking the patient weight measurement. Make sure it is not included in the patient weight measurement.
3. Never zero out the scale with the patient suspended. This will provide a false reading.
4. Make sure the sling is the only thing supporting the patient and that motion has minimized before taking a weight measurement.
5. If the scale turns off before you are ready, press the WEIGH button to turn it back on.

Operating the lift



1. ZERO Indicator
2. Kilogram Indicator
3. Pound Indicator
4. Weigh / Zero Button
5. Store / Recall Button
6. Not applicable for this model
7. Low Battery Indicator
8. Stable Weight Indicator
9. MEMORY Indicator
10. Seal – Do Not Remove
11. Calibration Seal
12. Quality Check
13. Access for Pound / Kilogram Mode Button
14. Maximum Scale Capacity
15. Model – Serial Number
16. OEM Address
17. Manufacturer’s Address
18. Do Not Exceed Capacity of the Lift
19. Read Instructions for Use Before Operating

ERROR MESSAGES

RUN MODE

	Battery will display for approximately 10 sec after start-up	Battery resource is low. Replace Battery
	Battery without display	Battery resource is critically low. System will not function until battery is replaced
	Over-range display	Excessive load on scale or internal connection damage.
	Low data input to electronics	Broken internal electrical connection

Diagnostic & Repair

Troubleshooting Guide

Problem	Cause	Solution
No power to the lift	Battery is in Stand-By Mode	Connect the AC power for at least 15 seconds (see Battery Technical Guide below)
	Dead Battery	Change out to a fully charged battery
	Emergency Stop Tripped	Reset the Emergency Stop
	Cable between power supply and controller disconnected	Re-connect cable
No functions working on lift but power present	One of the safety conditions has not been meet	Make sure the lifting arm is completely lowered and the mast is in Home Position Make sure the legs are completely extended and fully open
	AC power cord is plugged in	Unplug AC power cord
Battery will not charge when lift is plugged in	Battery is in Deep Discharge Protection	See Battery Technical Guide below
	Bad Battery	Replace battery
	Charger Failure	Replace Battery Charger
Leg Extending and/or Opening Actuators do not move	Safety Limit Switch not activated	Lower the lifting arm to activate the switch
	Mast not in Home Position	Rotate mast to Home Position stop point between the legs
	Cable disconnected	Re-connect cable
Lifting Arm and/or Mast Pivot Actuators do not move	Legs not fully extended and open	Fully extend and fully open the legs
	Cable disconnected	Re-connect cable

Should you need additional assistance, call customer service at (800) 537-2521.

Battery Technical Guide

Standby mode

When the BAJL Li-Ion is not being used for a longer period - more than a week - or when it is on stock, it enters into a standby mode to save power and protect the battery from deep discharge.

- Please connect the charger for approx. 15 seconds to exit the standby mode before use.
- There is no audio signal to indicate the standby mode or to indicate exit of standby mode.

After exit of the standby mode

If there is still no power on, the battery needs to be charged.

After charging, the hand control and/or the control box will indicate the battery capacity level again

Deep discharge protection

The BAJL Li-Ion has a deep discharge protection to extend the battery lifetime. The deep discharge protection is activated when the battery is discharged.

- Please connect the charger for approx. 15 seconds to exit the deep discharge mode before use.

If the battery is completely discharged, the charging will be started at a very small rate to protect the battery. This small charging rate is not sufficient to turn on the light in the charger, and therefore the user may believe that the system has not yet started. Depending on the battery state, it may take several hours to get to the normal charging state. The orange light of the control box will not be turned on as the operation is analogue. It is therefore not possible to see that the charging has started, however, only at a low level.

Cleaning & Maintenance

CLEANING



Warning: Before cleaning any portion of the lift, disconnect power cord from the wall outlet and remove the battery from the power supply. Do not use a power washer to clean the lift.



Caution: Before using any cleaning product, test it on the underside of the lift. Never use any volatile or flammable fluid (thinner, gasoline, etc.) that could cause discoloration or deterioration.

Use mild soap and water or a nonabrasive hospital-grade detergent disinfectant to clean the lift. Wet a cloth with the cleaning product and wring dry. Then gently wipe off the lift. Use caution when cleaning around the electrical connections to prevent shock to the person or damage to the electrical components.

The sling material and webbing are made of nylon. If possible, put the sling in a mesh bag to prevent the straps from getting tangled. Recommended washing instructions are as follows:

Machine wash warm - gentle cycle
Tumble dry - LOW HEAT ONLY - or drip dry
Non-chlorine chemical disinfectants OK
NO BLEACH



WARNING: EXCESSIVE HEAT AND/OR BLEACH WILL SHORTEN THE SERVICABLE LIFE OF THE SLING. IF THE SLING IS DAMAGED DUE TO IMPROPER LAUNDERING, WARRANTY IS VOID.

YEARLY INSPECTION AND MAINTENANCE

Once per year

1. Check all the bolts to be sure that none have worked loose.
2. Check that all pins are in their locked position and securely fastened.
3. Check all welds.
4. Check all electrical connections for tightness
5. Lubricate all pivot points with FDA approved light grease or dry Teflon lubricant.
6. Check all electrical wiring for any frays, kinks and or deterioration.
7. Check lock casters for proper operation.

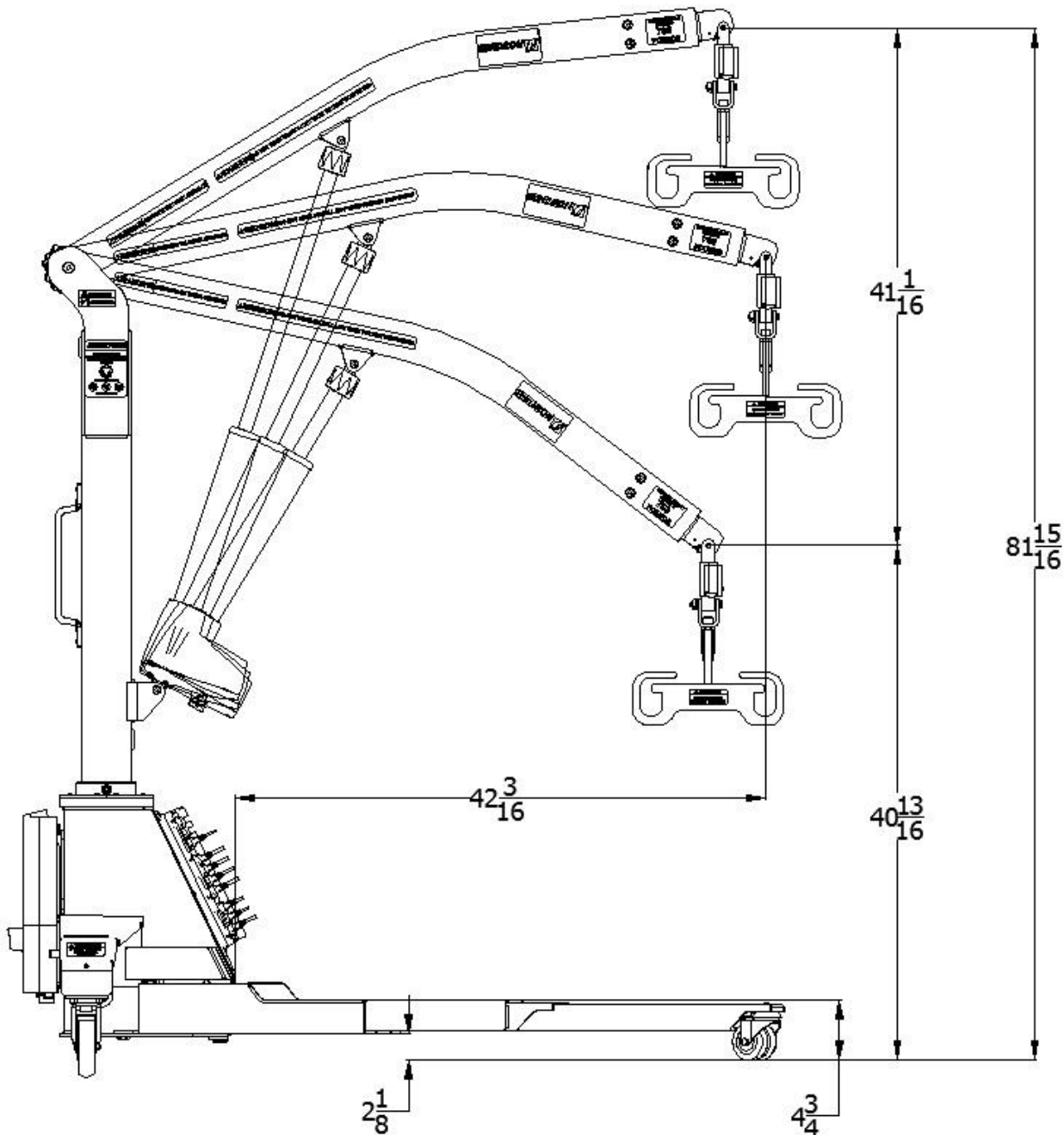
ANY DISCREPANCIES NOTED DURING INSPECTION MUST BE CORRECTED BEFORE USING THE LIFT.

Specifications

Product name: Gendron Bariatric MAXICARE Lift
Models: PL700 & PL700-S

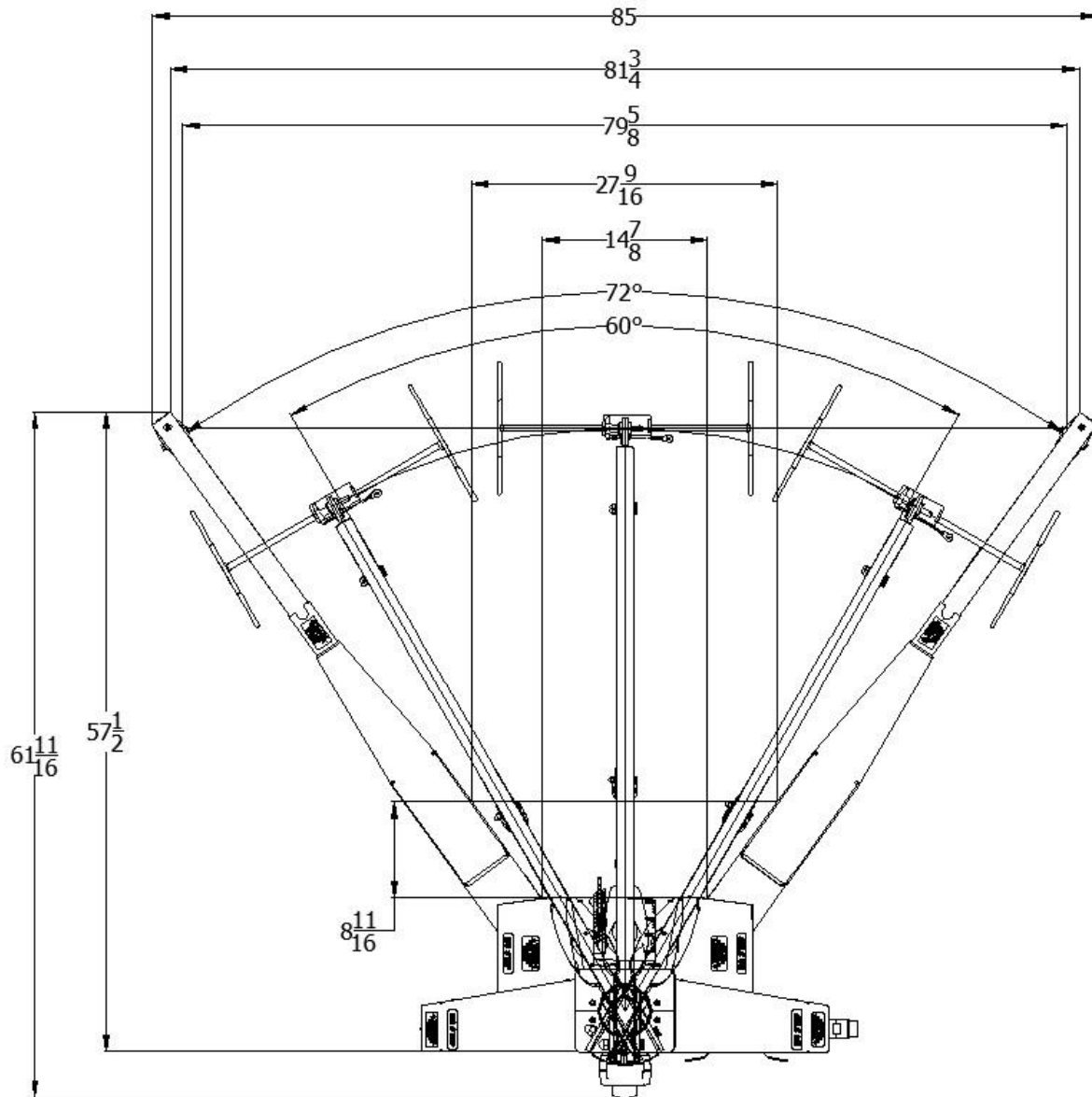
700 LB. CAPACITY

Dimensions: (PL700-S Shown)



Note:
All Dimensions are approximate and with no weight on the lift.

Specifications



Note:
All Dimensions are approximate.

Classification: Class 1, Internally Powered

Duty cycle: Max. 10% or 2 min. continuous use followed by 18 min. not in use.

Standard: ISO 10535:2006

Specifications

ENVIRONMENTAL CONDITIONS

Operating	
Temperature Relative humidity Atmospheric pressure	5°C to 30°C 20% to 90% @ 30°C – not condensing 700 to 1060 hPa
Storage and Transport	
Temperature Relative humidity Atmospheric pressure	-10°C to +40°C 20% to 90% @ 30°C – not condensing 700 to 1060 hPa

ELECTROMAGNETIC COMPATIBILITY

Medical electrical equipment needs special precautions regarding electromagnetic compatibility (EMC) and needs to be installed and put into service according to the EMC information provided.

- a. Portable and mobile radio frequency (RF) communications equipment can affect medical electrical equipment. This Product is intended for use in the electromagnetic environments specified.
- b. The end user of this product should assure it is used in such an environment.
 - i. Portable and mobile RF Communications equipment (cell phones) should not be used at close distances
 - ii. Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.

Warranty

Defective parts will be repaired or replaced by the company or its appointed agent. The warranty does not cover damage caused by misuse or negligence, nor does it cover defects or damages by use of unauthorized parts or service by an unauthorized person.

Gendron, Inc. warrants the lift frame to be free from defects in materials and workmanship for a period of five (5) years from date of purchase. Wear items including, but not limited to: casters, actuators, control module, handset, power cord, cables, bearings, pins, and sling are warranted to be free of defects in material and workmanship for a period of one (1) year. If within such warranty period any such products shall be proven to be defective, such product shall be repaired or replaced, at the company's option. This warranty does not include any labor or shipping charges incurred in replacement part installation or repair of any such product. The company's sole obligation and your exclusive remedy under this warranty shall be limited to such repair and/or replacement.

This warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

For warranty service please contact Gendron, Inc. Return authorization is required. Do not return products without our prior consent.

FREIGHT DAMAGE: The carrier who delivers merchandise to your door is responsible for loss and damages. Acceptance of the shipment by you is acknowledgment that all articles delivered were in good condition and properly packed. Therefore, all claims for loss or damage must be filed immediately with the freight carrier. Then notify us. We will mark our records accordingly. After settling claim, damaged merchandise will be picked up by the freight carrier and returned. Should you need assistance with the claim, call customer service at (800) 537-2521.

RETURN GOODS: Call customer service at (800) 537-2521

Do not return merchandise without prior authorization. All correspondence relating to this warranty must indicate Model and Serial number and be addressed to:

Gendron Inc.
520 W Mulberry St. – Suite 100
Bryan, Ohio 43506