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SECTION 1

IMPORTANT SAFEGUARDS

Please read all of these instructions prior to operating the Patriot Lateral Rotation Turning Mattress Replacement System. Retain this information for future reference. Follow all warnings and instructions that appear on the controller and the mattress.

Handling.

Use care in handling the Patriot LRT System controller. Dropping the unit may cause internal damage and cause it to malfunction. Do not use any unit that shows a sign of physical damage until it has been checked by a Tele-Made representative.

Controller Location.

Do not place the controller on an unstable table or cart. The unit may fall and be damaged. Use care in installing the controller to hospital bed foot boards to make sure the foot board can withstand the weight of the controller and the hoses.

Power Cord.

The Patriot LRT is equipped with a hospital grade, grounded line plug. The plug can only be inserted into the outlet in one way. If the plug is not usable with the wall outlet, contact your Tele-made representative prior to operating the unit. Do not defeat the safety grounding features of the product. Do not plug the unit into an outlet that is overloaded. This may damage the unit and could create a fire hazard.

Be sure to route the power cord to the wall socket in a way that will prevent the cord from being tripped over or accidentally pulled from the wall socket. Routing the cord under the bed is desirable. Do not attach the power cord to portions of a hospital bed that move into positions that will stress or cut the power cord.

Interference.

This device has been tested and found to comply with the limits for an FCC Type B device, pursuant to FCC Rules. These limits are designed to provide a reasonable protection against harmful interference in a residential installation. This equipment generates and can radiate radio frequency energy and may cause interference to radio communications if not installed and operated properly. There is no guarantee that interference will not occur. In the event harmful interference occurs, the user is encouraged to try the following measures to remedy the problem.

1. Turn the controller on and off to verify it is the cause of the interference.
2. Reorient or relocate the receiving antenna on the equipment with a problem.
3. Increase the separation between the controller and the equipment.
4. Connect the equipment to a different power outlet from the controller.
5. Consult your Tele-Made representative for assistance.

CAUTION

FEDERAL (USA) LAW RESTRICTS THIS DEVICE TO SALE BY OR ON THE ORDER OF A PHYSICIAN.

SECTION 2

QUICK REFERENCE GUIDE

Please read the User Manual before operating the system. It contains detailed information on the operation, cleaning and maintenance of the system.

System Controls.

The function of each key is described below.

Firm. This key causes the mattress surface to become firmer. The firmness level selected is displayed by the number of L.E.D.'s. 1 is the softest and 10 is the firmest.

Soft. This key causes the mattress surface to become softer. The firmness level selected is displayed by the number of L.E.D.'s. 1 is the softest and 10 is the firmest.

Auto firm. This key causes the mattress to inflate to maximum firmness for positioning the patient on the bed.

Static. This key is used to cancel the Turning mode. Pressing this key causes the mattress to enter the static pressure mode that equalizes pressures in both mattress zones.

Turn. This key adjusts the alternation period from approximately 5 minutes to 20 minutes. Each press of the key will advance the time display by one time period. The time period is the time for both alternating zones to vent once.

Lockout **THIS IS A HIDDEN KEY** the flag must be held down for three seconds or until L.E.D. is illuminated next to the flag. This prevents accidental changing of the operating mode. **Exit lockout by pressing the flag (1) time.**

Cardiopulmonary Resuscitation (CPR).

Cardiopulmonary Resuscitation (CPR) requires a rapid deflation of the mattress. If CPR is required, remove the two hoses from the controller. Press the lock button on the quick disconnect for each hose to release the hose from the controller. This will allow the mattress to vent the air in the air cells. Open (CPR) release at the head of the bed.

When the mattress needs to be re-inflated, reconnect the air hoses and plug in the power cord.

SECTION 3

OPERATING INSTRUCTIONS

How the Patriot LRT System is used.

The Patriot Lateral Rotational Turning Mattress Replacement System incorporates low air loss therapy techniques to reduce interface pressures on the skin surface. When the patient is placed on the mattress surface, the mattress firmness is adjusted with the firmness controls to allow as much of the body surface to come in contact with the surface as possible. This distributes the body weight across the mattress surface.

Air is released through the openings in the top of each air cell to remove water vapor that has transpired through the top cover and to allow air to flow through the cover onto the patient's skin. This reduces the effects of excessive moisture on the skin and can assist in the healing of wounds to the skin.

Installation of the Patriot LRT System.

The Patriot Lateral Rotational Turning Mattress Replacement System can be placed on any conventional bed used in hospitals, nursing homes or a home health care bed. The original bed mattress should be removed and stored in an appropriate place. The following steps should be followed in installing the system:

1. Roll out the mattress onto the bed frame with the air hoses exiting at the foot of the bed.
2. Strap the mattress base to the bed frame. Use caution when attaching the straps to make sure there is no strap damage when the bed position is changed.
3. Place the controller on the foot board as close to the center as possible. Make sure the hoses can reach the controller without undue strain.
4. Connect the air hoses to the controller. Press the hose onto the controller connector until the hose connector clicks. Pull back gently on the hose connector to verify the mechanical connection is secure.
5. Examine each of the air cells in the mattress. Make sure each air cell is vertical and not twisted in the mattress base.
6. Check the fittings on the end of each air cell to make sure they are securely fastened to the mattress base. Loose air cell connectors may prevent the mattress from inflating properly.
7. Route the cord in a safe manner to the closest power outlet and plug in the unit.
8. When the unit is powered up, set the firmness setting to 9 and the mode to Static. This will fill the mattress more rapidly in preparation for the patient.

9. Note the inflation of the air cells. Make sure all air cells are standing up straight and are not twisted in the mattress base.
10. Adjust the firmness level for the patient. Heavier patients require higher firmness levels. Lighter patients require lower firmness levels.
11. Install the top sheet cover and attach with the full zipper.
12. When the mattress is fully inflated, the controller may be placed in Alternate Mode.

NOTE: The Patriot Lateral Rotational Turning Mattress top cover is designed for use without a top sheet. If a bottom sheet is desired, place a flat sheet over the top cover and allow it to drape over on all four sides of the bed. Do not tuck in the ends of the sheet under the mattress. The bottom sheet must have give to conform to the patient's body profile. This relieves excess pressure and shear on the skin.

SECTION 4

PATIENT CARE FUNCTIONS

Positioning the Patient.

1. A patient can be moved when the mattress is in the Static or Alternating Pressure modes.
2. To reposition the patient, change the mattress to Static Mode and increase the firmness setting to "9". This makes the mattress surface firm and facilitates the repositioning of the patient with less strain on the caregiver.
3. When the patient has been repositioned, change the firmness level to a lower setting and press the Alternating Pressure key.

NOTE: Do not leave a patient unattended on the mattress surface with the safety rails in the down position. When leaving a patient, secure the safety rails in the up position. Make sure the safety rails are high enough to properly protect the patient when the mattress is fully inflated.

Backrest Up or Fowler Position.

When the patient's backrest is elevated, it may be necessary to increase the mattress firmness to compensate for the additional weight placed in the center portion of the mattress. Observe the patient for a short time after raising the backrest to make sure the buttocks and thigh areas are not bottomed out.

Patient Transfer on the Patriot LRT System.

The controller will sustain the mattress inflation, if power is lost. The mattress base contains a foam pad to reduce the chance of injury if the mattress deflates. Power should be restored as soon as possible after transporting the patient. Be sure to adjust the firmness setting so the unit will return to the proper firmness.

Patient Care in the Event of a Power Failure.

The controller will sustain the mattress inflation if power is lost. Monitor the patient carefully to prevent injury.

CAUTION

Extreme care should be taken when using oxygen equipment. **DO NOT USE AN OXYGEN TENT NEAR THE PATRIOT LRT SYSTEM.** Because of the high airflow generated by the Patriot Lateral Rotational Turning Mattress System, smoking is not recommended in the proximity of the controller. To reduce the risk of electrical shock, do not remove the cover or otherwise tamper with the operation of the controller.

SECTION 5

CARE AND MAINTENANCE

Patriot LRT System Maintenance

The Patriot LRT System requires routine cleaning and maintenance to insure top performance. The caregiver should familiarize himself with the following information before maintaining the mattress.

Control Unit

Filter – The Patriot controller has one filter at back of unit. The filter needs to be checked on a weekly basis and kept clean. The unit will not operate properly without proper intake of air.

Semi-permeable Top Cover

The Top Cover must be in place when the patient is on the mattress. The Top Cover should be removed and laundered periodically for sanitary reasons. Laundering instructions are provided below. Additional Top Covers are available for laundry rotation. Please contact your Tele-Made representative for further information on additional Top Covers.

The Top Cover should be wiped off with a warm, soapy cloth, rinsed and wiped dry to remove stains and body fluids between launderings. Caregivers should take care to make sure the Top Cover is not damaged by abuse. Protect the Top Cover and air cells from cigarette burns, sharp objects, tears from unprotected X-ray plates and pin holes. **DO NOT CLIP OR PIN ITEMS TO THE TOP COVER SUCH AS NURSE CALL CORDS, PATIENT LINES OR OTHER CABLES.**

The barrier on the top sheet of the cover is a woven nylon fabric coated on the underside with a membrane coating. The coating allows air and water vapor to pass through while stopping liquids from penetrating the cover. The cover has a slick and soft surface to minimize shear forces on the skin. The material is very soft to permit easy conformity to the skin surface.

Laundering the Semi-Permeable Top Cover

The Top Cover should be washed with a commercial soap in a washing machine with a water temperature of 120 Degrees Fahrenheit (120°F). Add disinfectant solution in the final rinse cycle. The covers should be immediately placed in a dryer set to low/delicate heat or hung to air dry. Once dry, the covers can be bagged in plastic or immediately returned for patient use.

The Mattress Base

The mattress base contains 20 air cells mounted above a foam base. The air cells provide the air support to hold the patient above the mattress base. The air cells can be easily cleaned with mild cleaning solution and warm water. Be sure to rinse off the cleaning solution completely after cleaning. Wipe the cells dry after rinsing.

The mattress pad and Taffeta Mattress base can be cleaned in the same manner as the air cells. Be sure all mattress components are dry before reassembling the mattress.

The Air Cells

Air cells and air manifolds can be replaced easily in the event they become damaged. Immediately replace any damaged air cells or air manifolds as they may prevent the mattress from reaching full inflation. Air cells can be replaced by detaching each hook and loop closure at the end of the air cell from the mattress base.

Recommended Cleaning Solutions

The following products are recommended for use with the Patriot LRT System and are registered with the EPA as hospital disinfectants. All of the following products should be used in strict accordance with manufacturer's instructions.

Distributor

CARE Labs, Inc.
12706 Settemont Road
Missouri City, TX 77489
(281) 835-9600

Steri-Fab – Bactericide, Sanitizer, Fungicide, Mildewcide, Insecticide, Deodorant, Germicide, and Viricide

Alpine – Liquid laundry detergent concentrate

Spritz – Decontaminates surfaces – cleans, deodorizes, mildewstat, virucide, disinfectant, tuberculocidal, and fungicide

NOTE: Be sure to wear eye protection and clean gloves when mixing and using detergent/disinfectant solutions. Dispose of used solution by EPA approved methods.

Cleaning Between Patient Use

1. Thoroughly spray disinfectant solution on the Top Cover of the mattress and wipe down with towels.
2. Wipe air cells down with disinfectant solution and wipe dry with towels.
3. Wipe air manifolds down with disinfectant solution and wipe dry with towels.
4. Wipe down the foam pad and the mattress base with disinfectant solution and wipe dry with towels.
5. Place the Top Cover in an appropriate receptacle for laundering.

SECTION 6

PRODUCT SPECIFICATIONS

<u>Controller</u>	Dimensions:	14.26" x 5.5" x 11.5"
	Weight:	10 lbs.
	Air Pressure Range:	3" to 13" of water
	Air Pressure Zones:	Two (2) variable pressure zones
	Operating Temperature:	+50°F to 110°F
	Storage Temperature:	-10°F to +150°F (Unit must be warmed if stored in a cold environment prior to operation.)
	Power Requirements:	+120 VAC 60 Hz 0.5 Amps Maximum
	Power Consumption:	40 Watts (Average)/48 Watts (Maximum)
	Fuses:	Two (2) 0.5 Amp 3AG
	Power Cord Length:	14 foot detachable with hospital grade plug
	Bed Board Mounting Requirements:	Bed board must be capable of supporting a minimum of 100 lbs. The thickness can range from 1" to 2 ¼".
<u>Mattress</u>	Mattress Dimensions:	80" x 35" x 10"
	Foam Pad Dimensions:	80" x 35" x 1"
	Number of Air Cells:	3
	Number of Air Cell Zones:	2
	Mattress Weight:	28 lbs
	Air Cell Height:	8" high

WARRANTY FOR PATRIOT AIR SYSTEMS

The Patriot Control Units are backed by a two (2) year warranty. It is an unconditional warranty against defects in material and workmanship.

The Patriot Support Surfaces, which includes air cushions, mattress base, and foundation, is unconditionally warranted against defects in material and workmanship for one (1) full year.

Tele-Made's standard warranty is extended to the original buyer purchasing the equipment directly from Tele-Made or through its authorized dealers. All warranty periods, where applicable, commence on the date of purchase from Tele-Made or its authorized dealers.

Tele-Made's sole obligation and liability under this warranty is limited to (at Tele-Made's option) the repair or replacement by Tele-Made's authorized personnel of any parts or assemblies, which upon test and examination by Tele-Made, prove to be defective. This equipment may be returned prepaid to Tele-Made after notification has been given and approval obtained for the return. Equipment will be repaired in a timely manner and returned to customer at Tele-Made's expense.