

Safe-TCare Manufacturing, Inc.

AMBASSADOR 1200

Plus



OPERATIONS MANUAL

***FOR TECHNICAL SUPPORT
CALL
1-888-682-5017***

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INTRODUCTION

The Ambassador 1200 Plus Bariatric Bed has been uniquely designed to make management of obese and morbidly obese patients easier and more risk-free. Features include:

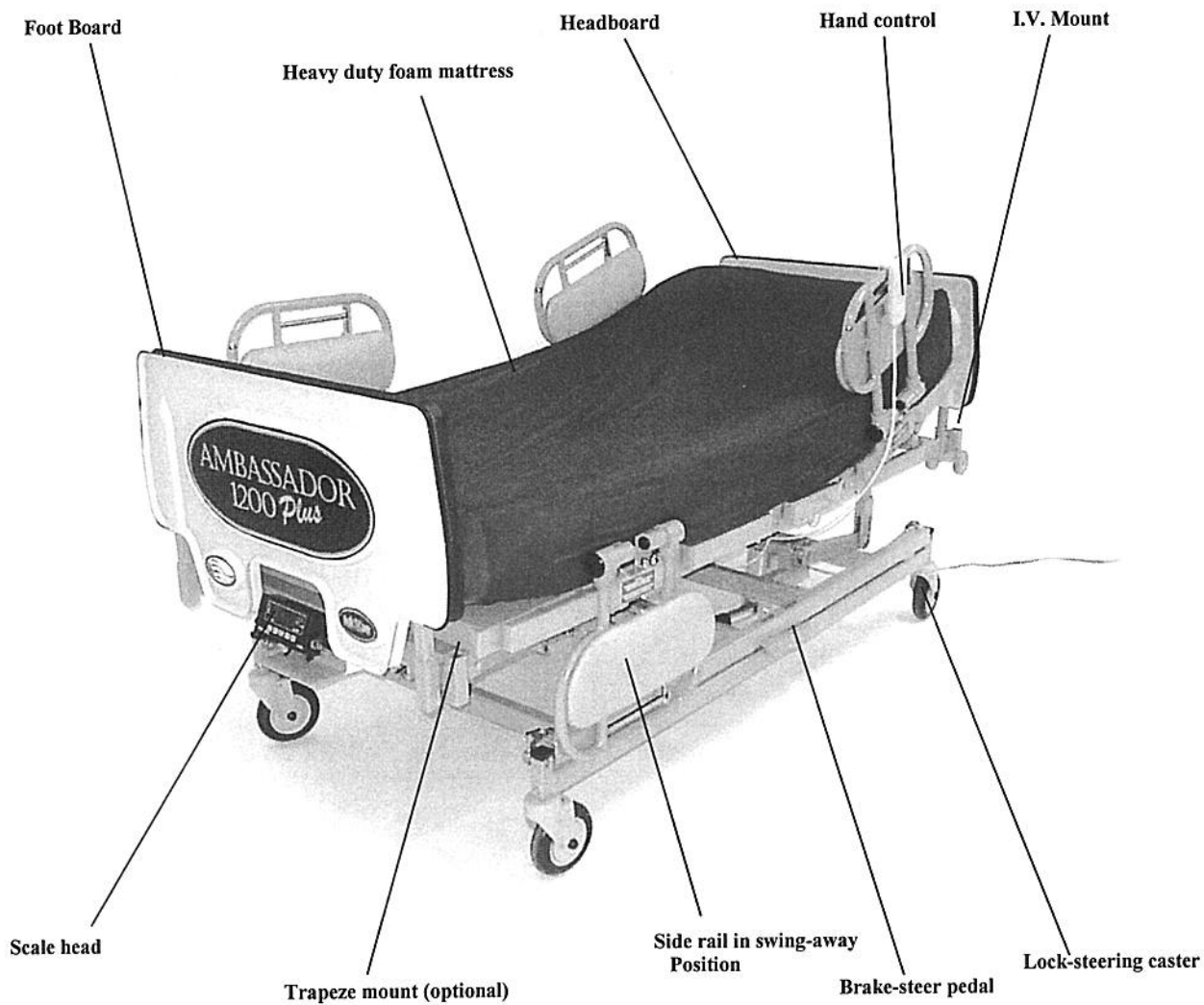
- Minimum width allowing accessibility through almost all hospital doors
- Telescopic expansion of each side to accommodate patients up to 58"
- Telescopic expansion of length to accommodate patients up to a maximum of 91 ½"
- Four wheel brake and steer
- Most accurate and repeatable AC powered patient scale with 1500 lb. capacity
- 5" heavy duty casters
- 5 button hand control pendant featuring single button seat position

This manual is designed to assist you with the operation of the Ambassador 1200 Plus Bariatric Bed. Read it thoroughly before using this equipment.

SPECIFICATIONS

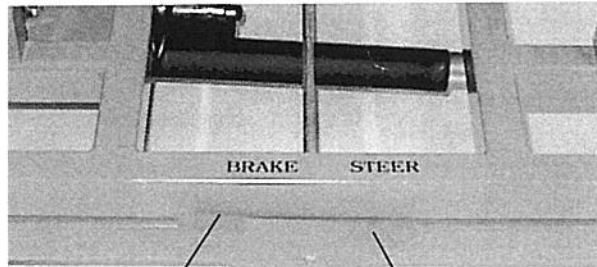
Weight capacity	1200 lbs.
Bed weight	602 lbs.
Maximum height of bed platform to floor	31 ¾"
Lowest height of bed platform to floor	17 ¼"
Standard length of bed	81 ½"
First expanded length of bed	88"
Maximum expanded length of bed	91 ½"
Maximum outside width of bed (caster to caster) with siderails removed	38 ¼"
Maximum width of bed (outside rail to outside rail)	40 1/8"
Minimum width inside siderails	37 ½"
Width of bedpan, first extension	43 ½"
Width of bedpan, second extension	52 ½"
Widest expanded width of bedpan	58"
Head elevation from flat surface	60°
Head elevation in chair position	72°
Knee gatch angle	0°-40°
Trendelenberg/Reverse Trendelenberg	-15° to +15°
Weight system accuracy	+/- 1% in level position

BED ILLUSTRATION



BED ILLUSTRATION (CONTINUED)

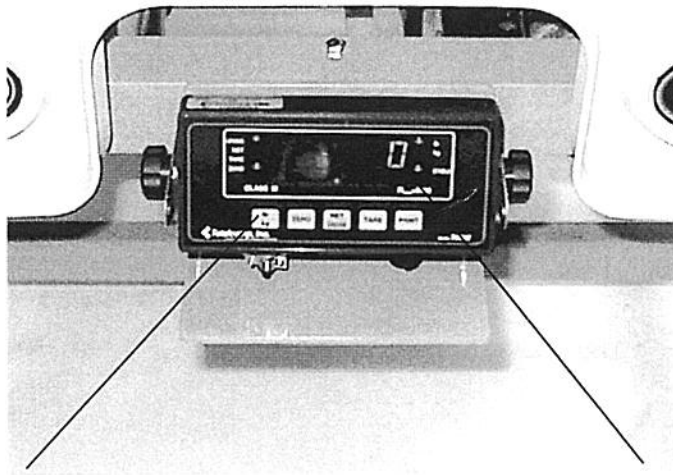
Figure 1A (4-Wheel Brake & Steer Pedal)



Press left side of pedal
to engage 4-wheel lock brakes

Press right side of pedal
to engage steering mechanism

Figure 1B (Scale-Front Panel showing LED Display and Controls)

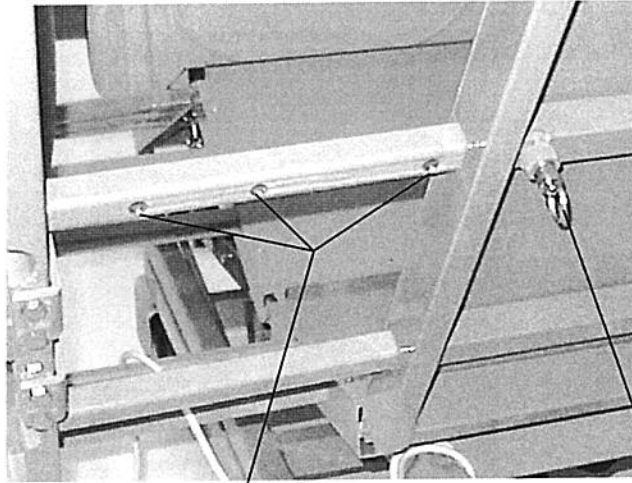


5 Button controls

LED Display

BED ILLUSTRATION (CONTINUED)

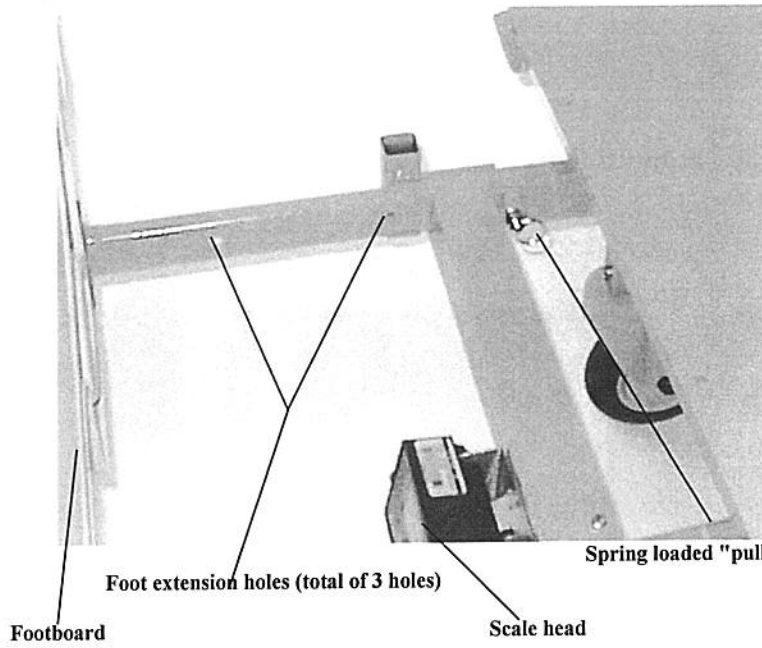
Figure 1C - Side Width Expansion of Bed Pan (Bottom view)



Expansion holes in extension
Frame (5 holes in all)

Spring loaded "pull-release" ring

Figure 1D-Foot Length Extension of Bed Pan (Top View-Foot of Bed)



Footboard

Foot extension holes (total of 3 holes)

Scale head

Spring loaded "pull-release" ring

BED ILLUSTRATION (CONTINUED)

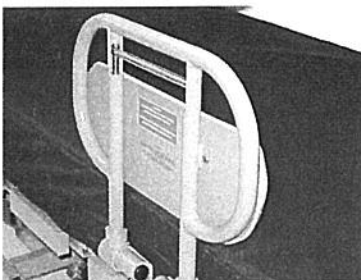
Figure 1E - PENDANT HAND CONTROL



5-Function Pendant
Can be positioned on either side of bed

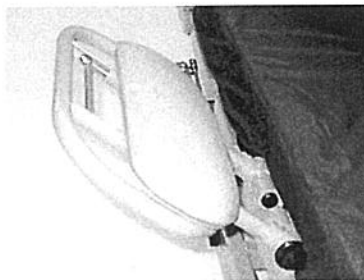
Figure 1F,1G,1H - Siderail Operation (3 Position)

Fig. 1G



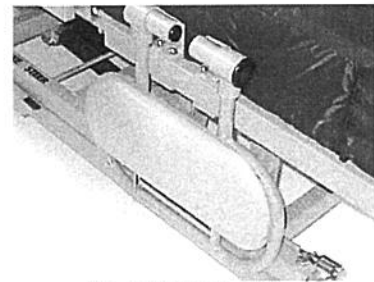
Locked in "UP" Position

Fig. 1H



Locked in 45° Position

Fig.1F



"DOWN" Position

BED ILLUSTRATION (CONTINUED)

Figure 1I and 1J - Headboard and Footboard Removal

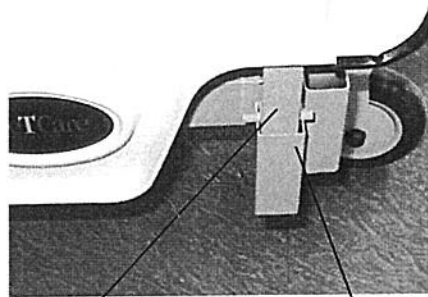


Fig. 1I Footboard

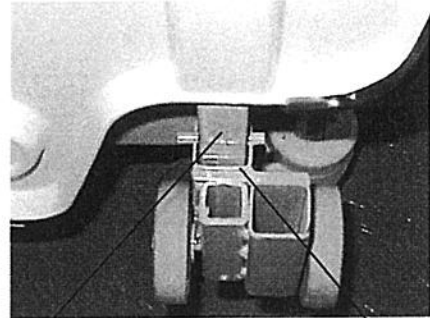


Fig. 1J Headboard

Headboard extension
post

Headboard bracket

Footboard extension post

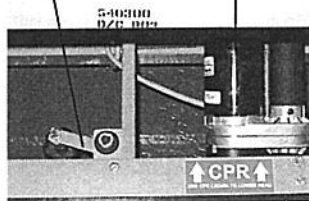
Footboard bracket

HEADBOARD/FOOTBOARD REMOVAL

1. With an upward pull the headboard and footboard extensions easily slide out of the headboard/footboard brackets for easy removal.

Figure 1K - CPR Operation

Crank storage Actuator motor



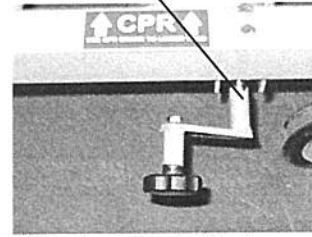
Top view looking down on
Bottom frame at head of bed

Actuator extension



View from head of bed on
bottom frame

Crank on actuator extension

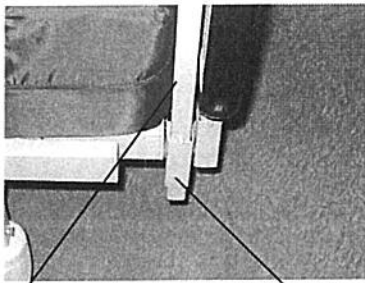
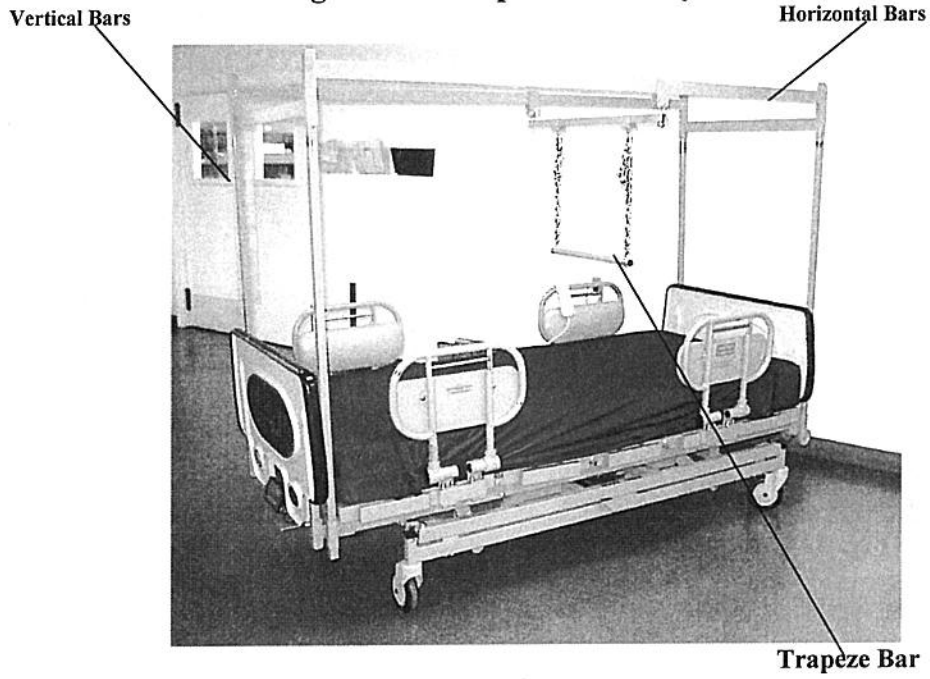


View from head of bed on
bottom frame

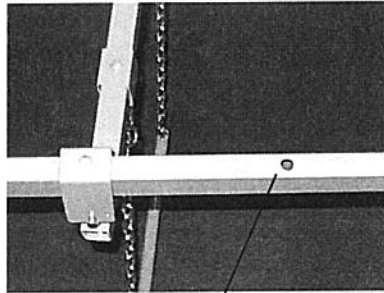
HOW TO PREPARE BED FOR CPR

1. If the bed is still supplied with electricity use hand control pendant to get patient in supine position.
2. *If there is no electrical supply* look for **crank** attached to the lower frame at the head of bed. Pull crank downward to remove from frame.
3. Locate **actuator extension** at the head of the bed. Place crank on the actuator and firmly seat the crank onto the extension.
4. *Turn crank counterclockwise* to lower head of bed.
5. If **foot section** of bed is in up position, take crank to bottom of bed and repeat process at the bottom actuator to lower foot section.

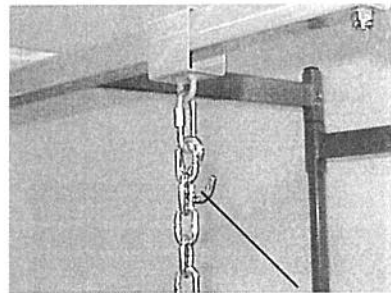
Figure 1L - Trapeze Assembly



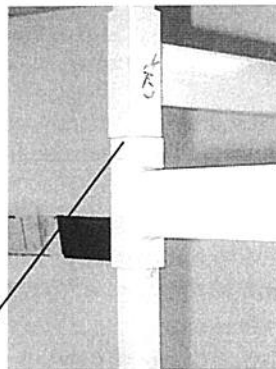
Vertical bar Trapeze housing



Adjustable holes for trapeze bar



"S" hook for trapeze adjustment



Horizontal/Vertical bar attachment

BED LABELS

It is important that labels on the bed be observed. They are for both you and the patient's safety.

“WARNING” indicates that the safety of the patient or user may be involved. Disregarding this information could result in injury to the patient or user.

“CAUTION” means these instructions point out special procedures or precautions that might be followed to avoid damaging the equipment.

“NOTE” provides special information to make important instructions clearer.

SAFETY TIPS AND GUIDELINES

Carefully read and strictly adhere to the safety guidelines listed below.

It is important that all users have been trained and educated on the inherent hazards associated with the usage of electric beds.

WARNING

- ◆ Powered bed mechanisms can cause serious injury. Operate bed only when all persons are clear of the mechanisms.
- ◆ To help reduce the number and severity of falls by patients, *always leave the bed in the lowest position when the patient is unattended.*
- ◆ *Leave the siderails fully up and locked when the patient is unattended.* When raising the siderails, listen and feel the “click” that indicates the siderail has locked in the up position. Pull firmly on the siderail to assure it is in the locked position. Siderails are not intended to be a patient restraint device. It is the responsibility of the attending medical personnel to determine the degree of restraint necessary to ensure a patient will remain safely in bed.
- ◆ *Always lock brakes when a patient is on the bed (except during transport).* Serious injury could result if the bed moves while a patient is getting in or out of bed. After the brake pedal is in “locked” position, push on bed to assure the locking mechanism is in place.
- ◆ *Should a large spill of fluid occur in the area of the electric components under the bed, immediately unplug the bed power cord from the wall socket. Remove the patient from the bed and clean up the spill. Have maintenance check the bed for safety. Fluids can affect the operational capabilities of any electrical product. DO NOT put the bed back into service until it is completely dry and has been thoroughly tested for safe operation.*

CLEANING THE BED

Do not steam-clean or hose off the bed. Do not immerse any part of the bed in liquid. The internal electrical parts may be damaged by exposure to excessive moisture. Use the following guidelines for bed cleaning:

- ✓ Hand-wash all surfaces of the bed with warm water and mild detergent.
- ✓ Dry thoroughly.
- ✓ Preferably use Quaternary Germicidal Disinfectants, as directed and/or Chlorine Bleach products, typically 5.25% Sodium Hypochlorite in diluted to 1 part bleach to 100 parts water. **NOTE: THESE PRODUCTS ARE CORROSIVE AND MAY CAUSE DAMAGE TO THE BED IF USED IMPROPERLY.** If these products are used to clean the Ambassador 1200 Plus, measures must be taken to insure the beds are wiped with clean water and thoroughly dried following cleaning. Failure to properly rinse and dry the beds will leave a corrosive residue on the surface of the bed, possibly causing premature corrosion of critical components. Failure to follow the above directions when using these types of cleaners may void the product's warranty. **For removal of IODINE COMPOUNDS, use 1-2 tablespoons of sodium thiosulfate in a pint of warm water to clean the stained area. Clean as soon as possible after staining occurs. If stains are not immediately removed, allow solution to soak or stand on the surface.**
- ✓ Preventative maintenance should be performed at a minimum of biannually to assure all bed features are functioning properly. Close attention should be given to safety features including, but not limited to:
 - Frayed electrical cords and components
 - All electrical controls return to off or neutral position when released
 - Caster braking systems
 - No controls or cabling entangled in bed mechanisms
 - Leakage current 150 MA maximum
 - Scale and bed exit systems calibrated properly.
- ✓ Always unplug bed during service or cleaning. When working under the bed with the bed in the high position, always place blocks under the pan frame and set the brakes to prevent injury in case the Bed-Down switch is accidentally pressed.

CHECKLIST (PERFORM A MINIMUM OF TWICE A YEAR)

_____ All fasteners secure (reference all assembly printss)

_____ All casters lock with brake pedal engaged

_____ Locking steer caster engages and disengages properly

_____ Siderails move, latch and stow properly

_____ CPR crank works smoothly and properly

_____ No cracks or splits in head and foot boards

_____ No rips or tears in the mattress cover

_____ Scale calibrated properly

_____ Power cord not frayed or cut

_____ No cables worn or pinched

_____ All electrical connections tight.

_____ All grounds secured to the frame

_____ Ground impedance not more than 150 milliohms

_____ Current leakage not more than 150 microamps

_____ All 4 actuators working properly

_____ Check for correct angle of headraise

_____ Check for correct operation of all hand control buttons

_____ Check for correct knee gatch angle

Bed Serial No. _____

Completed by: _____

Date: _____

AMBASSADOR 1200 PLUS® SET-UP PROCEDURES

It is important that the Ambassador 1200 Plus® Bariatric Bed is working properly before it is put into service. The following list will assure that each part of the bed is tested.

- ✓ Plug the bed into a properly grounded, hospital grade wall receptacle and ensure the power is on by observing the scale head electrical activity.

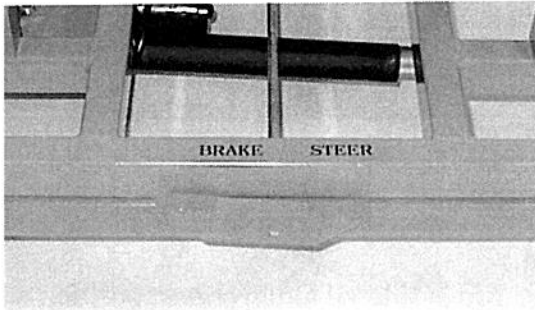
NOTE: The Ambassador 1200 Plus® is equipped with a hospital grade plug for protection against shock hazard. It must be plugged directly into a properly grounded 3-prong receptacle. Grounding reliability can be achieved only when a hospital grade receptacle is used

- ✓ Ensure the siderails raise, lower, and store smoothly and lock in the up and 45° positions.
- ✓ Ensure that all four casters lock when the brake pedal is engaged.
- ✓ Test each function on the pendant hand control to assure each function operates properly.
- ✓ Test high/low function on the pendant hand control to assure that nothing is entrapped in the mechanical parts of the bed.
- ✓ Check to be sure the CPR crank is in its proper storage mount and ready for use.
- ✓ Become familiar with the CPR procedure.
- ✓ Check for locations of the actuator extension (crank connection) at head and foot of bed. These are to be manually actuated in case of power failure.

If any problems are observed during the set-up phase, please contact Safe-TCare Technical Support at 1-888-682-5017.

OPERATION GUIDE

I. BRAKE & STEER OPERATION



BRAKE

STEER

STEER

BRAKE

BRAKES

1. Locate the brake & steer pedal in the center of the lower frame (pedals are located on both sides of the frame).
2. To apply 4-wheel brakes use foot to press down on the side of pedal labeled "BRAKE" until the pedal locks into place.
3. To release brake mode use foot to press down on side of pedal marked "STEER" allowing pedal to stop in neutral position parallel with the bed frame.

STEER

Steering mode locks the left head caster in a position parallel to the axis of the frame. This mode allows the bed to steer easier, preventing side-to-side movement when transporting.

1. Locate the brake & steer pedal in the center of the lower frame (pedals are located on both sides of the frame).
2. To apply steering mode use foot to press down on the side of pedal marked "STEER" until the pedal locks into place. The left head caster should automatically lock in position.
3. To release steer mode use foot to press down on the side of pedal marked "BRAKE" allowing pedal to stop in neutral position parallel with the bed frame.

NOTE: Neutral position of brake & steer pedal removes braking & steering capabilities.

II. SIDERAIL OPERATION

The siderails have three positions as shown.



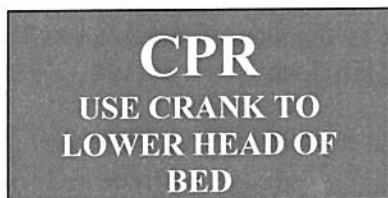
Spring-loaded lockbar

1. **UP POSITION** Grasp the spring-loaded lockbar and squeeze until lock releases. Move siderail to uppermost position and release spring-loaded lockbar. Test to assure lockbar has secured the siderail in locked mode.
2. **45° POSITION** Grasp the spring-loaded lockbar and squeeze until lock releases. Move siderail to 45°-position and release spring-loaded lockbar. Test to assure lockbar has secured the siderail in locked mode.
3. **DOWN POSITION** Grasp the spring-loaded lockbar and squeeze until lock releases. Move siderail to lowermost (down) position. Siderail *does not* lock in this position.

SIDERAIL CAUTIONS:

1. *BE SURE SIDERAIL IS FIRMLY LOCKED WHEN PLACED IN UP-POSITON.*
2. *NEVER ALLOW PATIENT TO EGRESS FROM BED WITH SIDERAIL LOCKED IN 45° POSITION.*

III. CPR PROCEDURE



If there is electrical power to the bed, replace bed to supine position using hand control pendant to lower foot and head of bed. If there is no electrical power to the bed locate crank, clipped to the head frame. Remove crank and place crank onto the actuator extension and turn crank counterclockwise until head of bed is completely down. To lower foot of bed, repeat the cranking procedure at the foot actuator located at the foot of the bed.

IV. OPERATION OF HAND CONTROL PENDANT



The hand control pendant has five (5) functions:

1. HEAD-UP/HEAD-DOWN
2. FOOT-UP/FOOT-DOWN
3. BED HIGH/LOW
4. TRENDELENBERG/REVERSE TRENDELENBERG
5. CHAIR POSITION

HEAD-UP/HEAD-DOWN To elevate the head of the bed press and hold the left button in the HEAD section of the pendant. Release button when the desired height is reached. To lower the head of the bed press and hold the right button in the HEAD section of the pendant. Release button when the desired height is reached.

FOOT-UP/FOOT-DOWN To raise the foot of the bed press and hold the left button in the FOOT section of the pendant. Release button when the desired height is reached. To lower the foot of the bed press and hold the right button in the FOOT section of the pendant. Release button when the desired height is reached.

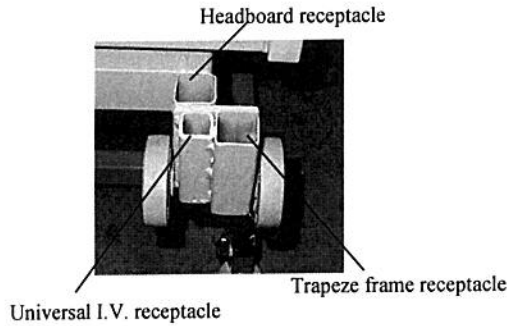
BED HIGH/LOW To elevate height of bed press the left button in BED section of pendant. Release button when the desired height of bed is reached. To lower height of bed press and hold the right button in the BED section of the pendant. Release button when the desired height is reached.

TRENDELENBERG/REVERSE TRENDELENBERG To put bed in Trendelenberg mode push and hold button on left side of TREND section of pendant. Release button when the desired level of Trendelenberg is reached. To take bed out of Trendelenberg, press and hold button on the right side of the TREND section of pendant. Release button when bedpan is parallel to lower frame.

To put bed in reverse Trendelenberg mode push and hold button on the right side of TREND section of pendant. Release button when the desired level of reverse Trendelenberg is reached. To take bed out of reverse Trendelenberg, press and hold

button on the left side of TREND section of pendant. Release button when bedpan is parallel to lower frame.

V. I.V. STANDARD (Does not come with bed)



I.V. brackets are provided on each corner of the head of the bed. The I.V. pole is not provided with the bed.

VI. HEADBOARD/FOOTBOARD FUNCTIONS

Both headboard and footboard are designed for smooth and easy removal by slipping out of the headboard/footboard receptacles shown above.

VII. TRAPEZE (Optional equipment)

The Ambassador 1200 Plus Bariatric Bed is designed with an optional trapeze frame, fitting into trapeze receptacles at the 4-corners of the bed frame. A trapeze bar hangs from the frame and has been tested at 1000 lb. capacity.

VIII. SCALE OPERATION



The Ambassador 1200 Plus Bariatric Bed has a built-in A.C.adapter-12 VDC, 500 mA weight indicator (scale).

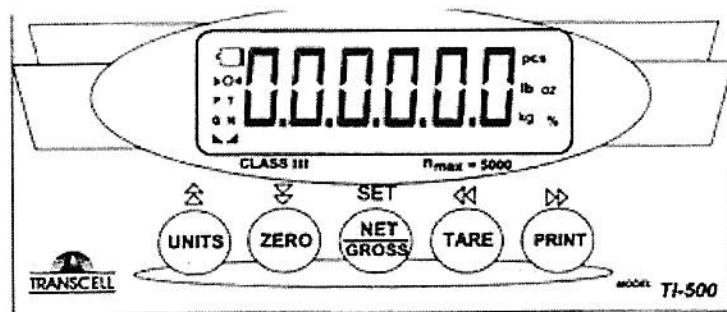


FIGURE 1-1: TI-500 Front Panel

1. DISPLAY

The scale panel consists of a 6-digit LED display and a 5-function keyboard namely

1. UNITS (LBS./KG.)
2. ZERO
3. NET/GROSS
4. TARE
5. PRINT

UNIT KEY This key toggles the preference of your choice of pounds or kilograms.

ZERO KEY This key sets the indicator to display zero provided the following conditions are met:

1. The indicator is displaying gross weight
2. The displayed weight is within the zero reset range that is programmed in the setup menu.
3. The scale is not in motion
4. The scale is not in overload.

NET/GROSS KEY This key toggles the indicator between gross weight and net weight only if a tare has been established

TARE KEY Tare is defined as the difference between gross and net weights. This key is used to establish a tare provided the following conditions are met:

1. The indicator is not at or below gross zero
2. The scale is not in motion
3. The scale is not in overload

PRINT KEY This key is only used to send weight information out to a serial port of a printer. If no printer is connected, this key should be ignored.

2. GENERAL SCALE OPERATION

WEIGHING A PATIENT:

- 1) Select the desired weighting unit by pressing the lb./kg key until that unit is indicated on the display.
- 2) If necessary, press the ZERO key to obtain a weight reading of zero.
- 3) Place the patient on the bed and allow the weight indication to stabilize. If the patient's weight exceeds the scale's weight capacity, it displays " □ □ □ □ □ □
- 4) Read the weight shown on the display.

WARRANTY

Safe-TCare Manufacturing, Inc. warrants to the original purchaser that the AMBASSADOR 1200 PLUS® should be free from defects in material and workmanship for a period of either: one (1) year parts and labor or two (2) years for parts only, after date of delivery. Safe-TCare Manufacturing, Inc.'s obligation under this warranty is expressly limited to supplying replacement parts for, or replacing, at its option, the whole product which is, in the sole discretion of Safe-TCare, found to be defective. Safe-TCare warrants to the original purchaser that the frame and welds on its bed will be free from structural defects for as long as the original purchaser owns the bed. If requested by Safe-TCare, this product or parts for which a warranty claim is made shall be returned prepaid to Safe-TCare's factory. Any improper use or any alteration or repair by others in such manner as in Safe-TCare's judgment affects the product materially and adversely shall void this warranty. No employee or representative of Safe-TCare is authorized to change this warranty in any way.

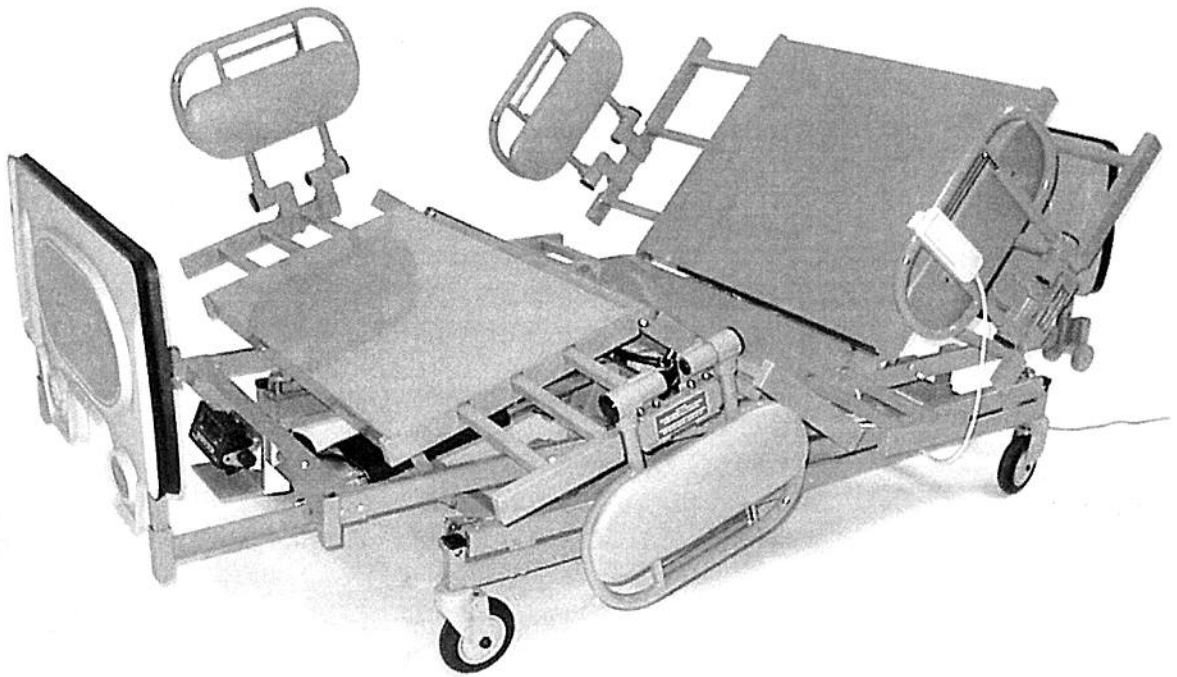
This statement constitutes Safe-TCare Manufacturing, Inc.'s entire warranty with respect to the aforesaid equipment. SAFE-TCARE MAKES NO OTHER WARRANTY OR REPRESENTATION, EITHER EXPRESSED OR IMPLIED, EXCEPT AS SET FORTH HEREIN. THERE IS NO WARRANTY OF MERCHANTABILITY AND THERE ARE NO WARRANTIES OF FITNESS FOR ANY PARTICULAR PURPOSE. IN NO EVENT SHALL SAFE-TCARE BE LIABLE HEREUNDER FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM OR IN ANY MANNER RELATED TO SALE OR USE OF ANY SUCH EQUIPMENT.

TO OBTAIN PARTS AND SERVICE:

For parts, service instructions or technical support, call Safe-TCare Customer Service at (888) 682-5017.

RETURN AUTHORIZATION

Merchandise cannot be returned without approval from the Safe-TCare Customer Service Department. An authorization number will be provided which must be printed on the returned merchandise. Safe-TCare Manufacturing, Inc. reserves the right to charge shipping and restocking fees on returned items.



SPECIFICATIONS

AMBASSADOR 1200

Philly

Bed Weight 602 Lbs.

Maximum Outside Width Contracted, Caster to Caster 38 1/4"

Maximum Height 32"

Minimum Deck Height 17 1/4"

Minimum Contracted Width 40 1/8"

Minimum Width Inside Rail 37 1/2"

Width, First Expansion 43 1/2"

Width, Second Expansion 52 1/2"

Widest Expanded Width 58"

Shortest Length 81 1/2"

First Expanded Length 88"

Longest Expanded Length 91 1/2"

Head Elevation From Flat Surface 55°

Head Elevation In Chair Position 72°