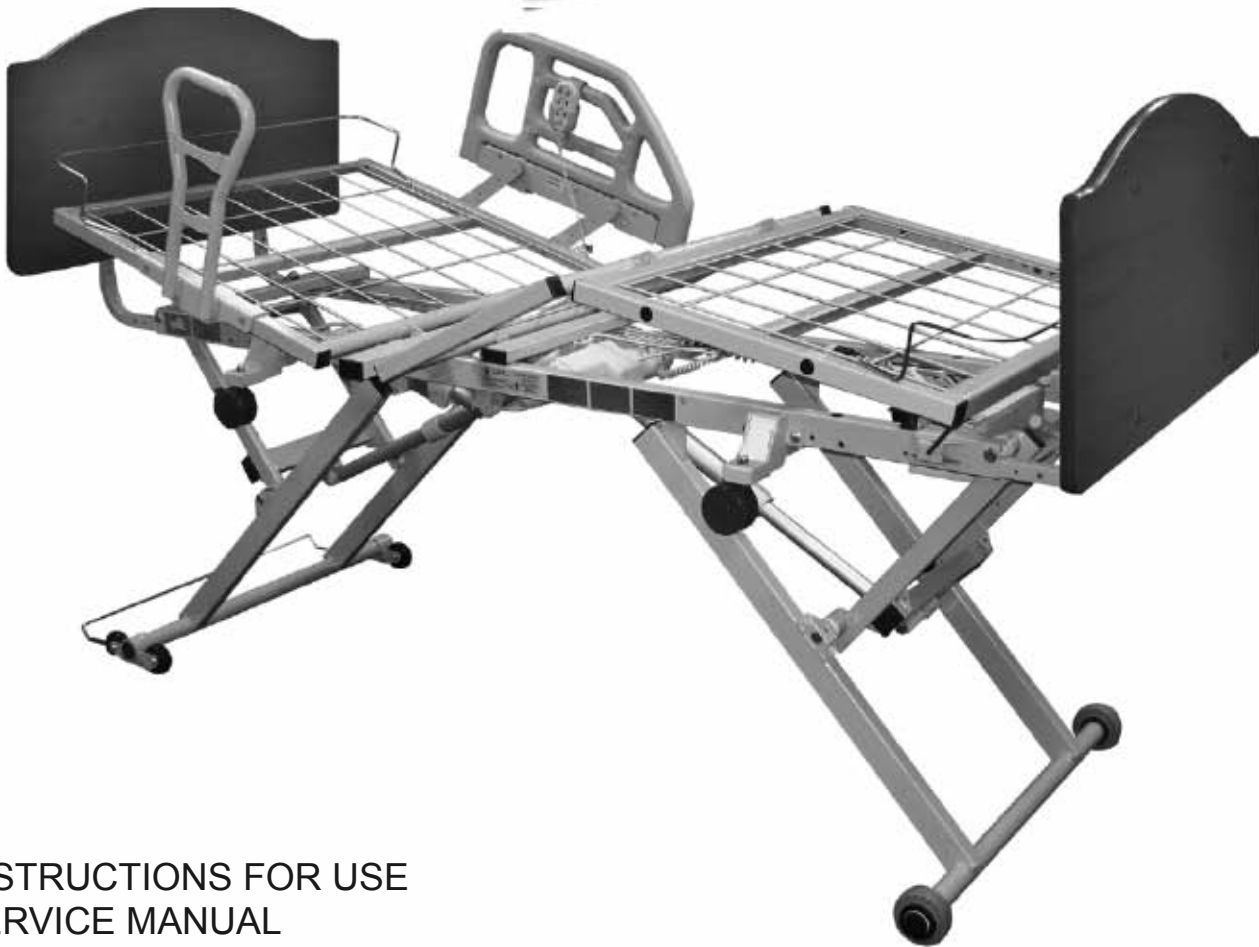




BASIC AMERICAN
MEDICAL PRODUCTS

ZENITH
SERIES

Zenith 5000



INSTRUCTIONS FOR USE SERVICE MANUAL

*To avoid personal injury or damage to bed,
please read all sections pertaining to
your bed model before use.*

ETL/UL/CSA APPROVED
UL 60601-1
IEC 60601-2-38
CSA 22.2 601.1

This service manual covers the following Zenith 5000 Models:
76" & 80" Full Electric with Low Roll Caster System & Grid Decks = ZG58174;



BASIC AMERICAN
MEDICAL PRODUCTS

Basic American Medical Products
336 Trowbridge Drive
Fond du Lac, WI 54937

For Zenith 5000 Bed Service Parts please contact
our Customer Service Department at
1-800-365-2338

GF Health Products, Inc.
2935A Northwest Parkway
Atlanta, GA 30360
www.grahamfield.com

To order a Zenith 5000 Bed please contact a
Graham Field Sales Representative at
1-800-554-9215

IMPORTANT NOTICE

GF Health Products, Inc. is not responsible for typographical errors.
All illustrations, specifications, packaging, and warranties contained in this Service Manual
are based on the latest product information available at the time of printing.
The most current product information can be found online at www.grahamfield.com.

Please check all parts for shipping damage and test before using.
In case of damage, DO NOT USE.



TABLE OF CONTENTS

Safety & Warnings 4

ID/Warning Labels 5 - 6

Entrapment/Compliance 7

Features & Specifications 8

Unpacking Your New Bed 9

Assembly - Boards 10

Plugging in Your Staff Control 11

Standard Mattress Retainers 12

Standard Wireform Wallsaver 13

Wallsaver Adapter for Trendelenberg Positions 14

Operations/Controllers & Staff Control 15 - 16

Placing the Bed into the Chair Position 17

Using Trendelenberg/Reverse Trendelenberg 18

Electronic Components 19

Electrical Cabling 20 - 22

Optional Pivot Assist Bar 23

Optional Trapeze Support Adaptor 24

Optional Battery Backup Configurations 25

Troubleshooting - No Power 26

Troubleshooting - Staff Control & Pendant 26 - 27

Troubleshooting Motors/Control Box 28






Replacing the Staff Control Assembly 29

Maintenance & Inspection 30

Replacement/Service Part List 31 - 32

Service Part Diagrams 33 - 36

LABEL SYMBOL DEFINITIONS

				
Consult Accompanying Documents	Safe Working Load	Double Insulated	Protected Grounded Device	Type B Equipment & Applied Parts



IMPORTANT SAFETY AND WARNING INFORMATION



This product is a variable height, adjustable mattress platform, which will provide comfort and convenience for residents/patients and caregivers in long term care settings.



The MAXIMUM SAFE WORKING LOAD for the Zenith 5000 Bed with weight evenly distributed, including bedding, resident/patient, support surface, and all accessories, is 500 lbs.



NEVER operate the bed if a Power Cord or Plug is damaged or not working properly. Contact qualified Service Personnel for examination and repair. Always unplug the Power Cord when performing any maintenance on the bed.



DO NOT open assemblies such as the Actuators, Hand Control, or Control Box. If unauthorized personnel perform work on these components, the manufacturer's warranty becomes void.



DO NOT use unauthorized parts, accessories, or adaptors other than those specified/authorized by GF Health Products, Inc.



When operating the High/Low, Knee, or Back Functions of the bed, ALWAYS ensure that the confined individual is positioned properly within the confines of the bed. DO NOT let any extremities protrude over the side or between the bed rails when performing these functions.



DO NOT lower the bed when objects are beneath it. Failure to inspect under the bed can result in damage to property or personal injury.



The bed's Pendant Cord MUST BE ROUTED AND SECURED PROPERLY to ensure it does not become entangled and eventually severed during use. Also make sure all electrical cords DO NOT get tangled around the bed, side rails, or legs during transport or normal operation of the bed.



When using nasal- or masked-type administering equipment, all oxygen or air tubing MUST BE ROUTED AND SECURED PROPERLY to ensure that the tubing does not become entangled and eventually severed during the normal operation of the bed.



The bed should ALWAYS be left in its lowest position when unattended to reduce the risk of injury while getting in or out of the bed.



Keep all moving parts free of obstructions (i.e. blankets/sheets, heating blankets/pads, wiring, etc.)



DO NOT use the assist devices as push handles for moving the bed. Assist devices can be deformed or broken if excessive side pressure is exerted. Assist devices are not meant for patients considered as high risks for entrapment (i.e. patients with pre-existing conditions such as confusion, restlessness, lack of muscle control, altered mental status, either organic or medicinal, or a combination thereof). Additional safety measures should be considered for such high-risk patients.



NEVER permit more than one (1) person on/in the bed at any time.



Body weight should be evenly distributed over the sleeping surface of the bed. DO NOT allow the patient to lay, sit, or lean in such a way that their entire body weight is placed only on the raised head or foot sections of the bed. This especially applies when repositioning or transferring a patient in or out of the bed. Increased risk may occur when the patient's size and/or weight are inappropriate for the bed's dimensions or weight capacity.



The bed is intended for use, storage, and transport within a temperature range of -40°C to +60°C. It has a water-resistance rating of IPX4 and IS NOT to be power-washed or submersed.

Operating Conditions

Operation of the bed is based on the following conditions: Ambient Temperature of +10°C to +40°C; Relative Humidity of 30% to 75% (Non-condensing); Atmospheric Pressure of 700hPa to 1060hPa; and a Splash Protection of IEC 60529.

Storage

Storage of the bed is based on the following conditions: Ambient Temperature of -10°C to 70°C; Relative Humidity of 10% to 100%; and an Atmospheric Pressure of 500hPa to 1060hPa.

Radio Frequency Interference (RFI)

RFI influences most electronic equipment. Caution should be exercised with regard to the use of portable communications equipment in the area around such equipment. If RFI causes erratic behavior, shut the bed off immediately. Leave it off while the transmission is in progress.



TYPICAL APS 5000 BED IDENTIFICATION LABELS with Grounded Electrical Cable

	GF HEALTH PRODUCTS, INC.	MODEL NO 805-0000-000000
		MFG. DATE 12/23/11
DUTY CYCLE - 2 min Continuous/18 min MODE OF OPERATION - Intermittent		VOLT HZ AMP TYPE 110-120 50/60 4.5 AC
= 500 lbs SAFE WORKING LOAD		SERIAL NO 000000000000

Bed labels are an important part of identifying your bed's make and model when ordering replacement parts. The Serial Number is essential if you are claiming parts or service under warranty. These helpful labels can be located on the main frame rails, immediately below the sleep decks on either side of the bed.

	BASIC AMERICAN MEDICAL SERIAL NO.	
ZG58174	MFG DATE 12/23/11	000000000000
Zenith Full Electric Grid Bed	Patent Pending	

Please have this IMPORTANT information ready when calling our customer service or technical support staff at 800-365-2338; it will allow us to better assist you and quickly answer your questions and concerns.

TYPICAL SAFETY/WARNING BED LABELS

The following warning labels have been placed on your bed to help protect you and your bed from damage. Please do not remove any labels from your bed.

WARNING!

DO NOT LOWER BED WHEN OBJECTS ARE BENEATH BED. FAILURE TO INSPECT UNDER BED CAN RESULT IN DAMAGE TO PROPERTY OR PERSONAL INJURY.

ATTENTION:

S'assurer de ne pas faire descendre le lit lorsque des objets se trouvent sous le lit. Ne pas inspecter le dessous du lit pourrait entrainer des dommages materiels et des risques de blessures.

CAUTION

THIS BED IS SUITABLE FOR USE ONLY WITH OXYGEN ADMINISTERING EQUIPMENT OF THE NASAL OR MASK TYPE OR A TENT COVERING ONLY THE UPPER HALF (HEAD END) OF THE BED. OXYGEN TENT CANOPIES SHOULD NOT EXTEND BELOW BED SPRING LEVEL. LOCK HAND CONTROL AT FOOT OF BED WHEN USING OXYGEN ADMINISTERING EQUIPMENT.

ATTENTION:

CE LIT PEUT ETRE UTILISE UNIQUEMENT AVEC UN EQUIPMENT DESTINE A L'ADMINISTRATION D'OXYGENE DE TYPE NASAL OU MASQUE OU AVEC UNE TENTE RECOUVRANT SEULEMENT LA MOTTIE AVENT (TETE) DU LIT. LES COTES DE LAS TENTE OXYGENE NE DOIVENT PAS SE PROLONGER PLUS DAS QUE LA SOMMIER DU LIT.



WARNING!

DO NOT LOWER BED WHEN OBJECTS ARE BENEATH BED. FAILURE TO INSPECT UNDER BED CAN RESULT IN DAMAGE TO PROPERTY OR PERSONAL INJURY.



ENTRAPMENT & COMPLIANCE INFORMATION

On March 10, 2006, the FDA (U.S. Food and Drug Administration) released long-awaited guidelines for reducing the risk of bed entrapment: *“Hospital Bed System Dimensional and Assessment Guidance to Reduce Entrapment”*. The new Guidance identifies potential entrapment areas and those body parts most at risk for entrapment; provides design criteria for manufacturers of new hospital/convalescent beds; recommends particular test methods to assess the conformance of existing hospital/convalescent bed systems; and answers frequently-asked questions about entrapment issues.

The new Guidance was a result of a long-standing collaboration between the *FDA* and the *Hospital Bed Safety Workgroup (HBSW)*, formed in 1999. GF Health Products, Inc.’s Long-Term Care Bed division: *Basic American Medical Products*, is an HBSW charter member. As a result of our commitment to product safety, **all our current long-term care beds have been strictly tested and conform to the new FDA Guidance.**

The guidelines set forth by the FDA Guidance layout specific dimensional limitations on potentially injury-threatening gaps and spaces that can occur between bed system components, such as rails, when not properly installed. GF Health Products, Inc. and Basic American Medical Products have conformed to these guidelines from a manufacturing aspect. However, entrapment issues can often arise when a healthcare provider/facility has not correctly assembled the components on a bed. It is essential that the provider/facility fully understand their responsibility in complying to the guidelines set forth by the FDA in order to avoid injury. To that end, we have provided the FDA’s web address at right as a resource for understanding and following these guidelines for the safety of patients/residents.

It is also essential to have the correct bed components/accessories that correspond with the needs of your patient/resident and the particular bed you have purchased. Matching the correct bed component that correlates with the regulatory guidelines can be a daunting task. Our sales team at GF Health Products, Inc. and our friendly Customer Service Representatives at Basic American Medical Products can help you sift through the wide array of compliance and bed options. We will help you determine which bed/bed part is best for your patient’s/resident’s particular needs and help you with your compliance issues.

The Zenith 5000 bed and accessories listed in this manual are in full compliance with FDA guidelines for reducing the risk of bed entrapment: *“Hospital Bed System Dimensional and Assessment Guidance to Reduce Entrapment”*.

Details can found at www.fda.gov.



ZENITH 5000 MECHANICS

NOTE: All dimensions are in a range of +/- .25 inches

- Overall 76" Bed Length (w/brds & wallsaver) . . . 81.75"
- Overall 80" Bed Length (w/brds & wallsaver) . . . 85.75"
- Overall Bed Width (with boards) 36.00"
- High Height* 30.00"
- Low Height* 8.00"
- Maximum Head/Back Deck Angle 70°
- Maximum Knee/Foot Deck Angle 30°
- Maximum Safe Working Load 500 lbs.
WITH WEIGHT EVENLY DISTRIBUTED
- includes bedding, resident, support surface,
and all accessories.
- Mass of bed (without assist devices or boards) = 204 lbs.

** Bed height calculated from floor surface to top of sleep deck.*

ZENITH 5000 ELECTRICAL

- Power/Frequency 120 Volt 50/60 Hz
- Max. Amperage Draw at 120V 4.50 Amps
- Output Rating 12/33V
- Control Circuitry Output 5W
- Water Resistance Rating IPX4
- Classification Class I, Type B
- Electrical Cord #18 AWG 3 Conductor
Type SJT
- Mode of Operations 10% Max. Duty Cycle
2 minutes on/18 minutes off
- Internal Battery Backup Replacement . . . 9V Battery
(Note: Ilcon External Battery Pack and Charger can be
purchased separately as an accessory - see page 20.



UNPACKING YOUR BED

- Make sure all parts/components are included.
- Check all bed components for obvious damage.
- Inspect the Power Supply Cord for any cuts and/or damage.
- Check to see all actuator/motor cables are routed and connected properly to the control box.

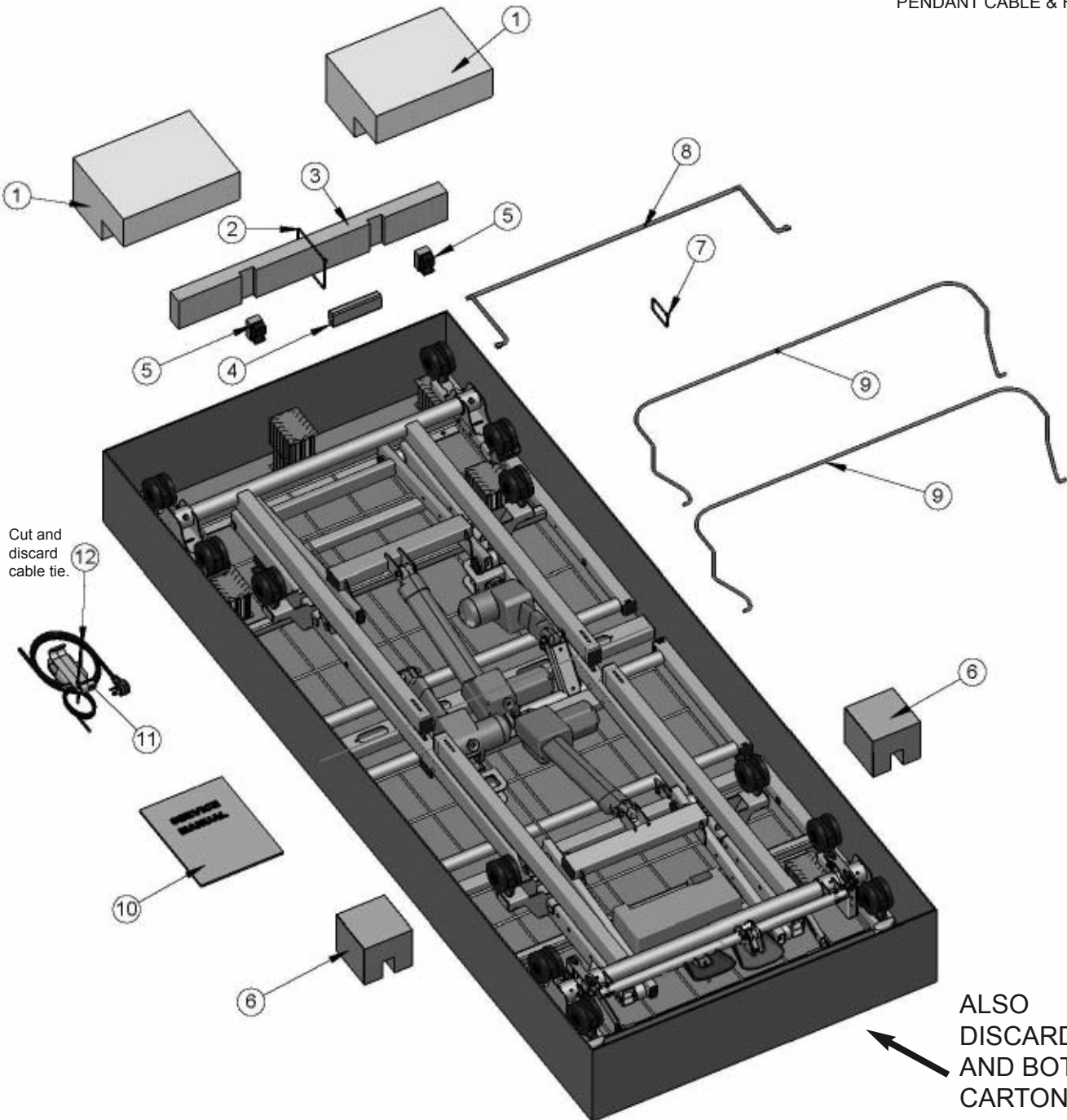
DISCARD

1. Large Foam Blocks
2. Large Cable Tie - CUT
3. Notched 2 x 4 Board
4. Foam Wrapping
5. End Caps with Foam
6. Notched Leg Foam
7. Small Cable Tie - CUT
12. Cable Tie on Bundle

KEEP

8. Wireform Wallsaver
9. Two Mattress Retainers
10. Service Manual/Documents
11. Power Cord, Pendant, and Pendant Holster bundle

NOTE: END OF POWER CABLE IS COILED FOR SHIPPING AND TIED, WITH CABLE TIE, TO GRID WIRE ALONG WITH PENDANT, PENDANT CABLE & HOLSTER.



Cut and discard cable tie.

ALSO DISCARD TOP AND BOTTOM CARTONS



HEAD- AND FOOTBOARD ASSEMBLY

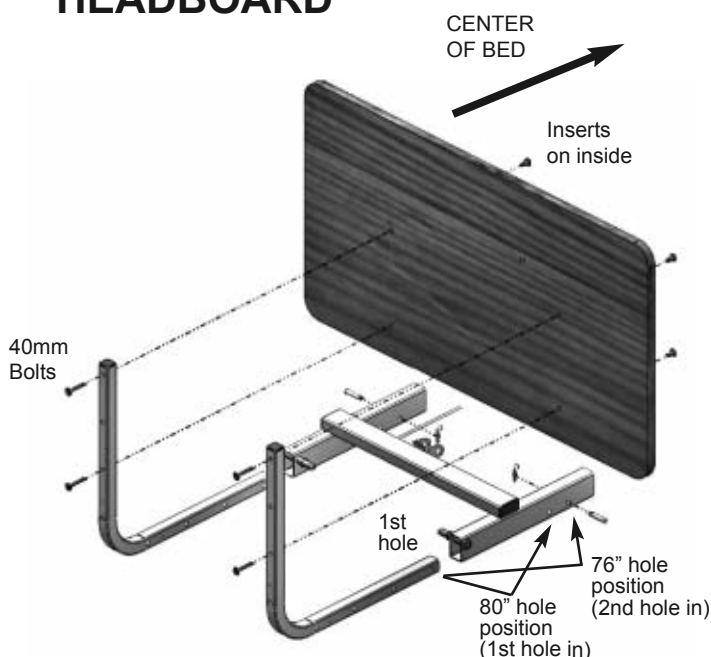
1. HEADBOARD INSTALLATION

- The headboard comes with four pre-installed inserts - consider this the inside of the board.
- Position 2 mounting tubes on the outside of the headboard with "L" facing inward.
- Align the top hole of the mounting tubes with the top holes in the headboard.
- Insert a 40mm hex drive bolt through each of the top holes and bottom holes and screw into each insert. Tighten with the Hex Allen wrench included in your kit.
- Slide the "L" portions of the Mounting tubes into the hollow ends of the main frame rails, at the head deck end.
- **FOR 80" BEDS:** Slide the mounting tubes in until the 1ST hole in the tubes lines up with the 1ST hole in the rails. See sample below.
- **FOR 76" BEDS:** Slide the mounting tubes in until the 1ST hole in the tubes lines up with the 2ND hole in the rails. See sample below.

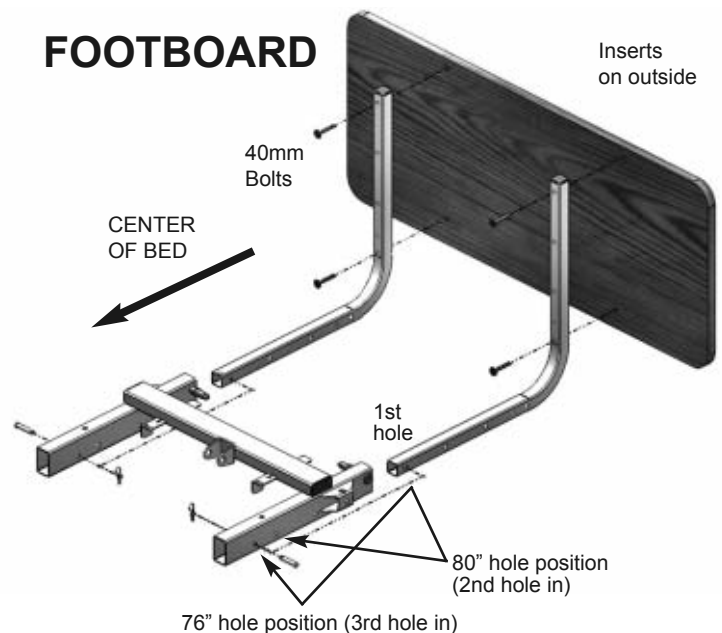
2. FOOTBOARD INSTALLATION

- The footboard comes with four pre-installed inserts - consider this the outside of the board.
- Position 2 mounting tubes on the inside of the footboard with "L" facing outward.
- Align the top hole of the mounting tubes with the top holes in the footboard.
- Insert a 40mm hex drive bolt through each of the top holes and bottom holes and screw into each insert. Tighten with the Hex Allen wrench included in your kit.
- Slide the "L" portions of the Mounting tubes into the hollow ends of the main frame rails, at the foot deck end.
- **FOR 80" BEDS:** Slide the mounting tubes in until the 1ST hole in the tubes lines up with the 2ND hole in the rails. See sample below.
- **FOR 76" BEDS:** Slide the mounting tubes in until the 1ST hole in the tubes lines up with the 3RD hole in the rails. See sample below.

HEADBOARD



FOOTBOARD



NOTE: The first hole at the foot end is reserved for attaching the Optional 4" pan extension.



PLUGGING IN THE OPTIONAL FOOTBOARD NURSE/STAFF CONTROL

STEP 1 - ATTACHING THE FOOTBOARD:

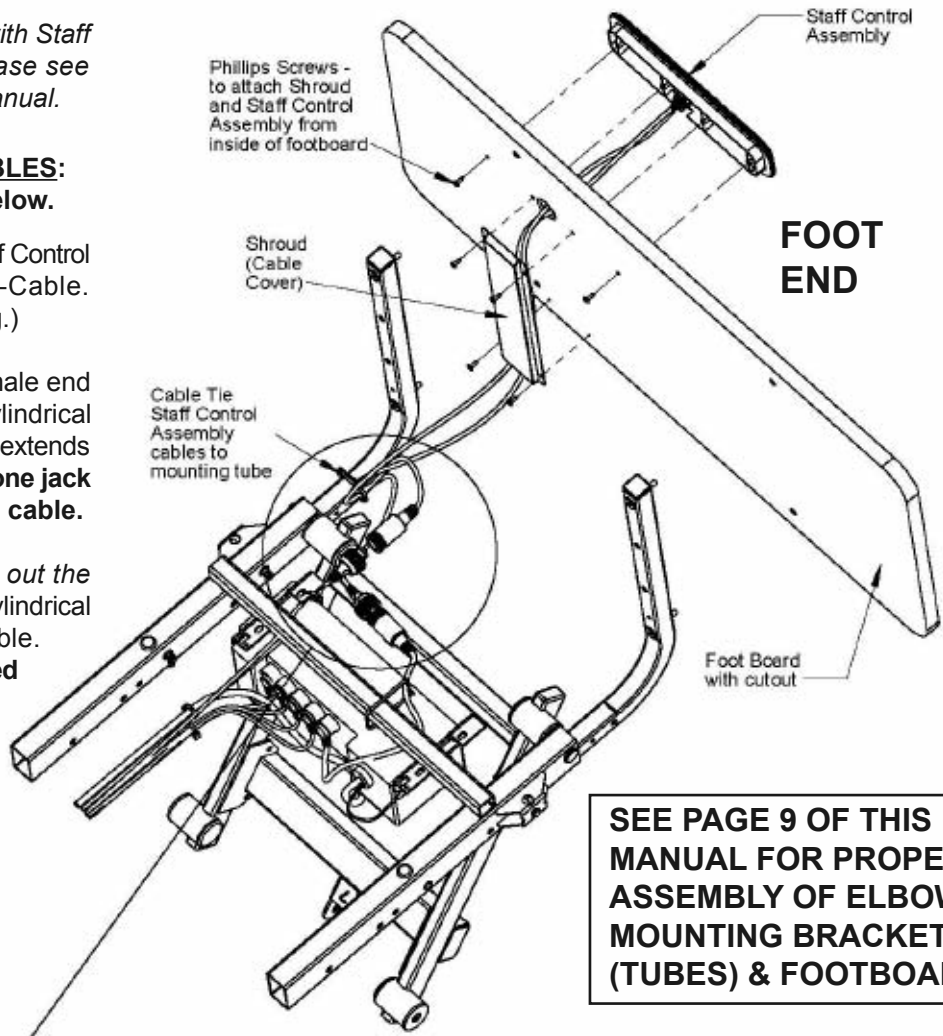
You can order an optional Staff Control for the Zenith 5000 which includes a Staff Control Assembly and Shroud Cover pre-installed to the Footboard at the manufacturing factory.

To attach the Footboard assembly (with Staff Control) to the main frame rails, please see the instructions on PAGE 9 of this manual.

STEP 2 - CONNECTING YOUR CABLES:

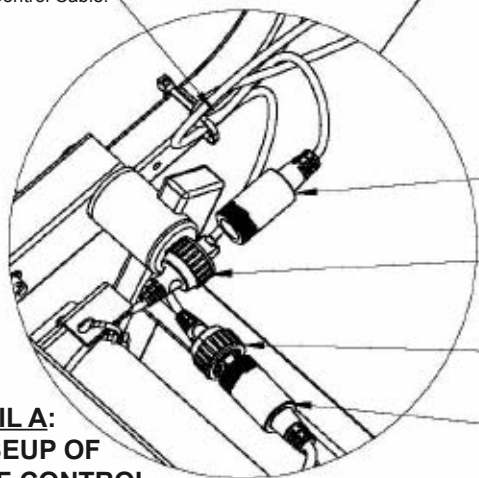
Please refer to DETAIL A shown below.

- a. At the foot end, unplug the Black Staff Control cable from the end of the Grey T-Cable. (Cables were attached for shipping.)
- b. Insert the phone jack plug on the male end of the staff control cable into the cylindrical plug of the Black Control Cable that extends out the foot end. **Make sure the phone jack is positioned properly inside the cable.**
- c. Insert the T-Cable end (extending out the foot end with phone jack) into the cylindrical plug of the female staff control cable. **Make sure the phone plug is seated properly inside the female plug.**
- d. Screw on the round lock cap onto the Staff Control female plug and short Black Control Cable plug. (SEE DETAIL B.)



SEE PAGE 9 OF THIS MANUAL FOR PROPER ASSEMBLY OF ELBOW MOUNTING BRACKETS (TUBES) & FOOTBOARD

Loop Male Staff Control Cable and cable tie through mounting tube hole with Female Staff Control Cable.



**DETAIL A:
CLOSEUP OF
STAFF CONTROL
CABLE CONNECTION**

**DETAIL B:
MAKE SURE LOCK
CAPS ARE SCREWED ON
SECURELY.**



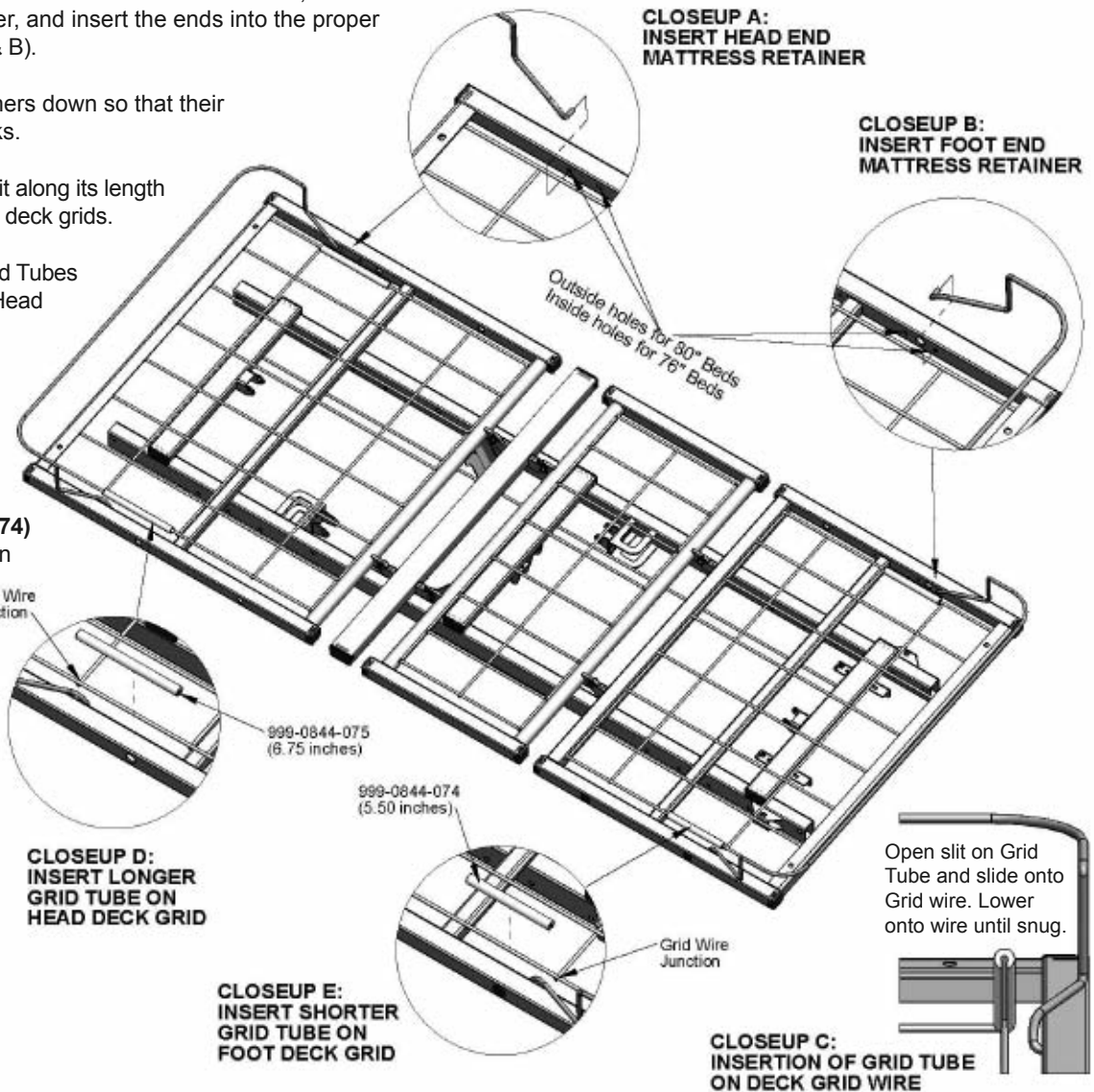


STANDARD MATTRESS RETAINER & GRID TUBE INSTALLATION (Using 2 Retainers (999-0844-004) & Grid Tube Kit (999-0844-994))

It is recommended that the full-width Mattress Retainers on both the head end and foot end of the bed be installed prior to the installation of the Grid Tubes. The Grid Tubes help keep the Mattress Retainers from inadvertently slipping out when doing maintenance or housekeeping on your bed.

1. Determine if your bed needs to be in an 80" or 76" configuration (80" outside holes; 76" inside holes - see Closeups A & B).
2. Carefully squeeze the Mattress Retainer ends inward, toward the center of the retainer, and insert the ends into the proper holes (see Closeups A & B).
3. Lay the Mattress Retainers down so that their elbows rest on the decks.
4. Each Grid Tube has a slit along its length for easy insertion on the deck grids.
5. Place the two longer Grid Tubes (999-0844-075) on the Head Deck Grid as shown in Closeup C, aligning the tube on the outer most grid junction on the head end of the deck.
6. Place the two shorter Grid Tubes (999-0844-074) on the end of foot deck in the same manner (see Closeups D & E below).

MAKE SURE ALL THREE ADJUSTABLE PARTS ARE PROPERLY POSITIONED FOR 76" OR 80" CONFIGURATIONS (SEE PAGES 9 AND 12)



NOTE:
INSTALLATION OF MATTRESS RETAINERS IS EASIER IF YOU INSERT THE 2 RETAINERS FIRST, THEN INSERT THE 4 GRID TUBES.



Be sure to use a mattress that is properly sized to fit the sleep deck, which will remain centered on the deck relative to State and Federal Guidelines. Use of an improperly fitted mattress could result in injury or death.



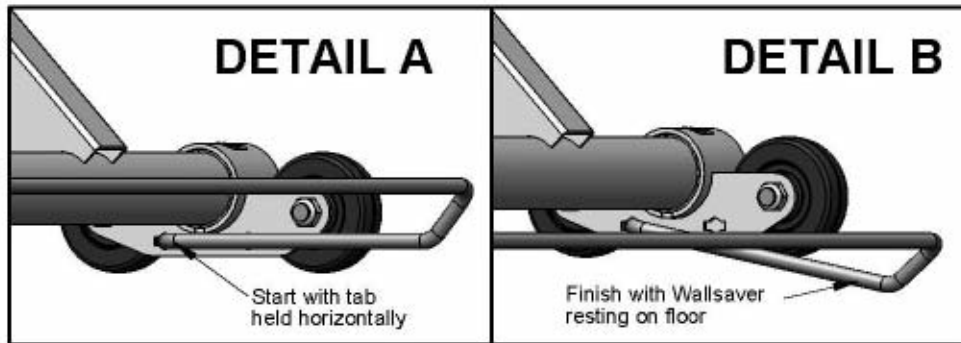
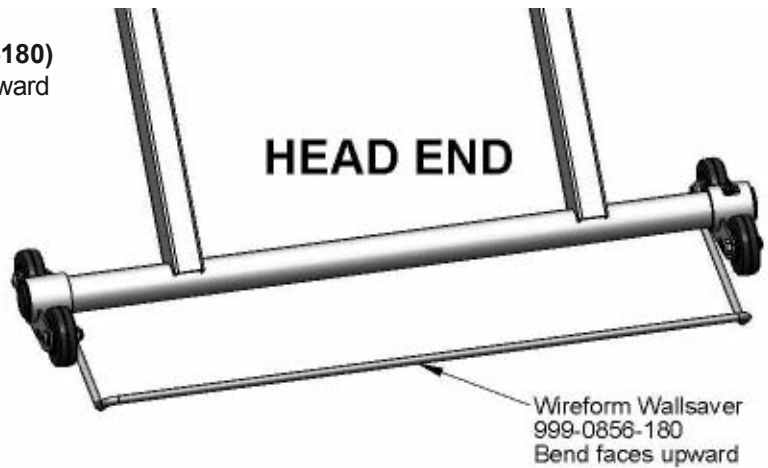
Use a properly sized mattress in order to minimize the gap between the side of the mattress and assist devices. This gap must be small enough to prevent resident/patient from getting his/her head or neck caught in this location.



STANDARD WIREFORM WALLSAVER INSTALLATION

STEP 1. WALLSAVER ASSEMBLY

1. Position the Wireform Wallsaver (**Part 999-0856-180**) with bent end facing upward and tab ends facing inward as shown at right.
2. Determine the position desired.
(See bottom of page.)
3. Gently squeeze the tab ends of the wallsaver inward toward the center of the wallsaver and, holding the tabs parallel with the slots in the caster bases (See **DETAIL A**), slide the tabs into the slots while letting the wallsaver gently expand outward.
4. Turn the wallsaver downward until it rests on the floor (See **Detail B**).

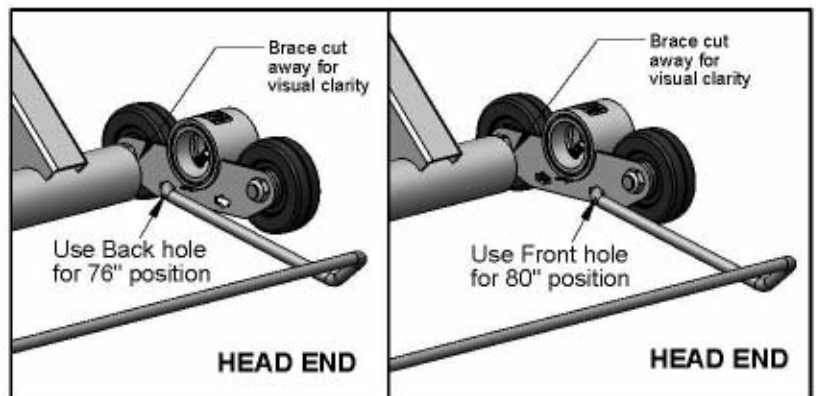


STEP 2. WALLSAVER REMOVAL

1. To remove or move the Wireform Wallsaver to a new position, raise the wallsaver off the floor until the end tabs are horizontal.
2. Squeeze the ends toward the center of the wallsaver until the end tabs slide out of the caster base slots.

STEP 3. WALLSAVER POSITIONS

1. The Zenith 5000 wallsaver features two standard positions for easy bed/mattress length reconfigurations - 76" and 80".
2. For 76" beds, position the wallsaver ends in the **BACK** holes in the caster base slots (toward the Foot end). For 76" beds using an optional Trapeze unit, you should position the wallsaver ends in the **FRONT** holes in the caster bases (toward the Head end).
3. For 80" beds, position the wallsaver ends in the **FRONT** slots in the caster bases (toward the Head end of the bed).
4. If you plan on using an optional Trapeze unit for an 80" bed length configuration, you will need to order a separate "custom wallsaver" in order to have the correct depth to protect your walls.



IMPORTANT NOTE: WHEN POSITIONING YOUR WALLSAVER FOR A PARTICULAR BED LENGTH (I.E. 76" OR 80"), MAKE SURE THAT THE OTHER BED ADJUSTMENTS (BOARD POSITION AND MATTRESS RETAINER POSITION) ARE IN THE SAME CONFIGURATION (PLEASE REFER TO PAGES 9 AND 11 IN THIS MANUAL).



BED OPERATIONS - PATIENT PENDANT/HAND CONTROLLER

The hand controller comes standard on the Zenith 5000 series and can be plugged into either side of the bed. The plug features a lock-on cap. A pendant holster for attaching to optional assist devices is also provided.



OPERATION:

- 1. Angle the Head Deck upward, PRESS 1
- 2. Angle the Head Deck downward, PRESS 2
- 3. Raise the Bed Up horizontally, PRESS 3
- 4. Lower the Bed Down horizontally, PRESS 4
- 5. Angle the Knee/Foot Decks upward, PRESS 5
- 6. Angle the Knee/Foot Decks downward, PRESS 6

Model #HB00-U029
Part # 999-0775-305
(Bed comes shipped with Alligator Clip attached to pendant cable. To order a replacement pendant, see Page 29.)

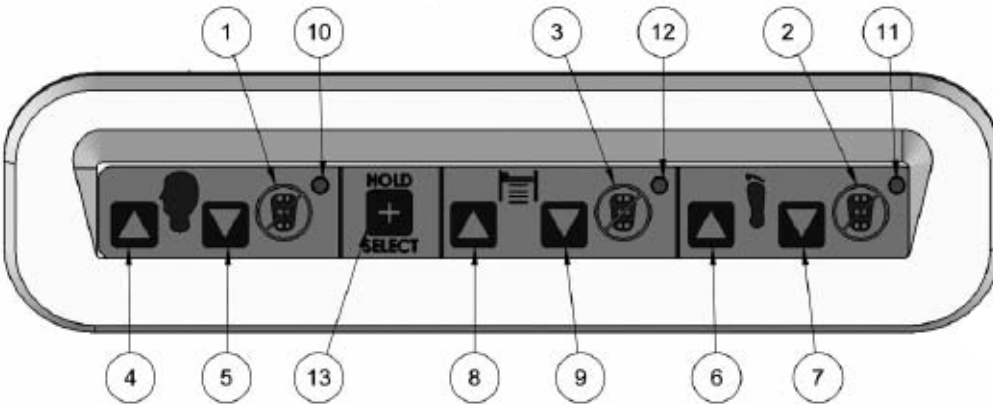


Phone Jack Plug End with Locking Cap



Pendant Holster
999-0791-000
(included)

BED OPERATIONS FOR NURSE/STAFF CONTROL PANEL (OPTIONAL FEATURE ON 5000 SERIES)



STAFF CONTROL OPERATION	
Push 13 & 4	Raise Head/Back Deck
Push 13 & 5	Lower Head/Back Deck
Push 13 & 6	Raise Knee/Foot Decks
Push 13 & 7	Lower Knee/Foot Decks
Push 13 & 8	Raise Entire Bed (Hi/Lo)
Push 13 & 9	Lower Entire Bed (Hi/Lo)
TO LOCK OUT HAND CONTROL	
Push 13 & 1	Lock Out Head Function
Push 13 & 2	Lock Out Foot Function
Push 13 & 3	Lock Out Hi/Lo Function
TO UNLOCK HAND CONTROL	
Push 13 & 1	Unlock Head Function
Push 13 & 2	Unlock Foot Function
Push 13 & 3	Unlock Hi/Lo Function

When you purchase your boards directly from our company, you have the option of ordering a Nurse/Staff Control Assembly which comes pre-installed into the footboard at the factory.

STAFF CONTROL REFERENCE	
10	Head LED Light
11	Foot LED Light
12	Hi/Lo LED Light
13	Hold & Select Button

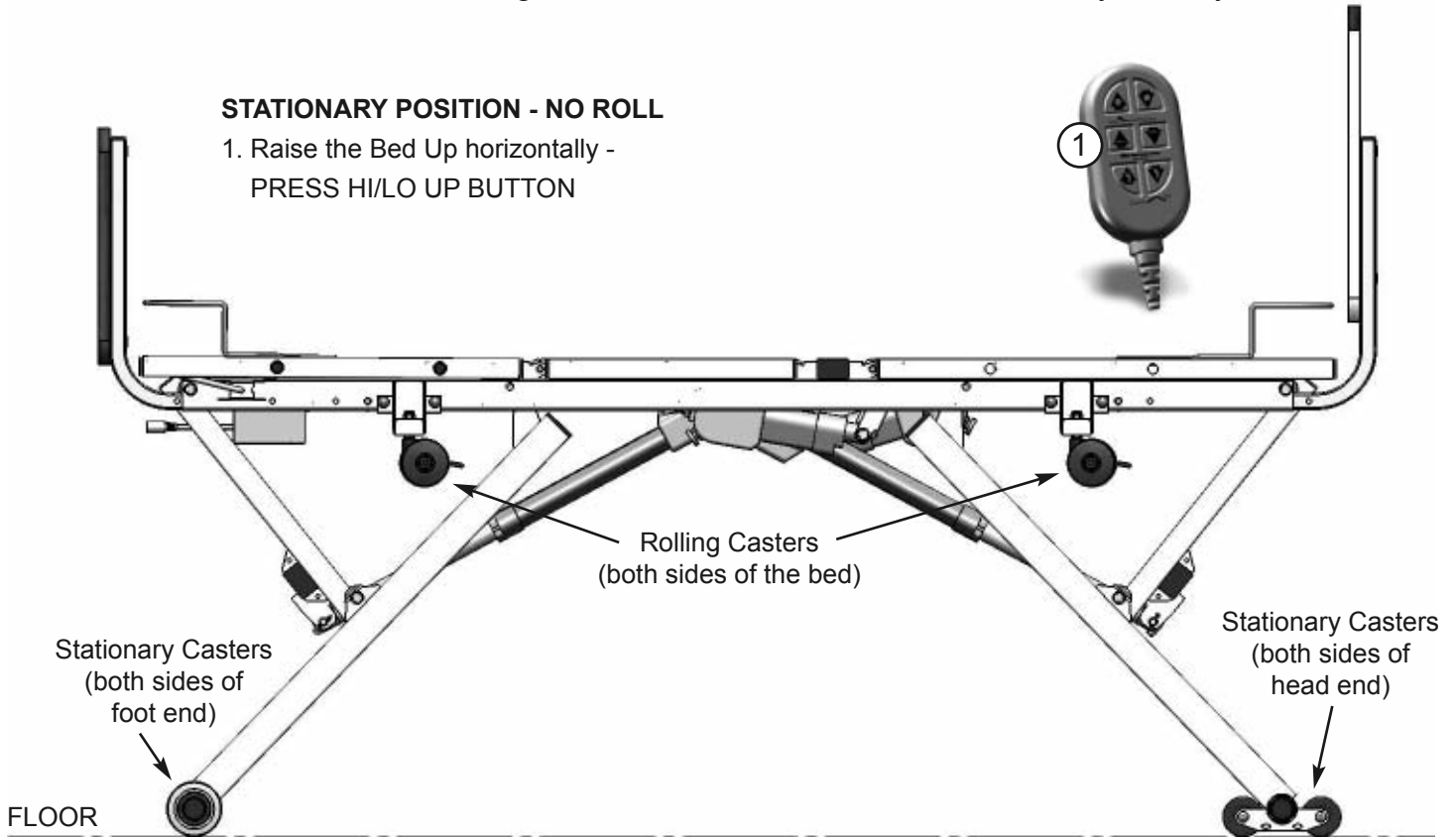


BED OPERATIONS - STATIONARY/LOW ROLL POSITIONING

The Zenith 5000 is sold as a “Low Roll” bed, giving the user the option of placing it in a stationary (non-moving) position or lowering it into a “low roll” position. This is accomplished by lowering the bed until the stationary wheels raise off the floor and the rolling casters contact the floor surface for easy mobility.

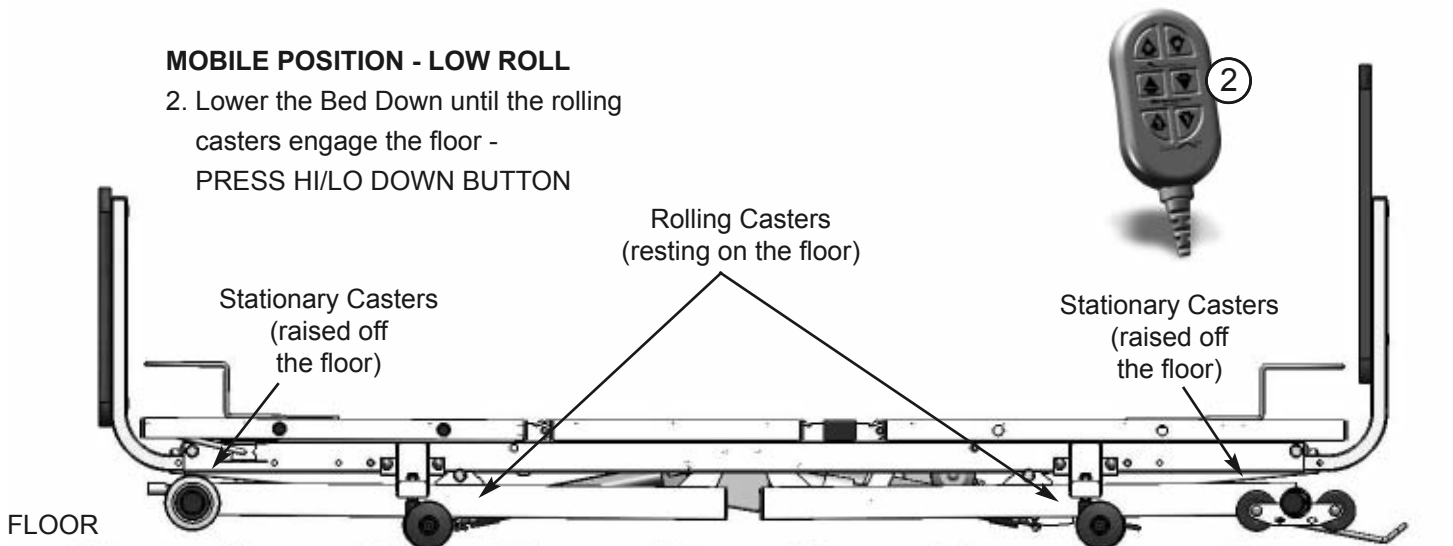
STATIONARY POSITION - NO ROLL

1. Raise the Bed Up horizontally -
PRESS HI/LO UP BUTTON



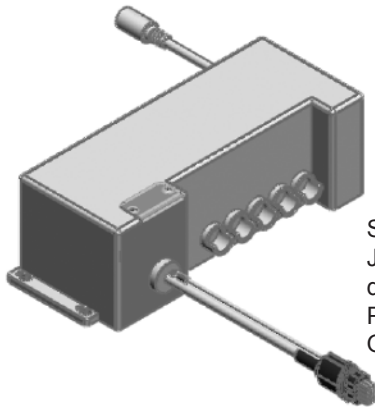
MOBILE POSITION - LOW ROLL

2. Lower the Bed Down until the rolling casters engage the floor -
PRESS HI/LO DOWN BUTTON





5000 SERIES ELECTRICAL COMPONENTS

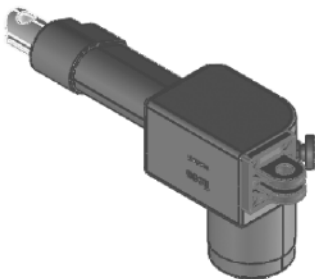


Synchronized Control/
Junction Box with
detachable power cable
Part # 999-0843-300
Quantity = 1



Pendant/Hand Controller
Part #999-0775-305
Quantity = 1

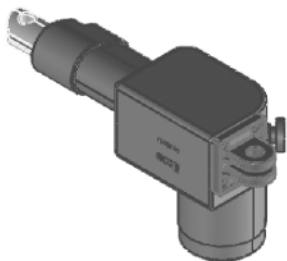
Includes Pendant Holster
999-0791-000



Head Motor/Actuator
Part # 999-0844-052
Quantity = 1



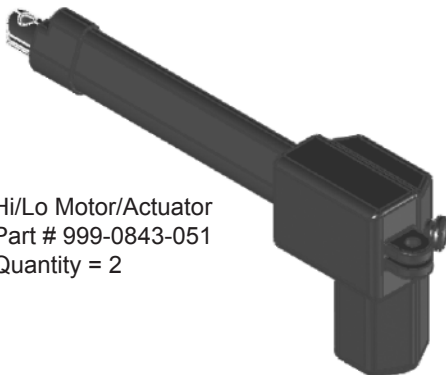
Control Cord
999-0843-200
Quantity = 1



Foot Motor/Actuator
Part # 999-0844-053
Quantity = 1



Option A
3 PRONG Power Cable
999-0844-208
Quantity = 1



Hi/Lo Motor/Actuator
Part # 999-0843-051
Quantity = 2



Option B
2 PRONG Power Cable
999-0844-209
Quantity = 1

NOTE:
Pendant Cable plugs directly
into Control Box Port

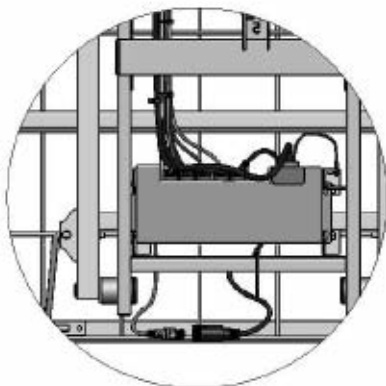
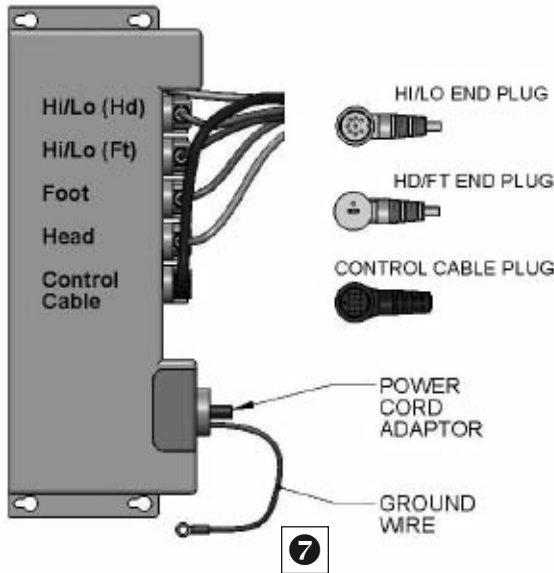


DO NOT use unauthorized parts, accessories, or adapters other than those specified/authorized by Graham-Field Health Products. DO NOT open assemblies such as the Actuators, Hand Control, or Control Box. If unauthorized personnel perform work on these components, the manufacturer's warranty becomes void. NEVER operate the bed if a Power Cord or Plug is damaged or not working properly. Contact qualified Service Personnel for examination and repair. Always unplug the Power Cord when performing any maintenance on the bed.

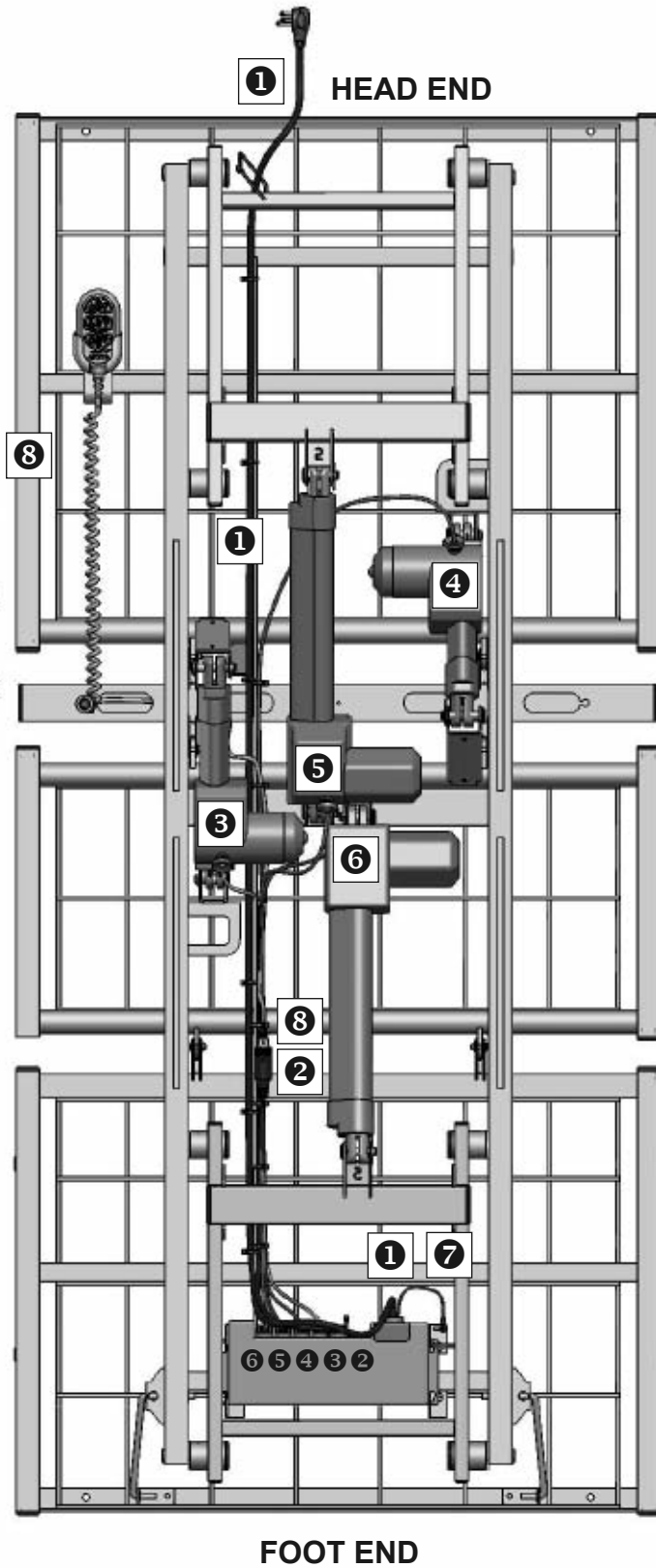


ZENITH 5000 SERIES ELECTRICAL CABLING

- ❶ POWER CABLE
- ❷ CONTROL CABLE
- ❸ HEAD CABLE
- ❹ FOOT CABLE
- ❺ HI/LO CABLE (FOOT)
- ❻ HI/LO CABLE (HEAD)
- ❼ GROUND WIRE
- ❽ PENDANT W/COIL CABLE



**CABLE CONFIGURATION FOR
OPTIONAL STAFF CONTROL
(Needs addition of T-Cable
and Control Cable re-routed)**



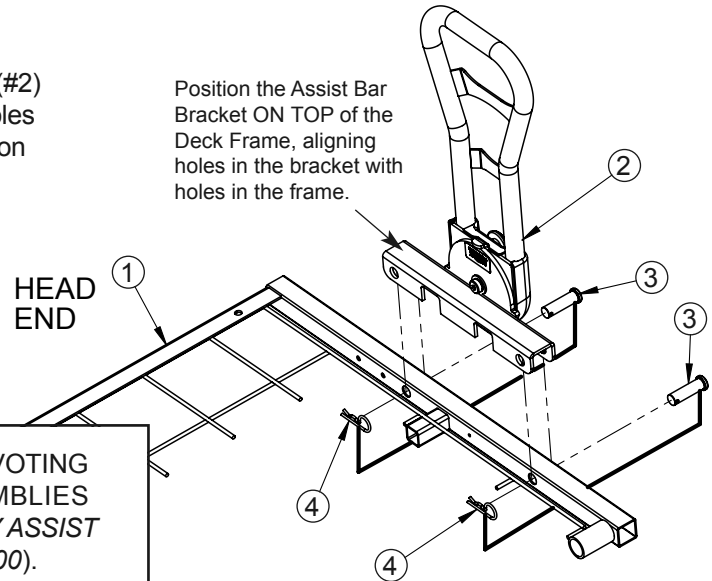


OPTIONAL PIVOT ASSIST BAR INSTALLATION & OPERATION

INSTALLATION

1. At the head end of the bed, position the Pivoting Assist Bar (#2) bracket over the Head Deck (#1) frame and align the two holes in the Assist Bar bracket with the two holes in the frame rail on either side of the head deck.
2. From the outside, insert the Clevis Pins (#3) through the holes in the pivot bracket and deck frame.
3. From the inside, insert a Hair Pin Clip (#4) through each of the small holes in the clevis pins.

Position the Assist Bar Bracket ON TOP of the Deck Frame, aligning holes in the bracket with holes in the frame.

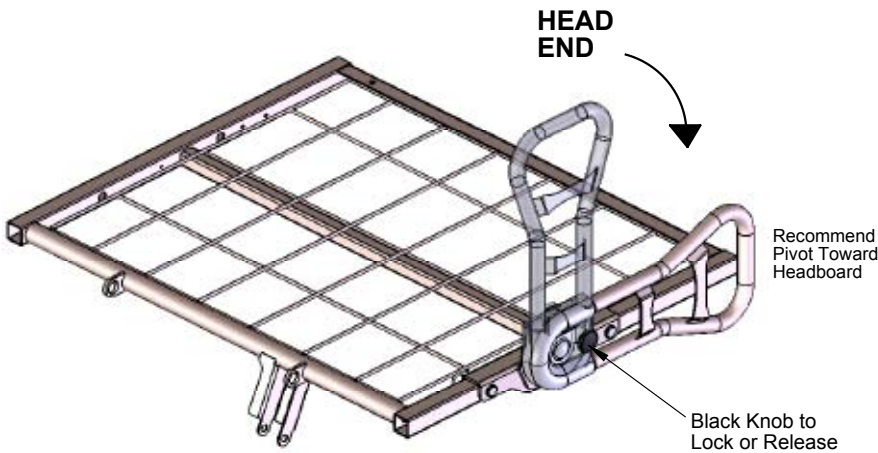


SAMPLE SHOWS PIVOTING ASSIST BAR POSITIONED ON THE LEFT SIDE OF THE BED.

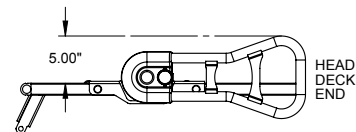
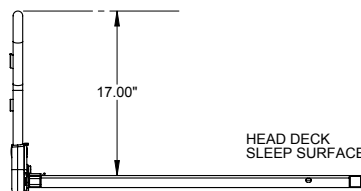
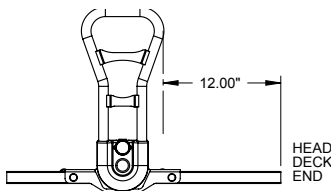
PLEASE ORDER KIT #ZA85400. KIT INCLUDES ONE PIVOTING ASSIST BAR ASSEMBLY AND TWO LANYARD ASSEMBLIES WITH CLEVIS PINS AND HAIR PIN CLIPS. (A STATIONARY ASSIST BAR IS ALSO AVAILABLE AS AN OPTION - KIT # ZA85000).

THE ASSIST BAR CAN BE POSITIONED ON EITHER THE RIGHT SIDE OR LEFT SIDE OF THE HEAD DECK. IT IS NOT OFFERED FOR THE FOOT END OF THE BED.

PIVOTING ASSIST BAR OPERATION



1. To release the pivoting assist bar from its vertical lock position, hold onto the top of the bar with one hand and slightly pull out the black knob on the outside of the pivot assembly with the other hand to release the locking mechanism. For ease of patient access, it is recommended that you pivot the rail toward the headboard until it stops and rests in place.
2. To set the assist bar back to its upright locked position, grab the top of the assist bar with one hand and pivot the assembly upward until the black knob mechanism snaps into place, locking the assist bar vertically.



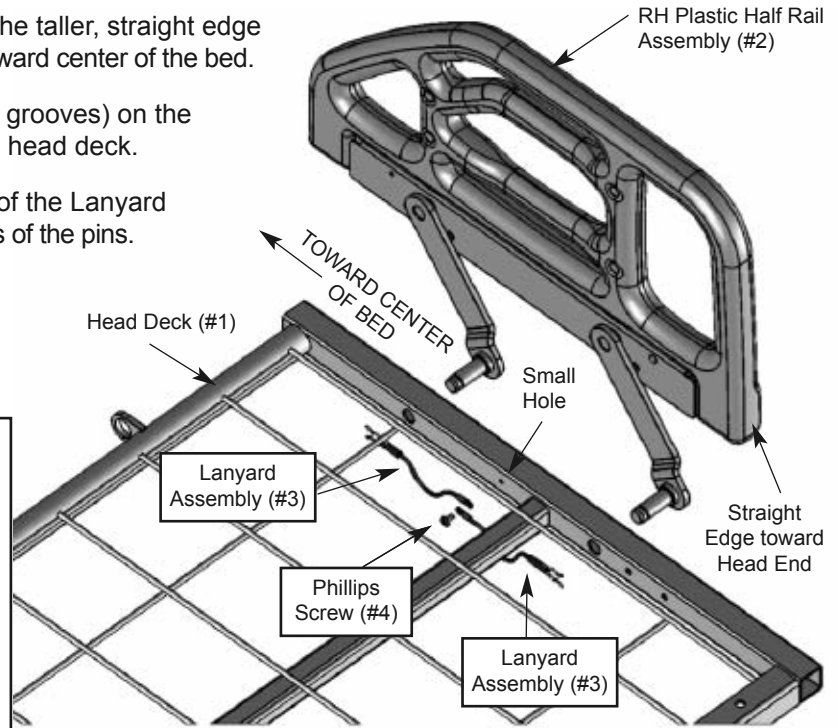
! FOR YOUR SAFETY, MAKE SURE YOUR FINGERS ARE CLEAR OF THE SIDES OR UNDERNEATH THE PIVOTING ASSEMBLY WHEN PIVOTING THE ASSIST BAR UP OR DOWN.

! PLEASE MAKE SURE THE PIVOT ASSIST BAR IS ALWAYS IN THE FULL, VERTICAL, LOCKED POSITION WHEN RESIDENT/PATIENT IS LEFT UNATTENDED.



OPTIONAL PLASTIC HALF RAIL INSTALLATION & OPERATION (Sample shows rail positioned on right side of bed)

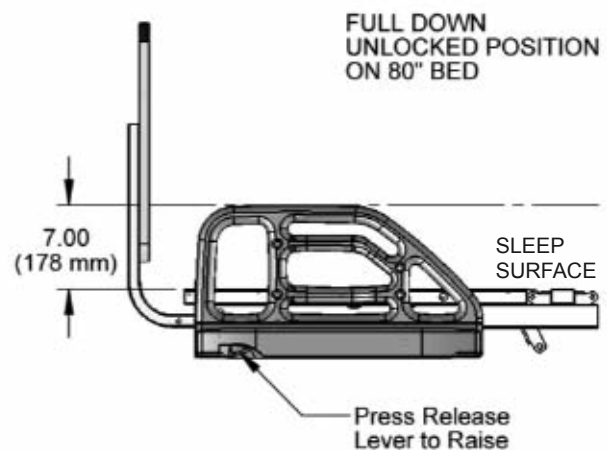
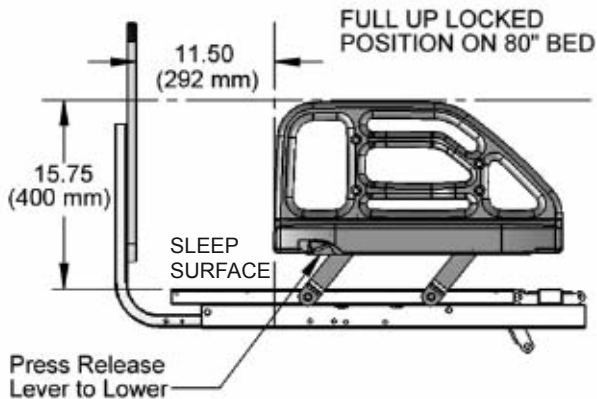
1. Position the Plastic Half Rail (#2) as shown, with the taller, straight edge toward the head end of the bed and arms angled toward center of the bed.
2. From the outside, insert the two welded pins (with grooves) on the rail arms into the two large holes in the side of the head deck.
3. From the inside, insert the metal hair pin clip end of the Lanyard Assembly (#3) onto the exposed grooves at the ends of the pins.
4. Position the other terminal ends of the Lanyard Assemblies (#3) over the small hole on the inside of the deck frame. Secure with a small threaded Phillips Screw (#4).



PLEASE ORDER PLASTIC RAIL KIT #ZA84200, WHICH INCLUDES A RIGHT-HAND AND LEFT-HAND HALF RAIL, FOUR LANYARD ASSEMBLIES, AND 2 PHILLIPS SCREWS (OR 2 OPTIONAL HEX HEAD SCREWS). ORDER BAG # 999-0842-905 FOR JUST THE REPLACEMENT HARDWARE.

THE PLASTIC RAIL CAN BE POSITIONED ON EITHER THE HEAD OR FOOT DECKS FOR 80" BEDS. **THEY SHOULD ONLY BE PUT ON THE HEAD END FOR 76" BEDS.**

PLASTIC HALF RAIL OPERATION



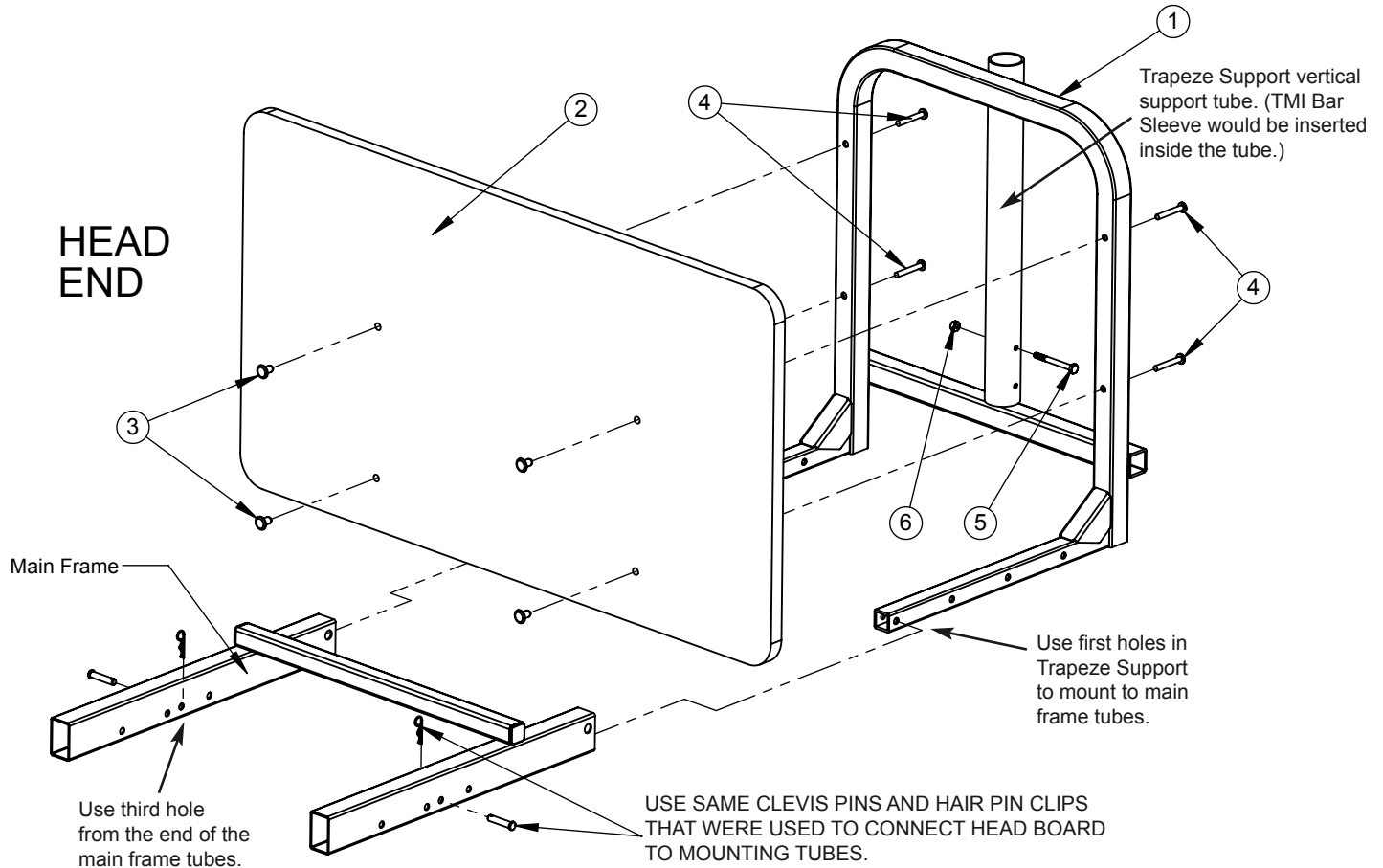
! FOR YOUR SAFETY, MAKE SURE RAIL IS ALWAYS IN ITS "FULL UP LOCKED" POSITION WHEN LEAVING THE RESIDENT/PATIENT UNATTENDED TO AVOID POSSIBLE INJURY.

! TO AVOID PINCHING OF THE FINGERS, HOLD THE HALF RAIL FROM THE TOP WITH ONE HAND AND CAREFULLY DEPRESS THE BLACK RELEASE LEVER WITH THE OTHER. MAKE SURE THERE ARE NO OBJECTS IN THE WAY THAT MAY HINDER THE FULL MOVEMENT OF THE RAIL.



OPTIONAL TRAPEZE SUPPORT INSTALLATION

(The Trapeze Support is attached to the head section of the bed.)
Please Order Kit Number ZA79000



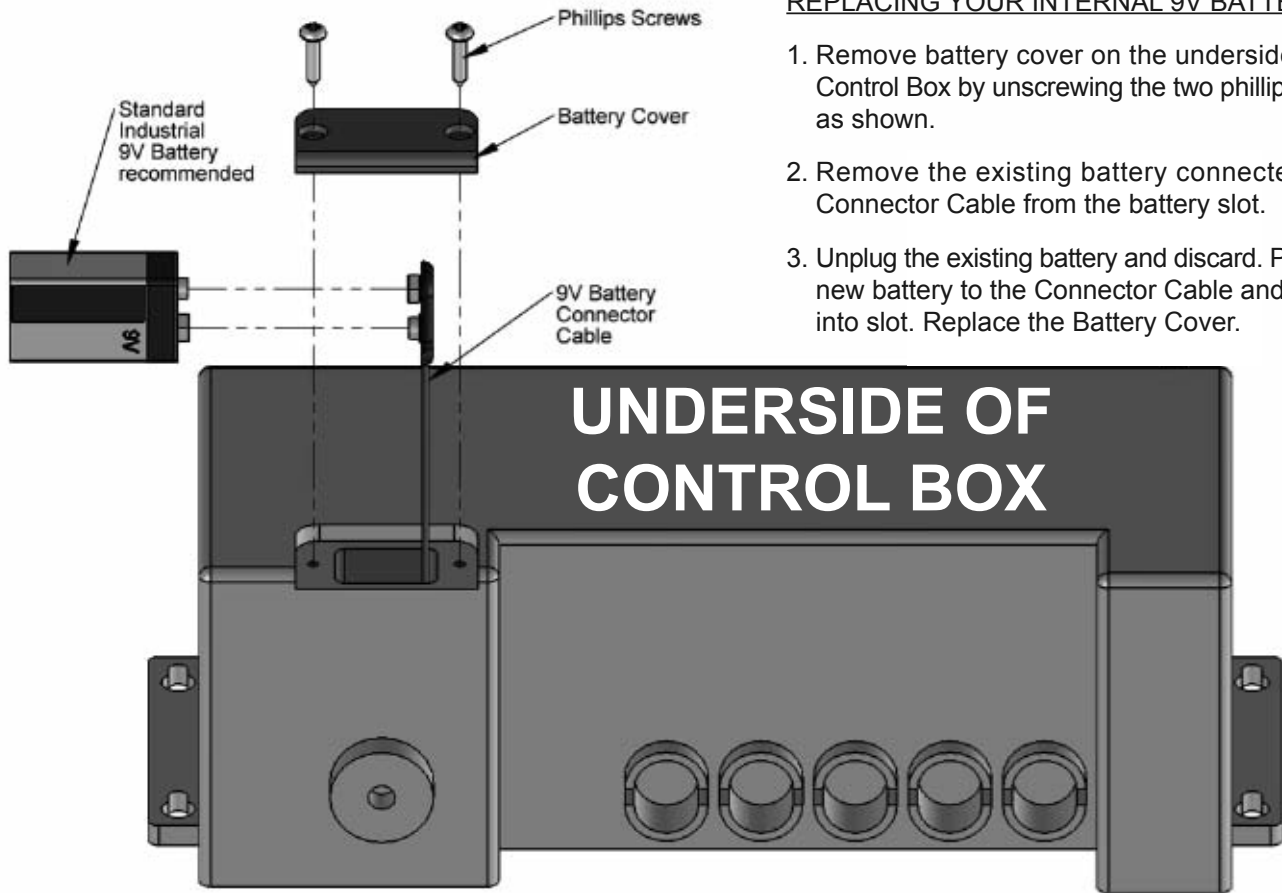
1. Begin by removing the headboard panel assembly (#2), if previously assembled to the bed, by pulling out the two Clevis Pins and two Hair Pin Clips that attach the main frame tubes to the headboard's mounting tubes. Set all pins aside for later use.
2. Detach the headboard panel from the mounting tubes by unscrewing the four 40mm Allen Head Bolts that hold the board to the tubes (these will be replaced with the longer Phillips Head Pan Screws from your trapeze adaptor hardware bag). Do not remove the four 1/4-20 inserts (#3) from the board. They will be used again to mount the board to the trapeze support.
3. Assemble the Trapeze Support (#1) to the main frame tubes using the two Clevis Pins and Hair Pin Clips you removed in Step 1. The first holes in the Trapeze tubes must line up with the third hole from the end in the main frame tubes as shown.
4. Insert the 1/4-20 x 2.50" Carriage Bolt (#5) into the vertical support as shown and fasten with a 1/4-20 Hex Head Lock Nut (#6). Both parts should be in your hardware bag.
5. Assemble the headboard to the inside of the Trapeze Support so that the side of the headboard with the inserts is facing away from the Trapeze Support. From the outside, insert the four 1/4-20 x 1.75" long Machine Screws (#4) from your hardware bag through the holes in the Trapeze Support, screwing them into the inserts in the headboard.
6. **OPTIONAL - FOR TMI TRAPEZE BAR WITH SLEEVE:** Insert the Sleeve into the vertical support with the slot on the bottom. Rotate the sleeve until it falls into place over the carriage bolt you inserted in Step 4. This will lock it into the proper position. **(NOTE: The top of the Sleeve should sit flush with the top of the vertical support on the Trapeze Support Adaptor.)**



REPLACEMENT OF 9V BATTERY & OPTIONAL BATTERY BACKUP CHARGER & BATTERY PACK

REPLACING YOUR INTERNAL 9V BATTERY

1. Remove battery cover on the underside of your Control Box by unscrewing the two phillips screws as shown.
2. Remove the existing battery connected to the Connector Cable from the battery slot.
3. Unplug the existing battery and discard. Plug in the new battery to the Connector Cable and re-insert into slot. Replace the Battery Cover.

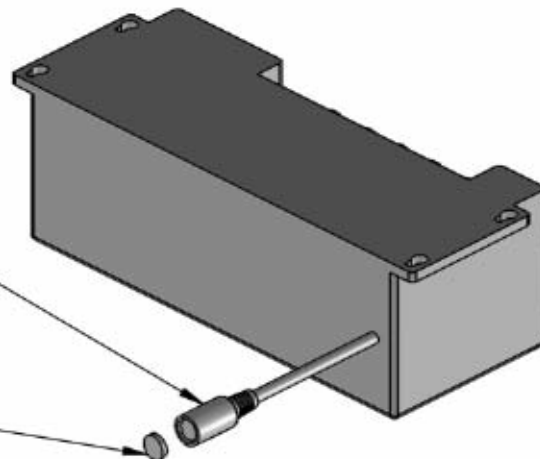


NOTE: THE 9V BATTERY INCLUDED WITH YOUR CONTROL BOX IS ONLY GOOD FOR ONE CHARGE - LOWERING THE BED ONCE IN THE EVENT OF A POWER OUTAGE. YOU WILL NEED TO REPLACE AFTER EACH SINGLE USAGE. A STRONGER BATTERY PACK IS AVAILABLE AS A SEPARATE PURCHASE. PLEASE ORDER WITH BACKUP CHARGER.

Battery Charger Adapter Cable

Plugs directly into "optional" ILCOCHARGE Backup Battery and Battery Pak purchased separately.

To plug in battery charger, first remove the protective cap with small screwdriver.





TROUBLESHOOTING - NOTHING WORKS - NO POWER

1. NOTHING WORKS - NO POWER

- a. Check to make sure you have power coming from your outlet. Unplug the power cord from the outlet and test the outlet by plugging in a lamp or similar portable device.

OUTLET WORKS = move to step b.

- b. Replug the power cord into the outlet and test the bed.

NOTHING WORKS = UNPLUG THE POWER CORD and check the power cord from the head end to the foot end, making sure it is not pinched, frayed, or damaged in any way.

POWER CORD IS PINCHED =

With cord unplugged, try to move the bed part slightly to release the pinched cord. If you can release the cord, replug the power cord into the wall outlet and test the bed.

BED WORKS = make sure the cord is not frayed or exposed. If it is OK, you should not have to replace.

POWER CORD IS DAMAGED = Replace the Power Cord (if hard-wired to Control Box, replace the box. See Page 28 for order information.)

- c. **POWER SUPPLY AND POWER CABLE OK, BUT STILL NOTHING WORKS . . .**

UNPLUG THE POWER CORD and check the Black Control Cable that runs from the Control Box to the male end of the Staff Control Cable. Make sure it is not pinched, frayed, or damaged in any way.

CONTROL CABLE CONNECTION IS PINCHED =

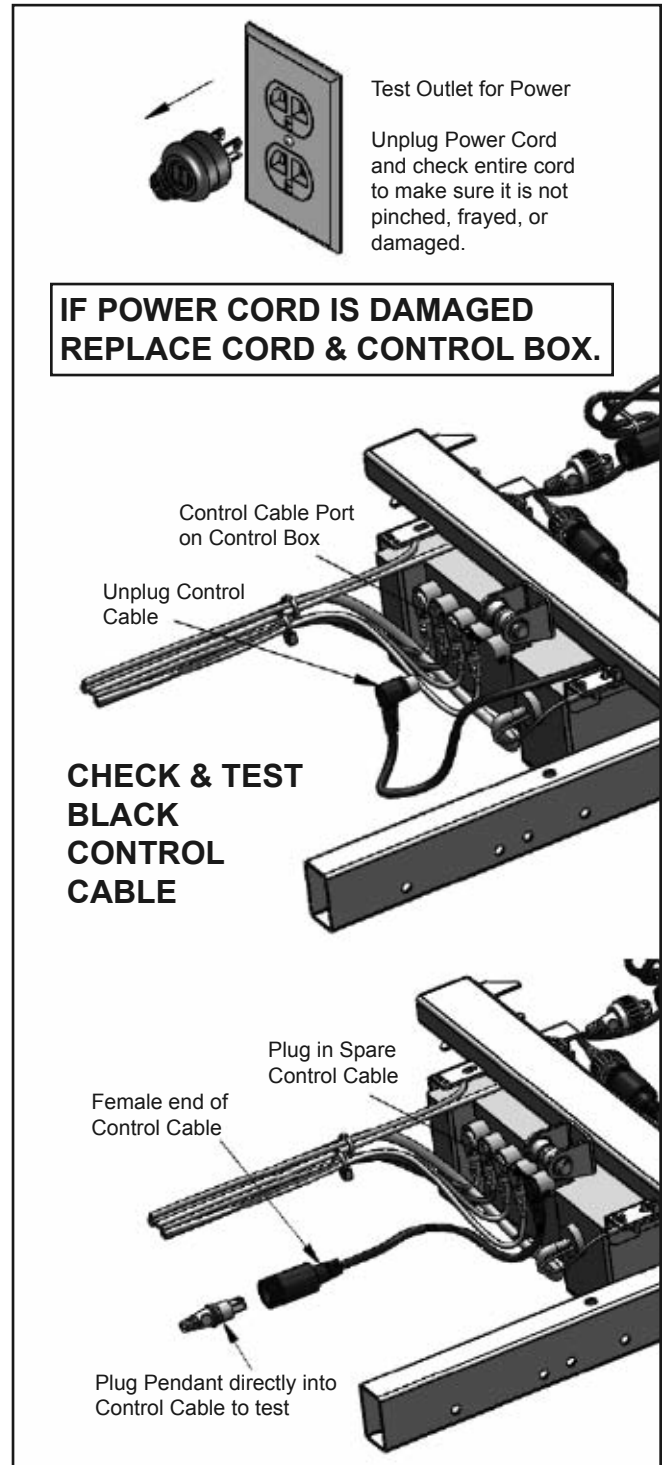
With the power cord unplugged from the outlet, try to move the bed part slightly to release the pinched cord. If you can release the cord, replug the power cord into the wall outlet and test the bed.

BED WORKS = make sure the cord is not frayed or exposed. If it is OK, you should not have to replace.

BED STILL DOES NOT WORK - POSSIBLE BAD CONTROL CABLE = If you have a spare black Control Cable, UNPLUG THE POWER CORD from the wall outlet. Unplug the old control cable from the Control Box and plug the new control spare in the port. "Gently" push in with thumb. Unplug the pendant/hand controller from the T-Cable on either side of the seat pan and plug into the other end of the Control Cable. Plug in the power cord and test the bed using the controller.

BED WORKS = Remove the bad Control Cable. Use new cable. (See next page for installation.)

NOTHING WORKS = Replace Control Box.



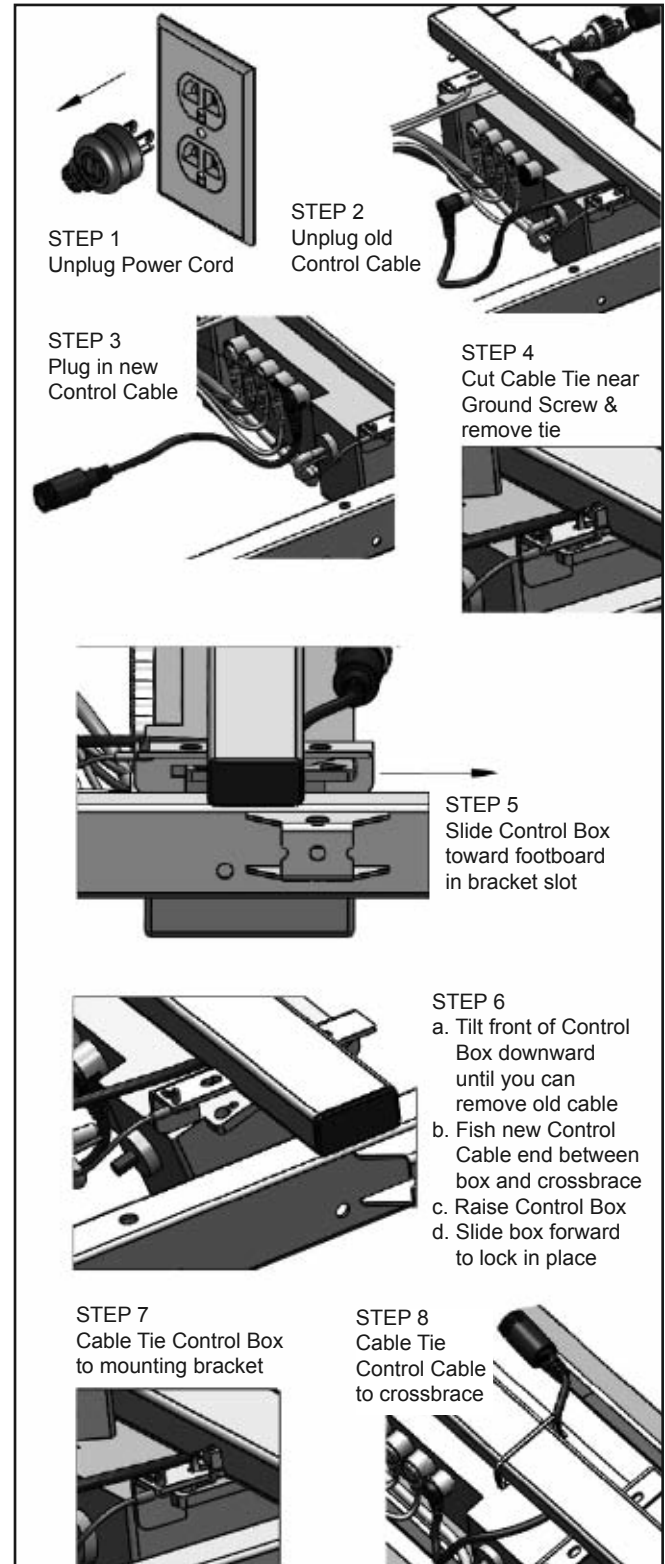
NOTE: IF YOU DETERMINE THAT YOU HAVE A BAD POWER CORD, CONTROL CABLE OR CONTROL BOX, ORDER A NEW CONTROL BOX AND WE'LL SEND IT WITH A NEW CONTROL CABLE ALREADY ATTACHED.



TROUBLESHOOTING - REMOVING & REPLACING CONTROL CABLE

IF CONTROL CABLE IS DAMAGED, UNPLUG, LOWER CONTROL BOX, AND REPLACE

1. UNPLUG THE POWER CORD FROM THE WALL OUTLET.
2. Unplug the OLD Black Control Cable form the Control Box and from the male staff control cable.
3. Plug in the NEW Black Control Cable into the Control Box.
4. Cut the small cable tie that attaches the Control Box to the mounting bracket (near the ground wire screw). Remove the cable tie and discard.
5. Slide the Control Box in the bracket slot toward the footboard until it hits the back of the slot.
- 6a. Tilt the front of the Control Box downward, holding the box from the bottom (motor cables are still attached).
- 6b. Fish the OLD Control Cable toward the footboard, between the box and the main frame cross brace. Cut the Cable Tie and discard the old Control Cable.
- 6c. Fish the other end of the NEW Control Cable around the Control Arm bracket and toward the footboard. The cable will lie between the Control Box and main frame cross brace as before (**this is done as a safety feature**).
- 6d. Tilt the front of the Control Box up to a horizontal position and slide it toward the footboard, then push it forward (*toward the center of the bed*) to lock in place.
7. Re-tie the Control Box to the mounting bracket with a Cable Tie (*near ground wire screw*). Cut off any excess.
8. Gather the black Control Cable on the other side of the cross brace (*toward the footboard*) and loosely cable tie to the brace (*you will tighten later*).
9. Plug the male staff control cable's phone jack into the cylindrical female end of the Control Cable. Screw on the retaining cap to secure.
10. Plug in the pendant into either the right or left side of the T-Cable under the seat pan (*middle of bed*) and re-plug the power cord into the wall outlet.
11. Test both the hand pendant and staff control to make sure everything works properly.
12. Run a cable tie through the larger hole at the end of the right hand mounting tube. Loop the longest of the staff control cables and tie both together to the tube. Pull tight to secure. Now, gently pull the Control Cable's tie on the cross brace tight.





TROUBLESHOOTING STAFF CONTROL

1. STAFF CONTROL LIGHTS ARE BLINKING-NOTHING ON STAFF CONTROL WORKS BUT PENDANT WORKS

- a. This could mean that your staff control is not getting enough power from the Control Box.
- b. Unplug the power cord from the wall outlet. Unplug the staff control cables from the Control Cable and T-Cable at the foot end.
- c. If you have a spare staff control assembly, plug the cables into the T-Cable and Control Cable, and test.

WORKS & LIGHTS DON'T BLINK =

Replace the Staff Control Assembly in your footboard (See Page 24 for dis-assembly. Please see Page 29 for order number.)

DOESN'T WORK & LIGHTS STILL BLINK =

Replace the Control Box. (Please see Page 28 for order number.)

2. STAFF CONTROL - PENDANT WORKS BUT NOTHING ON STAFF CONTROL WORKS

- a. Check the Staff Control connections at the foot end - *Staff Control cables plugged securely into T-Cable and Control Cable.* Also check if the other end of black Control Cable is plugged securely into the Control Box. Test the staff control . . .

STILL DOESN'T WORK = move to step b.

- b. Unplug the power cord from your wall outlet. Remove the Cable Cover (Shroud) on the inside of the footboard and locate the 2 terminal ends that plug directly into the back of the Staff Control Panel in the footboard. Make sure they are properly seated into the panel. Plug in the power cord and test the staff control . . .

STILL DOESN'T WORK = Replace Staff Control assembly (See Page 24 for dis-assembly. See Page 29 for order information.)

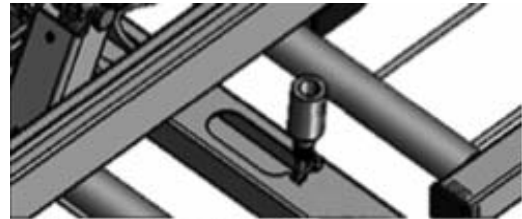
TROUBLESHOOTING PENDANT (& T-CABLE)

1. STAFF CONTROL WORKS BUT PENDANT/HAND CONTROLLER FUNCTION DOESN'T

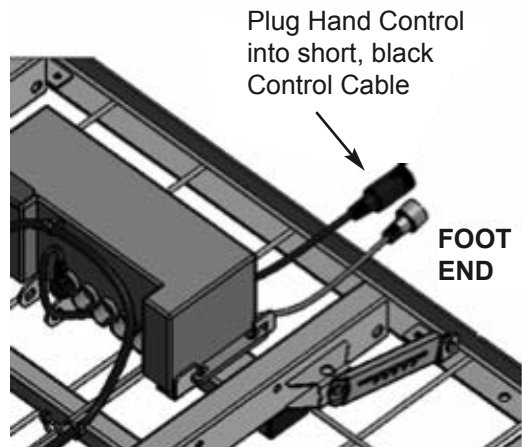
- a. Check to see if the functions are locked out on the Staff Control panel - if orange LED icons show on panel then that function is locked out. Press the Hold/Select Button and blue pendant symbol at the same time until the orange light goes out. Test the function. If the **PENDANT STILL DOESN'T WORK** = go to step b.
- b. Check the connections at the seat pan (Pendant/Hand Controller to T-Cable) and Staff Control Cable connection at the foot end. If the **HAND CONTROLLER STILL DOES NOT WORK** = move to step c.
- c. UNPLUG THE POWER CORD FROM THE WALL OUTLET.
- d. Unplug the Hand Controller plug from the end of the T-Cable on either side of the bed's Seat Pan. Unplug the cables at the foot end that connect to the staff control cables.
- e. Plug the Hand Controller directly into the cylindrical plug on the short, black Control Cable, making sure the pendants phone jack plug is properly seated in the control cable plug. Plug in the power cord and test the pendant.

- **ALL BUTTONS WORK** = Replace the T-Cable. (See page 29 for order information.)

- **NOTHING WORKS** = Replace the Hand Controller. (See page 29 for order information.)



Unplug Hand Control from T-Cable Plug at Seat Pan



Plug Hand Control into short, black Control Cable

FOOT END

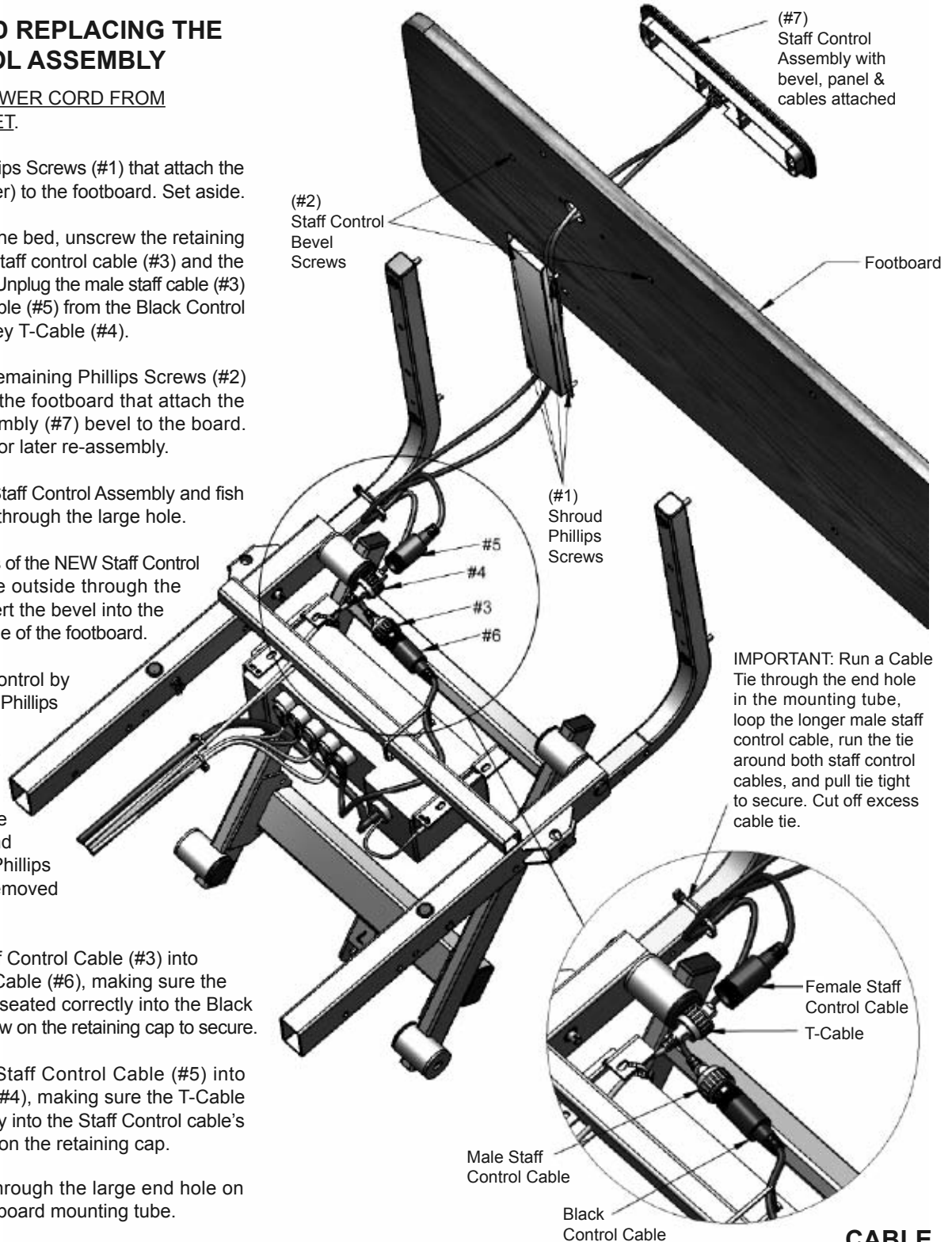
IF YOU NEED TO REPLACE YOUR PENDANT/HAND CONTROLLER PLEASE ORDER KIT NUMBER 999-0775-112.



TROUBLESHOOTING/REPLACING YOUR APS STAFF CONTROL

REMOVING AND REPLACING THE STAFF CONTROL ASSEMBLY

1. UNPLUG THE POWER CORD FROM THE WALL OUTLET.
2. Unscrew the 4 Phillips Screws (#1) that attach the Shroud (cable cover) to the footboard. Set aside.
3. At the foot end of the bed, unscrew the retaining caps on the male staff control cable (#3) and the Grey T-Cable (#4). Unplug the male staff cable (#3) and female staff cable (#5) from the Black Control Cable (#6) and Grey T-Cable (#4).
4. Unscrew the two remaining Phillips Screws (#2) from the inside of the footboard that attach the Staff Control Assembly (#7) bevel to the board. Set aside screws for later re-assembly.
5. Remove the OLD Staff Control Assembly and fish the old cables out through the large hole.
6. Feed the two cables of the NEW Staff Control Assembly from the outside through the large hole and insert the bevel into the cutout on the outside of the footboard.
7. Secure the Staff Control by re-inserting the two Phillips Screws (#2) you removed in Step 4.
8. Re-position the Shroud on the inside of the footboard and secure with the 4 Phillips Screws (#1) you removed in Step 2.
9. Plug the Male Staff Control Cable (#3) into the Black Control Cable (#6), making sure the phone jack plug is seated correctly into the Black Control Cable. Screw on the retaining cap to secure.
10. Plug the Female Staff Control Cable (#5) into the Grey T-Cable (#4), making sure the T-Cable plug is seated firmly into the Staff Control cable's receptacle. Screw on the retaining cap.
11. Run a Cable Tie through the large end hole on the right-hand footboard mounting tube.
12. Loop the longer male staff control cable and gather both staff control cables together. Run the Cable Tie around both cables and pull tight to secure. Cut off any excess Cable Tie.



CABLE CONNECTION CLOSEUP



TROUBLESHOOTING MOTOR CABLES & CONTROL BOX

1. HEAD, FOOT, OR HI/LO FUNCTION NOT WORKING

- a. Check plugs to make sure they are firmly seated in all ports on your Control Box and are plugged into the correct ports (See diagram at right).
- b. Check all cables to make sure they are not frayed, pinched, or damaged in any way. If any cable is damaged, UNPLUG YOUR BED'S POWER CORD FROM THE WALL OUTLET and REPLACE THE CABLE AND/OR THE ELECTRONIC COMPONENT.

c. HEAD DECK NOT RAISING - Unplug the power cord. Switch the head and foot plugs. Re-plug the power cord and press the FOOT button to test.

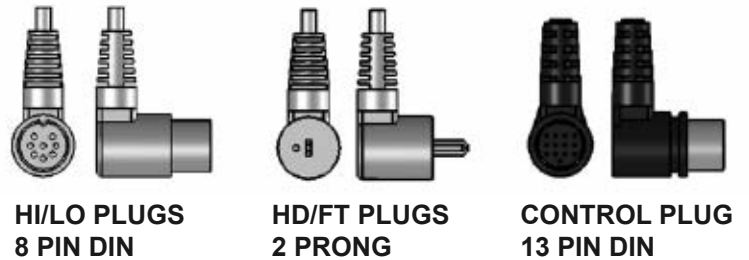
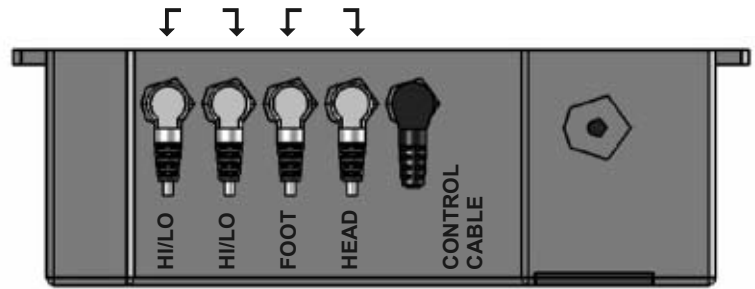
- **HEAD WORKS** = Control Box head port bad. Replace box (See page 28.)
- **DOESN'T WORK** = Replace the Head Motor. (See page 28 for order information.)

d. FOOT AND KNEE DECKS NOT RAISING - Unplug the power cord. Switch the foot and head plugs. Re-plug the power cord and press the HEAD button to test.

- **FOOT WORKS** = Control Box foot port bad. Replace box (See page 28.)
- **DOESN'T WORK** = Replace the Foot Motor. (See page 28 for order information.)

e. YOUR BED DOES NOT GO UP AND DOWN IN A HORIZONTAL POSITION - If you press the Up or Down Hi/Lo button and you hear a click or buzz but nothing happens = Check your Hi/Lo Motors by touching them and pushing the Hi/Lo buttons.

- **YOU FEEL NOTHING** = possible bad motor - go to the third step below.
- **YOU FEEL SLIGHT VIBRATION** = Motor OK.
- **Unplug the Power Cord** = Switch the two Hi/Lo plugs in the Control Box. Re-plug the power cord and press the same Hi/Lo button, then touch the same non-vibrating motor.
 - i. **MOTOR NOW VIBRATES** = Bad port in the Control Box - Replace box. (See page 28.)
 - ii. **MOTOR DOES NOT VIBRATE** = Replace the bad Hi/lo Motor. (See page 28.)



NOTE: THE HI/LO PLUGS ARE DIFFERENT THAN THE HEAD AND FOOT PLUGS. THEY ARE NOT INTERCHANGEABLE. THIS IS BECAUSE THE HI/LO MOTORS ARE MEANT TO MOVE IN TANDEM WHILE THE BED'S HEAD AND FOOT MOTORS MOVE INDEPENDENTLY.

f. ONE HI/LO MOTOR GOES FURTHER UP OR DOWN. The motors have gone out of alignment or you have replaced a Hi/Lo Motor and they need to be re-synchronized. See the following page for **RE-ALIGNMENT** instructions.

QUICK REFERENCE

- **HI/LO & FOOT WORKS, BUT HEAD DOES NOT:** Switch Head & Foot Motor Cable at the Control Box and test (see STEP C in left column).
- **HI/LO & HEAD WORKS, BUT FOOT DOES NOT:** Switch Foot & Head Motor Cable at the Control Box and test (see STEP D in left column).
- **HEAD & FOOT WORKS, BUT HI/LO DOES NOT:**
 - i. Switch Hi/Lo Motor Cables at the Control Box and test (see STEP E in left column).
 - ii. Test to see if Hi/Lo Motors need to be re-aligned (see STEP F above).

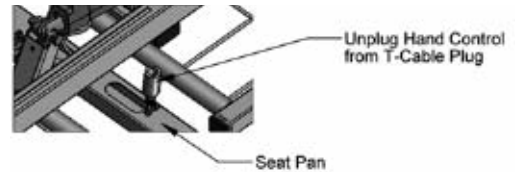


RE-ALIGNMENT OF HI/LO MOTORS

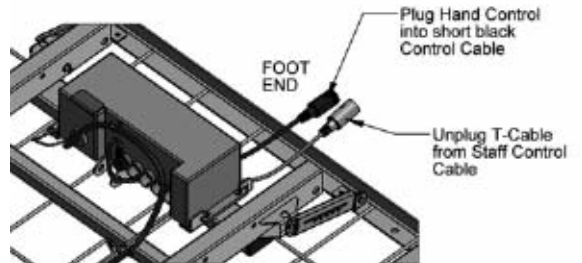
The Zenith 5000 Hi/Lo Motors are aligned and synchronized to work smoothly in tandem with one another. In the event of a power surge or power outage, or if you are replacing an existing motor, it may be necessary to "re-align" your Hi/Lo Motors. You will know that they need this process if the bed appears to be out of its horizontal position when laying flat (i.e. the head end or foot end is tilting slightly downward or upward).

"RE-ALIGNMENT" is a fairly easy process and can be completed within a matter of minutes using the beds pendant/hand controller. The procedure is described below.

STEP 1: Unplug the beds power cord from the wall outlet. Disconnect the Hand Control from the T-Cable on either side of the bed.



STEP 2: If you ordered your Zenith 5000 with a Staff Control in the footboard, disconnect the short, "black" Control Cable and "grey" T-Cable from the staff control cables running from underneath the metal shroud (cable cover) on the inside of the footboard.



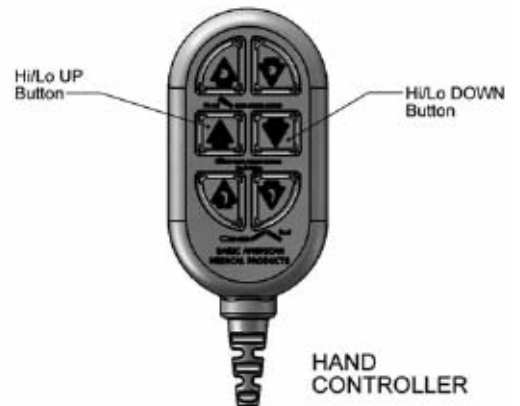
STEP 3: Plug the Hand Control plug directly into the short, black Control Cable at the foot end. (This will eliminate the staff control from the re-alignment process.) Make sure that the pendant's phone jack is seated properly and firmly inside the Control Cable plug. Re-plug the power cord into the wall outlet.

STEP 4: Using the Hi/Lo "DOWN" button on the Hand Controller, lower the bed until it won't go any further.

STEP 5: Once the bed has stopped, press the DOWN Hi/Lo button for 15-20 SECONDS to enter into the re-calibration mode.

STEP 6: Release the "DOWN" Hi/Lo button.

STEP 7: Press the "DOWN" Hi/Lo button again to see if the bed will lower any more. If it still lowers, continue pressing the "Down" button repeatedly until the bed has reached its final horizontal, down position and CANNOT MOVE ANY FURTHER. (If you have installed a new Hi/Lo Motor and your bed is angled, this process will lower the extended hi/lo until it is re-aligned with the new motor.)



STEP 8: Unplug the beds power cord from the wall outlet. Unplug the Hand Control plug from the short, black Control Cable and re-plug into the T-Cable plug on either side of the beds seat pan (your preference).

STEP 9: Re-plug the black Control Cable and grey T-Cable end plugs into their corresponding Staff Control Cable ends. Make sure plugs are firmly seated. Re-plug the power cord into the outlet.

STEP 10: Using your Hand Control, test the Hi/Lo Motor functions by pressing the UP and DOWN buttons, making sure the bed goes up and down smoothly.

STEP 11: If you are still having trouble with a Hi/Lo Motor function, please see previous page to test motors and cables.

IF YOU ARE STILL HAVING TROUBLE WITH THE HI/LO FUNCTION ON YOUR BED AFTER FOLLOWING THESE INSTRUCTIONS, PLEASE CONTACT ONE OF OUR CUSTOMER SERVICE REPRESENTATIVES AT 1-800-365-2338.



RECOMMENDED MAINTENANCE AND INSPECTION

► Maintenance Inspection of All Components (Receipt of Shipment)

- Make sure all parts/components are included (please see page 8 - “Unpacking Your Bed”).
- Check all bed components for obvious damage.
- Inspect the Power Supply Cord for any cuts and/or damage.
- Check to see all actuator cords are routed and connected properly to the control box.

► Mechanical Inspection of Assemblies (6 months)

- Inspect all welds on the sleeping surface, frame, and base assemblies for stress fractures.
- Inspect all fasteners for wear and looseness.
- **IMPORTANT:** Lubricate all pivot points, actuator/motor clevis pins, and control arm clevis pins as needed. White Lithium Grease is recommended.

► Mechanical Inspection of Stationary & Rolling Casters (3 months)

- Check the bottom of the stationary casters, making sure they are clean of debris and undamaged. Replace if needed.
- Check all rolling casters to ensure that they roll properly and are unobstructed.

► Electrical Inspection of Control Box (6 months)

- Check the external power cord that plugs into the control box for any chafing, cuts, or wear.
- Make sure all attaching hardware is securely tightened.
- Check all electrical connections for any wear or fractures.
- Check your 9V battery inside your Control Box (see page 20). Replace if needed. If you have an external battery backup pack check to make sure it is charged and ready to go.

► Electrical Inspection of Pendant and Staff Control (6 months)

- Check the pendant cord for any chafing, cuts, or wear.
- Check all pendant functions . . .
 - ✓ Head raises and lowers properly
 - ✓ Foot raises and lowers properly
 - ✓ Entire bed raises and lowers properly
- Check to make sure each button and associated function work properly (i.e. the head section raises when the Head Up button is activated).

► Electrical Inspection of Actuators/Motors (6 months)

- Check the actuator/motor cords for any chafing, cuts, or wear.
- Check the range of movement on all motors to ensure they do not bind in the Full Up and Full Down positions.

WARRANTY

- 15 Years on Frame
- **5 Years on Motors and Control Box**
(longest motor warranty in the industry)
- 3 Years on Other Electronics

The warranties contained herein contain all the representation and warranties with respect to the subject matter of this document, and supersede all prior negotiations, agreements and understanding with respect thereto. The recipient of this document hereby acknowledges and represents that it has not relied on any representation, assertion, guarantee, warranty, collateral contract or other assurance, except those set out in this document.



SERVICE/REPLACEMENT PART RECORD (Page 1)

DECKING					
Part Number	Description		QTY	Order Date	Price
999-0844-920SP	Head/Back Deck & Hardware Pack		1 Deck		
999-0844-930SP	OR - Foot Deck & Hardware Pack		1 Deck		
999-0844-940SP	OR - Knee Deck & Hardware Pack		1 Deck		
	Deck Hardware Pack 999-0844-990 - INCLUDES . . .		1 Pkg		
	4	Clevis Pins			
	5	5/16" Retaining Rings (Deck Brackets)			
	2	12mm Retaining Ring (Cntrl Arms to Decks)			
	1	Installation Instruction Sheet			
MOTORS (ACTUATORS)					
Part Number	Description		QTY	Order Date	Price
999-0843-251SP	Hi/Lo Motor (cable attached) & Hardware Pack		1 Motor		
999-0844-052SP	OR - Head Motor (cable attached) & Hardware Pack		1 Motor		
999-0844-053SP	OR - Foot Motor (cable attached) & Hardware Pack		1 Motor		
	Motor Hardware Pack 999-0844-991 - INCLUDES . . .		1 Pkg		
	2	12mm Retaining Rings			
	2	Hair Pin Clips			
	2	Snap Rings			
	8	Standard Cable Ties			
	1	Installation Instruction Sheet			
CONTROL BOX					
Part Number	Description		QTY	Order Date	Price
999-0844-300SP	Ilcon Control Box and Hardware Pack		1 Cntrl Box		
	Control Box Hardware Pack 999-0844-992 - INCLUDES . . .		1 Pkg		
	1	Extra Ground Screw			
	10	Standard Cable Ties			
	1	Installation Instruction Sheet			
CONTROL CABLE					
Part Number	Description		QTY	Order Date	Price
999-0844-200SP	Black Control Cable & Service Pack		1 Cable		
	Control Cable Service Pack - INCLUDES . . .				
	4	Standard Cable Ties			
	1	Installation Instruction Sheet			

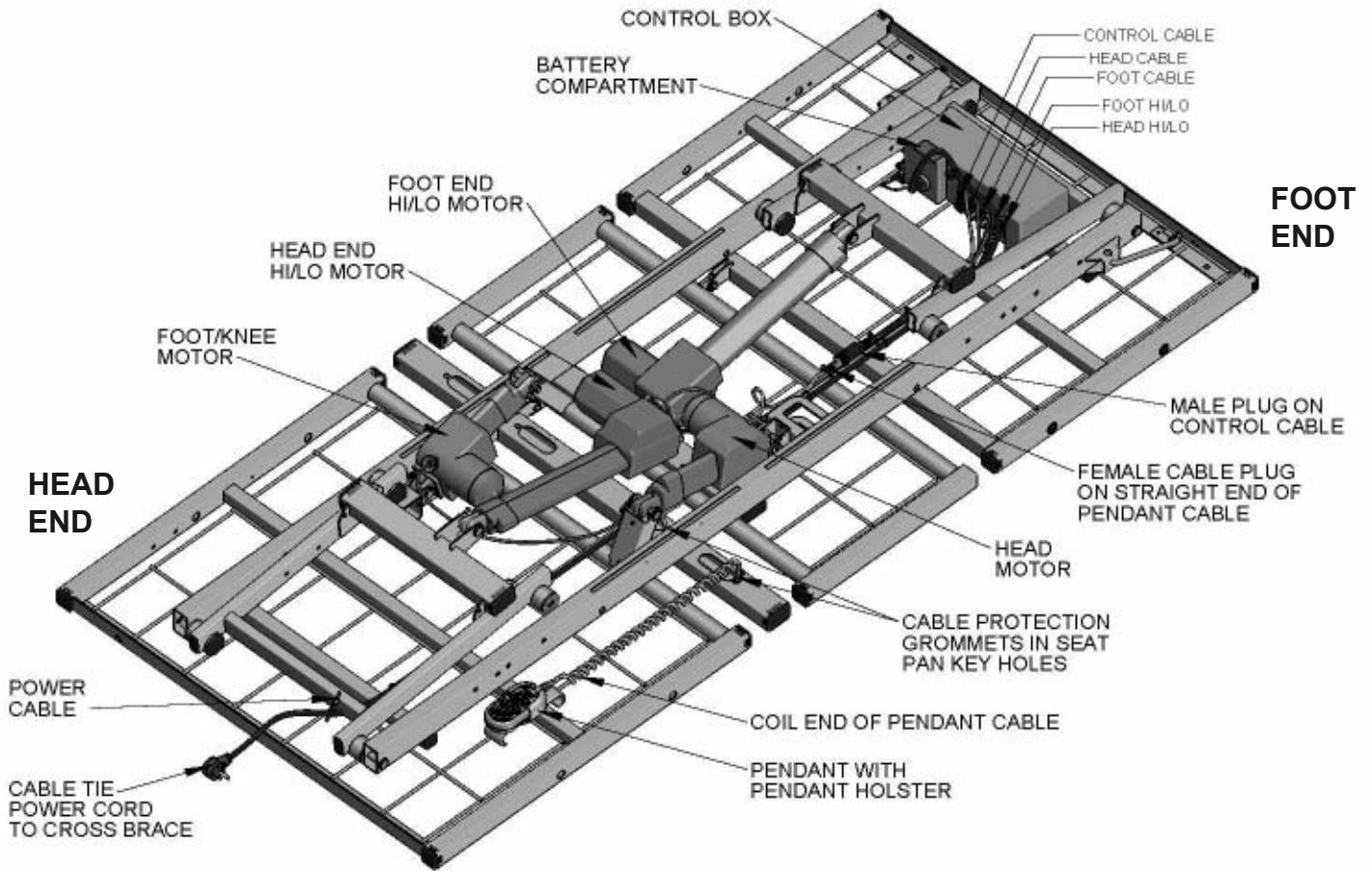


SERVICE/REPLACEMENT PART RECORD (Page 2)

PENDNAT/PENDANT HOLSTER					
Part Number	Description		QTY	Order Date	Price
999-0775-112	Pendant with Alligator Clip		1		
999-0791-000	Replacement Pendant Holster		1		
PENDANT T-CABLE					
Part Number	Description		QTY	Order Date	Price
999-0844-201SP	Grey Single T-Cable & Hardware Pack		1 Cable		
	T-Cable Hardware Pack 999-0844-993 - INCLUDES . . .		1 Pkg		
	2	Split Stem Cable Retainers			
	4	Push Cable Ties			
	6	Standard Cable Ties			
	1	Installation Instruction Sheet			
STAFF CONTROL					
Part Number	Description		QTY	Order Date	Price
999-0831-901	Switch Pad with Bezel & Cables		1 Unit		
ZL831000	Staff Control Service Pack - INCLUDES . . .		1 Pkg		
PLEASE SEE PAGE 10 FOR INSTALLATION INSTRUCTIONS	1	Switch Pad with Bezel & Cables			
	1	Shroud (Cable Cover)			
	6	#6 Phillips Head Truss Screws			
	3	4" Nylon Cable Tie			
	1	Installation Instruction Sheet			
CAPS & PLUGS					
Part Number	Description		QTY	Order Date	Price
NOTE: CAPS & PLUGS CAN ONLY BE PURCHASED IN SETS OF 12					
100-4200-004PK	1.25" x 1.25" Square Caps Pack		12/pkg		
100-4700-015PK	1.00" x 1.00" Square Caps Pack		12/pkg		
100-4700-021PK	.75" x 1.50" Rectangular Caps Pack		12/pkg		
100-4700-017PK	1.00" x 2.00" Rectangular Caps Pack		12/pkg		
100-4700-018PK	1.25" x 2.00" Rectangular Caps Pack		12/pkg		
100-4715-011PK	1.50" Round End Caps Pack (cover arm bearings and stationary casters)		12/pkg		
100-4762-002PK	5/8" Round Plugs Pack (both sides of foot deck)		12/pkg		
100-4738-005PK	3/8" Round Plugs (on main frame rails - foot end)		12/pkg		
FOR GENERAL CAP/PLUG DIAGRAMS PLEASE SEE PAGES 32 & 33					



SERVICE/REPLACEMENT PART DIAGRAM - ELECTRONICS



1. **TO ORDER A REPLACEMENT HI/LO MOTOR USE SERVICE PACK # 999-0843-251SP** (Includes motor, mounting hardware & installation instruction sheet).

2. **TO ORDER A REPLACEMENT HEAD MOTOR USE SERVICE PACK # 999-0844-052SP** (Includes motor, mounting hardware & installation instruction sheet).

3. **TO ORDER A REPLACEMENT FOOT MOTOR USE SERVICE PACK # 999-0844-053SP** (Includes motor, mounting hardware & installation instruction sheet).

4. **TO ORDER A REPLACEMENT CONTROL BOX PLEASE USE # 999-0844-300SP** (Includes Control Box, cable ties, ground screw & installation instructions.)

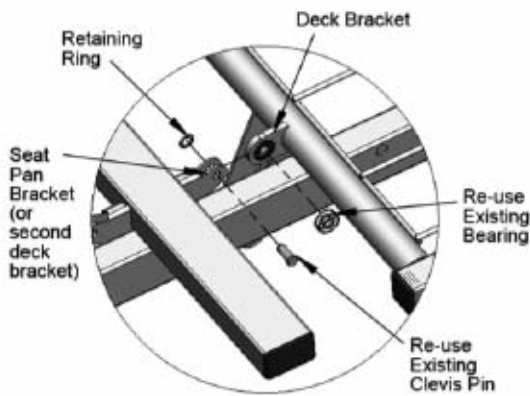
5. **TO ORDER A REPLACEMENT T-CABLE USE SERVICE PACK # 999-0844-201SP** (Includes T-Cable, cable ties, grommets & installation instruction sheet).

6. **TO ORDER A REPLACEMENT CONTROL CABLE USE SERVICE PACK # 999-0844-200SP** (Includes black control cable and cable ties.)

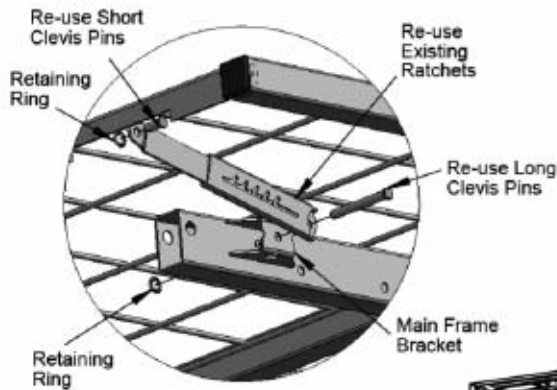
WHEN ORDERING REPLACEMENT PARTS WITH CUSTOMER SERVICE, PLEASE HAVE YOUR BED'S SERIAL NUMBER AVAILABLE TO CONFIRM WHETHER THE PART IS COVERED UNDER WARRANTY. (SEE PAGE 5 FOR LOCATION OF SERIAL NUMBER ID LABEL.)



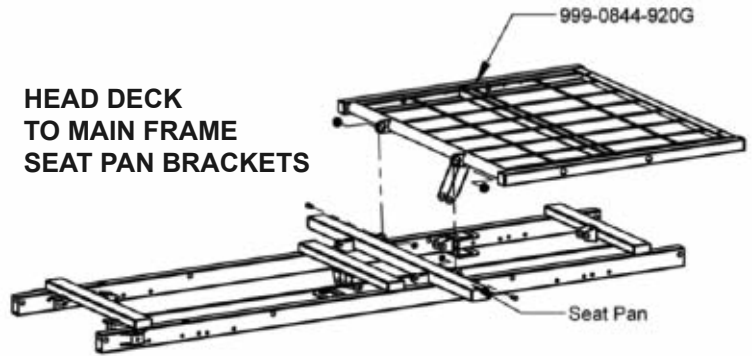
SERVICE/REPLACEMENT PART DIAGRAM - DECKING



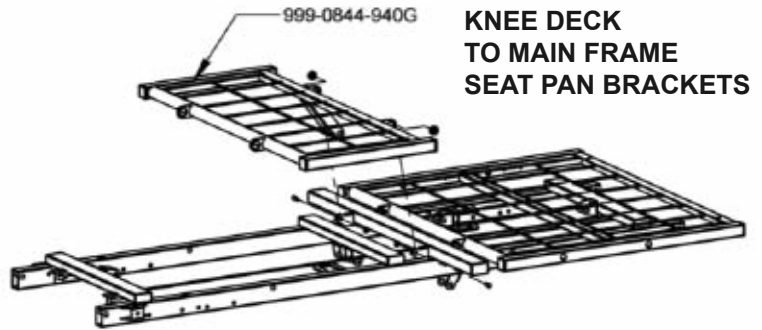
DETAIL OF DECK ATTACHMENT
(Similar for all decks)



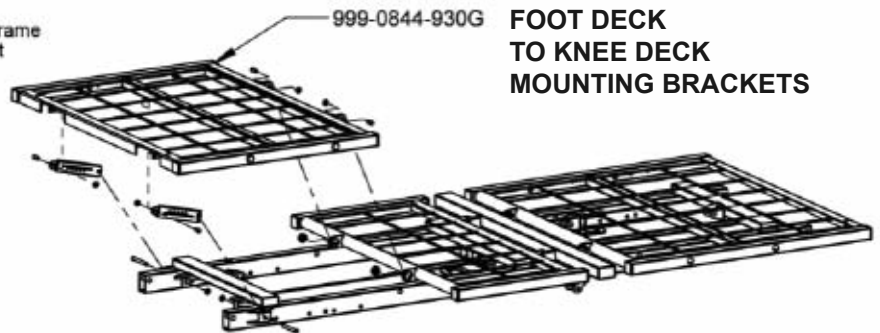
DETAIL OF EDEMA RATCHET RE-ATTACHMENT
(Use existing ratchets and hardware)



HEAD DECK TO MAIN FRAME SEAT PAN BRACKETS



KNEE DECK TO MAIN FRAME SEAT PAN BRACKETS



FOOT DECK TO KNEE DECK MOUNTING BRACKETS

1. TO ORDER A REPLACEMENT HEAD DECK USE SERVICE PACK **999-0844-920SP** (includes deck, mounting hardware & installation instruction sheet).

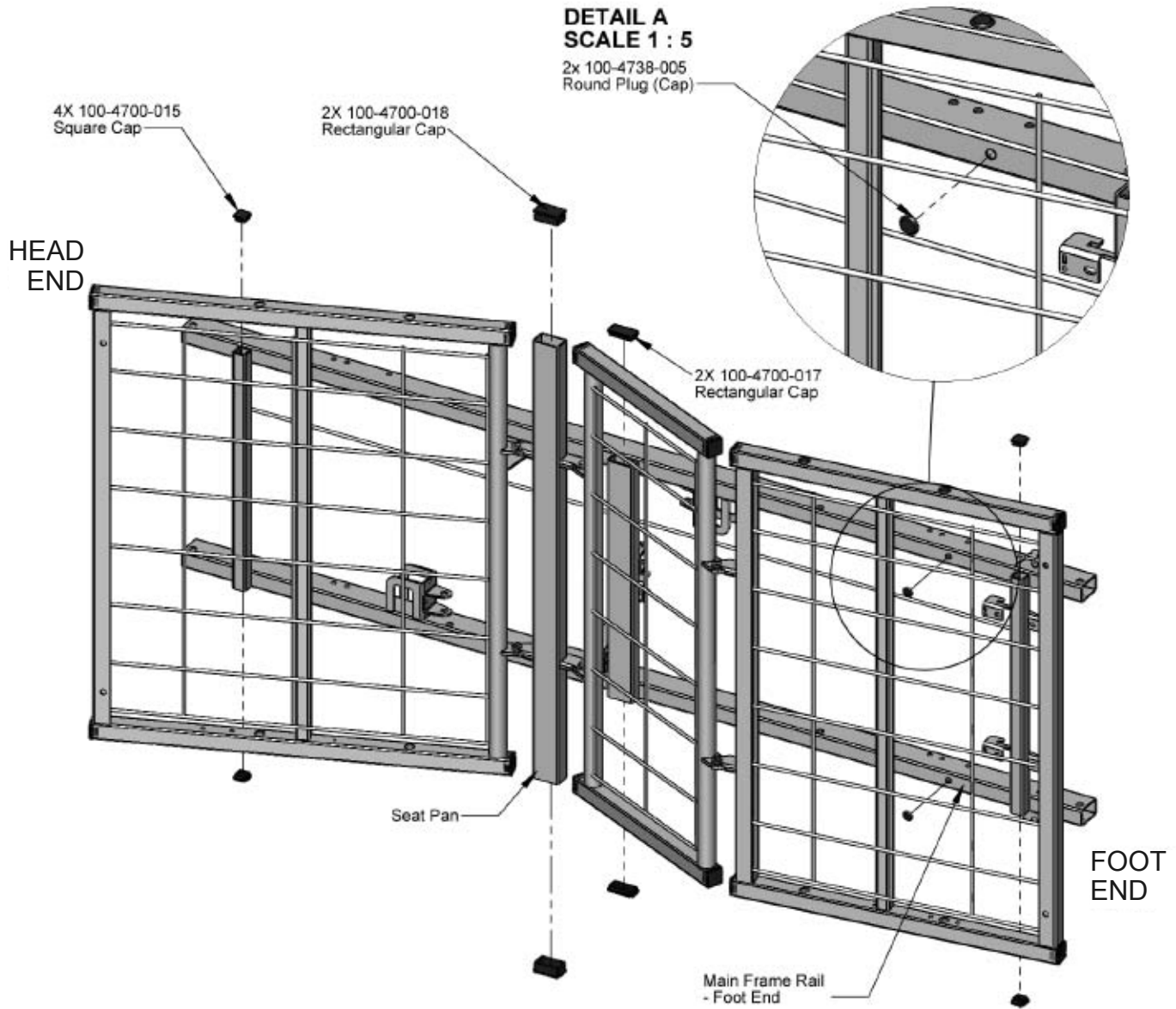
2. TO ORDER A REPLACEMENT KNEE DECK USE SERVICE PACK **999-0844-940SP** (includes deck, mounting hardware & installation instruction sheet).

3. TO ORDER A REPLACEMENT FOOT DECK USE SERVICE PACK **999-0844-930SP** (includes deck, mounting hardware & installation instruction sheet). Re-use existing edema ratchets & ratchet hardware.

WHEN ORDERING REPLACEMENT PARTS WITH CUSTOMER SERVICE, PLEASE HAVE YOUR BED'S SERIAL NUMBER AVAILABLE TO CONFIRM WHETHER THE PART IS COVERED UNDER WARRANTY. (SEE PAGE 5 FOR LOCATION OF SERIAL NUMBER ID LABEL.)



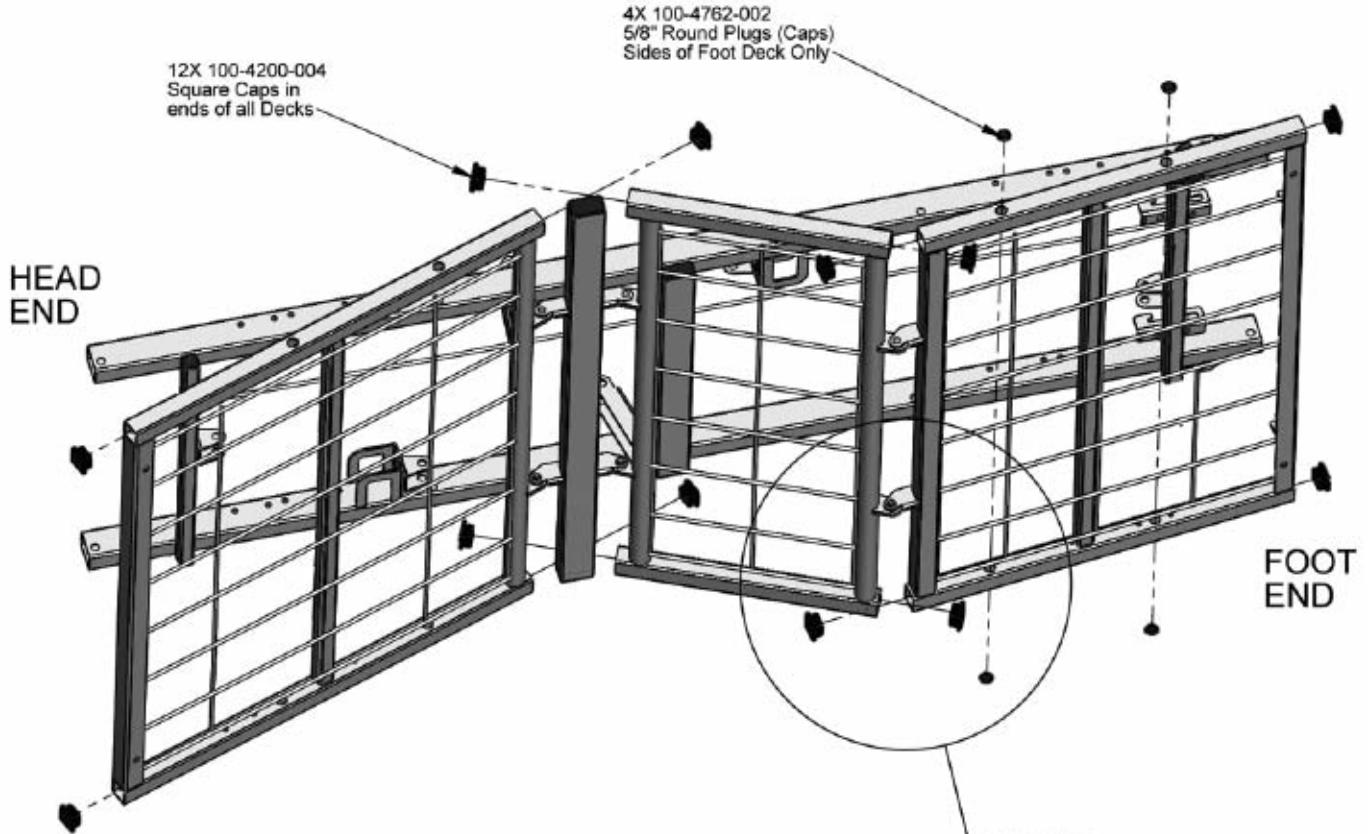
**SERVICE/REPLACEMENT PART DIAGRAM -
MAIN FRAME CAPPING**



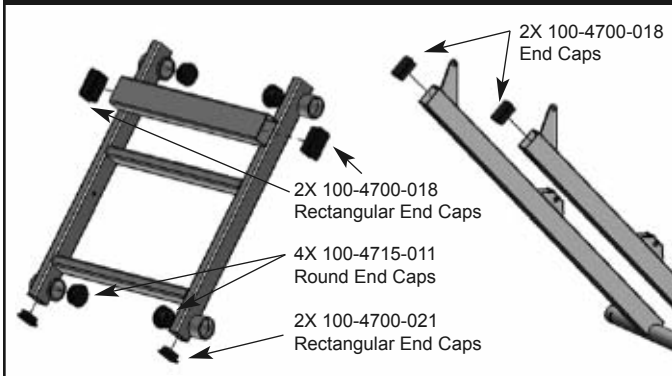
CAPS OR PLUGS ARE NOT COVERED UNDER WARRANTY
(PACKS OF 12 CAN BE ORDERED IN THE EVENT YOU DAMAGE OR LOSE
ANY CAPS/PLUGS ON YOUR BED - SEE BOTTOM OF PAGE 29 FOR ORDER NUMBERS)



SERVICE/REPLACEMENT PART DIAGRAM - CAPPING ON HEAD, KNEE, AND FOOT DECKS



CAPPING ON ARMS & LEGS



**CAPS OR PLUGS ARE NOT COVERED UNDER WARRANTY
(PACKS OF 12 CAN BE ORDERED IN THE EVENT YOU DAMAGE OR LOSE
ANY CAPS/PLUGS ON YOUR BED - SEE BOTTOM OF PAGE 29 FOR ORDER NUMBERS)**



GRAHAM-FIELD

336 Trowbridge Dr. • Fond du Lac, WI 54937
Customer Service: 1.800.365.2338 • Fax: 920.929.8213
www.grahamfield.com

© 2012 GF Health Products, Inc.
All Rights Reserved

Basic American Medical Products and Zenith
are registered trademarks of GF Health Products, Inc.