



Century
T1030 Manual Bed
T2030 Semi Electric Bed
T3030 Full Electric Bed
Operating Manual

ATTENTION

Before using this Medical Device read this manual. If you are unable to understand, contact your equipment provider for technical support before attempting to use this product.

Tuffcare
HIGHER STANDARD FOR HEALTH CARE™
WWW.TUFFCARE.COM

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FORWARD



Congratulations on your purchase of a Tuffcare® Century homecare bed! Our homecare bed is engineered and designed with durability & easy maintenance in mind. Euro style surface is easy to clean and has no pinch points. Comes in 3 different models of manual, semi electric and full electric. Read through this manual and get acquainted with your homecare bed. Follow the maintenance schedule to ensure proper function of your bed.

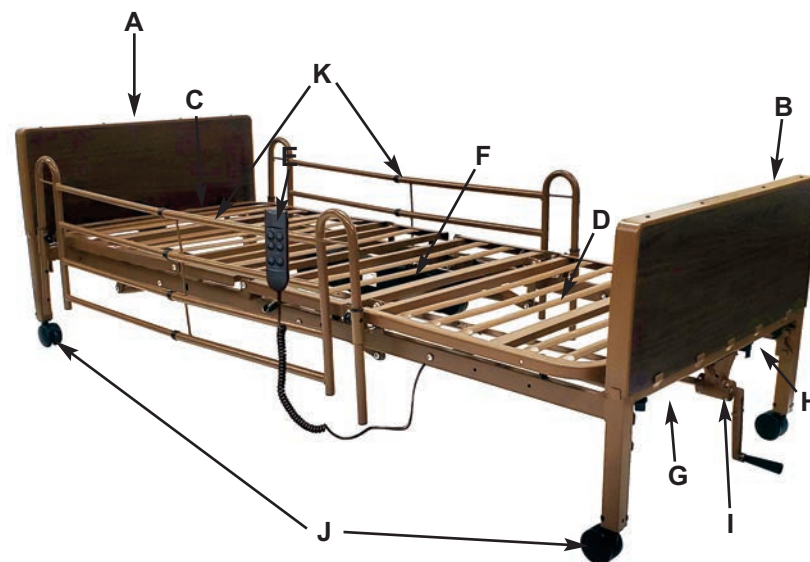
SAFETY PRECAUTIONS

- ⚠ Do not operate your Century homecare bed until you have read and fully understood this manual. If you are unable to understand, contact your equipment provider for technical support before attempting to use this bed.
- ⚠ Do not operate your homecare bed until it is fully assembled and checked.
- ⚠ Do not place arms or head into the frame during operation. Stand clear of the device frame before operating. Operating this device with any part of the body in the frame can result in injury.
- ⚠ Do not leave loose clothing or yourself in between moving parts. Keep fingers and arms away when bed is in movement. Pinch points exist at the base of the bed. USE CAUTION, otherwise injury could occur.
- ⚠ Do not use if power cord is cut, frayed or loosely connected to the device.
- ⚠ Do not expose electrical components to any highly flammable items. Power cord may be damaged by inappropriate handling, kinking, shearing or other forms of mechanical damage.
- ⚠ Do not position the bed to make it difficult to disconnect from power grids.
- ⚠ Do not plug into an inadequate electrical outlet. To avoid the risk of electrical shock, this equipment must only be connected to power grids with an earthing protection system. The power supply cord can only be replaced by service personnel.
- ⚠ Do not expose your institutional bed to weather or moisture.
- ⚠ Do not exceed maximum weight limit of the bed. The weight limit for the bed is 450 lbs.
- ⚠ Do not modify equipment without authorization of the manufacturer. After reading the instructions, it should be put in a place where it can be seen at any moment.

ASSEMBLING PRECAUTIONS

- ⚠ The split frame design requires two people, do not attempt to complete the assembly alone.
- ⚠ Do not over-tighten mounting hardware, It will cause damage to mounting brackets.
- ⚠ Be sure that bed side rails are properly attached on the main frame before the patient is moved into the bed.
- ⚠ Secure the caster locks in place to prevent the bed moving.
- ⚠ The medical bed should be left in its lowest position when the patient is unattended in order to reduce RISK of injury due to falls.

PRODUCT DIAGRAM



- | | |
|-------------------------------|-----------------------------|
| A. Headboard | B. Footboard |
| C. Head Frame | D. Foot Frame |
| E. Hand Pendant | F. Motor Pack Semi or Full |
| G. Head Crank (Manual only) | H. Foot Crank (Manual only) |
| I. Hi/Low Crank (Semi only) | J. Caster Wheels |
| K. Full or Half Bedside Rails | |

⚠ WARNING SAFETY ALERT

Patient Entrapment with bed side rails may result in serious injury or death. ALWAYS evaluate patient for bed rail entrapment and guard against it in accordance with medical protocols. Monitor patient frequently. Mattress MUST fit bed frame and side rails snugly to prevent entrapment. There may be an increased risk of entrapment when bed rails are used in conjunction with low air loss products. Follow the Safety Warnings and Operating Instructions in the service/User's manual. Contact your dealer or visit WWW.TUFFCARE.COM.

⚠ WARNING Crush Hazard due to LOW BED CLEARANCE

Stay clear of frame and ensure children and pets are not under or near the frame before lowering the bed. Beware of PINCH POINTS below deck panels, next to fixed attachments, and between moving parts.

PRODUCT SPECIFICATION

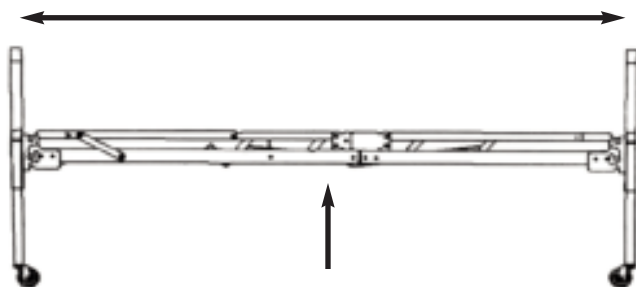
Control Operation

Semi Electric: Dual DC Motor system with 4 Function Pendant

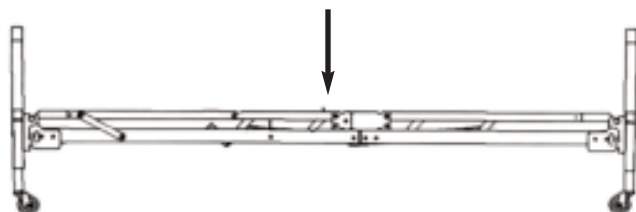
Full Electric: Tri DC Motor System with 6 Function Pendant

Overall Length: 86 inches

Bed Fabric Height: 23 inches at the highest position

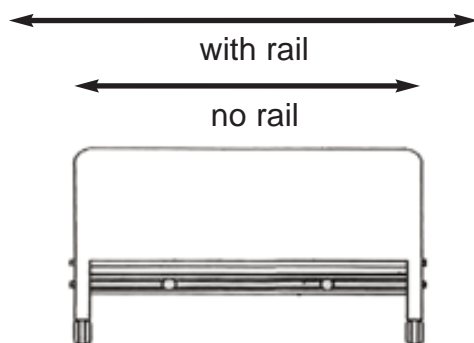


Bed Fabric Height: 15.5 inches at the lowest position



Sleep Surface: 36 x 80 inches,

Overall Width: 36 inches w/o Side Rail, 42 inches w/Rail



Overall Height (with Side Rail Up): 34 - 41 inches

Maximum Back Angle to Horizontal: 65 degrees

Maximum Knee Angle to Horizontal: 43 degrees

Maximum Knee to Leg Angle: 120 degrees

Casters: 4 x 3" Swivel Casters, 2 with Braking System
2 without Braking System

Rail Height (from Fabric): 16 inches

Head Board Height (from Fabric): 12 1/2 inches

Foot Board Height (from Fabric): 10 1/2 inches

Weight Capacity: 450 lbs

Weight: T1030 - 145lbs
T2030 - 150lbs
T3030 - 151lbs

Emergency Manual Hand Crank: Yes

Emergency Backup Battery: 9 Volt DC

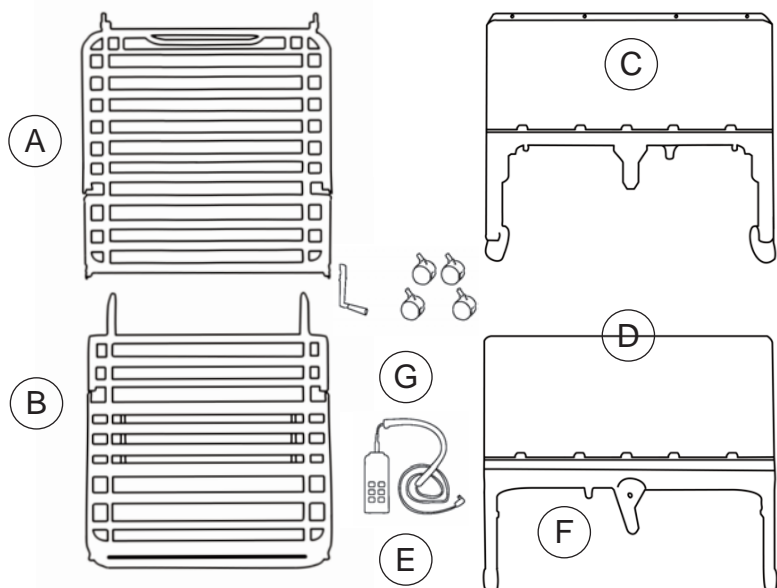
Limited Warranty Bed/Electronics: 3 Years/1 Year

UNPACKING

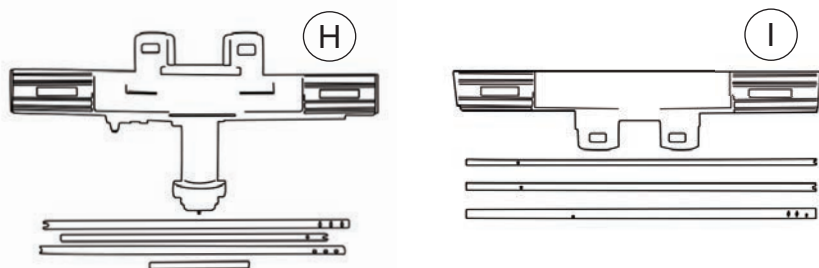
Remove the bed from packing case or pallet and examine deck and frame for shipping damage. If damage is detected in shipping, contact the freight company and file a damage claim.

Dispose of the removed packaging at your local recycling center. Discard the wrapper and box separately. At the product's end of life, dispose of it cleanly.

MAIN COMPONENTS



- A. Head Frame
- B. Foot Frame
- C. Headboard Assembly
- D. Footboard Assembly
- E. Hand Pendant
- F. Emergency Crank
- G. Caster Wheels, 2 locking 2 non-locking



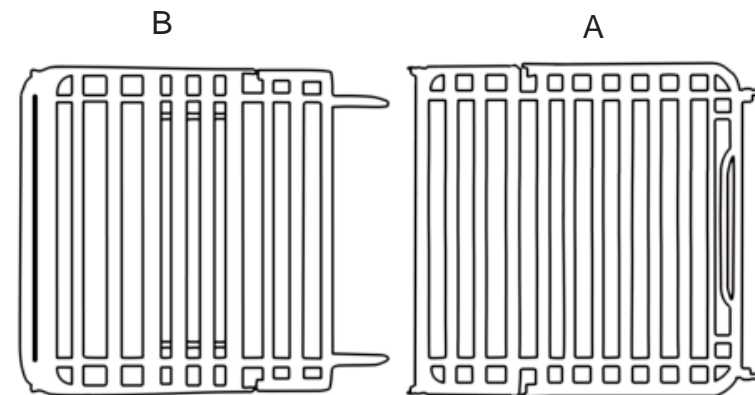
- H. Semi- Electric Motor & Shaft for T2030
- I. Full- Electric Motor & Shaft for T3030

⚠ WARNING

Use only Tuffcare parts to complete this bed assembly.

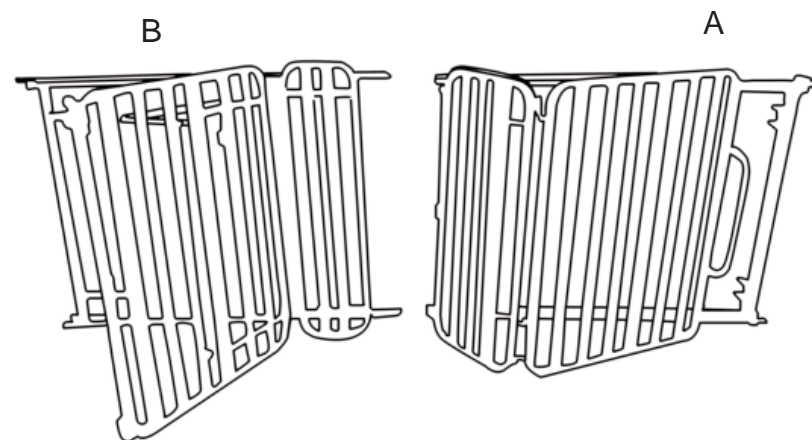
ASSEMBLY

ASSEMBLE HEAD AND FOOT FRAME

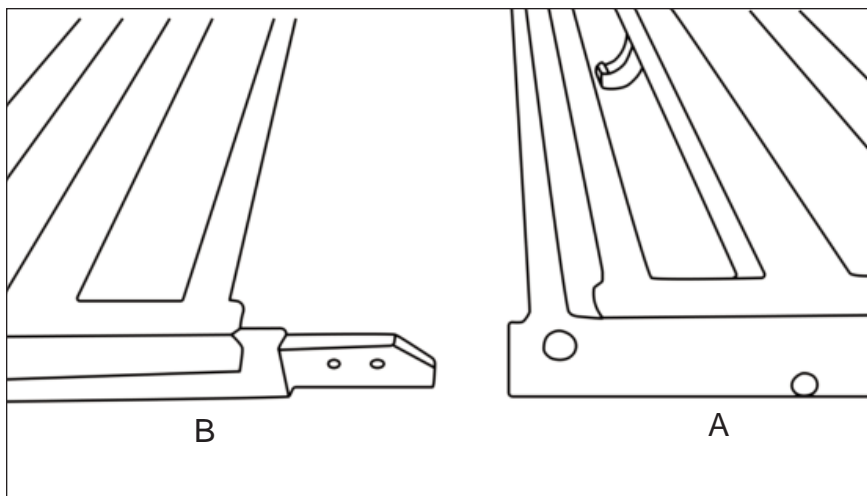


1a. First step, assemble the foot(A) & head(B) frame. Place both ends of the frame/sleep surface on their sides.

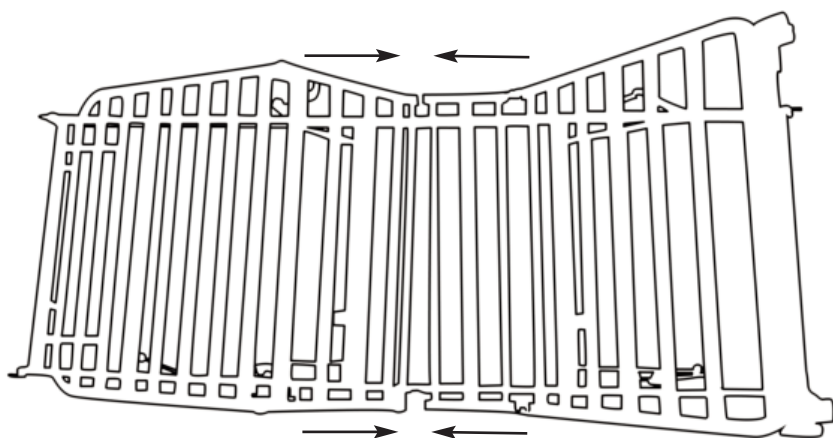
Caution: This step requires two people, do not attempt to do the installation alone.



1b. Lift the head surface and the foot surface up to create leverage so the two frames can stand on their sides.



1c. Carefully align the flanges on both side of the head frame with the receptacles on two sides of the foot frame as shown.



1d. Attach the head and foot sections by sliding the two sides together. Then lock the two sections into position with cotter pin and clasp.

Figure A

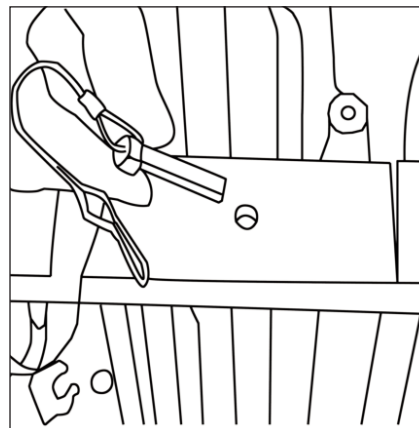
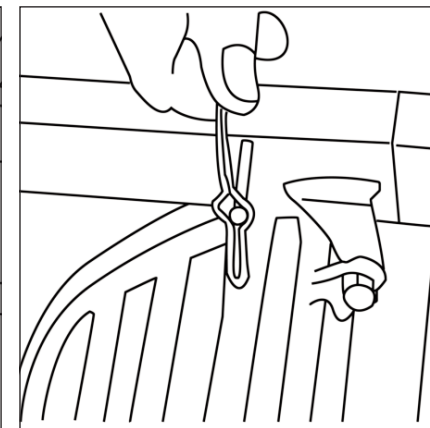


Figure B



1e. Insert the cotter pin into the overlapping holes on the head frame flange and the foot frame to secure the frame/sleep surface as shown(Figure A). Loop the attached clasp around to lock the cotter pin(Figure B). Repeat on the opposite side (Figure C).

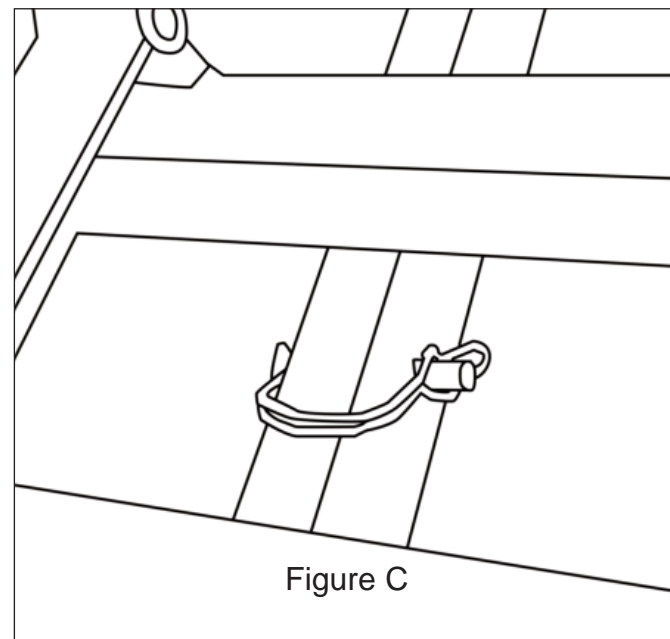
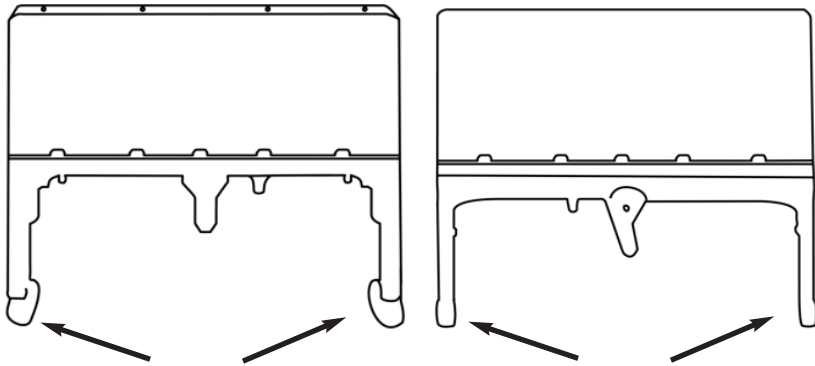
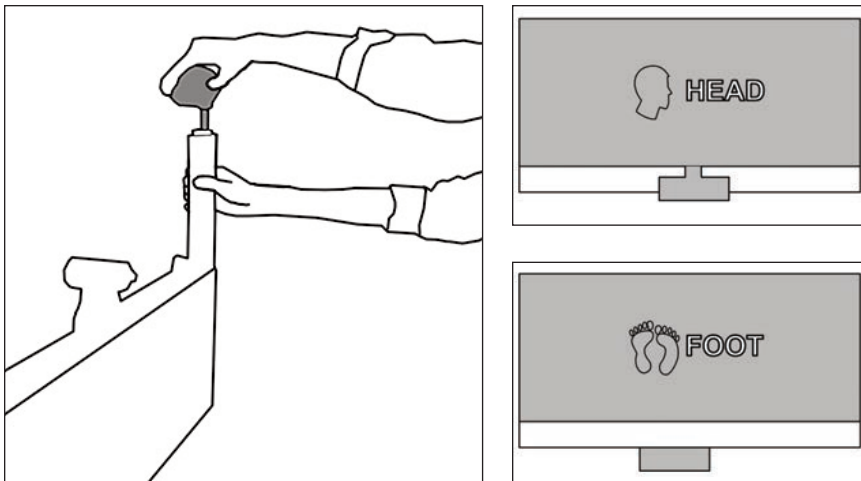


Figure C

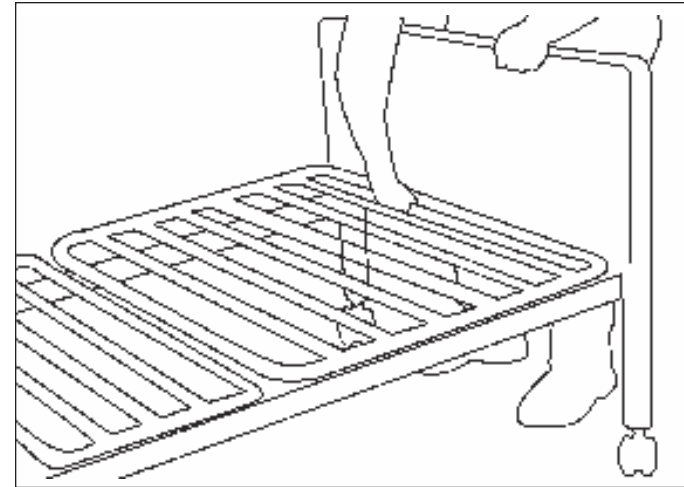
ASSEMBLE BED ENDS TO FRAME



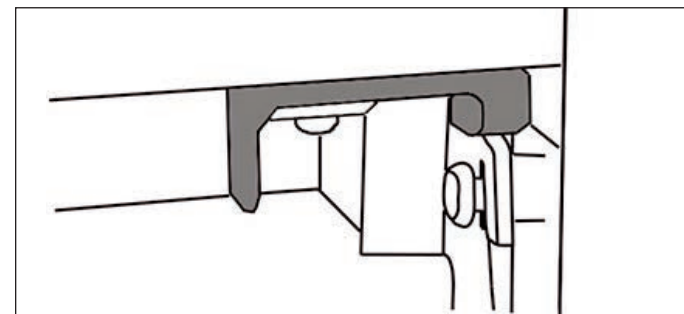
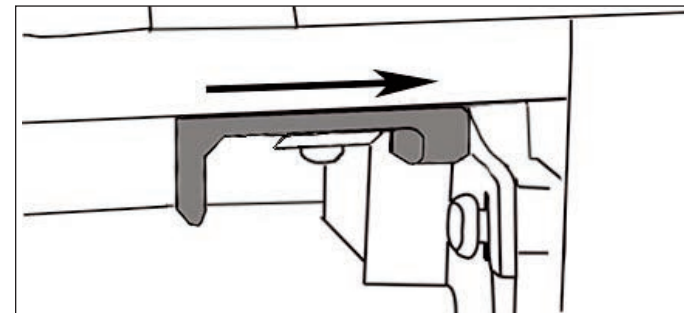
2a. Install casters onto bed ends(head board & foot board) by inserting the stem of the caster into the leg receptacle. It is recommended to install one locking caster and one non-locking caster on each bed end. The locking casters should be installed diagonally from each other.



2b. Install casters to both bed ends. To engage the locking caster, press down on locking tab; lift up to release.

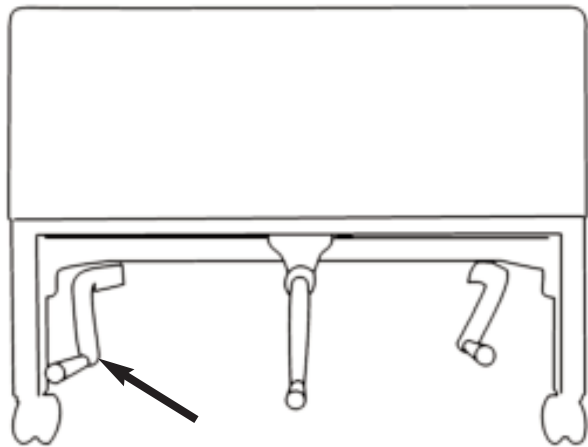


2c. Attach the Head and Foot Boards by aligning the frame mounting hooks over bed end mounting pins and push the frame down to secure it in place.

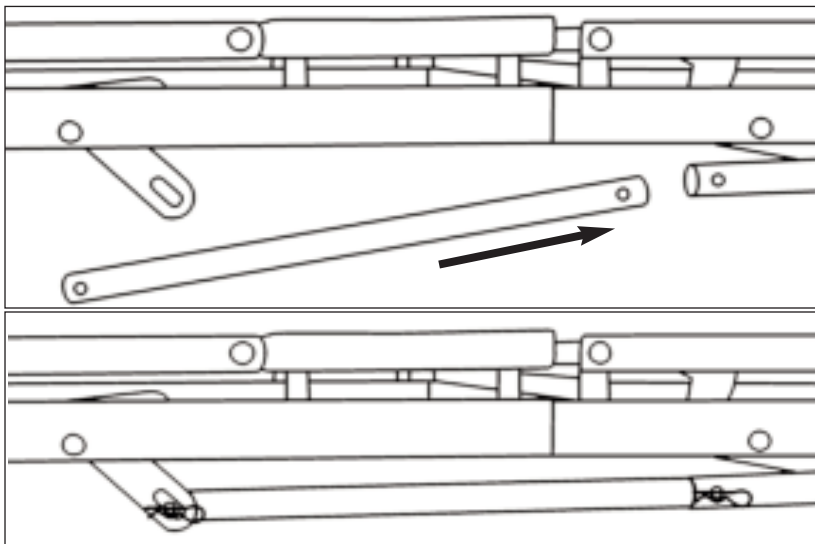


2d. Push the slide locks in place over frame hooks for both bed ends to help prevent frame separation from bed ends.

DRIVE CRANK INSTALLATION - MANUAL BED ONLY

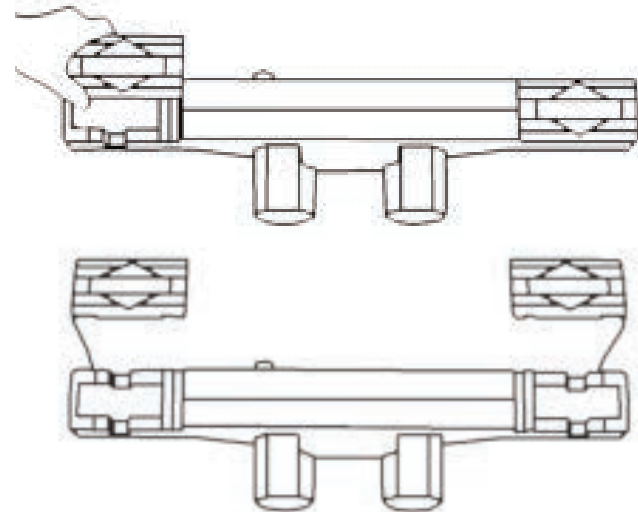


3a. The head crank located on the left side of the foot board needs an added extension to the drive tube.

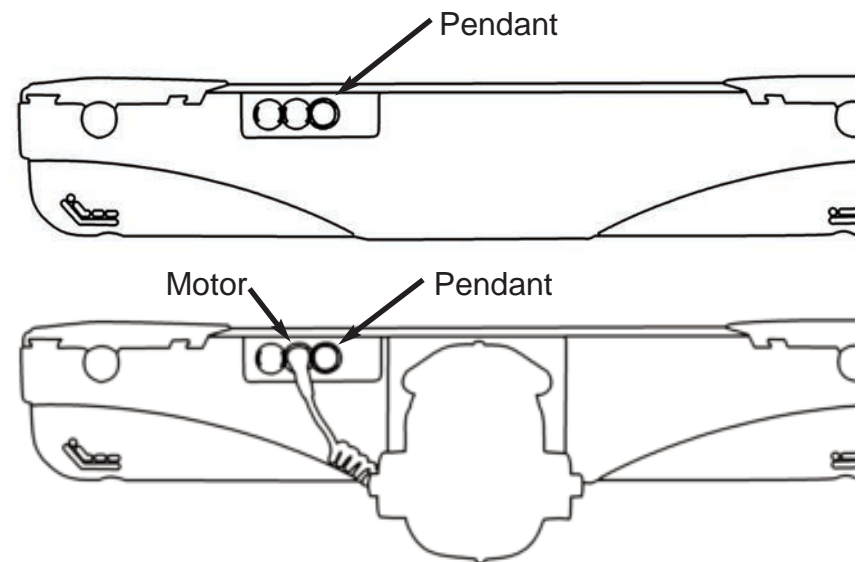


3b. Insert the drive extension onto the end of the drive tube line up the 2 holes then secure with the clevis pin, and set the cotter pin to lock. Mount the other end of the extension to the oval hole in the left plate secure with another clevis pin.

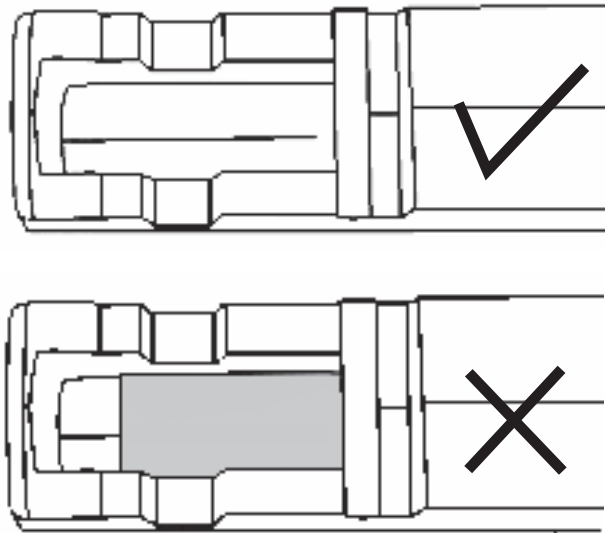
MOTOR INSTALLATION - ELECTRIC BED ONLY



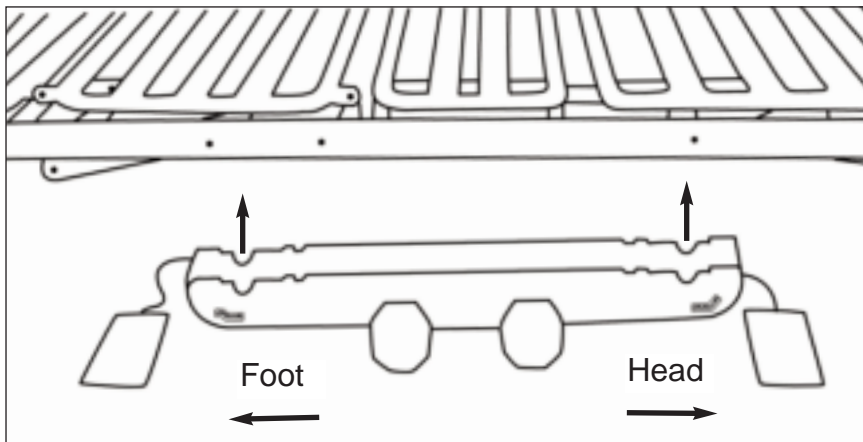
4a. Remove the locking caps on top of the motor before mounting it onto the bed frame.



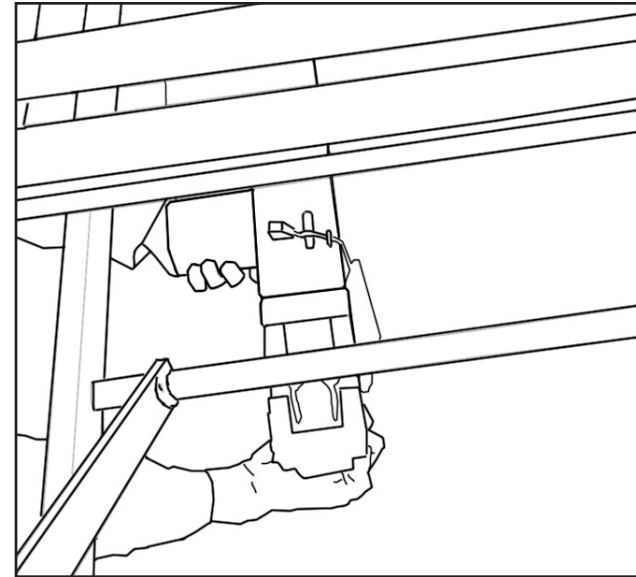
4b. Before installing motor, plug the hand pendant in on the semi electric bed. For full electric bed plug both the pendant and the Hi/Low motor cable as shown.



4c. Prior to installation, make sure that the 2 white motor blocks are in the retracted position. If the white motor block is not in the retracted position, plug power cord into power outlet and retract motor block by pressing the down button on hand pendant until motor block is fully retracted.



4d. Position the motor under the bed frame make sure the the head and foot actuator is facing the correct sid of the bed.



4e. Align the motor with the actuator bar and lift the head spring to the highest position. The motor will automatically be pulled towards the bed and lock onto the actuator. Repeat for foot section.

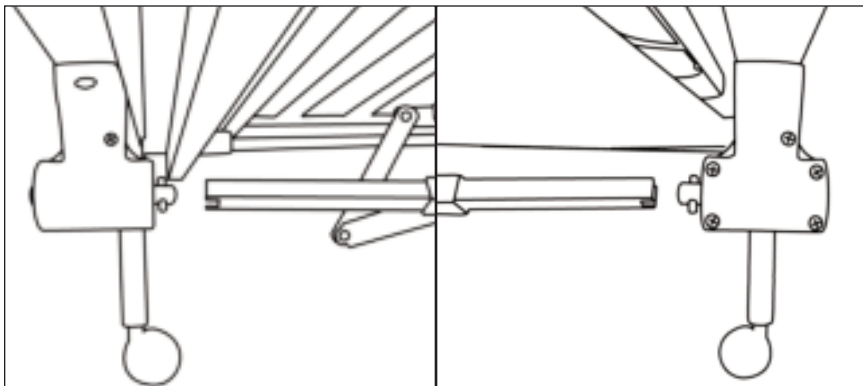
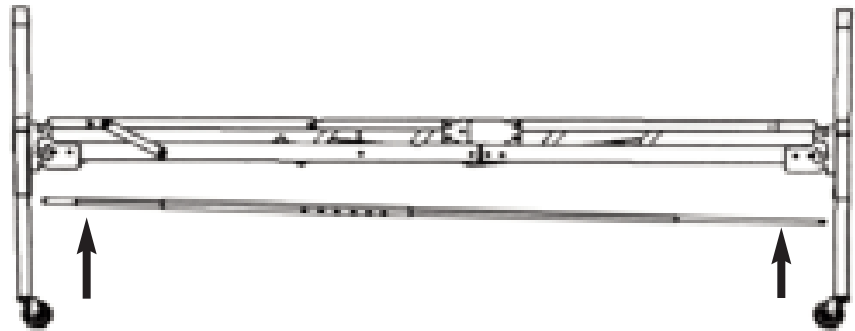


4f. After the motor is installed, slide the two locking covers back onto the motor.

HI/LO DRIVE SHAFT INSTALLATION FOR MANUAL AND SEMI ELECTRIC BED



5a. the manual and semi electric bed share the same Hi/Lo drive shaft, it comes in 3 sections. Assemble the Hi/Lo drive shaft by inserting the (A) section with push pin into the (B) section with indicators and align with the “Semi” indicator hole. Next extend the (C) section and align with the single hole location opposite the “Semi” indicator hole location.

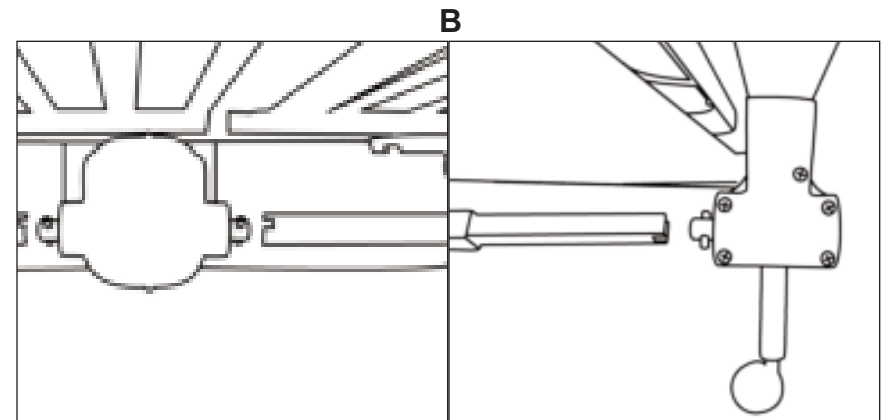
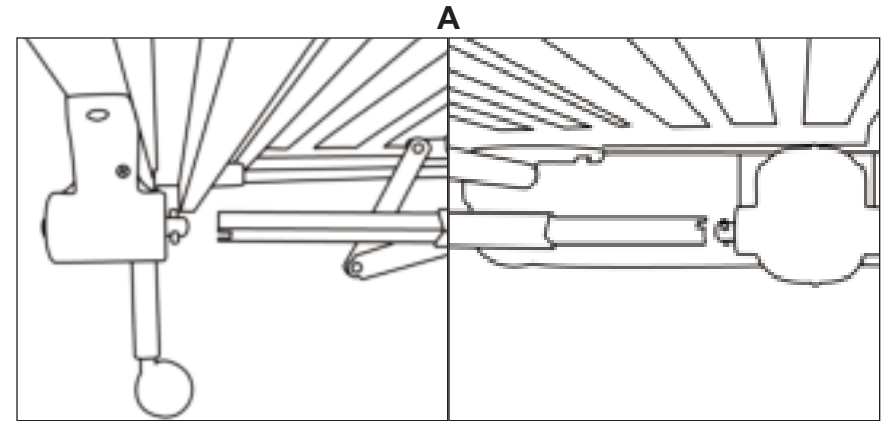


5b. Manual and semi electric bed use a one piece Hi/Low shaft drive, Install the shaft to the foot board and head board of the bed by inserting the spring loaded side of the shaft to the receptacle.

HI/LO DRIVE SHAFT INSTALLATION FOR MANUAL FULL ELECTRIC BED

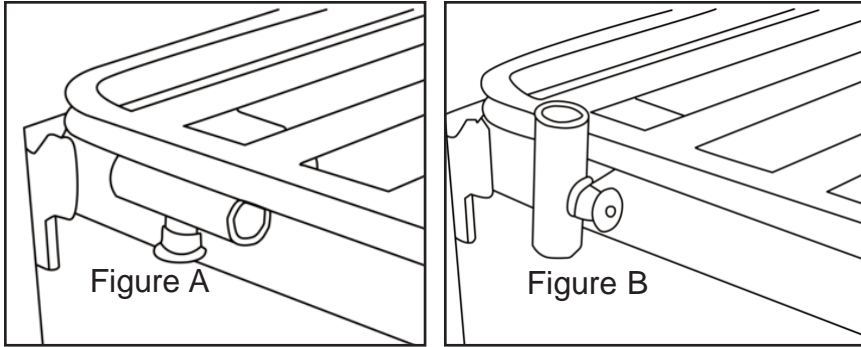


6a. The Hi/Lo drive shaft for full electric bed comes in two sections. The shorter section (A) is for foot section drive and the longer section (B) is for head section drive.

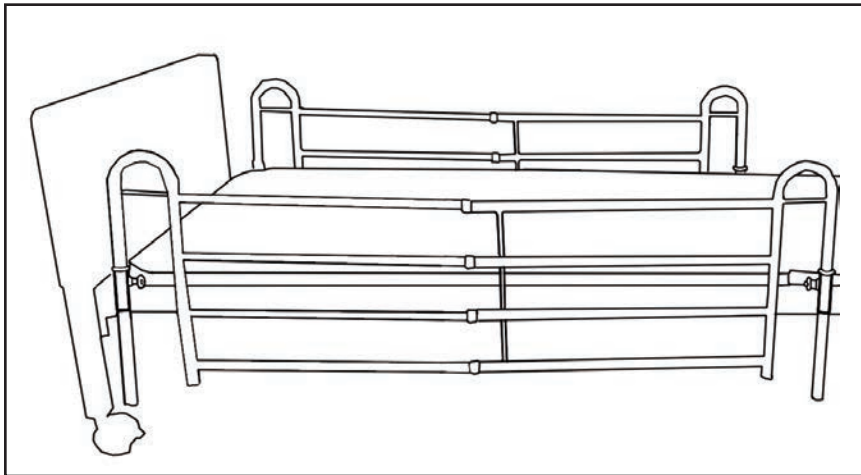


6b. Full electric bed has two separate pieces of Hi/Low drive shaft. Install shaft (A) between the foot board and the Hi/Low motor inserting the spring loaded shaft to the receptacles. Repeat the same from head board to Hi/Low motor with the other (B) drive shaft.

FULL RAIL INSTALLATION

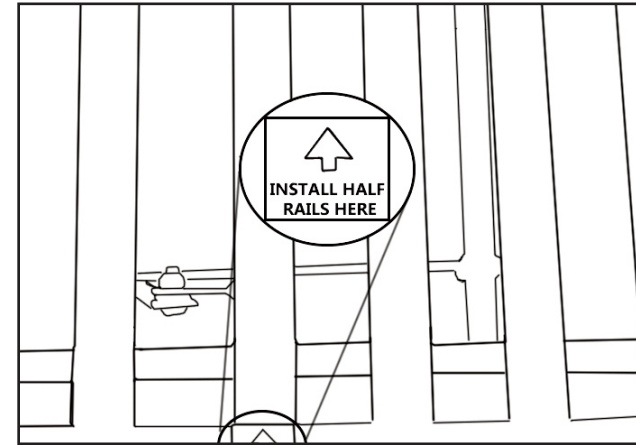


7a. To install Full Bed Rails, lift the head section and find the rail barrel located on the frame of the bed as shown (Figure A). Pull barrel outward and return head section to the flat position. Turn barrel in a vertical position so the ring is at top in order to insert the rail (Figure B). Repeat for all four rail receptacles.

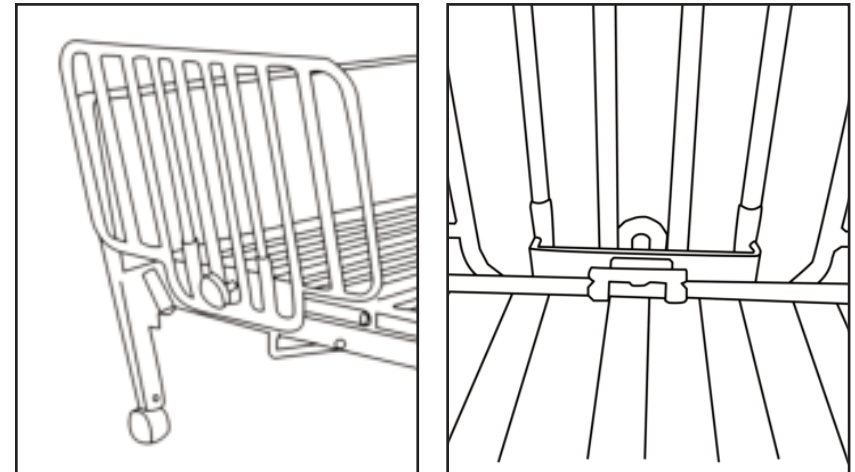


7b. Hold the rail, while pulling the spring loaded knob. Lower or raise the rail to the desired height. Release the knob and lower or raise the rail until the spring loaded knob “clicks” into position (unless the rail is at the lowest position). Repeat steps 1 to 3 for the opposite end of the bed rail. Make sure the head and foot end of the bed are at the same height.

HALF RAIL INSTALLATION



8a. To install Half Bed Rails, locate the head section labeled on the frame marked “Install Half Rails Here”. Align the fixed clamp jaw in front of bed frame rail. Align movable clamp jaw on top of bed frame rail, and turn knob clockwise until clamp is tight, securing safely to bed frame rail.



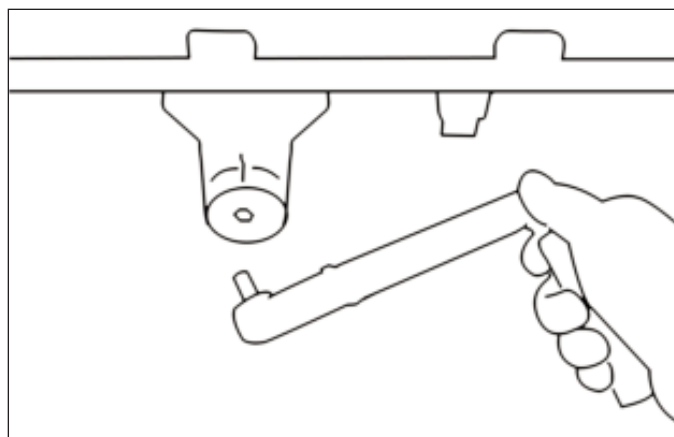
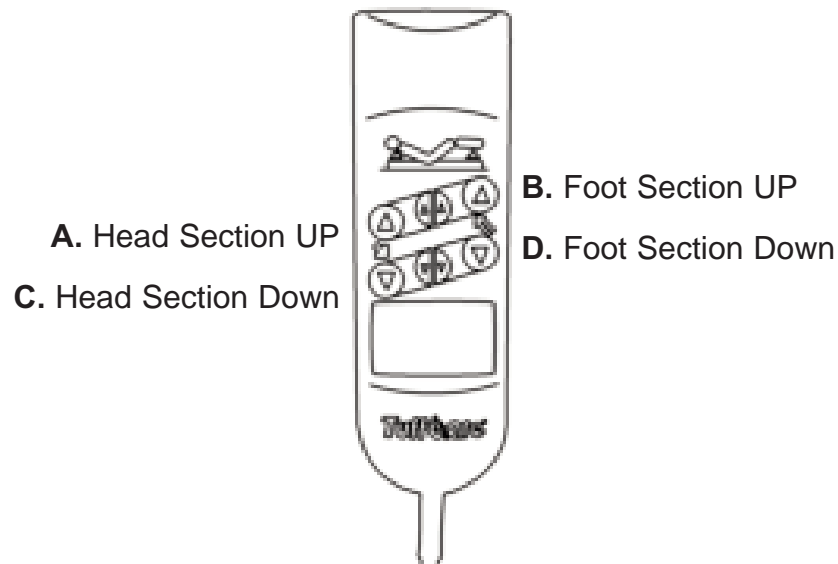
8b. To adjust the half rail height, press the brass push pin and slide out rail to desired width. An audible click will be heard when the rail is locked in position.

Caution: Incorrect mounting may cause injury or death.

OPERATION

PENDANT FUNCTIONS FOR SEMI-ELECTRONIC BED OPERATION.

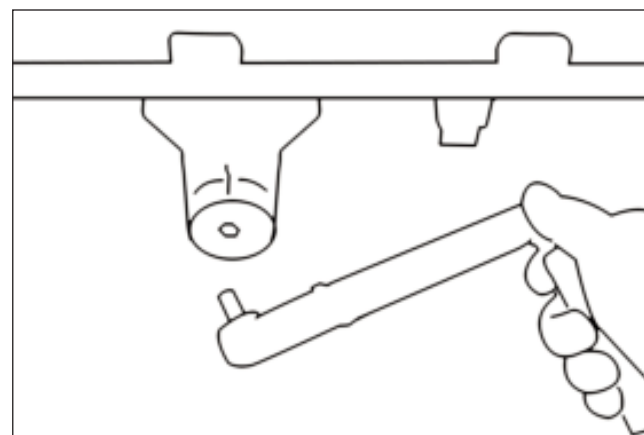
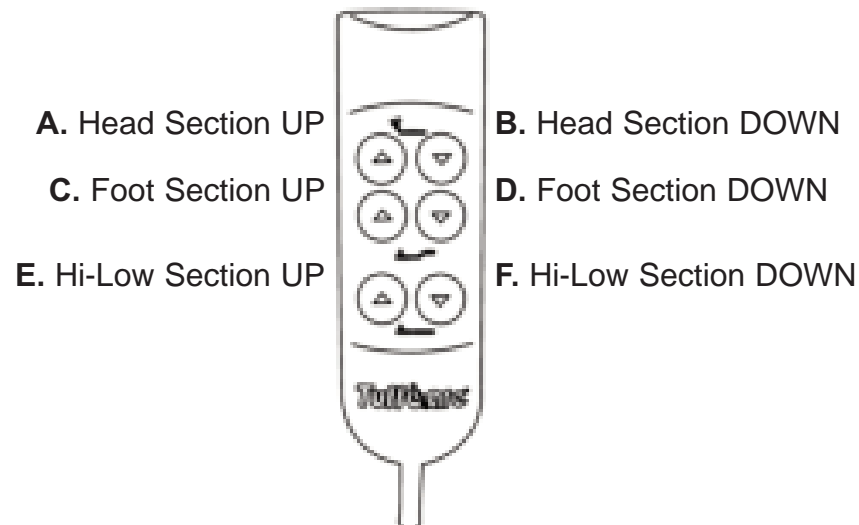
Press indicated buttons to move the bed up and (or) down.



Semi-Electric beds with Hi/Lo operation use a four function pendant to operate both head and foot surface functions. A hand crank is used for bed height adjustment. The Semi-electric beds come with an emergency crank to allow continued operation in the event of a power outage.

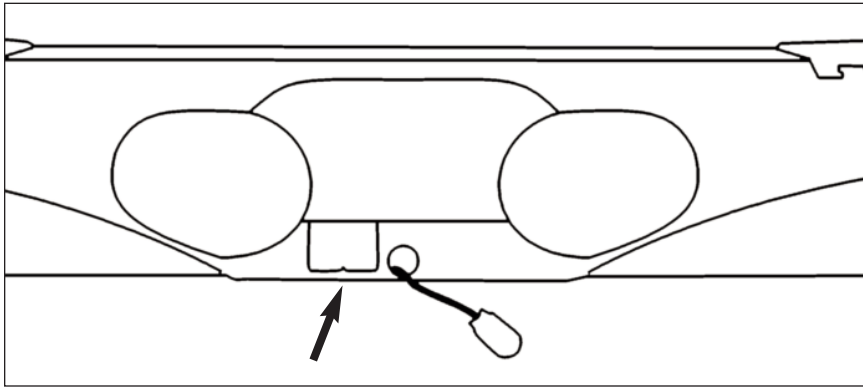
PENDANT FUNCTIONS FOR FULL-ELECTRONIC BED OPERATION.

Press indicated buttons to move the bed up and (or) down.



Full- Electric beds use a six (6) function pendant for all bed operation. Full Electric beds come with an emergency crank to allow continued operation in the event of a power outage.

BATTERY BACKUP



Connect the 9V battery (sold separately) to the battery clip on the motor. It is stored in the recess under the motor cover. With this battery installed, the motor can be operated to return the sleep surface to the horizontal position in the event of a power failure.

⚠ WARNING DO NOT exceed the maximum weight limit of 450 lbs for the bed.

⚠ WARNING Operation of this device with any part of the body in the frame can result in injury. Do not place your arms or head in the frame during operation.

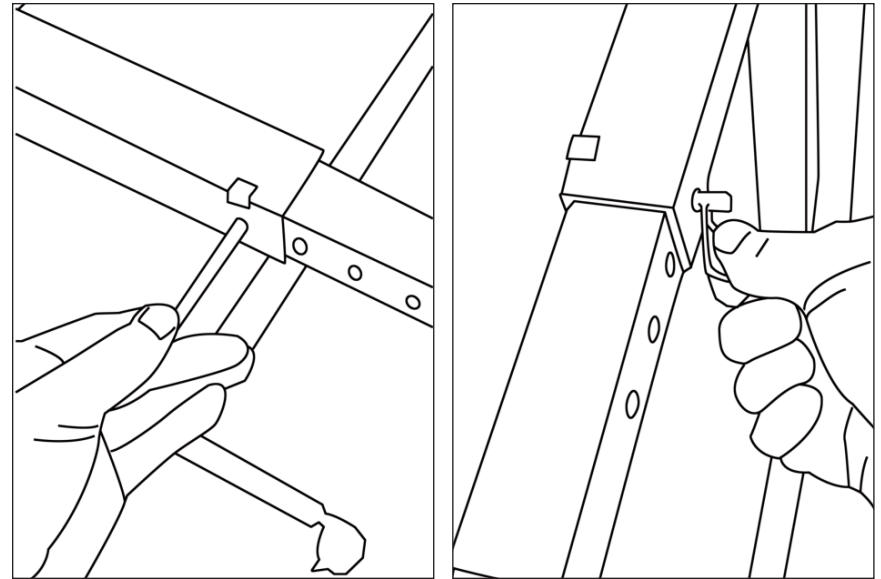
⚠ WARNING Stand clear of device frame before operating.

⚠ WARNING Keep hands and objects away from rotating parts when mechanism is moving.

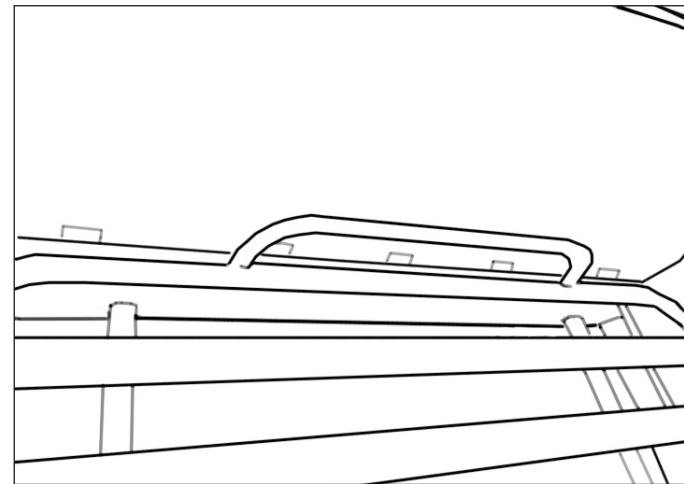
⚠ WARNING Keep hands and fingers away when the bed frame is in motion to avoid pinching.

⚠ WARNING Electrical hazards may occur if the device is plugged into an inadequate electrical outlet. To avoid electrical shock hazards, make sure that the bed is plugged into a grounded 110 Volt outlet. Before operating, make sure casters are in their proper operating positions.

OPTIONAL: FIX HEIGHT ADJUSTMENT W/LOCK PINS



Set the height of the bed so that the hole in the leg is aligned with the hole in the bed end's outer leg. Inset the pin through each of the four legs and install the spring clip on each pin.



Before a mattress is laid on the bed, flip up the mattress guard to reduce the movement of the mattress.

MAINTENANCE

CLEANING THE BED

- The bed can be cleaned with non-abrasive cleaners. Make sure that the wheels are free of hair, lint, and other debris.
- Periodically raise head and foot sections of the bed and wipe dust from frame.
- Periodically remove the mattress and clean the mattress deck.

DETECTING WEAR AND DAMAGE

- Check monthly that all screws are tight and have not loosened, visually check all welds.
- Check monthly for damaged or exposed wires on the electrical components.
- Check all controls to make sure all functions work properly. (Head control, Foot control ,Hi/Lo functions)
- Inspect monthly for signs of cracking, fraying or any deterioration.
- Contact your equipment provider for replacement of any defective parts immediately and ensure that the bed is not used until the repair is completed.

LUBRICATING THE BED

- A light grease lubricant may be applied to the ball bearing and swivel of the casters every three months.
- Lightly grease all actuator screw threads with white lithium grease.

PERFORMING REGULAR MAINTENANCE

- Regular maintenance of the bed and accessories is required to ensure proper operation. The casters and axle bolts are also require check-ups for proper tightness.

LIMITED WARRANTY

The warranty below has been drafted to comply with Federal Law applicable to products manufactured after July 4, 1975. This warranty is extended only to the original purchaser/consumer (or dealer non-consumer who does not buy for resale).

Tuffcare® warrants that it's Century Series Beds will be free from defective workmanship and materials for a period of three (3) years following the date of original purchasing date with the following exceptions: All welds are warranted for the life of the bed. Electronics on the beds are warranted for one (1) year. The warranty period commences on the original purchasing date. If within such warranty period any such product proven to Tuffcare® satisfaction to be defective, such product will be repaired or replaced at Tuffcare® option.

Tuffcare® sole obligation and your exclusive remedy under this warranty shall be limited to such repair and/or replacement. This warranty does not include any labor charges incurred in replacement parts installation. Freight charges to the factory are at the expense of the consumer or seller. Return freight charges will be prepaid by Tuffcare®. For warranty service, please contact the authorized dealer from whom you purchased your Tuffcare® products. In the event that you do not receive satisfactory warranty service, please write directly to Tuffcare®: 4977 La Palma Ave, Anaheim, California, 92807. DO NOT RETURN PRODUCTS WITHOUT PRIOR AUTHORIZATION.

LIMITATIONS AND EXCLUSIONS: The foregoing warranty shall not apply to products subjected to negligence, abuse, misuse, improper operation, improper maintenance, improper storage or damages beyond Tuffcare® control. The evaluation will be solely determined by Tuffcare®. The warranty shall not apply to problems arising from normal wear, or failure to follow instructions, or if parts are not manufactured by Tuffcare®, or do not comply with original equipment specifications that are added to Tuffcare® product.

THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND SHALL NOT EXTEND BEYOND THE DURATION OF THE EXPRESS WARRANTY PROVIDED HEREIN. TUFFCARE® SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES WHATSOEVER.

This warranty gives you specific rights and you may also have other legal rights which vary from state to state. Some states do not allow the exclusion or limitations of incidental or consequential damage, or limitation on how long an implied warranty lasts.