ELECTRIC AND MANUAL BEDS
OWNER'S ASSEMBLY AND OPERATING MANUAL

15300

Full Electric Bariatric Bed

15302

Full Electric Bariatric Bed

15303

Full Electric Bariatric Bed

drive
MEDICAL DESIGN & MANUFACTURING

PACKAGING/HANDLING

UNPACKING

1. Check bed components for any obvious damage to the carton or its contents. If damage is evident, contact your local **DRIVE** dealer.
2. Remove any loose packing from the cartons.
3. Carefully remove all components from the cartons.

CAUTION

DO NOT attempt to operate bed controls prior to completion of assembly as damage to bed components may occur.

The three cartons and contents are as follows;

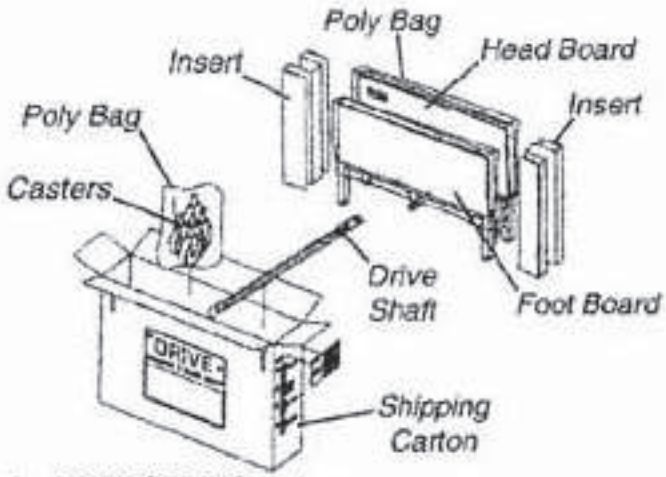
1. BED END carton:

   One (1) HEADBOARD.

   One (1) FOOTBOARD.

   One (1) Drive Shaft Assembly, two-piece.

   Four (4) Casters (two (2) locking and two (2) non locking casters).



2. FOOT SPRING carton:

   One (1) FOOT SPRING (electric beds include pendant, junction box and cord).

   One (1) Emergency crank handle.

   Two (2) Frame Support Assemblies.

3. HEAD SPRING carton:

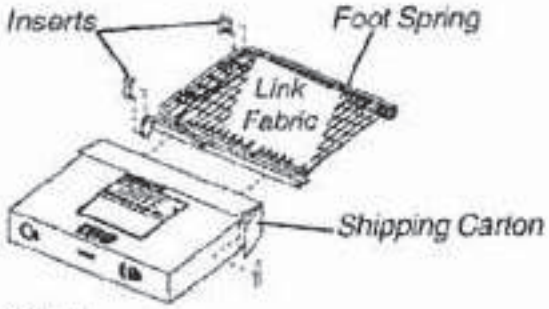
   One (1) HEAD SPRING.

INSPECTION

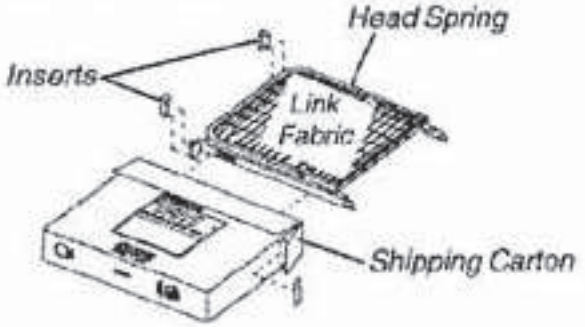
1. Examine each item carefully for scratches, nicks, dents or any other apparent damage.
2. Inspect the power supply cord for cuts or damage to the cord and/or plug.
3. Inspect the junction box for any damage to the connectors.
4. Ensure that the motor plugs are in good working order and fit properly into the junction box.

STORAGE

1. If bed is not to be assembled immediately, retain the cartons and packaging for storage until assembly is to be performed.
2. Store the repackaged bariatric bed in a dry area.
3. DO NOT place other objects on top of the repackaged cartons.



NOT Shown:
Junction Box w/ Cord
Pendant
Emergency Crank Handle



This Procedure Includes the following:

Connecting the Head/Foot Sections
Connecting the Spring Fabric
Adjusting and Reconnecting the Head Spring Pull Tube
Raising the Bed Ends
Assembling the Bed Ends
Installing the Casters
Installing Frame Support Assemblies
Drive Shaft Assembly and Installation
Connecting the Head End Motor to the Junction Box
Activating the Bed Functions

CAUTION

DO NOT attempt to operate bed controls prior to completion of assembly as damage to bed components or personal injury may occur.

Bariatric Bed ONLY (FIGURE 2)

NOTE: **DRIVE** *recommends that two (2) people perform this procedure.*

1. Remove the head end section of the bed from the packaged container and place it on its side to your RIGHT with the center mounting latches to your LEFT.
2. Remove the foot end section of the bed from the packaged container and place it on its side to your LEFT with the center mounting rivets facing to your RIGHT.
3. The bed end section with two (2) motor assemblies (FOOT end section) should be to your LEFT and the bed end section with one (1) motor assembly (HEAD end section) should be to your RIGHT.
4. The head and foot end sections of the bed should now be on their side at a 130° angle to one another.

NOTE: Before connecting the head and foot end sections, make sure the pull tube on the foot end section is positioned on the underside of the pan deck on the head end section.

CAUTION

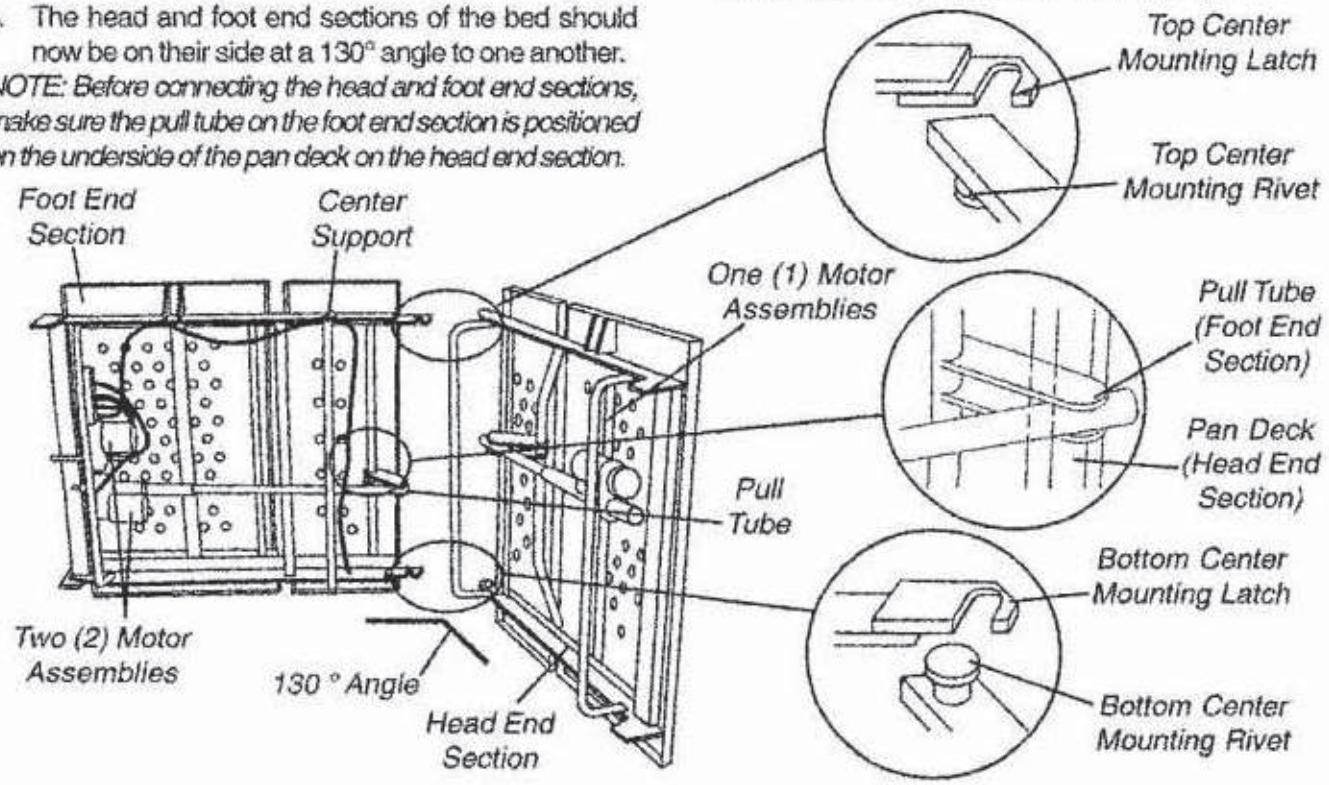
When assembling the head and foot end sections of the bed, the head end section of the bed should be positioned so that it is at a 130° angle to the foot end section of the bed. Otherwise, the pull tube on the foot end section of the bed will not clear the pan deck of the head end section of the bed and damage may result.

5. Hook the TOP center mounting latch on the HEAD end section of the bed with the TOP center mounting rivet on the FOOT end section of the bed.
6. With one (1) person holding the TOP of the bed together, have the other person hook the BOTTOM center mounting latch on the HEAD end section of the bed with the BOTTOM center mounting rivet on the FOOT end section of the bed.

NOTE: It may be necessary to grasp the center support of the foot end section of the bed so that the BOTTOM center rivet can be maneuvered into the BOTTOM center mounting latch.

NOTE: It may be necessary to slightly lift the head OR foot end sections of the bed to secure the center rivets into the center mounting latches.

7. After the head and foot end sections of the bed are connected, push the ends into a horizontal (straight) position while still on their sides.



RAISING THE BED ENDS (FIGURE 5)

1. The bed legs must now be raised 1/4-inch (.6 cm). This can be accomplished by inserting the manual crank into the foot end gear box receptacle and turning clockwise until the bed end is at the correct height.
2. Insert the crank into the head end receptacle and raise the head end to the correct height.

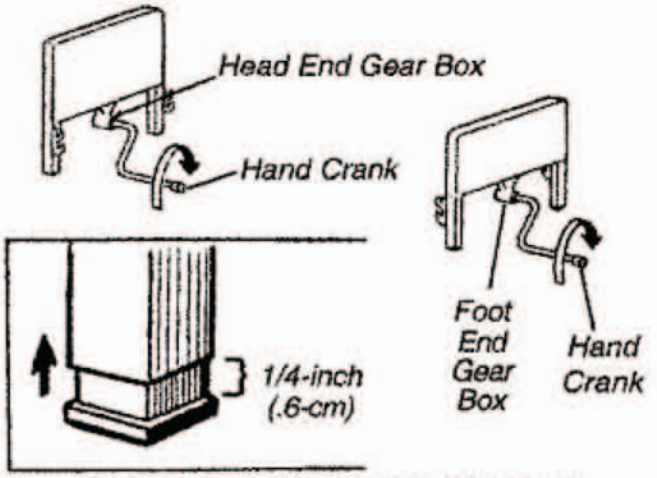


FIGURE 5 - RAISING THE BED ENDS

NOTE: The following procedure applies to ALL beds.

NOTE: ***Drive*** *recommends that two (2) people perform this procedure for the Bariatric Bed.*

NOTE: When connecting the bed ends (headboard and footboard), remember that the headboard is the taller of the two.

1. Stand the headboard as close to the head spring as possible.

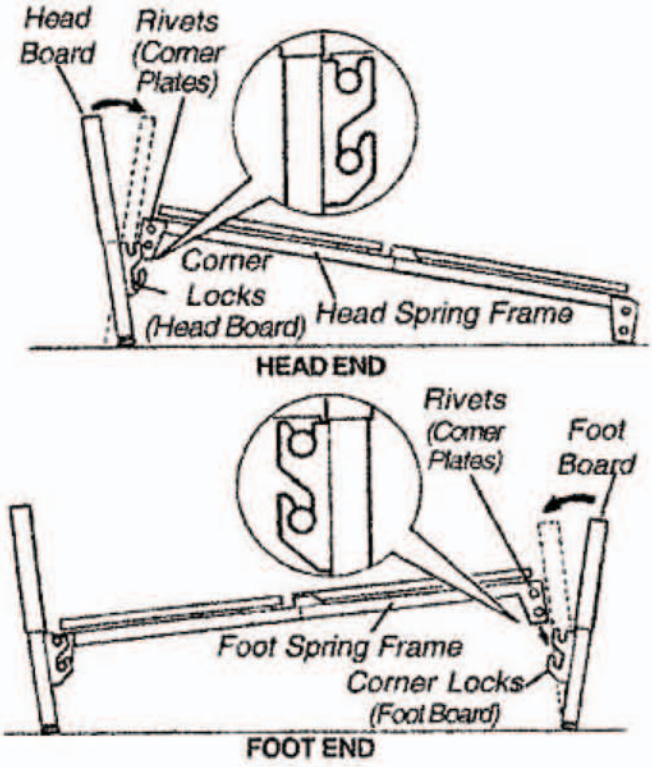


FIGURE 6 - ASSEMBLING THE BED ENDS

2. With one hand, grasp the head spring frame and raise it until the rivets on the corner plates of the spring are at the correct height to fit into the corner locks on the headboard.
3. Tilt the headboard backward slightly and the rivets should slide into the corner locks more easily.
4. When the headboard is returned to its full upright position, the headboard will lock into place.
5. Repeat the same procedure for the footboard.

WARNING

The proper casters are provided with the Bariatric Bed. DO NOT use any other casters with the Bariatric Bed. Otherwise, injury or damage may result.

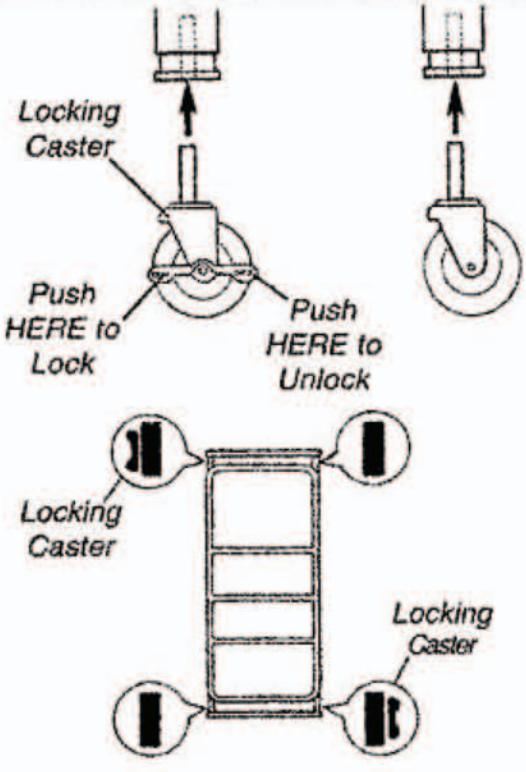
NOTE: Position the two (2) locking casters diagonally opposite from one another.

NOTE: If two (2) locking casters are NOT included with the bed, contact a qualified dealer.

1. Install casters by carefully lifting the bed ends approximately 5-inches (12.7 cm) from the floor and insert the shaft of caster assembly into the caster socket.
2. To prevent excess movement of the bed, lock each of the two (2) locking casters by pushing DOWN on the side of the caster lock that is labeled ON.

NOTE: Locking the casters may NOT prevent the bed from moving on slick or slippery surfaces.

3. To unlock each of the two (2) locking casters, push DOWN on the side of the caster lock that is labeled OFF.



INSTALLING FRAME SUPPORT ASSEMBLIES

WARNING

The frame support assemblies MUST be securely fastened to the bed frame BEFORE use. Otherwise, injury or damage may result.

NOTE: Two (2) people are required when performing this procedure.

1. Unfold one (1) frame support assembly so that the center mounting bracket is in the middle and the two (2) side support mounting brackets are on either side (DETAIL "A").
2. Position the LARGE mounting hole on one (1) side of the support mounting bracket over the rivet near the HEAD end section of the bed.
3. Pull the frame support assembly toward the FOOT end section of the bed until the rivet near the HEAD end section of the bed slides into the SMALL mounting hole in the side support bracket.
4. While performing STEP 3, position the LARGE mounting hole in the opposite frame support bracket over the rivet near the FOOT end section of the bed.
5. Allow the frame support assembly to hang from the two (2) rivets.

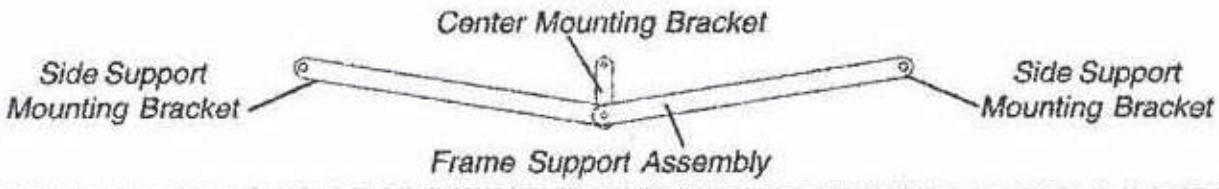
NOTE: Make sure the two (2) rivets on either side of the bed are positioned in the two (2) SMALL mounting holes in the frame support assemblies.

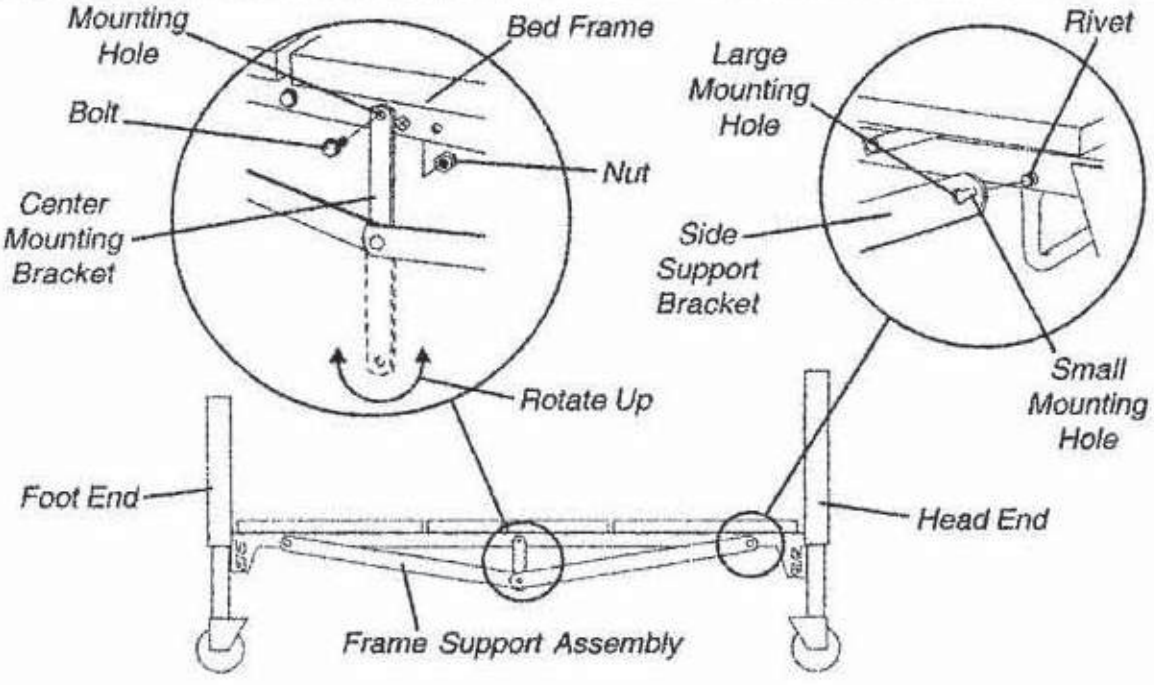
6. Rotate the center mounting bracket until the mounting hole aligns with the mounting hole in the side of the bed frame.

NOTE: It may be necessary to lift up on the side of the bed frame so that the mounting holes in the center mounting bracket align with the mounting holes in the bed frame assembly.

7. Install the bolt through the mounting hole in the center mounting bracket and through the mounting hole in the bed frame assembly. Securely tighten with the bolt.
8. Repeat STEPS 1-7 for the opposite frame support assembly.

DETAIL "A"

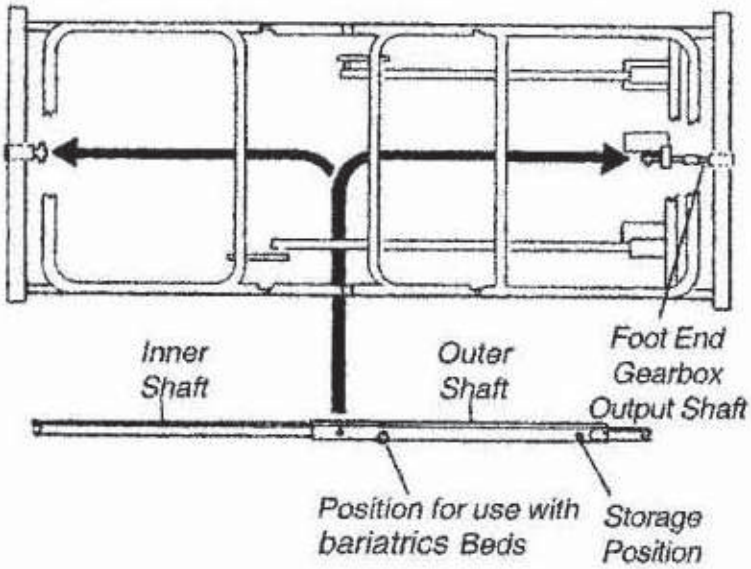


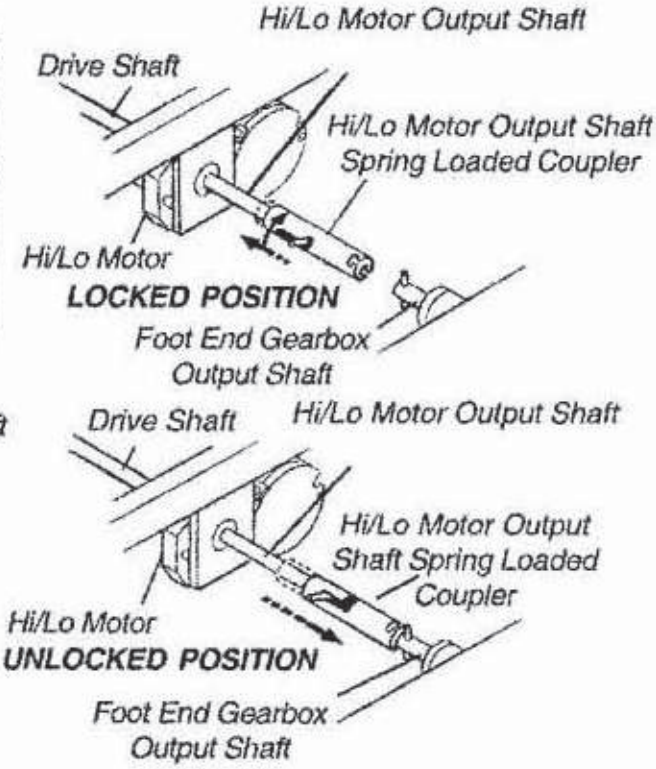


DRIVE SHAFT ASSEMBLY AND INSTALLATION

The drive shaft is composed of two (2) sections. The inner shaft which has a positioning spring button, and the outer shaft, which has two (2) positioning holes and one (1) storage position hole. Together they make the telescoping drive shaft used on the bariatrics beds.

1. Remove the plastic caps from each end of the drive rod.
2. Depress spring button on the inner shaft and insert the inner shaft into the outer shaft.
3. Slide the inner shaft to the desired position for the type of bed being used and engage the spring button into the proper positioning hole.
4. Engage the spring button in to the positioning hole in the outer shaft.
6. Connect the drive shaft to the bed by attaching either end of the drive shaft to the head end gear box.
7. Connect the other end to the Hi/Lo motor output shaft and then connect the foot end gearbox output shaft to the Hi/Lo motor output shaft spring-loaded coupler.
8. Release the drive shaft spring-loaded coupler by pushing in against the spring-loaded coupler and turn it clockwise.
9. Locate the Hi/Lo motor output shaft spring-loaded coupler.
10. Release the Hi/Lo motor output shaft spring-loaded coupler to properly it connect with the foot end gear box output shaft by pushing in against the Hi/Lo motor output shaft spring-loaded coupler and turning it clockwise.
11. The coupling will release and engage the foot end output shaft.
12. Ensure that all components are securely installed.





CONNECTING THE HEAD END MOTOR TO THE JUNCTION BOX

WARNING

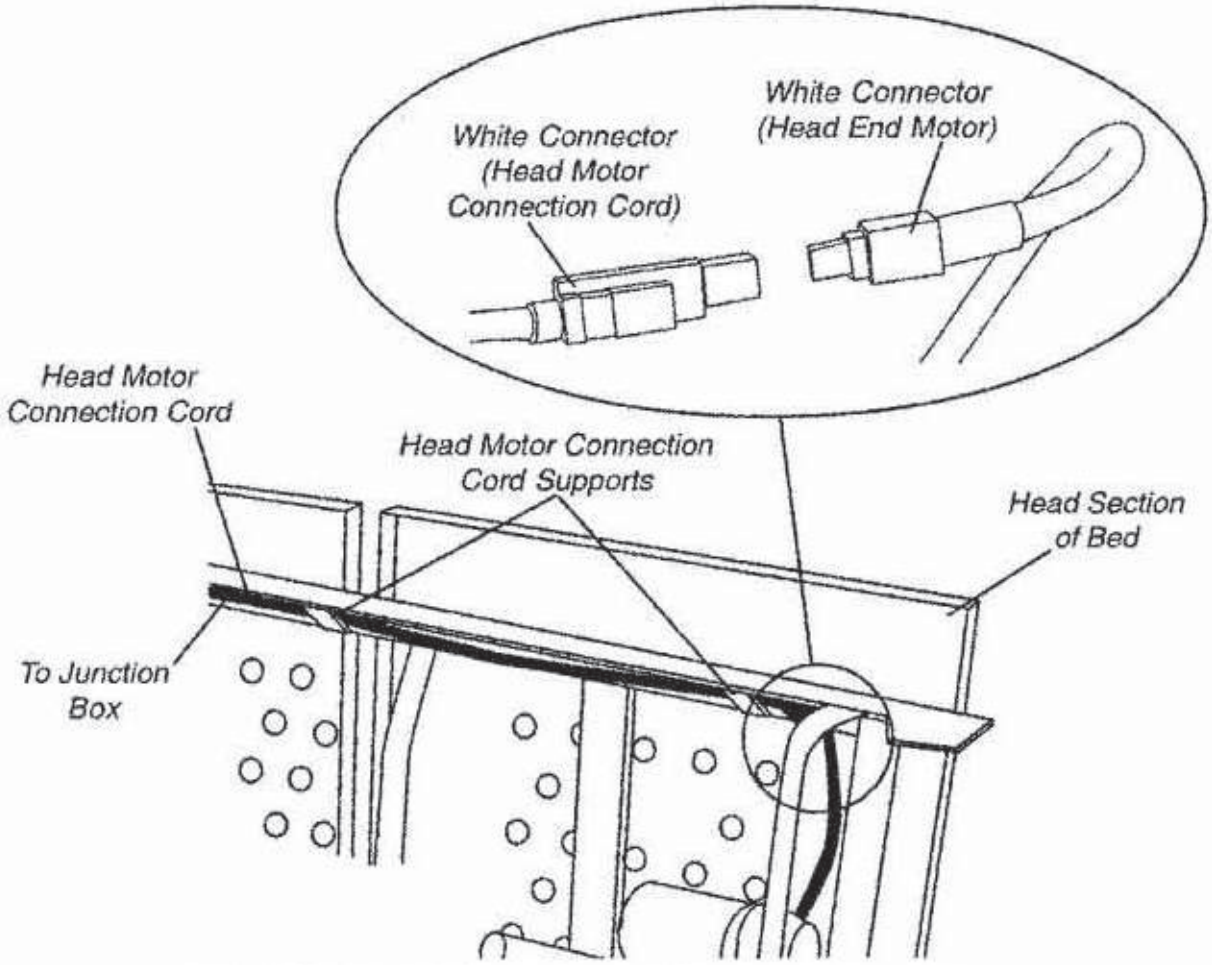
The head motor connection cord MUST be properly positioned in the four (4) head motor connection cord supports on the underside of the bed frame BEFORE use. Otherwise, injury or damage may result.

NOTE: To disconnect the head end motor from the junction box, reverse the following steps.

1. Locate the head motor connection cord that connects the junction box to the head end motor.

NOTE: The Bariatric Bed is shipped with the head motor connection cord positioned in the head motor connection cord supports on the foot end section of the bed.

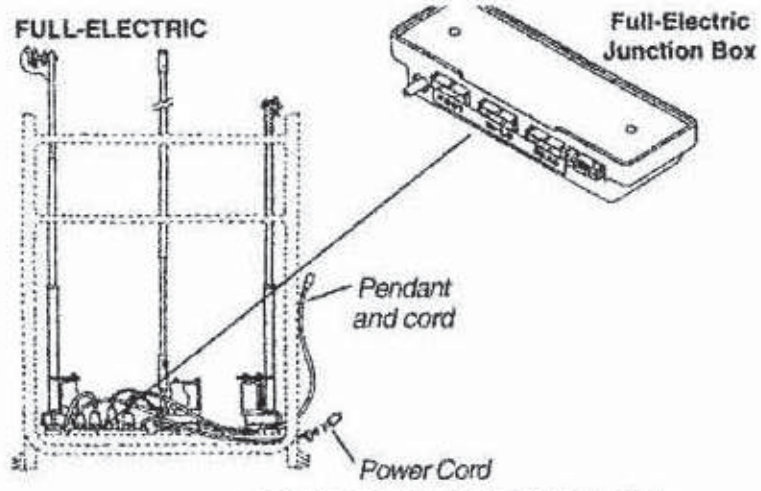
2. Locate the two (2) head motor connection cord supports on the head end section of the bed.
3. Feed the head motor connection cord through the two (2) head motor connection cord supports.
4. Connect the WHITE connector of the head motor connection cord to the WHITE connector of the head end motor.



CONNECTING THE HEAD END MOTOR TO THE JUNCTION BOX

ACTIVATING THE BED FUNCTIONS

1. Recheck all electrical connections on junction box at foot end ensuring that all motors are plugged into the correct locations.
2. Plug the junction box cord into a properly grounded 110-volt, 60 cycle outlet.



ACTIVATING THE BED FUNCTIONS

INSTALLING/REMOVING CONNECTORS INTO/FROM THE JUNCTION BOX

Installing

WARNING

Before installing the connector into the junction box, be sure the locking tab is facing DOWNWARD - otherwise, injury or damage may occur.

1. Grasp the connector and position it so the locking tab is facing DOWNWARD (FIGURE 1).

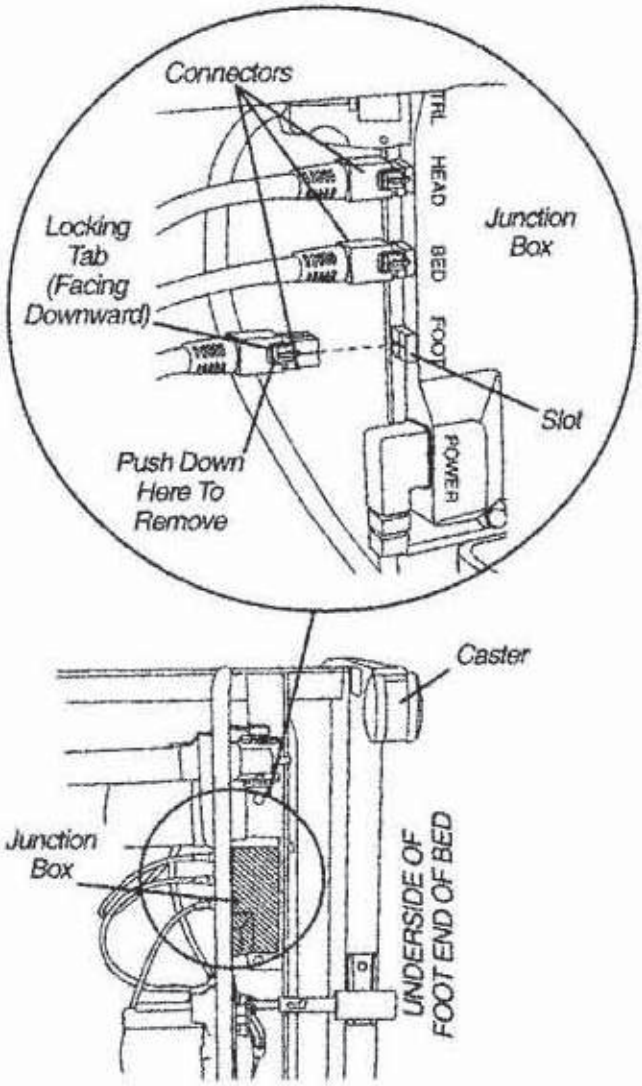
WARNING

DO NOT force the connector into the junction box, otherwise - injury or damage may occur.

2. Gently, push the connector into the appropriate slot on the junction box until it locks into place and an audible "click" is heard (FIGURE 1).
3. If the connector DOES NOT slide easily into the slot on the junction box, check to make sure the locking tab is facing DOWNWARD and repeat STEP 2.

Removing

1. Push down on the end of the locking tab on the connector.
2. While performing STEP 1, pull the connector away from the junction box.



INSTALLING/REMOVING CONNECTORS INTO/FROM THE JUNCTION BOX

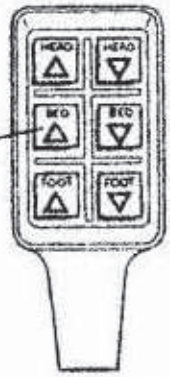
BARIATRIC BED OPERATION

1. The accompanying pictures detail the bariatric beds and will acquaint the user with the bed functions and controls.
2. Operate the bed through all phases of its operation.
3. If any problems arise during test, recheck all electrical connections and mechanical hook ups.
4. Bariatrics beds use a six (6) function pendant for all bed operation.
5. All Bariatrics beds come with an emergency crank to allow continued operation in the event of a power outage.

Raising and Lowering the Entire Bed

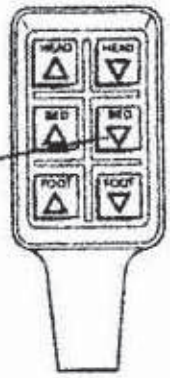
TO RAISE ENTIRE BED

Depress button "BED" "UP" as shown on pendant control. This will raise the entire height of the bed.



TO LOWER ENTIRE BED

Depress button "BED" "DOWN" as shown on pendant control. This will lower the entire height of the bed.

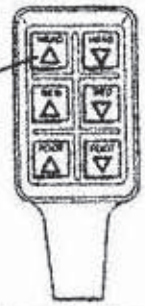


RAISING AND LOWERING THE ENTIRE

Raising and Lowering the Head and Foot Sections

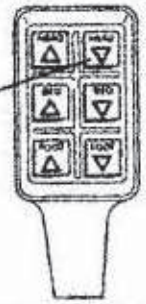
TO RAISE THE HEAD SPRING SECTION

Depress button "HEAD UP" as shown on pendant control. This will raise the head portion of the bed ONLY.



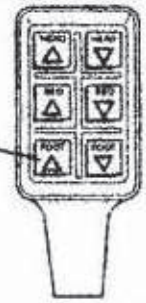
TO LOWER THE HEAD SPRING SECTION

Depress button "HEAD DOWN" as shown on pendant control. This will lower the head portion of the bed ONLY.



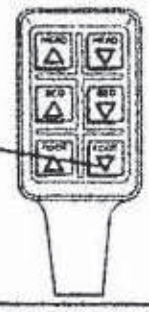
TO RAISE THE FOOT SPRING SECTION

Depress button "FOOT UP" as shown on pendant control. This will raise the foot portion of the bed ONLY.



TO LOWER THE FOOT SPRING SECTION

Depress button "FOOT DOWN " as shown on pendant control. This will lower the foot portion of the bed ONLY.



RAISING AND LOWERING THE HEAD AND FOOT SECTIONS

MAINTENANCE AND SAFETY CHECKS

Drive recommends the following maintenance and cleaning procedures be conducted between users.

ELECTRONICS

- Check all controls to make sure all functions work properly.
  - Foot control
  - Head control
  - Hi/LO
- Check all cables for damaged or frayed wires.
  - Power cord
  - Pendant cord
- Check to make sure all plugs are fully inserted or attached.

Bed frame and sleeping surface

- Visually check all welds
  - Head section
  - Foot section
  - Main Frame
- Check joints between sleeping surface sections for loose fasteners.

Cleaning

- The metal parts of the bed are covered with a powder coating. Clean all coated parts with mild detergent and warm water. Periodically raise head and feet sections of the bed and remove dust from frame. Also, periodically remove mattress and clean mattress deck.

Lubrication and Mechanical

- Lightly grease all actuator screw threads with white lithium grease.
- Lubricate all caster roller and swivel bearings with light machine oil.
- Check all bolts and tighten as needed.

WARRANTY