MAINTENANCE MANUAL

The GO BED™
ELECTRIC ACUTE CARE BED
Product Number: FL17E
Product Number for the United States: 2500

TECHNICAL ASSISTANCE AND PARTS
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1 800 361-2040 (Service in French in Canada)
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Manufactured by Stryker Bertec Medical Inc

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NOTE
Stryker Bertec gives special attention to the quality of the information found in this document. Any comments on its content will be most welcomed. Please forward your remarks to our Technical Service department (see section 1.2).
Chapter 1

1. INTRODUCTION

This maintenance manual is designed to assist you with the servicing of the GO BED. Before servicing the bed, it is important to read and understand all information in this manual. Qualified maintenance personnel should be able to refer to this manual at all time when servicing the bed. An operations manual, included in the Customer’s Guide, is also available to assist you with the operation of the bed. This maintenance manual is an integral part of the unit and should be turned over to the new user should the bed be sold or transferred.

1.1 BED SPECIFICATIONS *

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Weight Capacity</td>
<td>500 lb including 100 lb of boards and accessories 227 kg including 45.5 kg of boards and accessories</td>
</tr>
<tr>
<td>Overall Bed Length/Width - Steel Side-rails</td>
<td>93” x 41 9/16” (steel side-rails up) 93” x 38 3/8” (steel side-rails down) 236.2 cm x 105.5 cm (steel side-rails up) 236.2 cm x 97.5 cm (steel side-rails down)</td>
</tr>
<tr>
<td>Overall Bed Length/Width - Plastic side-rails</td>
<td>93” x 42 9/16” (plastic side-rails up) 93” x 38 3/4” (plastic side-rails down) 236.2 cm x 108.1 cm (plastic side-rails up) 236.2 cm x 98.4 cm (plastic side-rails down)</td>
</tr>
<tr>
<td>Overall Weight (w/o boards and accessories)</td>
<td>385 lb - 175 kg</td>
</tr>
<tr>
<td>Patient Sleeping Surface</td>
<td>35” x 80” extendable to 82” and 84” 89 cm x 203 cm extendable to 208 cm and 213 cm</td>
</tr>
<tr>
<td>Minimum/Maximum Bed Height</td>
<td>14” to 29” - 35.5 cm to 74.7 cm</td>
</tr>
<tr>
<td>Sound Level</td>
<td>&lt; 58 dBA</td>
</tr>
<tr>
<td>Fowler Angle</td>
<td>0° to 65°</td>
</tr>
<tr>
<td>Knee Gatch w/o Contour Positioning</td>
<td>0° to 32°</td>
</tr>
<tr>
<td>Knee Gatch w/Contour Positioning</td>
<td>0° to 24°</td>
</tr>
<tr>
<td>Trendelenburg/Reverse Trendelenburg</td>
<td>-14° to +14°</td>
</tr>
<tr>
<td>Electrical Requirements - All electrical</td>
<td>100 VAC, 50-60 Hz, 7.5 A 120 VAC, 50-60 Hz, 9.8 A w/o outlet 120 VAC, 50-60 Hz, 14.8 A w/outlet 200 VAC, 50-60 Hz, 3.2 A 220 VAC, 50-60 Hz, 2.9 A 240 VAC, 50-60 Hz, 2.7 A</td>
</tr>
<tr>
<td>requirements meet the CSA standard C22.2 No 125</td>
<td>125 and UL 544 specifications for Class 2G</td>
</tr>
</tbody>
</table>

* Stryker Bertec Medical affords special attention to product improvement and reserve the right to change specifications without notice.

1.2 TECHNICAL SUPPORT

For questions regarding this product, contact one of the following Technical Service department or your local representative:

**In Canada:**
Stryker Bertec Medical Inc
Service in English: 1 800 428-5025
Service in French: 1 800 361-2040
E-mail (Canada): service@bertec.strykercorp.com
70, 5th Avenue, P.O. Box 128
L’Islet (Québec), G0R 2C0, Canada

**In the United States:**
Stryker Medical
1 800 327-0770
6300, Sprinkle Road
Kalamazoo, MI 49001-9799
USA
# 1.3 SAFETY

## Warning / Caution / Note Definition

The words WARNING, CAUTION and NOTE carry special meanings and should be carefully reviewed.

### WARNING

The personal safety of the patient or user may be involved. Disregarding this information could result in injury to the patient or user.

### CAUTION

These instructions point out special procedures or precautions that must be followed to avoid damaging the equipment.

### NOTE

Notes provides special information to make maintenance easier or important instruction clearer.

## Safety Tips and Guidelines

The following is a list of safety precautions that must be observed when operating or servicing the GO BED. They are repeated throughout the guide, where applicable. Carefully read and strictly follow them before operating or servicing this unit.

### WARNING

- The GO BED is not intended for pediatric use.
- It is important that all users have been trained and educated on the inherent hazards associated with the use of manual and electric beds. Bed mechanisms can cause serious injury to the patient or user. Operate bed only when all people are clear of the mechanisms.
- This bed is equipped with a hospital grade plug for protection against shock hazard. It must be plugged directly into a properly grounded receptacle. Grounding reliability can be achieved only when a hospital grade receptacle is used.
- Possible fire hazard exists when this bed is used with oxygen administering equipment other than nasal, mask type or half bed-length tent type. It is recommended to disconnect the bed in such circumstances. When using a half bed-length tent type, ensure the side-rails are outside the oxygen tent and oxygen tent should not extend below the mattress support level.
- Always keep the caster brakes applied when a patient is on the bed (except during transport). Serious injury could result if the bed moves while a patient is getting in or out of bed. After the brake pedal is applied, push on the bed to ensure the wheels are locked.
- To help reduce the number and severity of falls by patients, always leave the bed in the lowest position and side-rails fully up when the patient is unattended. After raising a side-rail, pull firmly on the side-rail to ensure it is securely locked into position.
- Always keep side-rails in the fully raised position and the sleeping surface horizontal in its lowest position when the patient is sleeping unless the patient's medical conditions dictates otherwise. If the sleeping surface is not in a horizontal position and the bed is equipped with half-length side-rails, it is strongly recommended that only the head side-rails be kept in their highest position and the foot side-rails be stored on the side of the bed to avoid the risks of a patient becoming caught between the two side-rail sections.
• Side-rails, with or without their padded covers or nets, are not intended to serve as restraint devices to keep patient from exiting the bed. Side-rails are designed to keep a patient from inadvertently rolling off the bed. It is the responsibility of the attending medical personnel to determine the degree of restraint necessary to ensure a patient will remain safely in bed. Failure to utilize the side-rails properly could result in serious patient injury.

• When a patient's condition requires greater safety measures for his security, use the lockout switches in the foot board control panel to deactivate the side-rail or pendant control commands and install protective pads on the side-rails.

• When the sleeping surface sections are articulated, ensure that all spaces created by the raised side-rails are clear in order to avoid the patient's limb becoming trapped between side-rails or between side-rails and boards.

• When moving the bed with a patient in it, ensure that the bed is in the lowest position with side-rails fully raised and securely locked in order to reduce risks of injuries to the patient.

• Do not attempt to move the bed directly sideways with the 5th wheel activated. The 5th wheel can not pivot. Attempting to do so may cause injury to the patient or user.

• The instant CPR release is for emergency use only. When activating the CPR release, all people and equipment must be removed from the area below and around the head and foot sections of the bed or serious personal injury or damage to equipment could occur.

• When large fluid spills occur in the area of the circuit board, cables and motors, immediately unplug the bed. Remove the patient from the bed and clean up the fluid. Have maintenance completely check the bed. Fluids can have an adverse effect on operational capabilities of any electrical product. **DO NOT** put the bed back into service until it is completely dried and has been thoroughly tested for safe operation.

• Do not steam clean, hose off or ultrasonically clean the bed. Do not immerse any part of the bed. The internal electrical parts may be damaged by exposure to water. Hand wash regularly all surfaces of the bed with warm water and a mild detergent. Wipe cleaned surfaces dry to avoid build up of cleaning substance. Inspect the mattress after each use. Discontinue use if any cracks or rips are found in the mattress cover which may allow fluid to enter the mattress. Failure to properly clean the mattress, or dispose of it if defective, may increase the risk of exposure to pathogenic substances and may cause injury to the patient or user.

• Always unplug the bed power cord from the wall outlet when cleaning or servicing the bed. When working under the bed with the bed in the high position, always place blocks under the frame and lock the casters to prevent injury in case the Bed Down switch is accidentally pressed.

• When using the emergency crank during a power failure, unplug the power cord from the wall receptacle so that unexpected resumption of power will not rotate handle. Remove and store the crank before reconnecting the bed.

---

**CAUTION**

• Ensure that any bed malfunction is promptly reported to service personnel for immediate attention. Preventive maintenance should be performed periodically to ensure all bed features are functioning properly.

• Never move the bed using the raised side-rails nor hit the side-rails against any object found in the room, for example: other furniture, walls, door frame, etc. Damage to the equipment could result from such actions. Use the push/pull handles integrated on the head and foot boards to move the bed, they provide a solid grip when moving the bed.
Static Discharge Precautions
The electronic circuits of the bed are protected from static electricity damage only while the bed is assembled. It is extremely important that all service personnel always use adequate static protection when servicing the electronic components of the bed.

Static Protection Equipment
The necessary equipment for a proper static protection is:

- 1 static wrist strap
- 1 grounding plug
- 1 test lead with a banana plug on one end and a alligator clip on the other.

Static Protection Procedure
1. Unplug the bed power cord from the wall receptacle.
2. Insert the grounding plug into a properly grounded hospital grade wall receptacle. Plug the banana plug of the test lead into the receptacle on the grounding plug. Connect the alligator clip on the other end of the test lead to a ground point on the bed.
3. Place the static control wrist strap on your wrist. Connect the clip at the other end of the wrist strap cord to a ground point on the bed.

1.4 WARRANTY

Limited Warranty
All Stryker Bertec products are guaranteed against material or manufacturing defects, improper operation of mechanisms, and premature wear of bed components under normal use conditions.

For questions regarding warranty, please contact Stryker Bertec Technical Service department (see section 1.2) or your local representative.

To Obtain Service and/or Parts

NOTE
Throughout this maintenance guide, the words "right" and "left" refer to the right and left sides of a patient lying face up on the bed.

To Require Service
To obtain the service of a Stryker Field Service Representative for an on-site diagnosis and/or repair of a bed malfunction, contact the Stryker Bertec Technical Service department or your local representative.
To Order Parts

In order to correctly identify and order parts to be replaced, proceed as follows:

- Once you have established the nature of the problem, locate the serial number plate (fig. 1.4) and the manufacturer's nameplate (fig. 1.4) affixed respectively on the right side of the mobile frame at the foot end of the bed, and on the right side of the head end casing cover.

- Write down the serial number, the production number (e.g. FL17-XXXX) and the bed model (manufacturer's nameplate). Make sure that the bed is indeed a Stryker Bertec bed. At first glance, beds manufactured by other companies may resemble ours.

- Locate the Parts Manual or Customer's Guide (containing the Parts Lists needed) number on the manufacturer's nameplate and refer to its drawings and part lists to identify the defective part. Write down the name of the part and its part number. Also write down the problem encountered while using the equipment.

**NOTE**
It is very important that you refer to the Customer's Guide drawings and part lists that are specific to the bed needing repair.

- Contact Stryker Bertec Technical Service department (see section 1.2) or your local representative and provide all the previously noted information.
  - Bed model
  - Serial number and production number
  - Name and part number of the defective part
  - Problem encountered

**NOTE**
We will do our best to help you identify the parts to be replaced. However, if an error occurs when ordering, the user remains responsible for identifying parts to change. Stryker Bertec will take back wrong parts ordered but will not assume shipping charges and restocking fees will be charged to the user unless a Technical Service representative has been requested for an on-site diagnosis of the malfunction.
Return Authorization
Merchandise cannot be returned without approval from the Stryker Bertec Technical Service department. An authorization number will be provided, which must be clearly printed on the returned merchandise. Stryker Bertec reserves the right to charge shipping and restocking fees on returned items.

Damaged Merchandise
Claims for damaged merchandise must be made with the carrier within fifteen (15) days of receipt of merchandise. DO NOT ACCEPT DAMAGED SHIPMENTS UNLESS SUCH DAMAGE IS NOTED ON THE DELIVERY RECEIPT AT THE TIME OF RECEIPT. Upon prompt notification, Stryker Bertec will file a freight claim with the appropriate carrier for damages incurred. Claims will be limited in amount to the actual replacement cost. In the event that this information is not received by Stryker Bertec within the fifteen (15) days period following the delivery of the merchandise, or the damage was not noted on the delivery notice at the time of receipt, the customer will be responsible for payment of the original invoice in full.
Claims for any short shipment must be made within 5 days of invoice.

1.5 SET-UP PROCEDURES

Checklist
It is important to ensure that the bed is working properly before it is put into service. The following list will help ensure that each part of the bed is tested.

- Install the foot and head boards on the bed. Insert the foot board carefully so that the board connector connects smoothly to the foot end casing connector.
- Plug the power cord into a properly grounded hospital grade wall receptacle and ensure that the Power LED light at the foot end of the bed comes on when the "On/Off" switch is turned on.

WARNING
The bed is equipped with a hospital grade plug for protection against shock hazard. It must be plugged directly into a properly grounded receptacle. Grounding reliability can be achieved only when a hospital grade receptacle is used.

- Depress and engage the red "TOTAL BRAKE" side of the pedal at either side of the bed to set the brakes. Two of the four wheels, diagonally opposed, should lock, ensure it is so. Ensure brakes disengage when the pedal opposite green "AXIAL STEER" side is depressed to bring pedal to neutral position (horizontal position).
- Depress the green "AXIAL STEER" side of the pedal on either side of the bed to engage the 5th wheel. Ensure the 5th wheel is engaged.
- Ensure the 5th wheel disengages when the pedal opposite red "TOTAL BRAKE" side is depressed to bring pedal to neutral position (horizontal).
- Ensure the side-rails raise and lower smoothly and lock in the up position.
- Run through each function on the foot board control panel and ensure that each function is working properly.
- Ensure all functions are working properly on the side-rail control panels (inner and outer sides).
☐ Raise the bed to full up position and activate the Trendelenburg function (see "Trendelenburg Switch (E)", Operations Manual, page 21). Ensure that the head end lowers to the full down position.

☐ Raise the bed to the full up position and activate the reverse Trendelenburg function (see "Trendelenburg Switch (E)", Operations Manual, page 21). Ensure that the foot end lowers to the full down position.

☐ Ensure that the optional Auto Contour function works properly (see "Auto Contour", Operations Manual, page 21).

☐ Leaving the bed in the Auto Contour position, pull the instant CPR release handle (optional equipment) and ensure the Fowler and Knee Gatch will drop with minimal effort. Wait and listen for the typical noise indicating that the Fowler actuator has reset itself (during the resetting period, no bed functions are available).

☐ Check following optional equipment for proper operation: 120V auxiliary outlet, photoelectric night light, two or three function pendant control, etc.

If any problems are found during bed set-up, contact our Technical Service department (see section 1.2).
1.6 BED ILLUSTRATION (Bed may differ from illustration)

Figure 1.6
2. PREVENTIVE MAINTENANCE

This section contains a recommended spare parts list as well as cleaning instructions and a checklist to assist with the preventive maintenance and cleaning of your equipment. In the text, the words "right" and "left" refer to the right and left sides of a patient lying face up on the bed.

2.1 BED CLEANING AND MATTRESS CARE

CAUTION

Do not use harsh cleaners, solvents or detergents. Do not steam clean, hose off or ultrasonically clean the bed. Do not immerse any part of the bed. The bed electrical parts may be damaged by exposure to water.

Germicidal disinfectant, used as directed, and/or Chlorine Bleach products are not considered mild detergents. These products are corrosive in nature and may cause damage to your bed if used improperly. If these types of products are used, ensure the beds are rinsed with clean water and thoroughly dried following cleaning. Failure to properly rinse and dry the beds will leave a corrosive residue on the surface of the bed, possibly causing premature corrosion of critical components. Failure to follow the above directions when using these types of cleaners may void this product warranty.

Cleaning Beds

- Hand wash all surfaces of the bed with a soft cloth moistened with a solution of lukewarm water and a mild detergent.
- Wipe the bed clean and dry thoroughly to avoid build up of cleaning solution.

Bed Mattress Care

WARNING

Failure to properly clean mattress or dispose of them if defective will increase the risk of exposure to pathogenic substances which may cause injury to the patient or user.

Inspection

- Implement local policies to address regular care, maintenance, and cleaning of mattresses and covers. The cover cleaning and sterilization procedures can be found below and on the bed label.
- Inspect mattress cover surface (also zip fasteners and cover inner surface if mattresses have zip fasteners) regularly for signs of damage. If the mattress cover is stained, soiled, or torn, examine the mattress, and seek instructions from the infection control nurses, as the mattress may harbour micro-organisms. If the mattress is wet or badly stained, withdraw the mattress from service.
- Seek the advice of infection control nurse in case of heavy soiling or infection, as general cleaning procedures are unlikely to be adequate.

Cleaning and Sterilization

- Stains:
  Wash with lukewarm water using a mild detergent. Rinse with water and let dry.
- Tough stains and sterilization:
  Use bleach diluted with ten parts of water.
2.2 LUBRICATION

Listed below are the lubrication points and their recommended time interval check. When needed, lubricate these points with OG2 grease (Stryker Bertec part number M0027).

⚠️ WARNING
The use of types of grease other than the one recommended (OG2 grease) could lead to deterioration of critical parts and to mechanism failure, resulting in injury to the patient or user and damage to the bed.

⚠️ CAUTION
The GO BED uses oil-impregnated shoulder spacers at hinge points. Do not lubricate these shoulder spacers. When shoulder spacers are found worn, replace them.

Annual Checklist:
- The Hi-lo lever nylon sliders and their shafts (see fig. 2.2A, page 15). Check that grease is still present along the course of the sliders (inner surfaces (bottom and side) of the rail).
- Lower mounting points (see fig. 2.2A, page 15) of the lifting system stabilizer.
- Side-rail plungers and plunger springs (see fig. 2.2B, page 15).
- The side-rail arm glide rods (see fig. 2.2B, page 15).

Two Years Interval Checklist:
- The two Hi-lo actuator tubes (see fig. 2.2C, page 15) to facilitate their sliding into the support tubes. Bring the bed to its highest position before greasing the tubes.
- Head, foot and Hi-lo actuator screws (see fig. 2.2C, page 15).
- Head actuator screw guide (see fig. 2.2C, page 15).
- Clevis pins and nylon washers linking the actuator tubes to the head and Knee Gatch section lever arms and the two Hi-lo lever arms (see fig. 2.2C, page 15).
- Actuator bolts that hold actuators to their brackets as well as the inner sides of the brackets, including the pivot pin (see fig. 2.2C, page 15).
- Micro-switch activator (see fig. 2.2E, page 15) of the optional Auto Contour mechanism.

Five Years Interval Checklist:
- The side-rail shafts and transfer plate handles (see fig. 2.2B, page 15).
- Inside of the Hi-lo lever moulded bearings (see fig. 2.2A, page 15).
- The damper bearings, the pivot shaft of the CPR support, and the activation rod pivot sleeve (see fig. 2.2D, page 15) all from the instant CPR release mechanism.

Serial Number:____________________________________________________

Completed by:________________________________ Date:_______________
Lubrication Points Illustrated

Figure 2.2A

Figure 2.2B

Figure 2.2C

Figure 2.2D

Figure 2.2E

Figure 2.2

LEGEND:
1 YEAR 2 YEARS 5 YEARS
2.3 PREVENTIVE MAINTENANCE PROGRAM

The following periodic maintenance and inspection program has been devised to ensure a long and productive life to your GO BED. Each item on the schedule should be checked and any necessary adjustment made during the preventive maintenance process. Persistence in performing it annually will help minimize bed failures and reduce downtimes.

WARNING

Only qualified and authorized maintenance personnel should perform the procedures detailed in this maintenance guide. Failure to observe this restriction can result in serious damage to material and/or severe injury to people.

Checklist

CAUTION

The GO BED uses oil-impregnated shoulder spacers at hinge points. Do not lubricate these shoulder spacers. When shoulder spacers are found worn at preventive maintenance, replace them.

- Inspection for excessive wear of all the oil-impregnated bronze shoulder spacers found in the following components of the bed. Replace as needed
  - Linkage of the mattress support sections together
  - Linkage of the head section lever arms to the head section and the fixed frame
  - 5th wheel activation mechanism
  - Instant CPR release mechanism
- Inspect and lubricate, if needed, bed lubrication points described in section 2.2
- Inspection of all bolt, locknut and screw tightening, tighten if necessary
- Engage brake pedal and push on the bed to ensure that casters lock securely
- Using the Axial Steer pedal, ensure that the 5th wheel engages and disengages properly
- Side-rails move, latch and stow properly
- All functions on the foot board control panel working properly (give special attention to lock-out switches and their LED indicators). See "PC Board Integrated Maintenance Program", next page.
- Check the Fowler, Knee Gatch, Hi-lo, optional Auto Contour, and the Trendelenburg limits to ensure that actuator built-in limit switches are working properly.
- All functions on side-rail control panels (inner and outer) working properly. See "PC Board Integrated Maintenance Program", next page.
- On/Off switch and LED power indicator working properly
- Optional 120 volt auxiliary outlet working properly
- Optional photoelectric night light working properly
- Optional instant CPR release working properly
- Optional Auto Contour working properly
- Fowler slides securely in tracks without making noise (grease applied on the assembly line along the path of the mobile frame wheels and on the wheel shafts should last as long as the bed life. Should a problem occur with this part of the bed, please contact our Technical Service department (see section 1.2).
preventive maintenance chapter 2

 Automatic foot prop rod working properly when Knee Gatch or Auto Contour function is activated.
 No cracks or splits in head and foot boards
 Head end bumpers tightly secured to frame and working properly
 No rips or cracks in mattress cover
 Power cord not frayed
 No cables worn or pinched
 All electrical connections tight
 All ground secure to the frame
 All casters roll properly. Check caster tire for cuts, wear, tread life, etc
 Ground chain intact and in place
 Measure bed current leakage and ground impedance (check with our Technical Service department for the acceptable values).
 Measure optional 120V auxiliary ground impedance (check with our Technical Service department for the acceptable value).

NOTE
Preventive maintenance may need to be performed more frequently based on the usage level of the bed.

Serial Number: __________________________________________

Completed By:_______________________________________    Date:_______________

PC Board Integrated Maintenance Program
This bed has a PC Board equipped with a maintenance program. To activate and process the program, perform the following steps:

• Unplug the bed power cord, remove the foot board and the foot end casing cover (see section 4.7, step 1 through 4 and fig. 4.7A) to gain access to the PC Board.
• Move the board four dip switches to the ON position and replace temporarily the casing cover and the foot board (do not fasten the cover to the casing for the moment).
• Plug the bed power cord and turn the main power switch on. Note that the LED of the Trendelenburg function switch may light up, do not mind it.
• Press all function switches of the control panels (foot board and side-rails) one after the other. The green LED of the Fowler lock-out switch will be the maintenance test indicator. It should light up when a function switch is pressed and go out when the same function switch is pressed again thus indicating that the wiring and the membrane are working properly. If the LED does not light up when a function switch is pressed, the wiring and/or the membrane may be defective.
• After completion of the test, unplug the bed power cord, remove the foot board and the casing cover, readjust the dip switches to their normal position (1= Off; 2= On; 3= Off; 4= Off), fasten the cover to the foot end casing, and replace the foot board.
### Recommended Spare Parts

The following is a list of recommended on hand spare parts for the GO BED.

#### Electronic/Electrical Assembly Parts

<table>
<thead>
<tr>
<th>Part Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>PC Board</td>
<td>QDF14-0990</td>
</tr>
<tr>
<td>PC Board stand off pins</td>
<td>QDF8011</td>
</tr>
<tr>
<td>Strain relief bushing</td>
<td>QPN0604</td>
</tr>
<tr>
<td>S.A. power cord 120V/Connector</td>
<td>QDF17-0236/QDF8042</td>
</tr>
<tr>
<td>Micro switch</td>
<td>1325P003</td>
</tr>
<tr>
<td>Night light</td>
<td>QDF9539</td>
</tr>
</tbody>
</table>

#### Actuator Assembly Parts

<table>
<thead>
<tr>
<th>Part Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hi-lo actuator</td>
<td>QDF17-0005</td>
</tr>
<tr>
<td>Knee Gatch actuator</td>
<td>QDF17-0006</td>
</tr>
<tr>
<td>Head actuator</td>
<td>17-0041</td>
</tr>
</tbody>
</table>

#### Control Panel Assembly Parts

<table>
<thead>
<tr>
<th>Part Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nurse control plate and membrane</td>
<td>QDF17-0180/QDF17-0127</td>
</tr>
<tr>
<td>S.A. Fixed 3 way patient control (H-B-F)</td>
<td>13-0220</td>
</tr>
<tr>
<td>S.A. Fixed 3 way patient control (F-B-H)</td>
<td>13-0221</td>
</tr>
<tr>
<td>S.A. Fixed 2 way patient control (F-H)</td>
<td>17-0193</td>
</tr>
<tr>
<td>S.A. Fixed 2 way patient control (H-F)</td>
<td>17-0194</td>
</tr>
</tbody>
</table>

#### Side-Rail assembly parts

<table>
<thead>
<tr>
<th>Part Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Head side-rail protector</td>
<td>17-0220</td>
</tr>
<tr>
<td>Foot side-rail protector</td>
<td>17-0221</td>
</tr>
<tr>
<td>3M adhesive tape #950 x 1&quot;</td>
<td>QDF7826</td>
</tr>
<tr>
<td>Side-rail right handed release</td>
<td>17-0306-P</td>
</tr>
<tr>
<td>Side-rail left handed release</td>
<td>17-0307-P</td>
</tr>
<tr>
<td>Dome cap DP1250 1-1/4&quot;</td>
<td>QDFP1514</td>
</tr>
<tr>
<td>Protective cap</td>
<td>QPN-18748</td>
</tr>
</tbody>
</table>

#### Mattress support Assembly

<table>
<thead>
<tr>
<th>Part Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Warm grey mattress retainer</td>
<td>QPN-14034-2</td>
</tr>
</tbody>
</table>

#### Base Assembly Parts

<table>
<thead>
<tr>
<th>Part Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>&quot;Tente&quot; caster with locking system</td>
<td>RT61C</td>
</tr>
<tr>
<td>&quot;Tente&quot; caster without locking system</td>
<td>T61CSW</td>
</tr>
<tr>
<td>5th wheel</td>
<td>RL5</td>
</tr>
<tr>
<td>Pedal green treadle tip</td>
<td>QPN-18028</td>
</tr>
<tr>
<td>Pedal red treadle tip</td>
<td>QPN-18029</td>
</tr>
<tr>
<td>Anchor washer for 3/16 dia. stud</td>
<td>VW00A06</td>
</tr>
<tr>
<td>Rue ring cotter dia. 3/8&quot; p.z.</td>
<td>QDF7878</td>
</tr>
</tbody>
</table>

#### Miscellaneous

<table>
<thead>
<tr>
<th>Part Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>OG-2 grease</td>
<td>M0027</td>
</tr>
<tr>
<td>Tread locker - medium strength (blue)</td>
<td>M008</td>
</tr>
<tr>
<td>&quot;Sand Grey&quot; aerosol spray paint</td>
<td>DDCAP-GSP</td>
</tr>
</tbody>
</table>
3. TROUBLESHOOTING

This section contains a troubleshooting chart to assist you with the diagnosis of problems with your equipment. In the text, the words "right" and "left" refer to the right and left sides of a patient lying face up on the bed.

3.1 TROUBLESHOOTING GUIDE

<table>
<thead>
<tr>
<th>PROBLEM</th>
<th>POSSIBLE CAUSES</th>
<th>RECOMMENDED ACTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>ON/OFF switch is on, power LED is off and bed does not respond to any command.</td>
<td>Power cord loosely or not connected to wall receptacle.</td>
<td>Make sure plug fits tightly in wall receptacle.</td>
</tr>
<tr>
<td></td>
<td>Bed connected into a defective wall receptacle.</td>
<td>Check wall receptacle.</td>
</tr>
<tr>
<td></td>
<td>Power cord severed.</td>
<td>Replace power cord (see section 4.10).</td>
</tr>
<tr>
<td></td>
<td>Bed power cord connector improperly or not connected to the PC Board power cord connector in the head end casing</td>
<td>Check cable connection (see section 4.10). Refer to Connection Diagram in Appendix A for proper connecting position.</td>
</tr>
<tr>
<td></td>
<td>PC Board power cord improperly or not connected to PC Board</td>
<td>Check cable connection (see section 4.8). Refer to Connection Diagram in Appendix A for proper connecting position.</td>
</tr>
<tr>
<td></td>
<td>PC Board power cord defective</td>
<td>Replace PC Board power cord. See the &quot;120V electrical system&quot; parts list and drawing in the GO BED Parts List manual.</td>
</tr>
<tr>
<td></td>
<td>ON/OFF switch cable disconnected or improperly connected to PC Board.</td>
<td>Check cable connection (see section 4.9). Refer to Connection Diagram in Appendix A for proper connecting position.</td>
</tr>
<tr>
<td></td>
<td>ON/OFF switch or cable defective.</td>
<td>Replace ON/OFF switch and cable (see section 4.9).</td>
</tr>
<tr>
<td></td>
<td>PC Board defective.</td>
<td>Replace PC Board (see section 4.8).</td>
</tr>
</tbody>
</table>

**WARNING**

Only qualified and authorized maintenance personnel should perform the procedures detailed in this maintenance guide. Failure to observe this restriction can result in serious damage to material and/or severe injury to people.
<table>
<thead>
<tr>
<th>PROBLEM</th>
<th>POSSIBLE CAUSES</th>
<th>RECOMMENDED ACTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>ON/OFF switch is on, the bed responds to commands but the LED power</td>
<td>ON/OFF switch LED defective.</td>
<td>Replace ON/OFF switch (see section 4.9).</td>
</tr>
<tr>
<td>indicator does not light up.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ON/OFF switch is on but the bed fails to respond or responds erratically to:</td>
<td>* Foot board control membrane cable improperly or not connected to the foot board connector.</td>
<td>Check cable connection (see section 4.3).</td>
</tr>
<tr>
<td>* foot board panel control</td>
<td></td>
<td></td>
</tr>
<tr>
<td>**side-rail control panels</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NOTE</td>
<td>In the possible causes column, one * refers to causes affecting only the foot board control panel and two ** refer to causes affecting only side-rail control panels. * ** combined refer to causes affecting both control panels.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>* PC Board to foot end casing connector cable improperly or not connected to PC Board.</td>
<td>Check cable connection (see G fig. 4.7A, section 4.7). Refer to Connection Diagram in Appendix A for proper connecting position.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>* Foot board panel membrane defective.</td>
<td>Replace membrane (see section 4.3).</td>
</tr>
<tr>
<td></td>
<td>* Foot board connector defective.</td>
<td>Replace connector (see section 4.6).</td>
</tr>
<tr>
<td></td>
<td>* Foot end casing connector defective.</td>
<td>Replace connector (see section 4.7).</td>
</tr>
<tr>
<td></td>
<td>** Side-rail panel functions not activated through the foot board control panel lock-outs.</td>
<td>Turn the lock-out switches on (see section 2.16 of the User Guide).</td>
</tr>
<tr>
<td></td>
<td>** Side-rail bed function cable not connected to the bed.</td>
<td>Connect the side-rail cable into receptacle located under the centre section of the mattress support.</td>
</tr>
<tr>
<td></td>
<td>** Side-rail panel membrane (inner or outer) defective.</td>
<td>Replace membrane (see section 4.4).</td>
</tr>
<tr>
<td></td>
<td>** Side-rail control cable improperly or not connected to the PC Board.</td>
<td>Check cable connection (see section 4.8). Refer to wiring diagram in Appendix A for proper connecting position.</td>
</tr>
<tr>
<td></td>
<td>** Side-rail control cable running from the control panel to the bed receptacle defective.</td>
<td>Replace cable (see section 4.5, step 13 and note following it.)</td>
</tr>
<tr>
<td>PROBLEM</td>
<td>POSSIBLE CAUSES</td>
<td>RECOMMENDED ACTION</td>
</tr>
<tr>
<td>-----------------------------------------------------------------------</td>
<td>-----------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>--------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>* ** PC Board dip switches improperly set.</td>
<td>Set Dip switches properly. DIP #1 = off; DIP #2 = on; DIP #3 = off; DIP #4 = off.</td>
<td></td>
</tr>
<tr>
<td>* ** If your bed is equipped with the optional CPR release and only the Knee Gatch functions, the CPR mechanism may have not returned to original position and/or the head section actuator may have not reset itself after CPR usage.</td>
<td>Check CPR mechanism and both micro switch assembly. Replace component as needed (see section 4.16 and 4.17).</td>
<td></td>
</tr>
<tr>
<td>* ** Actuator automatic thermal protection switch has turned the actuator off.</td>
<td>Refrain from using the bed for about twenty minutes. The actuator will then reset itself.</td>
<td></td>
</tr>
<tr>
<td>* ** Actuator cables improperly or not connected to the PC Board.</td>
<td>Check actuator connections (see section 4.8 and 4.14). Refer to the Connection Diagram in Appendix A for proper connecting position.</td>
<td></td>
</tr>
<tr>
<td>* ** An actuator defective.</td>
<td>Identify faulty actuator and replace it (see section 4.14).</td>
<td></td>
</tr>
<tr>
<td>* ** PC Board defective.</td>
<td>Replace PC Board (see section 4.8).</td>
<td></td>
</tr>
<tr>
<td>Bed functions operate without being activated or don’t stop after command has been released.</td>
<td>Foot board or side-rail panel membrane defective.</td>
<td>Replace membrane (see section 4.3 and 4.4).</td>
</tr>
<tr>
<td>PC Board defective.</td>
<td>Replace PC Board (see section 4.8).</td>
<td></td>
</tr>
<tr>
<td>Instant CPR release does not function properly: the head section actuator does not reset automatically and/or the Knee Gatch does not return to horizontal position following the use of the instant CPR release.</td>
<td>Micro switches detecting the mattress support movement not functioning properly</td>
<td>Check the CPR mechanism under the head section. (see section 4.16)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Check that micro switches and the micro switch activator(located on the right side of the fixed frame) are tightly fastened. Check wires connected to micro switches for proper connection. Check micro switches. Replace component as needed (see section 4.17).</td>
</tr>
<tr>
<td>PROBLEM</td>
<td>POSSIBLE CAUSES</td>
<td>RECOMMENDED ACTION</td>
</tr>
<tr>
<td>------------------------------------------------------------------------</td>
<td>--------------------------------------------------------------------------------</td>
<td>-----------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>The micro switch cable improperly connected to the PC Board.</td>
<td></td>
<td>Check cable connection (see section 4.8). Refer to Connection Diagram in Appendix A for proper connecting position.</td>
</tr>
<tr>
<td>The micro switch cable running from the micro switch to the PC Board connector defective.</td>
<td>Replace micro switch cable.</td>
<td></td>
</tr>
<tr>
<td>Head or Knee Gatch actuator defective.</td>
<td>Replace head or Gatch actuator (see section 4.14).</td>
<td></td>
</tr>
<tr>
<td>PC Board defective.</td>
<td>Replace PC Board (see section 4.8).</td>
<td></td>
</tr>
<tr>
<td>Fowler and Knee Gatch are out of synchronization when optional Contour Positioning is activated.</td>
<td>Micro switches detecting the relative positions of the mattress support sections not functioning properly.</td>
<td>Check that micro switches and micro switch activator (located on the left side of the fixed frame) are tightly fastened. Check micro switches and wires connected to them for proper connection. Replace component as needed (see section 4.18).</td>
</tr>
<tr>
<td>Micro switch cable improperly connected to the PC Board.</td>
<td>Check cable connection (see section 4.8). Refer to Connection Diagram in Appendix A for proper connecting position.</td>
<td></td>
</tr>
<tr>
<td>Micro switch cable running from the micro switch to the PC Board defective.</td>
<td>Replace micro switch cable.</td>
<td></td>
</tr>
<tr>
<td>Head or Gatch actuator defective.</td>
<td>Replace head or Gatch actuator (see section 4.14)</td>
<td></td>
</tr>
<tr>
<td>PC Board defective.</td>
<td>Replace PC Board (see section 4.8)</td>
<td></td>
</tr>
<tr>
<td>Nurse call command does not function.</td>
<td>Nurse call wall connection cable plugged into a defective wall receptacle.</td>
<td>Check wall receptacle.</td>
</tr>
<tr>
<td>Nurse call wall connection cable disconnected or improperly connected to the multiple connector.</td>
<td>Check cable wire connection to the multiple connector (see section 4.5).</td>
<td></td>
</tr>
<tr>
<td>Nurse call wall connection cable severed or defective.</td>
<td>Replace nurse call wall connection cable (see section 4.5)</td>
<td></td>
</tr>
<tr>
<td>PROBLEM</td>
<td>POSSIBLE CAUSES</td>
<td>RECOMMENDED ACTION</td>
</tr>
<tr>
<td>---------</td>
<td>----------------</td>
<td>--------------------</td>
</tr>
<tr>
<td>Nurse call switch defective.</td>
<td>Replace nurse call switch (see section 4.5).</td>
<td></td>
</tr>
<tr>
<td>Nurse call switch cable defective</td>
<td>Replace nurse call cable (see section 4.5)</td>
<td></td>
</tr>
<tr>
<td>Safety side-rails jam, move with difficulty, do not latch in high position or latch with difficulty.</td>
<td>Side-rail mechanisms poorly greased and/or mechanism parts loosened.</td>
<td>Apply grease on the side-rail plungers, plunger springs, arm glide rods and rail shafts (see section 2.2, &quot;Lubrication&quot;). Check all applicable hardware and parts alignment. Replace parts as needed (see section 4.1).</td>
</tr>
<tr>
<td>Side-rail parts misaligned following a blow.</td>
<td></td>
<td>Replace side-rail assembly (see section 4.1)</td>
</tr>
<tr>
<td>Brake does not engage when activated or do not release.</td>
<td>Fasteners of the brake activation mechanism not secured or parts misaligned.</td>
<td>Check all applicable linkage, hardware and parts alignment. Replace parts as needed (see sect. 4.19, &quot;Brake/steer pedal...&quot;)</td>
</tr>
<tr>
<td>One or both casters that are part of the locking mechanism defective.</td>
<td></td>
<td>Replace caster (see section 4.21).</td>
</tr>
<tr>
<td>Steer wheel (5th wheel) does not engage when activated or does not disengage.</td>
<td>Fasteners of the 5th wheel activation mechanism not secured or parts misaligned.</td>
<td>Check all applicable linkage, hardware and parts alignment. Replace parts as needed (see sect. 4.20).</td>
</tr>
<tr>
<td>Swing arm assembly spring warped</td>
<td></td>
<td>Replace the 5th wheel swing arm assembly (see section 4.20)</td>
</tr>
</tbody>
</table>
### 4. MAINTENANCE PROCEDURES

This section contains step-by-step procedures to assist with the maintenance and servicing of the GO BED.

In the text, the words "right and "left" refer to the right and left sides of a patient lying face up on the bed.

---

**WARNING**

Only qualified maintenance personnel should perform the procedures detailed in this maintenance guide. Failure to observe this restriction can result in serious damage to material and/or severe injury to people.

The use of types of grease other than the one recommended (OG2 grease, Stryker Bertec part number M0027) could lead to deterioration of critical parts and mechanism failure, resulting in injury to the patient or user and damage to the bed.

Always unplug the bed power cord from the wall outlet when cleaning or servicing the bed.

---

**CAUTION**

The GO BED uses oil-impregnated shoulder spacers at hinge points. **Do not** lubricate these shoulder spacers. When shoulder spacers are found worn at preventive maintenance, replace them.

**NOTE**

Except for rare exceptions, reference points - i.e. A, B, C appearing in sequence of instructions will refer to a figure immediately preceding this sequence of instructions.

---

### 4.1 SIDE-RAIL ASSEMBLY REPLACEMENT

**Foot Side-Rail Assembly Replacement**

![Figure 4.1A](image)

1. Raise the bed to the high position and lock casters.
2. Put the head side-rails in the down position and raise the foot side-rails.
3. Raise the Knee Gatch to the high position.
4. Unplug the power cord from the wall receptacle.
5. Manually lift and fold the foot section back towards the head end of the bed (see figure 4.1 in Appendix B).
6. Remove the four bolts / lock washers (A) holding the side-rail assembly to the foot section.

**NOTE**
Apply medium strength tread locker (blue) on the bolt treads, before replacing the four bolts.

7. Lift up assembly to disengage from anchor point (B) and remove assembly
8. Reverse the above steps to install the replacement foot side-rail assembly.
9. Test foot side-rail for proper operation before returning the bed to service.

**Head Side-Rail Assembly Replacement**

**NOTE**
If the bed being maintain is equipped with the nurse call option, be sure to mention it to the Service representative when ordering a new head side-rail assembly.

1. Raise the bed to the high position and lock casters.
2. Raise head side-rail to be replaced and raise Fowler to high position.
3. Unplug the power cord from the wall receptacle.
4. Unscrew the lock ring of the side-rail cable plug (J, fig. 4.1C, page 25) and remove cable from the bed receptacle.
5. If the bed being repaired **is not** equipped with the optional nurse call function, proceed with step 10.

If the bed being repaired **is** equipped with the optional nurse call function, and its version is prior to version 03 (bed with serial number ≤ C02025), proceed with step 6. For version 03 (bed with serial number ≥ C02026) and higher of the GO BED (equipped with the optional nurse call function, proceed with step 10.

6. Remove the fourteen screws (C) holding the head end casing (D) cover and remove the cover (E).
7. Identify the right (F) or left (G) nurse call cable wires in the head end casing, cut the cable tie if necessary.
8. Loosen the two screws holding the two groups of red and black wires on the multiple connector (H), remove both groups of wires and segregate from them the red and black wires of the nurse call cable involved in the procedure.
9. Pull on the cable to slide it out of the cable ties holding it along its path under the bed. It might be necessary to cut the cable ties to install the new nurse call cable.

10. Remove the four bolts/lock washers (K) holding the side-rail assembly to the head section. Begin with the two bolts located near the latch lever followed by the two others. Support the assembly when removing the two last bolts.

**NOTE**
Apply medium strength tread locker (blue) on the bolt treads before replacing the four bolts.

11. Lift up assembly to disengage from anchor pin and remove it.
12. Reverse the above steps to install the replacement head side-rail assembly.

**NOTE**
Be sure to connect the side-rail cable to the bed receptacle before testing the bed.

13. Test side-rail motion, all side-rail controls, and if present the nurse call function for proper operation before returning bed to service.
4.2 SIDE-RAIL REPLACEMENT (RAIL ONLY)

Foot Side-Rail Replacement (Rail Only)

1. Raise the bed to the high position and lock casters.
2. Raise side-rail needing a rail replacement.
3. Unplug the power cord from the wall receptacle.
4. Use a small screwdriver to remove the plastic dome caps (A) sealing the front part of the two rail shafts.

**NOTE**
We recommend that you have some of these dome caps on hand because they can hardly be removed without damaging them.

5. Use a hammer and a blunt-ended tool to remove the nylon protective caps (B) from the rear part of the two rail shafts.
6. Remove lock rings (C) from each shaft and remove the defective barrier. Keep the nylon washers (D).
7. Reverse the above steps to install the replacement rail.

**NOTE**
Apply grease on the rail shafts before installing the rail.

Head Side-Rail Replacement (Rail Only)

Replacing the rail of head side-rail is a complex task requiring a good knowledge of the product. We recommend that you contact our Technical Service department (see section 1.2) in order for them to suggest an appropriate solution to the problem.
4.3 MEMBRANE REPLACEMENT (FOOT BOARD CONTROL PANEL)

NOTE
The membrane comes with the control panel plate, already affixed to it.

Figure 4.3

1. Raise the bed to the high position and lock casters.
2. Unplug the power cord from the wall receptacle.
3. Remove the head board and lay it on a workbench.
4. Remove the 7 screws (A) securing the support cover (B) to the inner face of the foot board and remove cover.
5. Remove the screw (C) holding the membrane support to the foot board.
6. Disconnect the defective membrane cable (E) from the board connector (D).
7. Remove the control panel plate (F).
8. Reverse the above steps to install the replacement membrane.

NOTE
Be sure to connect the new membrane cable correctly. The side of the membrane connector bearing the inscription "1" must face the black wire of the foot board connector.

9. Test all the foot board control panel functions for proper operation before returning bed to service.
4.4 MEMBRANE REPLACEMENT (SIDE-RAIL CONTROL)

1. Raise the bed to high position and lock casters.
2. Raise the head side-rail needing a membrane replacement.
3. Unplug the power cord from the wall receptacle.
4. Remove the four screws (A) holding together the two sections of the side-rail control panel housing (B).
5. Open the side-rail control panel housing. Both sections of the housing contain a membrane permanently fixed to it. Changing a side-rail control panel membrane means replacing one of the two sections of the control panel housing.
6. Disconnect the faulty membrane cable (C) from the side-rail connecting board (D) and remove the membrane.
7. Reverse the above steps to install the replacement side-rail control membrane.

**NOTE**
Make sure to connect the new membrane cable correctly. The side of the connector bearing the inscription "1" must face the brown wire of the connecting board.

8. Test all side-rail control panel functions (inner and outer sides) for proper operation before returning bed to service.

**Figure 4.4**

- A
- C
- B
- D
4.5 NURSE CALL SYSTEM COMPONENT REPLACEMENT

1. Raise the bed to high position and lock casters.
2. Remove the head board.
3. Remove the fourteen screws (C, fig. 4.1 B, page 24) holding the head end casing cover (E fig. 4.1B, page 24) to the head end casing and remove the cover.
4. Identify the wires (A) of the nurse call wall connector cable (B). Loosen the two screws holding the cable wires to the multiple connector (C) and remove wires.

**NOTE**
If the wall connector cable is made of three wires, ensure that the red and orange wires are connected together in the same multiple connector slot.

5. Test the nurse call wall connector cable.
   - if defective, proceed with step 6 through step 8 and end procedure.
   - if functioning properly, proceed with step 9.
6. Remove nurse call wall connection cable.
7. Reverse the above steps to install the replacement cable.
8. Test nurse call function for proper operation before returning bed to service.
End of procedure.

9. Identify the right (F, fig. 4.5, page 29) or left (G, fig. 4.5, page 29) nurse call cable wires, cut the cable tie if necessary.
10. Loosen the two screws holding the two groups of red and black wires on the multiple connector (C, fig. 4.5, page 29), remove both groups of wires and segregate the two red and black wires of the defective nurse call control.
11. Remove the four screws (D) holding together the two sections of the nurse call control housing (E).
12. Remove the two screws (H) holding the switch support to the housing. Remove the nurse call button (J) and clean it as well as its housing, if dirt has accumulated.
13. Test the switch and the two sections of the nurse call cable to determine which is responsible for the problem. Note that in prior versions of the GO BED (beds with a serial number ≤ C02025), the nurse call cable is in one section, running from the nurse call switch to the multiple connector located in the head end casing.
   - if the switch is defective but the cable functions properly, proceed with step 14 through step 18 and end procedure.
   - if one of the cable sections is defective, read the following note and end procedure.

NOTE
Replacing a defective nurse call cable is a complex task requiring a good knowledge of the product. We recommend that you contact our Technical Service department (see section 1.2) in order for them to suggest an appropriate solution.
End of procedure.

14. Unsolder the two nurse call cable wires (K) from the defective switch (L). Note the position of each soldered wire on the switch.
15. Unsolder from the replacement switch the two wires of the cable attached to it. Keep the cable as an on-hand replacement part.
16. Solder to the replacement switch the two wires of the original nurse call cable.
17. Reverse the above steps to install the replacement nurse call switch and finalize installation of the nurse call assembly.
18. Test nurse call function for proper operation before returning bed to service.
4.6 FOOT BOARD CONNECTOR REPLACEMENT

1. Raise the bed to high position and lock casters.
2. Remove head board and lay on a workbench.
3. Remove the 7 screws (A) securing the support cover (B) to the inner face of the foot board and remove cover.
4. Disconnect the foot board control panel membrane (C) from the connector.
5. Remove the two bolts/washers/sleeves/locknuts (D) holding the connector (E) to its support (F) and remove defective connector.
6. Reverse steps to install replacement foot board connector.

**NOTE**
Make sure to connect the foot board control panel cable correctly. The side of the cable connector bearing the inscription “1” must be aligned with the black wire of the foot board connector.

7. Test all foot board control panel functions for proper operation before returning bed to service.
4.7 FOOT END CASING CONNECTOR REPLACEMENT

1. Raise the bed to high position, lock casters and remove the foot board.
2. Unplug the power cord from the wall receptacle.
3. Remove the 12 screws (A, B) holding the foot end casing cover (C) and the two IV pole holders (E) to the foot end casing (D).
4. Lift up and hold cover while disconnecting from the PC Board the On/Off switch cable (F) and the PC Board to foot end casing connector cable (G). Note carefully the connecting positions of the cable connectors to the PC Board connectors (On/Off switch: cable connector green wire facing pin 11; foot end casing connector cable: connector black wire facing pin 1). Lay cover on a workbench.

5. Remove the two bolts/shoulder sleeves/locknuts (H) holding the connector (J) to the foot end casing cover (C) and remove defective connector. Keep the seal (K).
6. Reverse the above steps to install replacement foot end casing connector.

NOTE
Make sure to properly connect the foot casing connector cable to the PC Board connector. See step 4.
7. Test all nursing control functions for proper operation before returning bed to service.
4.8 PC BOARD REPLACEMENT

1. Raise the bed to high position and lock casters.
2. Unplug the power cord from the wall receptacle.
3. Remove the foot panel.
4. Properly ground yourself (see "Static Discharge Precautions", page 8).
5. Remove the 12 screws (A, B, fig. 4.7A, page 32) holding the foot end casing cover (C, fig. 4.7A, page 32) and the two IV pole holders (E, fig. 4.7A, page 32) to the foot end casing.
6. Lift up and hold cover while disconnecting from the PC Board the On/Off switch cable (F) and the PC Board to foot end casing connector cable (G). Note carefully the connecting positions of the cable connectors to the PC Board connectors (On/Off switch: cable connector green wire facing pin 11; foot end casing connector cable: connector black wire facing pin 1). Lay cover aside.

7. Carefully identify the position of all the cables connected to the PC Board before disconnecting them. Disconnect cables.
8. Remove locknut (B) holding the PC Board ground wire (C).
9. Remove the two screws (D) holding the PC Board support (E) to the frame and remove the PC Board.
10. Disengage PC Board from the support stand off pins and remove it.
11. Reverse the above steps to install replacement PC Board.

NOTE
Before closing the foot end casing, ensure that the PC Board dip switches are in the following positions: dip switch #1 = off; dip switch #2 = on; dip switch #3 = off; dip switch #4 = off.

12. Test all bed functions for proper operation before returning bed to service.
4.9 ON/OFF SWITCH REPLACEMENT

NOTE
Refer to fig. 4.7A, page 33, for illustration of the reference points mentioned in this section.

1. Raise the bed to high position and lock casters.
2. Unplug the power cord from the wall receptacle.
3. Remove the foot panel.
4. Properly ground yourself (see "Static Discharge Precautions", page 8).
5. Remove the 12 screws (A, B) holding the foot end casing cover (C) and the two IV pole holders (E) to the foot end casing.
6. Lift up and hold cover while disconnecting from the PC Board the On/Off switch cable (F) and the PC Board to foot end casing connector cable (G). Note carefully the connecting positions of the cable connectors to the PC Board connectors (On/Off switch: cable connector green wire facing pin 11; foot end casing connector cable: connector black wire facing pin 1). Lay cover on a workbench.
7. Remove the On/Off switch (L) by squeezing both sides and passing it through its housing aperture.
8. Reverse the above steps to install replacement On/Off switch.
9. Test On/Off switch and LED state indicator for proper operation before returning bed to service.

4.10 BED POWER CORD REPLACEMENT

NOTE
Step 9 of this procedure requires that the connector be removed from the extremity of the power cord in order to remove the cord from the head end casing. The connector does not pass through the orifice provided for the power cord. A special tool exists that enables the removal of the connector without damaging the cord wires or the connector female sockets. If this tool is not available and you have to cut the wires to remove the connector, be sure to order the connector (P/N QDF8042) in addition to the power cord.

1. Unplug the power cord from the wall receptacle.
2. Remove the head panel.
3. Remove the fourteen screws (C, fig. 4.1B, page 24) holding the head end casing cover (E, fig. 4.1B, page 24) and remove cover.
5. Disconnect the bed power cord connector (A) from the PC Board power cord connector (B). Note the connecting position of the connectors, white wire opposite white wire, black opposite black.
6. Remove locknut (C) holding the power cord ground wire (green) (D) to the head end casing. Note position of the ground wire among the others. Remove wire.
   **NOTE**
   Replace the power cord ground wire exactly at the same position it was before being removed.
7. Use pliers to squeeze the strain relief bushing (E) and remove it from its location by pulling the cable from under the head end casing. Remove bushing from cable.
8. Remove connector (A) from end of power cord to remove power cord from head end casing.
   **NOTE**
   Do not install connector before having inserted the power cord extremity in the head end casing through the orifice provided. Remember that the connector does not pass through the orifice provided for the power cord.
9. Remove defective power cord.
10. Reverse the above steps to install replacement power cord.
11. Test power cord for proper operation before returning bed to service.

### 4.11 NIGHT LIGHT SYSTEM COMPONENT REPLACEMENT

**NOTE**
The following procedure aims at troubleshooting and replacing a defective part in the photoelectric night light assembly.

1. Raise bed to maximum elevation and lock casters.
2. Put the head side-rails in the down position and raise the foot side-rails.
3. Raise the Knee Gatch to the high position.
4. Unplug the power cord from the wall receptacle.
5. Remove the head panel.
6. Manually lift and fold the foot section back towards the head end of the bed (see figure 4.1 in Appendix B).
7. Remove night light located on the left rail at the foot end of the bed (see fig. 4.11, page 37).
8. Check bulb and replace if necessary with a 120V, 7W type bulb and/or check that bulb is correctly inserted into the socket. Plug night light into a 120V wall power receptacle and mask the photoelectric cell. Does the bulb light up?
   - **NO:** Proceed to step 9. **YES:** Plug night light back into bed socket.
   - Does night light work properly when plugged back to bed and photo cell masked?
     - **NO:** Proceed to step 9. **YES:** End the procedure.
9. Replace photoelectric night light with a new 120V, 7.5W max. type and test on a 120V wall power receptacle for proper functioning. Plug night light back into bed socket.
   - Does night light work properly when plugged back to bed and photo cell masked?
     - **NO:** Proceed with step 10. **YES:** End the procedure.
10. Remove night light from the bed socket.
11. Use the necessary equipment for proper static protection (see "Static Discharge Precautions, page 8").
12. Remove the 12 screws (A, B, fig. 4.7A, page 32) holding the foot end casing cover (C, fig. 4.7A, page 32) and the two IV pole holders (E, fig. 4.7A, page 32) to the foot end casing.

13. Lift up and hold cover while disconnecting from the PC Board the On/Off switch cable (F, fig. 4.7A, page 32) and the PC Board to foot end casing connector cable (G, fig. 4.7A, page 32). Note carefully the connecting positions of the cable connectors to the PC Board connectors (On/Off switch: cable connector green wire facing pin 11; foot end casing connector cable: connector black wire facing pin 1). Lay cover aside.

14. Disconnect the night light cable connector (A) from the PC Board power cord connector (B). Note the connecting position of the connectors, white wire facing white wire, black facing black.

15. Cut the cable tie holding cables together.

16. Remove the 3 screws (C) holding the rail cover (D) to the left rail and slowly remove rail cover from its location. The night light wiring will follow.

17. Make necessary tests to detect faulty component.

18. Reverse steps to install night light assembly with replacement component.

19. Test night light for proper operation before returning bed to service.
4.12 120V AUXILIARY OUTLET COMPONENT REPLACEMENT

**WARNING**
Always unplug the power cord from the wall outlet when cleaning or servicing the bed.

**Danger:** 120V current.

**NOTE**
The following procedure aims at troubleshooting and replacing a defective part in the 120V auxiliary outlet assembly.

1. Raise the bed to high position and lock casters.
2. Unplug the power cord from the wall receptacle.
3. Remove the 12 screws (A, B, fig. 4.7A, page 32) holding the foot end casing cover (C, fig. 4.7A, page 32) and the two IV pole holders (E, fig. 4.7A, page 32) to the foot end casing.
4. Lift up and hold cover while disconnecting from the PC Board the On/Off switch cable (F, fig. 4.7A, page 32) and the PC Board to foot end casing connector cable (G, fig. 4.7A, page 32). Note carefully the connecting positions of the cable connectors to the PC Board connectors (On/Off switch: cable connector green wire facing pin 11; foot end casing connector cable: connector black wire facing pin 1). Lay cover aside.
5. Disconnect the two wires (A) connected to the 5A circuit breaker (note their connecting positions) and remove circuit breaker (B) from its location by squeezing both sides simultaneously and passing it through its housing aperture.
6. Test the circuit breaker.
   - if defective, proceed with step 7 through step 9 and end procedure.
   - if functioning properly, go to step 10.
7. Replace the defective circuit breaker with a new 5A type circuit breaker.
8. Reverse steps to reassemble the auxiliary outlet with the replacement 5A circuit breaker.
9. Test auxiliary outlet for proper operation before returning bed to service.
End of procedure.

![Figure 4.12](image)
10. Remove the screw (C) holding the duplex receptacle (D) to the housing.
11. Loosen the screws holding the wires to the duplex receptacle. Note their connecting positions.
12. Test the duplex receptacle.
   - if defective, proceed with step 13 through step 15 and end procedure.
   - if functioning properly, go to step 16.
13. Replace defective duplex receptacle by one of the same type (Leviton 8200-W).
14. Reverse above steps to reassemble auxiliary outlet with replacement duplex receptacle.
15. Test auxiliary outlet for proper operation before returning bed to service.
End of procedure.
16. Disconnect auxiliary outlet cable (E) from PC Board.
17. Remove locknut (F) holding cable ground wire (G) to the PC Board housing and remove outlet cable. Note the position of the ground wire among the other.

**NOTE**
Replace the auxiliary outlet cable ground wire exactly at the same position it was before being removed.
18. Test the auxiliary outlet cable:
   - if defective, proceed with step 19 through 21.
   - if functioning properly, suspect a problem with the PC Board (refer to section 4.8 for the PC Board Replacement procedure).
19. Replace defective auxiliary outlet cable.
20. Reverse above steps to reassemble auxiliary outlet with replacement cable.
21. Test auxiliary outlet for proper operation before returning bed to service.

### 4.13 MATTRESS SUPPORT SECTION REPLACEMENT

#### Foot Section Replacement

1. Raise the bed to high position and lock casters.
2. Put the head side-rails in the down position and raise the foot side-rails.
3. Raise the Knee Gatch to maximum height.
4. Unplug the power cord from the wall receptacle.
5. Manually lift and fold the foot section back towards the head end of the bed (see figure 4.1 in Appendix B).
6. Remove from the foot section the parts that will be transferred to the replacement foot section, i.e. foot mattress retainer (B), prop rod (C) and side mattress retainers (two) (A).
7. Remove both foot end side-rail assemblies. Refer to the "Foot End Side-Rail Replacement" procedure, section 4.1, page 24.
8. Manually bring the foot section back to normal position. Plug the bed power cord and bring the Knee Gatch down to flat position. Unplug bed power cord again.
9. Remove the two bolts/shoulder spacers/flat washers/locknuts (D) linking the foot and thigh sections together and remove the foot section.
10. Reverse the above steps to install replacement foot section.
11. Test foot section mobility for proper operation before returning bed to service.

**Thigh Section Replacement**

**NOTE**

Before ordering a replacement thigh section, check if the bed is equipped with the Auto Contour option and, if so, mention it when ordering the part.

![Figure 4.13B](image)

1. Raise the bed to high position, lock casters and bring mattress support to horizontal position.
2. Unplug the power cord from the wall receptacle.
3. Lower the four safety side-rails without pushing them against the bed.
4. Remove the Rue ring/washer/nylon washers(2)/clevis pin (A, fig. 4.14, page 44 ) hooking up the Knee Gatch actuator tube to the thigh section lever arm.

**NOTE**

Apply grease on the clevis pin and the nylon washers before hooking back the thigh section to the actuator tube.

5. Remove the four bolts/shoulder spacers/flat washers/locknuts (A) linking the thigh section to the foot and centre sections. Remove thigh section.
6. **If the bed is equipped with the Auto Contour option**, remove the two screws (B) holding the micro switch activator (C) underneath the thigh section and save activator for the replacement thigh section.

**NOTE**
Apply grease on the activator after having replaced it back underneath the replacement thigh section.

7. Reverse the above steps to install replacement Knee Gatch section.
8. Test Knee Gatch mobility for proper operation before returning bed to service.

**Centre Section Replacement**

![Diagram of bed sections](image)

**Figure 4.13C**

1. Raise the bed to high position, lock casters and bring mattress support to horizontal position.
2. Unplug the power cord from the wall receptacle.
3. Lower the four side-rails without pushing them against the bed.
4. Remove the four bolts/shoulder spacers/flat washers/locknuts (A) linking the centre section to the thigh and head sections.
5. Remove the four bolts/washers (B) holding the centre section to the mobile frame and remove centre section.

**NOTE**
Before replacing the bolts, apply medium strength tread locker (blue) on the bolt treads.

6. Reverse the above steps to install replacement centre section.
7. Test Fowler and Knee Gatch mobility for proper operation before returning bed to service.
Head Section Replacement

Bed without Optional CPR

1. Raise the bed to high position, lock casters and bring mattress support to horizontal position.
2. Remove the head board.
3. Raise Fowler to high position.
4. Unplug the power cord from the wall receptacle.
5. Remove both head safety side-rails. Refer to the "Head Safety Side-Rail Replacement" procedure, section 4.1, page 24).
6. Remove the two mattress side retainers (A) and save them for the replacement head section.
7. Plug the bed power cord and bring Fowler back to horizontal position.
8. Remove the Rue ring/washer/nylon washers(2)/clevis pin (G, fig. 4.14, page 44) hooking up the head actuator tube to the head section lever arms.

NOTE
Apply grease on the clevis pin and the nylon washers before hooking up the actuator tube to the head section.

9. Manually lift the head section completely and attach it to the foot section using a ratchet tie-down strap to stabilize it.
10. Remove the bolt/locknut (E) holding the upper part of the compression bar (F) to the head section and lay it down.

11. Remove the bolt/flat washers(2)/locknut (G) linking the lower part of the compression bar to the head section and remove the compression bar.

12. Remove the two bolts/shoulder spacers(4)/locknuts (B, fig. 4.13D, page 41) holding the upper part of the two head arms (C, fig. 4.13D, page 41) to the head section. Lay them down.

13. Remove the ratchet tie-down strap and bring the head section back to horizontal position.

14. Remove the two bolts/shoulder spacers/flat washers/locknuts (D, fig. 4.13D, page 41) linking the head section to the centre section. Remove the head section.

15. Reverse the above steps to install replacement head section.

16. Test Fowler mobility for proper operation before returning bed to service.

**Bed with Optional CPR**

**WARNING**

When activating the CPR release, all people and equipment must be removed from the area below and around the head and foot sections of the bed or serious personal injury or damage to equipment could occur.

1. Raise the bed to high position, lock casters and bring mattress support to horizontal position.
2. Remove the head board.
3. Raise Fowler to high position.
4. Unplug the power cord from the wall receptacle.
6. Remove the two mattress side retainers (A, fig. 4.13D, page 41) and save them for the replacement head section.
7. Plug the bed, bring Fowler back to horizontal position and unplug the bed.

8. Remove the Rue ring/washer/nylon washers(2)/clevis pin (G, fig. 4.14, page 44) hooking up the head actuator tube to the head section lever arms.

**NOTE**
Apply grease on the clevis pin and the nylon washers before hooking up the actuator tube to the head section.

9. Manually lift the head section completely and attach it to the foot section using a ratchet tie-down strap to secure its position.

10. Remove locknut (E) holding the activation rod (F) to the activation lever, disengage rod and lay it down.

11. Remove the four bolts/flat washers/locknuts (G) holding the CPR support (H) to the head section and remove CPR support.

12. Disconnect the two wires (J) from the micro switch. Note the wire connecting positions.

13. Remove the bolt/locknut (K) holding the upper part of the small locking lever to the head section and lay the assembly down.

14. Remove the bolt/shoulder spacers(2)/locknut (L) linking the upper part of the mattress support lever to the head section and lay assembly aside.

15. Remove the two bolts/shoulder spacers(4)/locknuts (B, fig. 4.13D, page 41) holding the upper part of the two head arms (C, fig. 4.13D, page 41) to the head section. Lay them down.

16. Remove the ratchet tie-down strap and bring the head section back to horizontal position.

17. Remove the two bolts/shoulder spacers/flat washers/locknuts (D, fig. 4.13D, page 41) linking the head section to the centre section. Remove head section.

18. Reverse the above steps to install replacement head section.

19. Test Fowler mobility and instant CPR release for proper operation before returning bed to service.
4.14 ACTUATOR REPLACEMENT

NOTE
Unless otherwise stated, all reference points of each actuator replacement procedure will refer to figure 4.14 above.

Figure 4.14
Knee Gatch Actuator Replacement

1. Raise bed to maximum elevation, lock casters and bring mattress support to horizontal position.
2. Bring the head safety side-rails down and raise the foot safety side-rails.
3. Unplug the power cord from the wall receptacle.
4. Remove the foot board.
5. Remove the Rue ring/washer/nylon washers(2)/clevis pin (A) holding the Knee Gatch actuator tube to the thigh section lever arms.

NOTE
Apply grease on the clevis pin and the nylon washers before hooking up the actuator tube to the thigh section.

6. Manually lift and fold the foot and thigh sections back towards the head end of the bed until they come to rest on the head section.
7. Remove the 12 screws (A, B, fig. 4.7A, page 32) holding the foot end casing cover (C, fig. 4.7A, page 32) and the two IV pole holders (E, fig. 4.7A, page 32) to the foot end casing.
8. Lift up and hold cover while disconnecting from the PC Board the On/Off switch cable (F, fig. 4.7A, page 32) and the PC Board to foot end casing connector cable (G, fig. 4.7A, page 32). Note carefully the connecting positions of the cable connectors to the PC Board connectors (On/Off switch: cable connector green wire facing pin 11; foot end casing connector cable: connector black wire facing pin 1). Lay cover aside.
9. Disconnect the Knee Gatch actuator cable (B) from the PC Board and disengage it from the strain relief bushing (C).
10. Loosen the bolt (D) holding the Knee Gatch actuator to the bracket until the actuator can be rotated downward and removed from its location.

NOTE
Apply grease on the bolt, the spring washer and the inner sides of the bracket, including the pivot pin, when reassembling the actuator.

11. Reverse the above steps to install the replacement Knee Gatch actuator.

CAUTION
It is of utmost importance that the Knee Gatch replacement actuator be adjusted prior to hooking up its tube to the thigh section. An improper adjustment of the actuator can damage the bed mechanisms.

11.1 Proceed as follow to adjust the new Knee Gatch actuator:
- Plug the bed. Make sure that the Knee Gatch actuator cable is connected to the PC Board.
- Hold firmly the actuator tube and run the Knee Gatch actuator up for a few seconds then run it down until it stops. This will be the Knee Gatch actuator lower limit.
- Turn, if needed, the tube in either direction to align the tube holes with the thigh lever arm holes and insert clevis pin.
12. Test Knee Gatch for proper operation before returning bed to service.
**Head Actuator Replacement**

1. Raise bed to high position, lock casters and bring Fowler to horizontal position.
2. Raise the Knee Gatch to high position.
3. Unplug the power cord from the wall receptacle.
4. Remove the foot board.
5. Manually lift and fold the foot section back towards the head end of the bed (see figure 4.1 in Appendix B).
6. Remove the 12 screws (A, B, fig. 4.7A, page 32) holding the foot end casing cover (C, fig. 4.7A, page 32) and the two IV pole holders (E, fig. 4.7A, page 32) to the foot end casing.
7. Lift up and hold cover while disconnecting from the PC Board the On/Off switch cable (F, fig. 4.7A, page 32) and the PC Board to foot end casing connector cable (G, fig. 4.7A, page 32). Note carefully the connecting positions of the cable connectors to the PC Board connectors (On/Off switch: cable connector green wire facing pin 11; foot end casing connector cable: connector black wire facing pin 1). Lay cover aside.
8. Disconnect the head actuator cable (E) from the PC Board and disengage it from the strain relief bushing (F).
9. Remove the Rue ring/washer/nylon washers(2)/clevis pin (G) holding the head actuator tube to the head section lever arms.

**NOTE**

Apply grease on the clevis pin and the nylon washers before hooking up the actuator tube to the head section.

10. Loosen the bolt (H) holding the head actuator to the bracket until the actuator can be rotated downward and removed from its location.

**NOTE**

Apply grease on the bolt, the spring washer and the inner sides of the bracket, including the pivot pin, when reassembling the actuator.

11. Reverse the above steps to install the replacement head actuator.

---

**CAUTION**

**It is of utmost importance** that the head replacement actuator be adjusted prior to hooking up its tube to the head section. An improper adjustment of the actuator can damage the bed mechanisms.

11.1. Proceed as follow to adjust the new head actuator:

- Plug the bed. Make sure that the head actuator cable is connected to the PC Board.
- Hold firmly the actuator tube and run the head actuator up for a few seconds then run it down until it stops. This will be the head actuator lower limit.
- Turn, if needed, the tube in either direction to align the tube holes with the head lever arm holes and insert clevis pin.

12. Test Fowler for proper operation before returning bed to service.
Hi-lo Actuator Replacement

NOTE
In order to preserve the adjustment of the bed lowest position when replacing a Hi-lo actuator, a special tool kit designed for that purpose must be used.
To obtain this kit, contact our Service department (see section 1.2) and order part number KR0054.

1. Bring the head side-rails down and raise the foot side-rails.
2. Raise Fowler by approximately 50°, so that the loosening of the bolt (L) holding the Hi-lo actuator to its support is not hindered.
3. Raise the Knee Gatch to the high position.
4. Manually lift and fold the foot section back towards the head end of the bed (see figure 4.1 in Appendix B).
5. Place the alignment jigs on the base of the bed as illustrated in figure 4.14A in Appendix B.
6. Lower the bed until it rests completely on the jigs. If one or both Hi-lo actuators are defective, use a ratchet and the socket included in the tool kit to lower the bed on the jigs.
7. Unplug the power cord from the wall receptacle.
8. Disconnect the actuator cable (J) connector and cut the cable ties holding it onto the frame.
9. Remove the Rue ring/washer/nylon washers(2)/clevis pin (K) holding the Hi-lo actuator tube to the Hi-lo lever arms.

NOTE
Apply grease on the clevis pin and the nylon washers before hooking back the actuator tube to the Hi-lo lever arms.

10. Loosen the bolt (L) holding the Hi-lo actuator to the bracket until the actuator can be rotated downward and removed from its location.

NOTE
Apply grease on the bolt, the spring washer and the inner sides of the bracket, including the pivot pin, when reassembling the actuator.

11. Reverse the above steps to install replacement Hi-lo actuator.

It is of utmost importance that the Hi-lo replacement actuator be adjusted prior to hooking up its tube to the Hi-lo lever arms. An improper adjustment of the actuator can damage the bed mechanisms.

11.1. Proceed as follow to adjust the new Hi-lo actuator:

- Plug the bed. Make sure that the Hi-lo actuator cable is connected.
- Hold firmly the actuator tube and run the Hi-lo function up for a few seconds then run it down until it stops. This will be the Hi-lo actuator lower limit.
- Turn, if necessary, the tube in either direction to align the tube holes with the Hi-lo lever arm holes and insert clevis pin.

12. Test Hi-lo function for proper operation before returning bed to service.
4.15 ACTUATOR SCREW LUBRICATION PROCEDURE

The basic rule to grease the actuator screws is to extend the actuator to its maximum length so as to uncover a maximum of its screw treads.

NOTE
Unless otherwise stated, refer to fig. 4.14, page 45 for illustration of the reference points mentioned in this section.

Head and Knee Gatch Actuator Screws
1. Raise the bed to high position and lock casters. Bring the head side-rails down and raise the foot side-rails.
2. Raise Fowler to the high position (in this position, the head actuator will reach its maximum extension) and bring Knee Gatch down until flat (in this position, the Knee Gatch actuator will reach its maximum extension).
3. Unplug the power cord from the wall receptacle.
4. Manually lift and fold the foot section back towards the head end of the bed. You must secure this position by tying the foot section to another part of the bed head end section with a ratchet tie-down strap.
5. Remove the two screws (M) holding the plastic dust tubes (N) of the head and Knee Gatch actuators (the two screws and the dust tube of the Knee Gatch are not illustrated on fig. 4.14) and remove dust covers to uncover the actuator screws.
6. Apply grease all over the screw treads with a brush making sure the grease reaches the bottom of the treads and replace the two dust covers.
7. Remove the ratchet tie-down strap, replace the foot section to horizontal position and run both head section and Knee Gatch up and down completely a few times to spread grease evenly.
8. Test Knee Gatch and Fowler mobility for proper operation before returning bed to service.

Head Actuator Screw Guide
1. Raise bed to high position, lock casters and bring Fowler to horizontal position.
2. Raise the Knee Gatch to high position and remove the foot board.
3. Unplug the power cord from the wall receptacle.
4. Manually lift and fold the foot section back towards the head end of the bed (see figure 4.1 in Appendix B).
5. Remove the 12 screws (A, B, fig. 4.7A, page 32) holding the foot end casing cover (C, fig. 4.7A, page 32) and the two IV pole holders (E, fig. 4.7A, page 32) to the foot end casing.
6. Lift up and hold cover while disconnecting from the PC Board the On/Off switch cable (F, fig. 4.7A, page 32) and the PC Board to foot end casing connector cable (G, fig. 4.7A, page 32). Note carefully the connecting positions of the cable connectors to the PC Board connectors (On/Off switch: cable connector green wire facing pin 11; foot end casing connector cable: connector black wire facing pin 1). Lay cover aside.
7. Disconnect the head actuator cable (E) from the PC Board and disengage it from the strain relief bushing (F).
8. Remove the Rue ring/washer/nylon washers(2)/clevis pin (G) holding the head actuator tube to the head section lever arms.

NOTE
Apply grease on the clevis pin and the nylon washers before hooking up the actuator tube to the head section.
9. Loosen the bolt (H) holding the head actuator to its bracket until the actuator can be rotated downward and removed from its location. Lay actuator on a workbench.

**NOTE**
Apply grease on the bolt, the spring washer and the inner sides of the bracket, including the pivot pin, when reassembling the actuator.

10. Remove the two screws (M) holding the plastic dust cover (N) to the actuator and remove cover.

11. Unscrew the actuator tube (Q) until you see through the tube holes (P) (holes used to hook the actuator tube to the head section) the screw nylon guide (O). Unscrew the tube a little more until the nylon guide has passed the tube holes.

12. Apply grease generously into the actuator tube through the holes.

13. Screw the actuator tube back into original position (approximately). Do not worry about the position where you will bring back the tube, the final adjustment at step 15.1 will correctly position the tube.

14. Reverse above steps to replace the head actuator. Run Fowler a few time up and down completely to spread grease and check and to check its functioning.

---

**CAUTION**

*It is of utmost importance* that the head actuator be adjusted prior to hooking up its tube to the head section. An improper adjustment of the actuator can damage the bed mechanisms.

15.1. Proceed as follow to adjust the head actuator:

- Plug the bed. Make sure that the head actuator cable is connected to the PC Board.
- Hold firmly the actuator tube and run the head actuator up for a few seconds then run it down until it stops. This will be the head actuator lower limit.
- Turn the tube in either direction to line up the tube holes with the head lever arm holes and insert clevis pin.

**Hi-lo Actuator Screws**

1. Raise the bed to high position (in this position, the two Hi-lo actuators will reach their maximum extension) and lock casters.
2. Raise Fowler and Knee Gatch to the high position.
3. Unplug the power cord from the wall receptacle.
4. Bring the head side-rails down and raise the foot side-rails.
5. Manually lift and fold the foot section back towards the head end of the bed (see figure 4.1 in Appendix B).
6. Remove the two screws (R) holding the tube support (S) of the two Hi-lo actuators and remove the tube supports to uncover the actuator screws.
7. Apply grease all over the screw treads with a brush making sure the grease penetrates to the bottom of the treads.
8. Replace the two tube supports.
9. Replace the foot section to horizontal position and run the Hi-lo function up and down completely a few times to spread grease evenly and test Hi-lo mechanism.
4.16 CPR MECHANISM SPRINGS AND/OR DAMPER REPLACEMENT

WARNING
When activating the CPR release, all people and equipment must be removed from the area below and around the head and foot sections of the bed or serious personal injury or damage to equipment could occur.

NOTE
Unless otherwise stated, refer to fig. 4.13F, page 44 for illustration of the reference points mentioned in this section.

1. Raise the bed to high position, lock casters and bring mattress support to horizontal position.
2. Remove the head board.
3. Free the head actuator tube by removing the Rue ring/washer/nylon washers(2)/clevis pin (G, fig. 4.14, page 44) holding it to the head section lever arms.

NOTE
Apply grease on the clevis pin and the nylon washers before hooking up the actuator tube to the head section.

4. Manually lift the head section to maximum height and attach it to the foot section using a ratchet tie-down strap.
5. Unplug the power cord from the wall outlet.
6. Remove nut (E) holding the activation rod (F) to the activation lever, disengage rod and lay it down.
7. Remove the bolt/locknut (K) holding the upper part of the small locking lever to the head section and lay the assembly down.
8. Remove the bolt/shoulder spacers(2)locknut (L) linking the upper part of the mattress support lever to the head section. Remove the CPR mechanism and lay on a workbench.
9. Replace defective part (springs and/or damper) in the CPR mechanism and lay on a workbench.

NOTE
Apply grease on the damper bearings before replacing the damper.

10. Reverse above steps to install CPR mechanism.
11. Test CPR mechanism for proper operation before returning bed to service.
4.17 CPR MICRO SWITCH REPLACEMENT

**WARNING**
When activating the CPR release, all people and equipment must be removed from the area below and around the head and foot sections of the bed or serious personal injury or damage to equipment could occur.

**Micro Switch Located Under the Head Section**

1. Raise the bed to the high position and lock casters.
2. Raise Fowler to the high position and attach it to the foot section using a ratchet tie-down strap to prevent the head section from dropping off when the upper part of the small locking lever is removed from the head section.
3. Unplug the power cord from the wall receptacle.
4. Remove head panel.
5. Disconnect the two wires (J, fig. 4.13F, page 43) from the micro switch. Note the wire connecting positions.
6. Remove the bolt/locknut (K, fig. 4.13F, page 43) linking the upper part of the small locking lever to head section. Disengage lever and lay the assembly down.

![Figure 4.17](image)

7. Remove the two screws (A) holding the micro switch (B) to the head section long lever. Keep the mounting plate (C). Remove defective micro switch.
8. Reverse the above steps to install replacement micro switch.
9. Test CPR mechanism for proper operation before returning bed to service.
Micro Switch Located Under the Mattress Support

1. Raise the bed to the high position and lock casters.
2. Raise Knee Gatch to maximum height.
3. Manually lift and fold the foot section back towards the head end of the bed (see figure 4.1 in Appendix B).
4. Remove the two screws (A) holding the micro switch support (B) to the mobile frame right rail. Remove support.
5. Disconnect the two wires (C) from the micro switch (D). Note the wire connecting positions.
6. Remove the two screws (E) holding the micro switch to its support.
7. Reverse the above steps to install replacement micro switch.
8. Test CPR mechanism for proper operation before returning bed to service.

Figure 4.17A
4.18 AUTO CONTOUR MICRO SWITCH REPLACEMENT

Knee Gatch Micro Switch
1. Raise the bed to the high position and lock casters.
2. Unplug the power cord from the wall receptacle.
3. Remove the two screws (A) holding the micro switch support (B) to the mobile frame left rail. Remove support.
4. Disconnect the two wires (C) from the micro switch (D). Note the wire connecting positions.
5. Remove the two screws (E) holding the micro switch to its support and remove micro switch.
6. Reverse the above steps to install replacement micro switch.
7. Test Auto Contour function for proper operation before returning bed to service.

Head Section Micro Switch
1. Raise the bed to the high position and lock casters.
2. Raise Fowler to approximately 40 degrees.
3. Remove the two screws (F) holding the micro switch support (G) to the mobile frame left rail. Remove support.
4. Disconnect the two wires (H) from the micro switch (J). Note the wire connecting positions.
5. Remove the two screws (K) holding the micro switch to its support and remove micro switch.
6. Reverse the above steps to install replacement micro switch.
7. Test Auto Contour function for proper operation before returning bed to service.

Figure 4.18
4.19 BRAKE / STEER PEDAL REPLACEMENT

1. Raise the bed to the high position, lock casters and unplug the power cord.
2. Bring pedal to horizontal position (neutral) and remove the machine screw (A) located at the end of the right or left pedal shaft. **Note that in prior versions (beds with serial number ≤ C01340), the GO BED is equipped with a protective cap instead of a machine screw. If it's the case with your bed, disregard the following note and proceed with step 5.**

**NOTE**
Before replacing the machine screw, apply medium strength tread locker (blue) on its tread. When reassembling, the machine screw must first be inserted and tightened **before** tightening the pressure screws mentioned in steps 5 and 6.

3. Remove the pressure screw (G, fig. 4.20, page 55) located on the right or left socket (H, fig. 4.20, page 55) of the 5th wheel activation lever (J, fig. 4.20, page 55).

**NOTE**
Before replacing the pressure screw, apply medium strength tread locker (blue) on its tread.

4. Remove the pressure screw (B) located on the head or foot locking lever (E).

**NOTE**
Before replacing the pressure screw, apply medium strength tread locker (blue) on its tread.

5. Remove the defective pedal. Leave the pedal sleeve (C) in place. Keep the two nylon washers (D).

**NOTE**
Apply grease on the new pedal shaft before placing it.

6. Reverse the above steps to install replacement pedal. Be sure to position the pedal horizontally (neutral) before inserting its shaft into the sockets of the locking lever and the 5th wheel activation lever. Test pedal for proper operation.

**NOTE**
When inserting the pedal shaft into the sockets, make sure that the locking lever (E) is vertically positioned and that the upper flat part of the 5th wheel activation lever (J, fig. 4.20, page 55) is parallel to the floor (bring the wheel near the floor by exerting a pressure on it to ease this operation).
### 4.20 5TH WHEEL MECHANISM COMPONENT REPLACEMENT

**NOTE**
Unless otherwise stated, all reference points mentioned in the procedures contained in section 4.20 will refer to figure 4.20 below.

![Diagram of 5th Wheel Mechanism](image)

**Figure 4.20**

**5th Wheel Replacement**
1. Raise the bed to the high position.
2. Unplug the power cord from the wall receptacle.
3. Bring pedal to horizontal position (neutral).
4. Remove the bolt/locknut (F) holding the 5th wheel to the swing arms. Remove defective wheel.
5. Reverse the above steps to install the replacement 5th wheel.
6. Test 5th wheel for proper operation before returning bed to service.

**5th Wheel Activation Lever (J, fig. 4.20) Replacement**
1. Raise the bed to the high position and lock casters.
2. Unplug the power cord from the wall receptacle.
3. Bring pedal to horizontal position (neutral).
4. Remove the machine screw (A, fig. 4.19, page 54) located at the end of the right and left pedal shafts. **Note that in prior versions (beds with serial number ≤ C01340), the GO BED is equipped with protective caps instead of machine screws. If it's the case with your bed, disregard the following note and proceed with step 5.**

**NOTE**
Before replacing the machine screws, apply medium strength tread locker (blue) on their treads. When reassembling, the machine screws must first be inserted and tightened before tightening the pressure screws mentioned in steps 5 and 6.

5. Remove the pressure screws (G) located on the right and left sockets (H) of the 5th wheel activation lever (J).

**NOTE**
Before replacing the pressure screws, apply medium strength tread locker (blue) on their treads.

6. Remove the pressure screws (B, fig. 4.19, page 54) located on the head and foot locking levers (E, fig. 4.19, page 54).

7. Gradually pull out each pedal until the pedal shafts (K) disengage from the 5th wheel activation lever sockets (H), then stop.

8. Remove the two bolts/shoulder spacers (4)/locknuts (L) holding both extremities of the activation lever to the upper part of the two counter-levers (M).

9. Remove the 5th wheel activation lever (J).

10. Reverse the above steps to install the replacement 5th wheel activation lever.

**NOTE**
Be sure to position the activation lever horizontally before inserting each pedal shaft into its corresponding socket. To do so, position the top flat part of the lever parallel to the floor (bring 5th wheel near the floor by pressing it to facilitate this operation).

11. Test 5th wheel mechanism for proper operation before returning bed to service.

### 5th Wheel Swing Arm Assembly Replacement

**NOTE**
Although the 5th wheel swing arm assembly is shown with its different components in the Parts Lists 5th wheel drawing, it is sold completely assembled, except for the 5th wheel, when needed for a replacement on a GO BED.

1. Raise the bed to the high position and lock casters.
2. Unplug the power cord from the wall receptacle.
3. Bring pedal to horizontal position (neutral).
4. Remove the machine screws (A, fig. 4.19, page 54) located at the end of the right and left pedal shafts. **Note that in prior versions, the GO BED is equipped with protective caps instead of machine screws. If it's the case with your bed, disregard the following note and proceed with step 5.**

**NOTE**
Before replacing the machine screws, apply medium strength tread locker (blue) on their treads. When reassembling, the machine screws must first be inserted and tightened before tightening the pressure screws mentioned in steps 5 and 6.

5. Remove the pressure screws (G) located on the right and left sockets (H) of the 5th wheel activation lever (J).

**NOTE**
Before replacing the pressure screws, apply medium strength tread locker (blue) on their treads.
6. Remove the pressure screws (B, fig. 4.19, page 54) located on the head and foot locking levers (E, fig. 4.19, page 54).

7. Remove both pedals completely. Remove the two pedal sleeves (C, fig. 4.19, page 54). Keep the four nylon washers (D, fig. 4.19, page 54).

**NOTE**
Apply grease on the pedal shafts before replacing them.

8. Remove the bolt/locknut (N) holding each 5th wheel mechanism support (O) to the retaining plates (P).

**NOTE**
When reassembling, tighten definitely the bolts/locknuts holding the supports to the retaining plates only after the pedal shafts are inserted into the lever sockets. Do not tighten too strongly, the supports could buckle.

9. Remove the complete 5th wheel mechanism from the retaining plates by doing the following:
   - Slide both 5th wheel mechanism supports (O) inside the retaining plate (P) towards the head of the bed and rotate them downwards through the orifice provided at the bottom of the retaining plates. The supports will then be partially disengaged from the plates.
   - Seize both supports and position them diagonally to completely disengage them from the retaining plates.

**NOTE**
Note the spring positions and the position of the two supports when removing them from the retaining plates, mark their position to help their reassembly.

10. Remove the supports (O) from the 5th wheel mechanism. Keep the torsion springs (Q).

11. Remove the bolts/shoulder spacers(4)/locknuts (R) holding the torsion levers (S) to the lower part of the two counter-levers (M).

12. Remove the two torsion levers (S) from both ends of the torque shaft (T) by first removing the two locknuts (U) then the two screws (V).

**NOTE**
Apply grease on the portion of the torsion levers that inserts into the nylon bushings (W) before replacing them.

When reassembling, screw down tightly the two screws (V) holding the torsion levers to the torque shaft before tightening the two locknuts (U).

13. Remove bolt/nut (F) holding the 5th wheel to the swing arm and remove wheel.

14. Reverse the above steps to install the replacement swing arm assembly. Read carefully the following note to properly reinstall the pedals.

**NOTE**
Be sure to position the pedal horizontally (neutral) when inserting its shaft into the sockets of the locking levers and the 5th wheel activation levers.

When inserting the pedal shaft into the sockets, make sure that the locking lever is vertically positioned and that the upper flat part of the 5th wheel activation lever is parallel to the floor (bring the 5th wheel near the floor by exerting a pressure on it to ease this operation).

15. Test 5th wheel mechanism for proper operation before returning bed to service.
4.21 CASTER REPLACEMENT

1. Raise the bed enough to place under the frame at the head or foot end of the bed (depending on the caster to be changed) two jack stands adjusted to a height of 20" (see figure 4.21A in Appendix B).
2. Lower the bed until it rests on the jack stands and the caster lower part is at least 5" clear of the ground.
3. Unplug the power cord from the wall receptacle.
4. Remove the two pop-on screw covers (A) and the two screws (B) holding the caster cover (C) to the base.
5. If the caster to be replaced is part of the locking mechanism, proceed with step 9.
   If the caster to be replaced is not part of the locking mechanism, proceed with step 6 through step 8 and end procedure.
6. Support the caster while removing the bolt/washer (H) holding the caster shaft to the mounting socket (J) and remove caster.
7. Reverse the above steps to install the replacement caster.
8. Test casters before returning bed to service

End of procedure.
9. Remove the rue ring (D) at the inner end of the locking axle (E).
10. Remove the pressure screw (F) located on the locking lever (G) and remove locking lever from the locking axle. Keep the nylon washer (K).

NOTE
Before replacing the pressure screw, apply medium strength tread locker (blue) on its tread.
11. Remove the bolt/washer (H) holding the caster shaft to the mounting socket (J).

**NOTE**
Before replacing the bolt, apply medium strength tread locker (blue) on its tread.

12. Support caster while pulling the locking axle (E) out its location. Note the nearly vertical position of the Rue ring hole to correctly replace the locking axle later on. Remove caster.

**NOTE**
Ensure that the pedal is in horizontal position when the locking axle is inserted into the new caster shaft orifice.

13. Reverse the above steps to install the replacement caster. Read the following note carefully before completing the installation of the replacement caster.

**NOTE**
The shaft of a caster which is part of the locking mechanism must be oriented correctly before attaching it to the mounting socket, otherwise the caster will not lock when the brake pedal is activated.

13.1. Perform the following steps to correctly orient the caster shaft before finalizing the replacement caster installation:

- Ensure the new caster shaft mechanism is in the neutral position (brake/steer pedal horizontal). To do so, insert the locking axle in the new caster shaft orifice and rotate the locking axle using a 7/16" open key to identify the three possible positions of the shaft mechanism: 5th wheel engaged, neutral, brake engaged. Set the mechanism to the neutral position (middle position). Once done, remove the locking axle from the caster shaft orifice.

- Insert the caster shaft into the mounting socket (J) and insert the locking axle (E) completely (reverse the pulled out move with the Rue ring hole nearly vertical). Replace the locking lever on the locking axle (make sure the pedal is in the neutral position before replacing the locking lever on the locking axle), but not completely so as to have enough room between the mounting socket (J) and the locking lever to insert a 7/16" open key.

- Using the 7/16" open key, rotate the locking axle while observing the pedal movements created by the rotation of the axle, it will occupy three positions:
  - Green side of the pedal depressed: 5th wheel engaged.
  - Pedal in horizontal position: neutral position.
  - Red side of the pedal depressed: locking system engaged.

- When the pedal red side is depressed, check if the caster locks. If the caster does not lock, the shaft is incorrectly oriented.

- Remove the locking lever and the locking axle (E) while supporting the caster. Remove caster and rotate its shaft 180°. Replace caster shaft into the mounting socket and replace locking axle and locking lever as previously described. Rotate again the axle while observing the pedals movement created by the rotation of the axle.

- This time, when the pedal red side depresses, the caster should lock. The caster shaft is now correctly oriented and its installation can now be finalized.

14. Test casters and locking system for proper operation before returning bed to service.
4.22 HI-LO LEVER REPLACEMENT

1. Raise the bed to the high position and lock casters.
2. Adjust mattress support depending on the Hi-lo lever to be replaced:
   - Hi-lo lever located at the head end of the bed
     Raise Fowler to maximum.
   - Hi-lo lever located at the foot end of the bed
     Lower the head safety side-rails and raise the foot side-rails. Raise the Knee Gatch to maximum. Manually lift and fold the foot section back towards the head end of the bed (see figure 4.1 in Appendix B).
3. Place two jack stands, adjusted to the height of 20", under the frame, at the head end or foot end of the bed depending on the Hi-lo lever to be replaced (see fig. 4.21A in Appendix B).
4. Lower the bed. Once in contact with the stands, still lower the bed until the clevis pin (see step 6) holding the Hi-lo actuator tube to the Hi-lo lever arms is free from stress and easy to remove. The Hi-lo lever can now be easily dismantled.
5. Unplug the power cord from the wall receptacle.
6. Remove the Rue ring/washer/nylon washers(2)/clevis pin (K, fig. 4.14, page 44) holding the Hi-lo actuator tube to the Hi-lo lever arms (A). Avoid rotating the Hi-lo actuator tube.

   NOTE
   Apply grease on the clevis pin and the nylon washers before hooking up the Hi-lo actuator tube to the Hi-lo lever arms.

7. If you are replacing the Hi-lo lever located at the foot end of the bed, remove the two machine screws (B) holding the upper part of the right and left stabilizers (C) to the Hi-lo lever (D).

   NOTE
   Before replacing the machine screws, apply medium strength tread locker (blue) on their treads.
8. Remove the four bolts/washers/locknuts/reinforcement plates (two) (E) holding the Hi-lo lever (D) and the moulded bearings (F) to the mobile frame (G).

**NOTE**
Apply grease inside the moulded bearings before replacing them.

9. Remove the Hi-lo lever from its location by rotating it horizontally on one side to disengage the nylon sliders (H) from the rails (J).

**NOTE**
Apply grease on the nylon slider shafts (K) and under the sliders (H) before replacing the Hi-lo lever. Ensure the rail is greased on its inner lower and side surfaces.

10. Reverse the above steps to install the replacement Hi-lo lever.
11. Test Hi-lo function for proper operation before returning bed to service.
APPENDIX A: CONNECTION DIAGRAM

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**Connection Diagram for GO bed Maintenance Guide**

- **Commande patient**
- **Assembler les fils dans les connecteurs comme ceci:**
- **Connectar los cables según al diagrama:**

**Tableau de commande**
- **Nursing control center**
- **Controles del paciente**

**Carte de contrôle**
- **PC Board**
- **Tarjeta de circuitos impresos**

**Transformer**
- **Transformer/Transformador**

**Prise veilleuse**
- **Night light socket/Enchufe para luz nocturna (option, opción)**

**Interrupteur Auto-CPR (J2 pos. 2, 3)**
- **Interruptor automático del somier de cabecera (J2 pos. 2, 3)**

**Fiche 120V/120V Plug/Enchufe 120V**

**Fil d'alimentation/Power cable/Cable de alimentación**
- **Fil en "Y" (7 pins) / "Y" cable (7 pins) / cable en "Y" de 7 espigas**

**Fil mise à la masse/Ground cable/Cable tierra**

**Fil Interrupteur CPR/CPR cable/Cable automático del somier de cabecera (option, opción)**

**Fil d'alimentation/Power cable/Cable de alimentación**
- **Fil en "Y" (7 pins) / "Y" cable (7 pins) / cable en "Y" de 7 espigas**

**Fil d'alimentation/Power cable/Cable de alimentación**
- **Fil en "Y" (7 pins) / "Y" cable (7 pins) / cable en "Y" de 7 espigas**

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**SCHEMA DE BRANCHEMENT**

**CONNECTION DIAGRAM**

**DIAGRAMA DE CONEXION**

**Table de commande**
- **Nursing control center**
- **Controles del paciente**

**Carte de contrôle**
- **PC Board**
- **Tarjeta de circuitos impresos**

**Transformer**
- **Transformer/Transformador**

**Prise veilleuse**
- **Night light socket/Enchufe para luz nocturna (option, opción)**

**Fil d'alimentation/Power cable/Cable de alimentación**
- **Fil en "Y" (7 pins) / "Y" cable (7 pins) / cable en "Y" de 7 espigas**

**Fil mise à la masse/Ground cable/Cable tierra**

**Fil Interrupteur CPR/CPR cable/Cable automático del somier de cabecera (option, opción)**

**Fil d'alimentation/Power cable/Cable de alimentación**
- **Fil en "Y" (7 pins) / "Y" cable (7 pins) / cable en "Y" de 7 espigas**

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**Commande patient**
- **Patient control**
- **Controles del paciente**

**Interrupteurs Auto-contour 1 et 2 (J2 pos. 4, 5, 6, 7)**
- **Interruptor de contorno autopostura (J2 pos. 4, 5, 6, 7)**

**Interrupteurs Auto-CPR / CPR switch / Interruptor automático del somier de cabecera (option, opción)**
- **Interruptor de contorno autopostura / Interruptor automático del somier de cabecera (option, opción)**

**Interrupteur mise en marche (J3 pos. 7 a 11)**
- **Interruptor de marcha (J3 pos. 7 a 11)**

**Power switch (J3 pos. 7 a 11)**
- **Interruptor de marcha (J3 pos. 7 a 11)**

**Fil Interrupteur CPR / CPR cable / Cable automático del somier de cabecera (option, opción)**

**Fil d'alimentation / Power cable / Cable de alimentación**
- **Fil en "Y" (7 pins) / "Y" cable (7 pins) / cable en "Y" de 7 espigas**

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**NO**
- **1** Moteur pied/Foot motor/Motor del pie
- **2** Moteur lit/Bed motor/Motor de la cama
- **3** Moteur tête/Head motor/Motor de la cabecera
- **4** Moteur de lit/Bed motor/Motor de la cama
- **5** Commande infir./Nursing control/Controles del paciente
- **6** Veilleuse/Night light/Luz nocturna
- **7** Fiche type hôpital/Hospital grade plug/Enchufe para hospitales
- **8** Fiche 120V/120V Plug/Enchufe 120V
- **9** Fil commande patient/Patient control cable/Cable control del paciente
- **10** Fil interrupteur/Interruptor cable/Cable interruptor
- **11** Connecteur 17 positions/17pins connector/Conector de 17 espigas
- **12** Transformateur/Transformer/Transformador
- **13** Fiche 120V/120V Plug/Enchufe 120V
- **14** Disjoncteur 5A/Breaker 5A/Disyuntor 5A
- **15** Fil commande patient/Patient control cable/Cable control del paciente
- **16** Prise veilleuse/Night light socket/Enchufe para luz nocturna
- **17** Fiche 120V/120V Plug/Enchufe 120V
- **18** Transformer/Transformer/Transformador
- **19** Fiche 120V/120V Plug/Enchufe 120V
APPENDIX B: BED POSITIONS FOR MAINTENANCE PURPOSE

**Figure 4.1**

KNEE GATCH AND FOOT SECTION FOLDED BACK TOWARDS HEAD END OF THE BED

**Figure 4.14A**

ALIGNMENT JIGS POSITIONED ON THE BED BASE FOR A HI-LO ACTUATOR REPLACEMENT

**Figure 4.21A**

JACK STANDS POSITIONED UNDER THE HEAD END OF THE BED  
JACK STANDS POSITIONED UNDER THE FOOT END OF THE BED