ADJUSTABLE LEISURE BED

Economy Models:
LBET, LBEF and LBEQ

Deluxe Models:
LDBT, LBDF and LBDQ
WARNING

DO NOT OPERATE THIS EQUIPMENT WITHOUT FIRST READING AND UNDERSTANDING THIS MANUAL IF YOU ARE UNABLE TO UNDERSTAND THE WARNINGS, CAUTIONS, AND INSTRUCTIONS, CONTACT A HEALTHCARE PROFESSIONAL, DEALER OR TECHNICAL PERSONNEL IF APPLICABLE BEFORE ATTEMPTING TO USE THIS EQUIPMENT - OTHERWISE INJURY OR DAMAGE MAY RESULT.

SPECIAL NOTES

DANGER/WARNING/CAUTION notices used in this manual apply to hazards or unsafe practices which could result in personal injury and/or property damage.

NOTICE

The information contained in this document is subject to change without notice.

Check all parts for shipping damage and test before using. In case of damage, do NOT use. Contact the Dealer for further instruction.

WARNING

This bed is for residential use only. This bed is NOT for hospital use and was not designed to meet hospital standards.
DO NOT use this bed outdoors.
DO NOT use near explosive gases.
Possible fire hazard when used with oxygen administering equipment other than nasal or masked type.
DO NOT use this bed with an oxygen tent.
When using nasal or masked type administering equipment, oxygen or air tubing MUST be routed and secured properly to ensure that tubing does NOT become entangled and damaged during normal operation of the bed.
When using liquids in or around the bed, caution should be taken to ensure that liquids of any kind are not spilled. If a liquid is spilled in or around the bed, stand in a dry area and UNPLUG the bed immediately. Clean up spill and allow bed or area around bed to dry thoroughly before using the electric controls again.
DO NOT use bed rails with this bed.
Close supervision is necessary when this product is used by or near CHILDREN OR INDIVIDUALS WITH DISABILITIES.
NEVER PERMIT ANYONE UNDER THE BED AT ANY TIME.
When operating/moving beds, ALWAYS ensure that the individual utilizing the bed is positioned properly within the confines of the bed. DO NOT let any extremities protrude over the side of the bed when performing these functions.
## TABLE OF CONTENTS

SPECIAL NOTES .................................................................................................................. 2  
SAFETY SUMMARY ................................................................................................................. 4  
SPECIFICATIONS ............................................................................................................................... 5  
ASSEMBLY ........................................................................................................................................... 6  
  Preparation ...................................................................................................................................... 6  
  Installing Locking Casters .................................................................................................................. 6  
  Installing Mattress Retainer Bar ........................................................................................................... 6  
  Connecting Pendant ........................................................................................................................ 6  
  Installing Mattress ............................................................................................................................ 6  
  Installing a Head Board ...................................................................................................................... 6  
  Removing Adjustable Head Board Brackets ......................................................................................... 6  
OPERATING .......................................................................................................................................... 8  
  Operating Bed ................................................................................................................................... 8  
  Locking/Unlocking Casters .................................................................................................................. 8  
  Mattress ........................................................................................................................................... 9  
  Manually Lowering Head/Foot End of Bed ....................................................................................... 9  
TROUBLESHOOTING .......................................................................................................................... 10  
FREQUENCY CHANNEL/BATTERY ...................................................................................................... 11  
  Changing Frequency Channel .......................................................................................................... 11  
  Replacing Battery ............................................................................................................................... 11
OPERATING INFORMATION
WARNING
After bed has been assembled, always test to make sure that all sections of the bed are properly and securely in place BEFORE using.
Keep ALL moving parts free of obstruction (i.e. blankets/sheets, heating blankets/pads, tubing, wiring, etc. and other types of products using electric cords which may get tangled around the bed or legs) during operation of Electric beds.
Trapeze units MUST be positioned on floor stand; as near as possible to the center point of the bed. The trapeze is to be used ONLY in ASSISTING the patient in repositioning or transferring in or out of bed.
Use ONLY free standing Traction units with these model beds. These units are to be used ONLY for immobilizing a patient in various traction setups or ASSISTING the patient in repositioning or transferring in or out of bed.
NEVER allow patients to use trapeze or traction units as a total individual weight support.
Make certain ALL screws and nuts are tight at all times.
Leisure beds are equipped with four (4) locking casters. ALWAYS engage all four (4) locking casters EXCEPT when moving the bed. Inspect for correct locking action on wheel locks BEFORE using bed.
Body weight MUST be evenly distributed over the surface of the bed. DO NOT lay, sit or lean in such a way that entire body weight is placed only on RAISED head or foot ends of bed. This includes when assisting in repositioning or transferring in or out of bed.
USING TWO (2) TWIN BEDS AS A KING SIZE BED - When put together to form a king size bed, a gap will exist between the two (2) twin beds. Make sure all four (4) locking casters of each bed are engaged BEFORE using the bed, otherwise the two (2) twin beds may move apart, possibly causing injury and/or damage.
USING TWO (2) TWIN BEDS AS A KING SIZE BED - The pendant functions of the two (2) twin beds will operate separately. BEFORE changing the position of EITHER bed, confirm the area between the two (2) twin beds is clear. Otherwise, individuals may become entangled between the two (2) twin beds, possibly causing injury and/or damage.
ELECTRICAL - GROUNDING INSTRUCTIONS:
A. This product MUST be grounded. In the event of an electrical short circuit, grounding reduces the risk of electric shock by providing an escape wire for the electrical current. This product is equipped with a cord having a grounding wire with a grounding plug. The plug must be plugged into an outlet that is properly installed and grounded. DO NOT bypass the grounding plug.
Improper use of the grounding plug can result in a risk of electrical shock.
Check with a qualified electrician or serviceman if the grounding instructions are not completely understood, or if doubt exists as to whether the product is properly grounded.
B. This product is for use on a normal 120 VAC circuit and has a grounding plug that looks like the plug illustrated in sketch A shown at the bottom of this page. A temporary adapter, which looks like the adaptor illustrated in sketches B and C, may be used to connect this plug to a 2-pole outlet as shown in sketch C if a properly grounded outlet is not available. The temporary adaptor should be used only until a properly grounded outlet (sketch D) can be installed by a qualified electrician. The rigid ear, lug and the like extending from the adapter MUST be connected to a permanent ground such as properly grounded outlet box cover. Whenever the adapter is used, it MUST be held in place by the screw.
NEVER operate if the unit has a damaged cord or plug. If it is not working properly, call Qualified Service Personnel for examination and repair.
SAFETY SUMMARY (continued)

WARNING

Keep all cords away from HEATED or HOT surfaces.

WIRELESS PENDANT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with these instructions, may cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the pendant and the bed.
- Consult the dealer or an experienced technician for help.

REPAIR OR SERVICE INFORMATION

DO NOT open assemblies such as the motors, pendant, junction boxes or electrical control boxes. ONLY trained service personnel certified by Invacare are qualified to repair these parts. If uncertified individuals perform any work on these beds, the warranty is voided.

DO NOT use unauthorized parts, accessories, or adapters other than those authorized by Invacare.

UNPLUG the power cord when performing any maintenance on the bed.

WEIGHT LIMITATION

The weight limitations for Invacare Leisure Beds; taking into consideration patient size, proper positioning, realignment, transfer and overall care are; Twin Size - 250 pounds, Full Size - 340 pounds and Queen Size - 425 pounds (weight distributed evenly over entire bed surface).

SPECIFICATIONS

NOTE: All specifications are approximate.

<table>
<thead>
<tr>
<th></th>
<th>TWIN</th>
<th>FULL</th>
<th>QUEEN</th>
</tr>
</thead>
<tbody>
<tr>
<td>OVERALL WIDTH - in inches</td>
<td>36</td>
<td>53</td>
<td>60</td>
</tr>
<tr>
<td>OVERALL LENGTH - in inches</td>
<td>80</td>
<td>80</td>
<td>80</td>
</tr>
<tr>
<td>BED HEIGHT - in inches (Floor to top of Mattress)</td>
<td>26</td>
<td>26</td>
<td>26</td>
</tr>
<tr>
<td>HEAD ANGLE RANGE</td>
<td>0°-85°</td>
<td>0°-85°</td>
<td>0°-85°</td>
</tr>
<tr>
<td>FOOT ANGLE RANGE</td>
<td>0°-70°</td>
<td>0°-70°</td>
<td>0°-70°</td>
</tr>
<tr>
<td>WEIGHT - in pounds</td>
<td>225</td>
<td>270</td>
<td>290</td>
</tr>
<tr>
<td>SHIPPING WEIGHT - in pounds</td>
<td>233</td>
<td>278</td>
<td>300</td>
</tr>
</tbody>
</table>
ASSEMBLY

ASSEMBLY (FIGURE 1)

Preparation

1. Remove the following from the bottom of the bed:
   A. Four locking (4) casters in a plastic bag.
   B. Pendant in a plastic bag.
   C. Banding that secures the power cord, pendant cord (economy model beds only), mattress retainer bar and foot end of bed to bed base.

NOTE: Deluxe Model Beds - If a head board is not being used, remove the adjustable head board brackets. Refer to REMOVING ADJUSTABLE HEAD BOARD BRACKET in this section of the manual.

NOTE: Deluxe Model Beds - If two (2) twin beds are being used together as a king size bed, the frequency channels of the pendants can be set so the two (2) twin beds will operate with one (1) pendant. Refer to CHANGING FREQUENCY CHANNEL in the FREQUENCY CHANNEL/BATTERY section of this manual.

Installing Locking Casters

1. Position the stem of one (1) locking caster with the one (1) of the caster sockets at the head or foot end of bed.

   WARNING
   Make sure the locking casters are secured to the bed frame, otherwise injury or damage may occur.

2. Install the stem of the locking caster into the caster socket until an audible “click” is heard. Make sure the caster retaining ring enters the caster socket squarely and the caster is secured to the bed frame.

3. Repeat STEPS 1-2 for the remaining casters.

   WARNING
   Removing bed from carton requires two (2) people, otherwise injury or damage may occur.

4. Remove bed from the bottom half of the shipping carton.

5. Set the bed onto all four (4) locking casters.

Installing Mattress Retainer Bar

1. Remove plastic sleeve from the mattress retainer bar.

2. Install mattress retainer bar onto the four (4) studs on the underside of the bed as shown in FIGURE 1.

3. Install the four (4) washers and wing nuts onto the four (4) threaded studs and tighten securely.

Connecting Pendant

NOTE: This procedure is for economy model beds only.

1. Remove the back plate of the pendant.

2. Plug the pendant cord from the electrical control box into the plug in the pendant.

3. While holding the pendant cord in the slot on the pendant, reinstall the back plate.

Installing Mattress

1. Remove protective cover from base and mattress.

2. Place the mattress on the base.

   NOTE: The mattress may be placed onto the bed either side up and may be turned and rotated head to foot.

Installing a Head Board

NOTE: Head boards can be assembled onto deluxe model beds only.

NOTE: Deluxe Leisure Beds are designed to be used with your head board.

   CAUTION
   The head board MUST rest on the floor. Adjustable head board brackets are not designed to support the full weight of the head board.

1. Swing the two (2) adjustable head board brackets (attached to the bed) to the open position as shown in FIGURE 1.

2. Remove the two (2) wing nuts and mounting screws that secure the two pieces of the adjustable head board bracket together.

3. Adjust length of the adjustable head board bracket until the end of bracket clears the end of the mattress.

4. Reinstall the two (2) mounting screws that secure the two pieces of adjustable head board bracket together.

5. Reinstall the two (2) wing nuts and tighten securely.

6. Attach a metal plate to the head board using the existing head board hardware.

7. Line up the mounting holes in the metal plate with the mounting holes in the adjustable head board bracket and insert a steel pin through all four (4) holes.

8. Repeat STEPS 2-7 for opposite head board bracket.
Removing Adjustable Head Board Bracket

1. Remove the mounting screws and wing nuts that secure adjustable head board bracket to bed frame.
2. Remove adjustable head board bracket from bed frame.

NOTE: Save head board brackets for future use.

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**FIGURE 1 - ASSEMBLY**

**INSTALLING A HEAD BOARD (DELUXE MODELS ONLY)**

**STEP 1**
- Adjustable Head Board Brackets (Supplied)

**STEP 2-5**
- Adjustable Head Board Bracket
- Wing Nuts
- Mounting Screws

**STEP 6-7**
- Steel Pin (Supplied)
- Head Board Mounting Hardware (Not Supplied)

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**INSTALLING MATTRESS RETAINER BAR**

- Wing Nuts
- Washers
- Threaded Studs
- Underside of Bed
- Mattress Retainer Bar

**CONNECTING PENDANT (ECONOMY MODELS ONLY)**

- Plug
- Back of Pendant

**REMOVING ADJUSTABLE HEAD BOARD BRACKET**

- Adjustable Head Board Bracket
- Wing Nuts
- Mounting Screws

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**ASSEMBLY**
OPERATING BED

**WARNING**

DO NOT lay, sit or lean in such a way that entire body weight is placed on the head or foot end of the bed while raising or lowering - otherwise injury or damage may occur.

**CAUTION**

Make sure the movement of the bed is free from obstruction.

DO not pull the bed by the power cord.

ALWAYS unplug the bed BEFORE moving.

Economy Leisure Bed Pendant (FIGURE 1)

<table>
<thead>
<tr>
<th>Press and Hold to:</th>
<th>Press and Hold to:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Raise Head</td>
<td>Raise Foot</td>
</tr>
<tr>
<td>Lower Head</td>
<td>Lower Foot</td>
</tr>
</tbody>
</table>

**FIGURE 1 - OPERATING BED - ECONOMY LEISURE BED PENDANT**

Deluxe Leisure Bed Pendant (FIGURE 2)

**CAUTION**

Two (2) deluxe beds in the same room cannot be operated at the same time. If the pendants of both beds are sending command signals at the same time, they will interfere with each other.

NOTE: The head and foot ends of the bed cannot be operated at the exact same time (unless using the level button).

NOTE: Before using the massage, raise the head and foot ends approximately 1/2-inch off of the bed frame. Otherwise the bed may make excessive noise.

NOTE: Once the Massage system is activated, it will automatically change to the last massage setting used and will shut off in thirty (30) minutes. To restart the massage action, press the neurosage button.

LOCKING/UNLOCKING CASTERS (FIGURE 3)

1. Perform one (1) of the following:

**LOCKING** - Toggle the locking lever on the four (4) locking casters to the LOCKED position.

**UNLOCKING** - Toggle the locking lever on the four (4) locking casters to the UNLOCKED position.
A new mattress will take a few days to contour to the shape of the bed. Mattresses are made to be used on both sides and should be turned every sixty (60) days during the first year. After the first year, the mattress should be turned two (2) or three (3) times a year.

**MANUALLY LOWERING HEAD/FOOT END OF BED (FIGURE 4)**

**WARNING**

The bed MUST be unoccupied and unplugged from the wall outlet BEFORE performing this procedure.

This procedure requires two (2) ABLE BODIED people, otherwise injury or damage may occur.

NOTE: This procedure should only be performed if there is a power failure or a motor needs to be replaced and the head/foot end of the bed is stuck in the full UP position.

1. If necessary, remove occupant(s) from the bed.
2. Unplug the bed from the wall outlet.
3. With one (1) person holding the head/foot end of the bed UP, remove the clevis and hitch pin that secure the motor to the bed frame.
4. Set the drive shaft of the motor on the floor.
5. Gently lower the head/foot end of the bed down.
6. Reverse STEPS 3-5 to reassemble the bed. Refer to FIGURE 4 for hardware orientation.
<table>
<thead>
<tr>
<th>SYMPTOM</th>
<th>PROBABLE CAUSE</th>
<th>SOLUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Functions (Foot, head will not operate UP or DOWN, no massage, if equipped)</td>
<td>Bed not plugged into wall outlet.</td>
<td>Plug bed into wall outlet.</td>
</tr>
<tr>
<td></td>
<td>Wall outlet is controlled by wall switch.</td>
<td>Turn wall switch on or plug into different wall outlet.</td>
</tr>
<tr>
<td></td>
<td>No current in wall outlet.</td>
<td>Check fuses to wall outlet, or repair as needed.</td>
</tr>
<tr>
<td></td>
<td>DELUXE MODEL BEDS ONLY - Pendant battery dead.</td>
<td>Replace battery. Refer to REPLACING BATTERY in the BATTERY section of this manual.</td>
</tr>
<tr>
<td></td>
<td>DELUXE MODEL BEDS ONLY - Frequency of pendant different from frequency of bed.</td>
<td>Change the frequency of the pendant or bed. Refer to CHANGING FREQUENCY CHANNEL in the FREQUENCY CHANNEL section of this manual.</td>
</tr>
<tr>
<td></td>
<td>ECONOMY MODEL BEDS - Pendant wire not properly connected to pendant.</td>
<td>Check pendant/pendant cord connection. Refer to CONNECTING PENDANT in the ASSEMBLY section of this manual.</td>
</tr>
<tr>
<td>No Head/Foot functions (No UP or DOWN), other functions work.</td>
<td>Head/Foot already in highest position.</td>
<td>Lower head/foot.</td>
</tr>
<tr>
<td></td>
<td>Bad Motor.</td>
<td>Contact Invacare, 1-800-832-4707.</td>
</tr>
<tr>
<td></td>
<td>Bad pendant.</td>
<td>Contact Invacare, 1-800-832-4707.</td>
</tr>
<tr>
<td>Excessive massage noise. NOTE: Because of the function of massage motors, there will always be a certain level of noise while the massage is running.</td>
<td>Bed is in the level position.</td>
<td>Raise head and foot ends slightly (approximately 1/2-inch).</td>
</tr>
<tr>
<td></td>
<td>Massage intensity too high.</td>
<td>Reduce massage intensity.</td>
</tr>
<tr>
<td></td>
<td>Adjustable head board brackets and/or mattress retainer bar are loose.</td>
<td>Tighten attaching hardware.</td>
</tr>
<tr>
<td>No massage, other functions work.</td>
<td>Massage motor overheated.</td>
<td>Let motor cool and retry.</td>
</tr>
<tr>
<td></td>
<td>Bad massage motor.</td>
<td>Contact Invacare, 1-800-832-4707.</td>
</tr>
<tr>
<td>Head or foot end stuck in the full UP position.</td>
<td>Residential power failure.</td>
<td>*Wait for power to be restored.</td>
</tr>
<tr>
<td></td>
<td>Motor overheated.</td>
<td>*Wait for motor to cool and try again. If motor still does not work contact Invacare, 1-800-832-4707.</td>
</tr>
<tr>
<td></td>
<td>Bad Motor.</td>
<td>*Contact Invacare, 1-800-832-4707.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>*NOTE: To lower the head or foot end refer to MANUALLY LOWERING HEAD/FOOT END OF BED in the OPERATING section of this manual.</td>
</tr>
<tr>
<td>Bed &quot;creaks&quot;.</td>
<td>Bed needs lubrication.</td>
<td>Locate source of &quot;creaking&quot; and lubricate ONLY with WD-40®.</td>
</tr>
</tbody>
</table>

WD-40 - Registered Trademark of WD-40 Company.
FREQUENCY CHANNEL/BATTERY

CHANGING FREQUENCY CHANNEL (FIGURE 1)

NOTE: This procedure is for deluxe model beds only.

The frequency of the pendant has been factory set for a specific frequency. The shipping box and the control box underneath the bed will specify the frequency the pendant is set.

If using two (2) twin size as a king size bed, both beds can be set to the same frequency to operate with one (1) pendant.

1. Raise the head end of the bed to expose the control box.
2. Unplug the bed from the wall outlet.
3. Locate two (2) prong channel switch on the control box.
4. Switch channel to one (1) of the settings in FIGURE 1.
5. Remove the battery cover on the back of the pendant.
6. Match the channel setting in the pendant with the control box setting determined in STEP 4.
7. Reinstall the battery cover on the back of the pendant.
8. Plug the bed into the wall outlet.

FIGURE 1 - CHANGING FREQUENCY CHANNEL

CHANNEL SWITCH SETTINGS

A

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<thead>
<tr>
<th></th>
<th></th>
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<tbody>
<tr>
<td>UP</td>
<td>DN</td>
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<tr>
<td>1</td>
<td>2</td>
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<td>UP</td>
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<td>2</td>
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<tbody>
<tr>
<td>UP</td>
<td>DN</td>
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<td>1</td>
<td>2</td>
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</thead>
<tbody>
<tr>
<td>UP</td>
<td>DN</td>
</tr>
<tr>
<td>1</td>
<td>2</td>
</tr>
</tbody>
</table>

REPLACING BATTERY (FIGURE 2)

NOTE: This procedure is for deluxe model beds only.

NOTE: Deluxe Model Pendants require one (1) 12V battery.

1. Remove the battery cover on the back of the pendant.
2. Note existing battery orientation for installation of new battery.
3. Remove the existing battery from the pendant.
4. Install the new battery into the pendant in the orientation noted in STEP 2.
5. Reinstall the battery cover on the back of the pendant.

FIGURE 2 - REPLACING BATTERY

12V Battery Orientation