

PowerBASE™

adjustable bed base OWNERS MANUAL



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Made in the USA

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ADVISORY

IMPORTANT INFORMATION

READ THE FOLLOWING INFORMATION CAREFULLY BEFORE USING THIS PRODUCT

This PowerBASE™ adjustable bed has been quality engineered with design features to assure comfort and safety when operated properly.

ELECTRICAL GROUNDING

This product is equipped with a polarized or grounded electrical power cord. The power cord will only fit into a grounded, electrical surge protection device (not included) or a grounded electrical outlet.

WARNING

FOR OPTIMUM ADJUSTABLE BED OPERATION, USE A GROUNDED, ELECTRICAL SURGE PROTECTION DEVICE (NOT INCLUDED). FAILURE TO USE A SURGE PROTECTION DEVICE COULD COMPROMISE SAFETY OR CAUSE PRODUCT MALFUNCTION.

WARRANTY WARNING

Do not open any control boxes, motors or hand control devices (with the exception of the hand control and power down box battery compartments). The product warranty will be void if these components are tampered with. Do not attempt to alter component wiring or adjust or modify the structure of the product in any way or the warranty will be void. Any repair or replacement of adjustable bed parts must be performed by authorized personnel.

LUBRICATION

This product is designed to be maintenance free. The lift motors are permanently lubricated and sealed—no additional lubrication is required. Do not apply lubricant to lift motor lead screws or any nylon nuts or the bed may inadvertently creep downward from the elevated position.

PRODUCT RATINGS

The bed lift motors are **not** designed for continuous use. Reliable operation and full life expectancy will be realized as long as the lift motors do not operate any more than five (5) minutes over a thirty (30) minute period, or approximately 15% duty cycle.

Note: massage equipped beds are not designed for continuous, extended massage operation. Massage systems are rated for a maximum of 2 hours of use within any 6 hour period. Any attempt to circumvent or exceed product ratings will shorten the life expectancy of the product and may void the warranty.

The recommended weight restrictions for PowerBASE™ adjustable beds are as follows: AC equipped - 600 lb (272 kg) all sizes; DC equipped - 450 lb (204 kg) all sizes. The bed will structurally support the recommended weights distributed evenly across the head and foot sections. This product is not designed to support or lift this amount in the head or foot sections alone. **Note: exceeding the recommended weight restrictions could damage the adjustable bed and void the warranty.**

For best performance, consumers should enter and exit the adjustable bed with the bed in the flat (horizontal) position. **DO NOT SIT ON THE HEAD OR FOOT SECTIONS WHILE IN THE RAISED POSITION.**

UL (Underwriters Laboratories) listed components.
CFR 1633 approved for use with most mattresses.
Made in USA.

ADVISORY

IMPORTANT INFORMATION

READ THE FOLLOWING INFORMATION CAREFULLY BEFORE USING THIS PRODUCT

This PowerBASE™ adjustable bed has been quality engineered with design features to assure comfort and safety when operated properly.

SMALL CHILDREN / PETS WARNING

After the bed is unboxed, immediately dispose of packaging material as it can smother small children and pets. To avoid injury, children or pets should not be allowed to play under or on the bed. Children should not operate this bed without adult supervision.

HOSPITAL USE DISCLAIMER

This bed is designed for in-home use only.

It is not approved for hospital use and does not comply with hospital standards. Do not use this bed with tent type oxygen therapy equipment, or use near explosive gases.

PACEMAKER WARNING

This product produces a vibrating sensation. It is possible that individuals with heart-assist pacemakers may experience a sensation similar to exercise. Consult physician for complete information.

SERVICE REQUIREMENTS

Service technicians are not responsible for moving furniture, removing headboards and footboards or any items required to perform maintenance on the adjustable bed. In the event the technician is unable to perform service due to lack of accessibility, the service call will be billed to the purchaser and the service will have to be rescheduled.

FCC COMPLIANCE

Electrical components are rated for 110/120 voltage, 60Hz, 3.9 amp. Components meet Class B digital device rating (Part 15, FCC rules) for residential use. PowerBASE™ adjustable beds generate, use and may radiate radio frequency energy. Radio communication may be affected if not installed and operated as recommended in this manual.

Radio frequency = 310MHz.

LOCKING CASTER SAFETY FEATURE

Many PowerBASE™ adjustable beds are equipped with locking casters to prohibit the bed from movement. For best results, place rubber caster cups under locking casters when the bed is located on smooth or hard surface flooring—it is possible for locking caster equipped beds to slide without the use of rubber caster cups.

To activate locking casters, push down on the lock tab. To disengage the locking mechanism, push up on the lock tab (*see illustration below*).

LOCKING CASTER
DETAIL



ACOUSTICS

LIFTING/LOWERING MECHANISMS

The lift/lower feature will emit a minimal humming sound during operation. This is normal.

During operation, the lift arm wheels make contact with the platform support of the bed. This applies slight tension on the moving components and resonance is reduced to a minimum level. If excessive noise or vibration is experienced, reverse the movement action (up or down) of the bed with the hand control. This should realign the bed's activating mechanisms to the proper operational position.

MASSAGE OPERATION

The massage feature will emit a minimal tone during operation. This is normal. When the massage level is increased, motor resonance will intensify accordingly.

LOCATION ENVIRONMENT

The level of sound experienced during operation is directly related to the location environment. For example, when a bed is located on a hardwood floor with the massage feature in operation, a vibrating tone will be audible. To minimize this resonance, place a piece of carpet—or optional rubber caster cups—under each leg or caster of the bed. *See the accessory sheet included with this manual for rubber caster cup order information.*

It is possible to experience vibration or noise from the headboard brackets, headboards or footboards if mounting bolts are not firmly tightened.

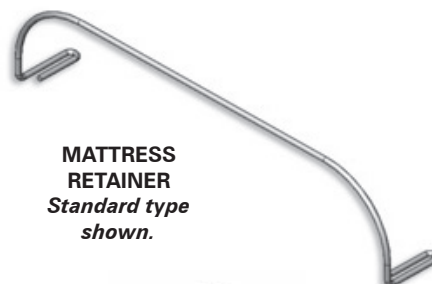
INSTALLATION

For PowerBASE™ installation and setup, complete the numbered procedure indicated below and on the following pages:

1. Before discarding any packing materials, check the adjustable bed shipping carton and verify the following items are included:

- (1) Mattress Retainer (standard, Profile-DC, or toolless type)
- (1) Mattress Retainer Hardware Kit (Toolless mattress retainer does not include mattress retainer hardware kit)
- (4) Bed Legs
- (4) Locking Leg Casters (optional for Pro-Motion™ products)*
- (4) 5 inch Adjustable Legs (standard for Silhouette™ and Optima products)*
- (2) Headboard Bracket Assemblies (Most Silhouette™, Profile, and Pro-Motion™ products do not include headboard bracket assemblies)*
- (1) Headboard Bracket Hardware Kit (Most Silhouette™, Profile, and Pro-Motion™ products do not include headboard bracket assemblies)*
- (1) Hand Control
- (1) Owners Manual
- (1) Hand Control Guide
- (1) Accessory Sheet
- (1) Warranty Sheet
- (1) Warranty Activation Card
- (1) Adjustable Bed Quick Setup Guide

*S-cape™ and Optima are **Type A** bed base frames. Silhouette™, Profile, and Pro-Motion are **Type B** bed base frames.



MATTRESS RETAINER
Standard type shown.



MATTRESS RETAINER HARDWARE KIT
Not included with toolless mattress retainer.
(hardware: 16 pieces)



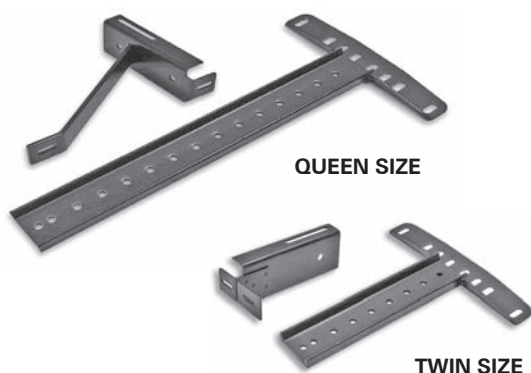
LOCKING LEG CASTER
Optional for Pro-Motion™ products. (4 PIECES)



LEG
(4 PIECES)



HAND CONTROL
(see Hand Control Guide for complete information)



HEADBOARD BRACKET ASSEMBLIES

Either twin or queen size. Optional for Silhouette™, Profile, and Pro-Motion™ products. (4 pieces, 2 assemblies)

HEADBOARD BRACKET HARDWARE KIT
Not included with Silhouette™, Profile, and Pro-Motion™ products.
(hardware: 16 pieces)



5 INCH ADJUSTABLE LEG
Standard for Silhouette™ and Optima products. (4 pieces for twin size, 6 pieces for full size or larger)

INSTALLATION

- Carefully lift the bed base frame from the shipping carton, keeping the unit top-side-down.
- Install (4) legs into the base frame. Simply screw each leg into a tapped hole at each corner of the base frame (**FIGURE 1**). Insert casters into the bottom of each bed leg (if applicable).



FIGURE 1: Leg and caster installation.

- Remove and extend out power cord from the protective packaging.

⚠ WARNING
POWER CORDS MUST NOT INTERFERE WITH ANY ADJUSTABLE BED MECHANISMS.

- For beds equipped with power down box, install (2) 9 volt batteries into the power down box (**FIGURES 2 and 3**).
Note: beds not equipped with a power down box do not require batteries.



FIGURE 2: Power down box battery compartment door removal.

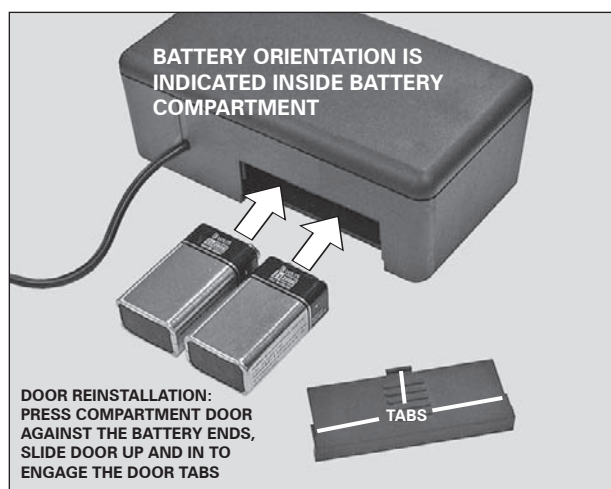


FIGURE 3: Power down box battery installation and battery compartment door reinstallation.

- Remove the plastic packaging from the bed base frame. Carefully rotate the base frame over to position the bed top-side-up.
- Plug power cord into a working, grounded electrical outlet. **Note: an electrical surge protection device is recommended (not included).**
- If hand control is non-wired type, install batteries in hand control (wired hand controls do not require batteries). Briefly activate all functions of the bed with the hand control to verify all features are in working order. If bed does not operate, refer to the *Troubleshooting* section of this manual.
- Return bed to the level position.

INSTALLATION

Standard Mattress Retainer

10. Install mattress retainer at the foot end of the bed base as follows:

Note: for *Profile-DC model adjustable bed mattress retainer installation*, refer to **Step 10a installation instructions**. For *toolless model adjustable bed mattress retainer installation*, refer to **Step 10b installation instructions**.

a. Install (1) cupped washer, (1) spacer and (1) flat washer on (4) mattress retainer bolts (**FIGURE 4**).

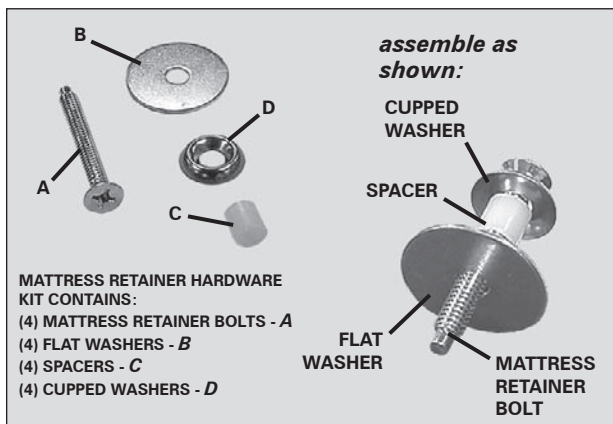


FIGURE 4: Standard mattress retainer hardware.

b. Install the mattress retainer bolts (loosely) into (4) threaded lugs in the top side of the bed base at the foot section (**FIGURE 5**).

c. Slide each U-shaped end of the mattress retainer around the mattress retainer bolts. Position the retainer ends with the cupped washers on top (**FIGURE 5**).

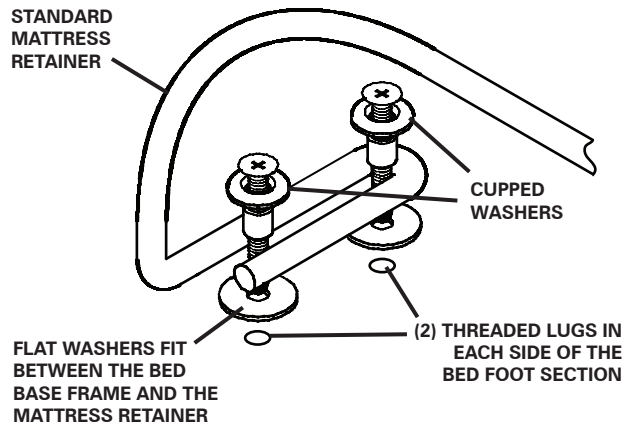


FIGURE 5: Standard mattress retainer installation.

d. Tighten screws to complete mattress retainer installation (**FIGURE 6**).



NOTE

DO NOT USE POWER SCREWDRIVER TO INSTALL MATTRESS RETAINER. DO NOT OVERTIGHTEN MATTRESS RETAINER HARDWARE!

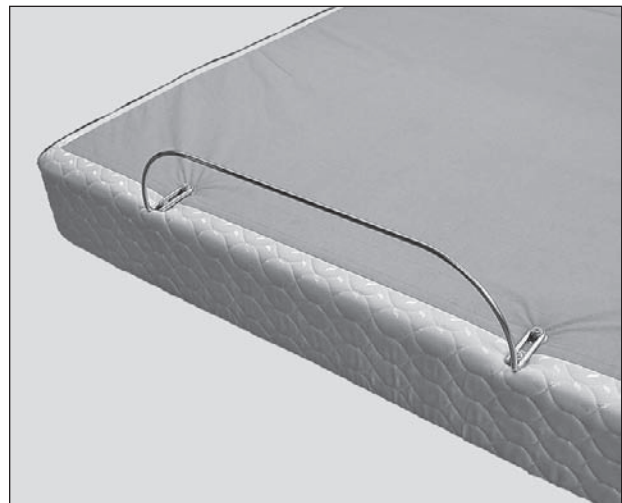


FIGURE 6: Standard mattress retainer installed.

Note: if adjustable bed is to be set up without a headboard, basic installation is now complete. If headboard is to be installed, proceed to **Headboard Bracket Installation**.

INSTALLATION

Profile-DC Mattress Retainer

10. Install Profile-DC mattress retainer at the foot end of the bed base as follows:

- a. Locate (1) mattress retainer and (1) mattress retainer hardware kit (**FIGURE 7**).

MATTRESS RETAINER

HARDWARE KIT CONTAINS:

- (4) MATTRESS RETAINER BOLTS - A
- (4) FLAT WASHERS - B
- (4) RETAINING CLIPS - C

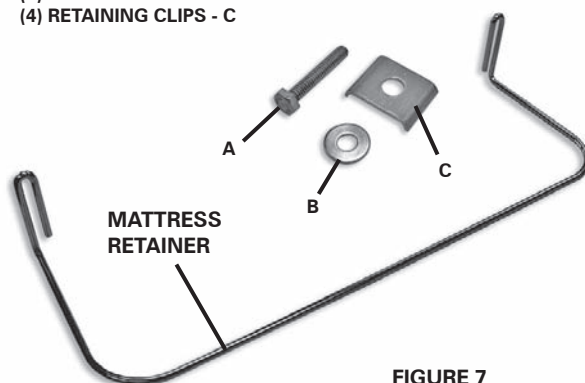


FIGURE 7

- b. Install (1) flat washer, (1) retaining clip on (4) mattress retainer bolts (**FIGURE 8**).

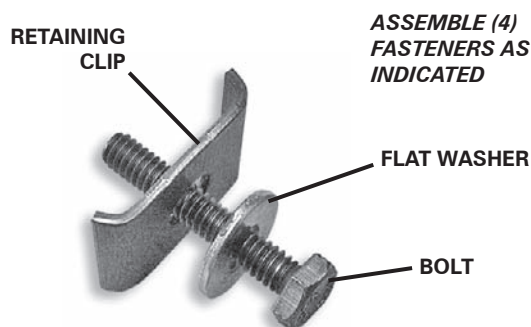


FIGURE 8

- c. With the bed base oriented top-side-up, lay under the foot end of the bed and locate (4) threaded lug locator pins (**FIGURE 9**).
- d. Pull out wooden locator pins to expose threaded lugs.
- e. Align mattress retainer until it makes contact with the end of the bed base (**FIGURE 10**).

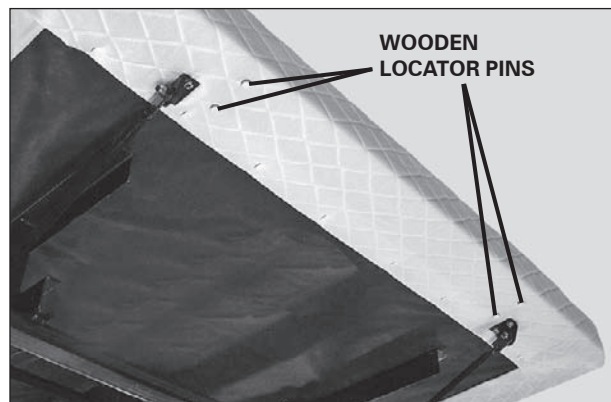


FIGURE 9: Wooden locator pins mark position of the threaded lugs.

- f. Holding the retainer in place, install the (2) **inside** mattress retainer bolts (loosely) into the threaded lug fittings (**FIGURE 10**).
- g. Install the (2) **outside** mattress retainer bolts (**FIGURE 10**).

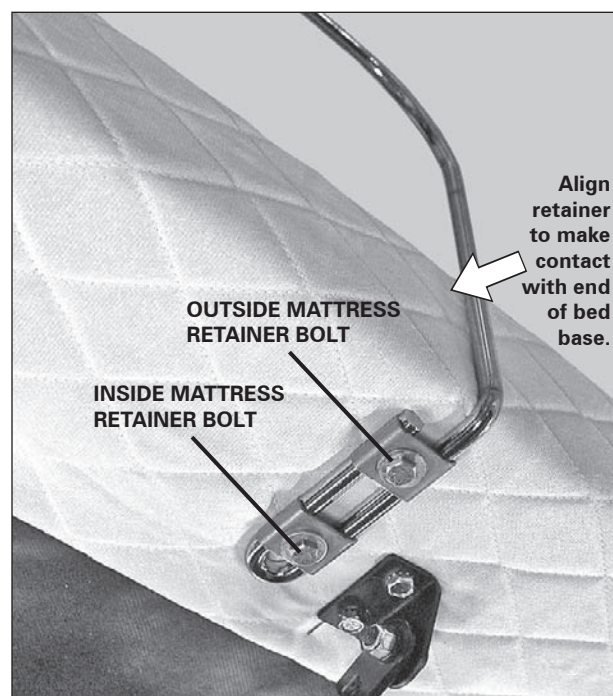


FIGURE 10: Detail of one side of mattress retainer installed (shown from the underside of the bed base).

INSTALLATION

- h. Tighten all mattress retainer bolts with a 7/16 inch wrench or socket. **Note: do not overtighten.***



FIGURE 11: Typical twin size Profile-DC shown with mattress retainer installed.



NOTE

DO NOT USE POWER SCREWDRIVER TO INSTALL MATTRESS RETAINER. DO NOT OVERTIGHTEN MATTRESS RETAINER HARDWARE!

Note: if adjustable bed is to be set up without a headboard, basic installation is now complete. If headboard is to be installed, proceed to Headboard Bracket Installation.

Toolless Mattress Retainer

- 10b. Install mattress retainer at the foot end of the bed base as follows:

- a. Locate grommets holes at foot of bed base (**FIGURE 12**).

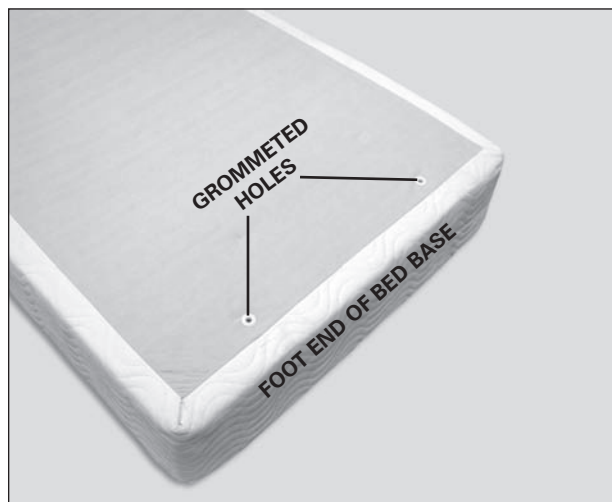


FIGURE 12: Grommets hole locations.

- b. Place mattress retainer ends into grommets holes in top surface of adjustable bed base (**FIGURES 13 and 14**). Press down until horizontal retainer section is flush against bed base.

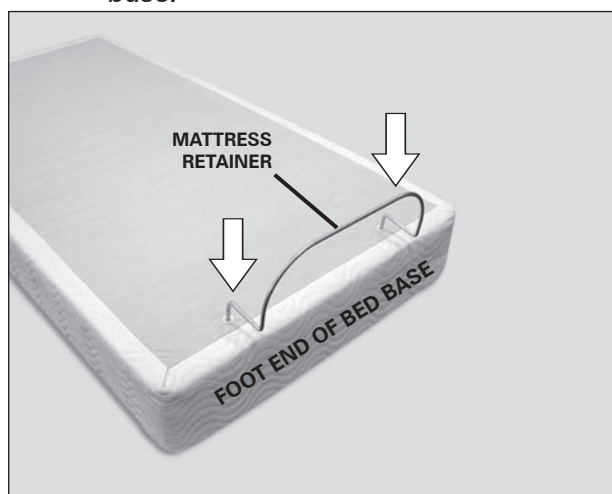


FIGURE 13: Mattress retainer installation.

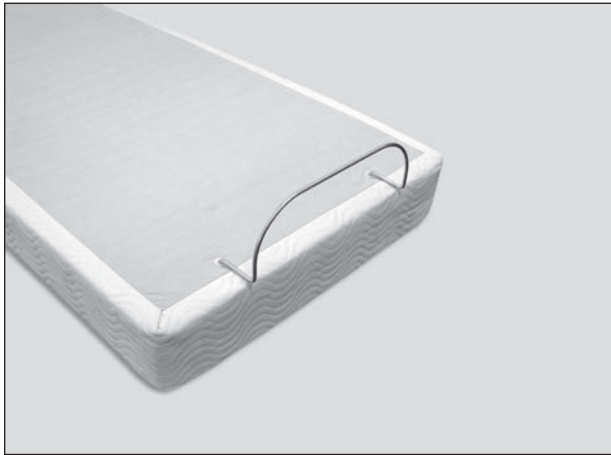


FIGURE 14: Mattress retainer installed.

Note: if adjustable bed is to be set up without a headboard, basic installation is now complete. If headboard is to be installed, proceed to Headboard Bracket Installation.

11. Install headboard brackets to the bed base frame*. When attaching (2) twin size units to a king size headboard an optional swing hinge kit (see accessory section) may be used to connect the twin units.

* *S-cape™* and *Optima* are Type A bed base frames. *Silhouette™*, *Profile*, and *Pro-Motion™* are Type B bed base frames.



NOTE

FAILURE TO FOLLOW HEADBOARD BRACKET INSTALLATION INSTRUCTIONS MAY CAUSE HEADBOARD BRACKET INTERFERENCE WITH BASE FOAM DURING ADJUSTABLE BED OPERATION. BASE FOAM OR BASE COVER DAMAGE COULD RESULT.

Note: It is important to position the bottom of the headboard cross member a maximum distance of 3 inches (76.2mm) between the headboard and the top of the mattress (FIGURE 15). Do not exceed 3 inches (76.2mm).

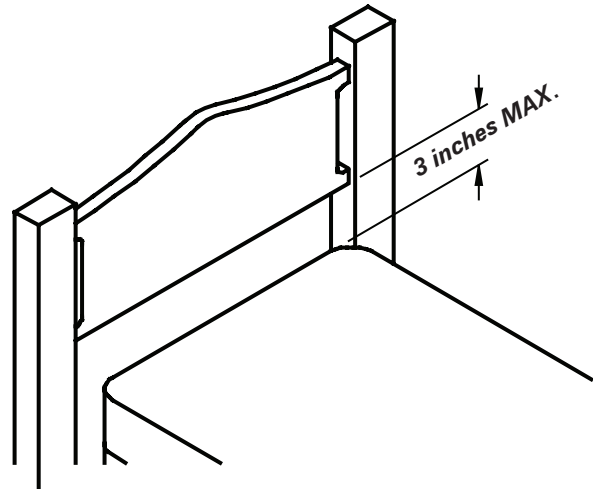


FIGURE 15: Headboard cross member location must not exceed 3 inches (76.2mm) from the top of the mattress.

INSTALLATION

12. Install headboard brackets to the bed base frame per the following instructions:

Note: Headboard brackets are optional for Type B beds. See accessory sheet for order information.

- a. Raise the head section of the bed (with hand control) to gain access to the bed base frame.
- b. Determine bed base type (**FIGURES 16 and 17**). For bed base Type A, proceed to Step “e”. For bed base Type B, proceed to Step “c”.

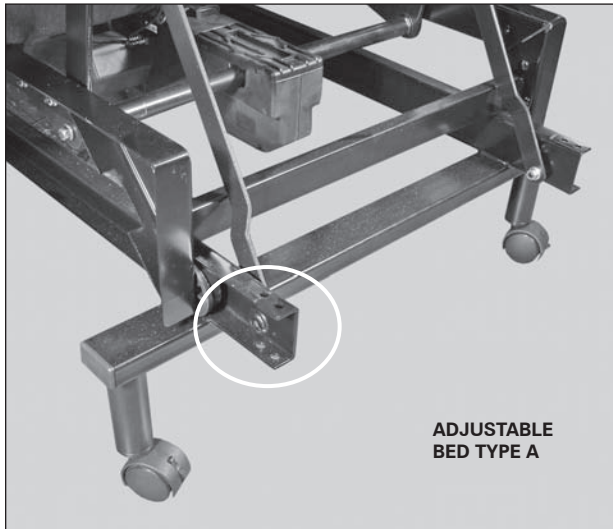


FIGURE 16: Adjustable bed base Type A.



FIGURE 17: Adjustable bed base Type B.

- c. For bed base Type B, locate channel connector kit (**FIGURE 18**). On one side of bed base frame, locate (2) holes for channel connector mounting (**FIGURE 19**).

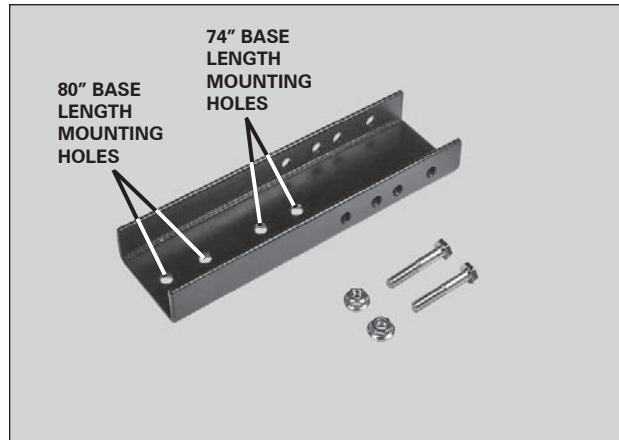


FIGURE 18: Channel connector kit. (Used with adjustable bed base Type B. See accessory sheet).

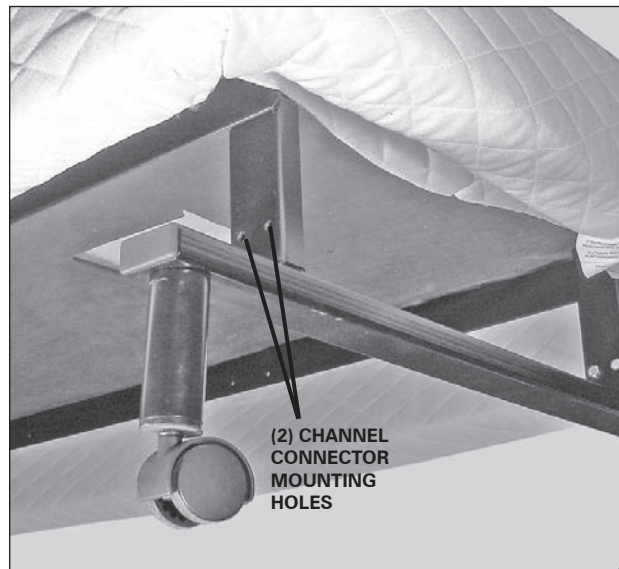


FIGURE 19: Channel connector mounting holes.

INSTALLATION

- d. Position channel connector so that the flat side is flush against bed base frame. Attach channel connector to bed base frame using (2) 1½ inch long hex head bolts/nuts (**FIGURE 20**). Tighten bolts. **Note: For beds with 74" base length, use inner mounting holes. For beds with 80" base length, use outer mounting holes (FIGURES 18 and 20).**

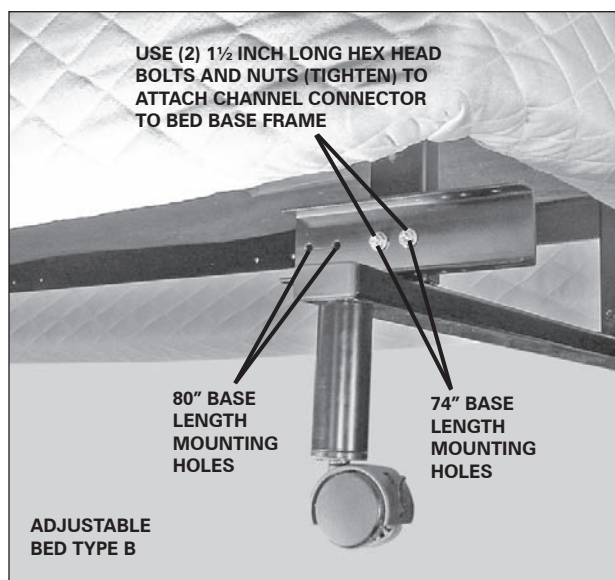


FIGURE 20: Bed base Type B channel connector attachment.

- e. Using (2) 3 inch long carriage bolts/nuts, attach (1) headboard bracket channel to bed base frame (bed base Type A) (**FIGURE 21**) or (1) channel connector (bed base Type B) (**FIGURE 22**). Hand tighten bolts/nuts (loosely) to allow adjustment of the headboard bracket channels.
- f. Attach (1) headboard bracket flange to one of the bracket channels with (2) 1 inch long hex head bolts/nuts (**FIGURES 23 and 24**). Tighten bolts.
- g. Repeat procedure to attach the other headboard bracket.

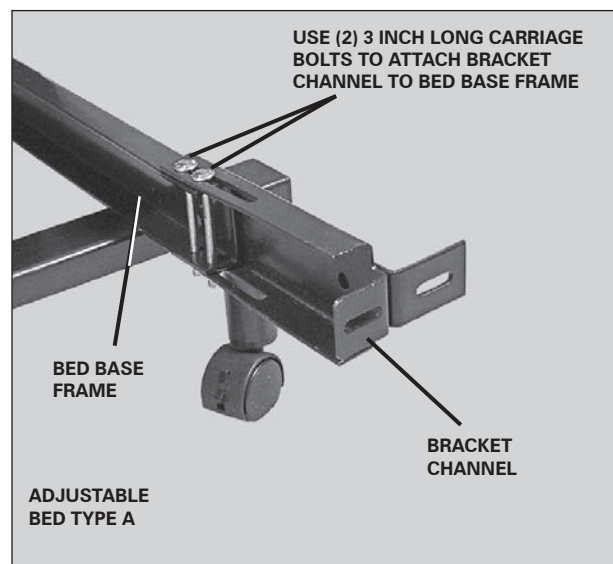


FIGURE 21: Bed base Type A bracket channel attachment.

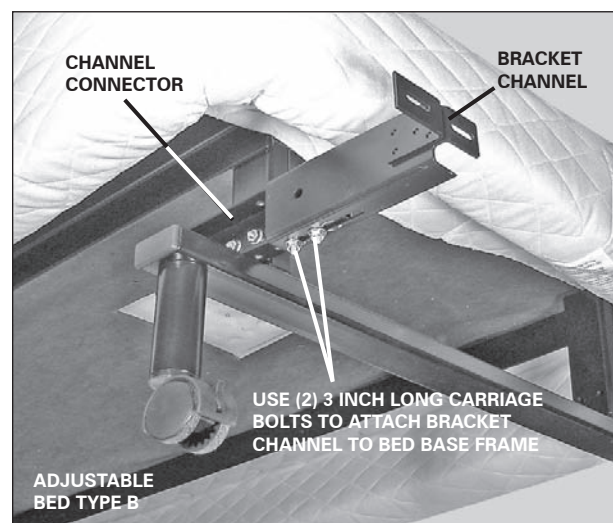


FIGURE 22: Bed base Type B bracket channel attachment.

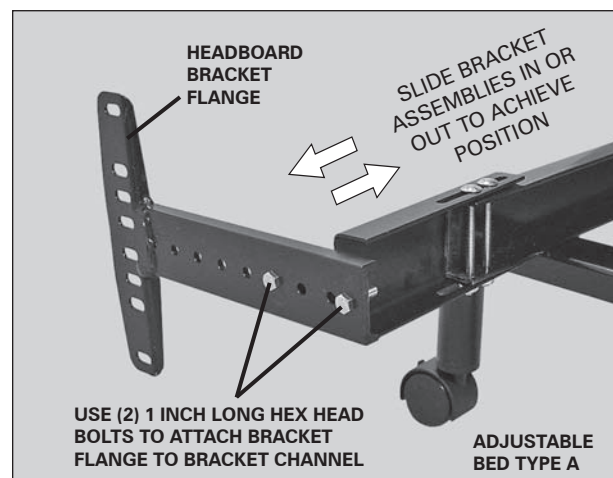


FIGURE 23: Bed base Type A headboard bracket flange attachment.

INSTALLATION

h. When installing a headboard, footboard, or four-piece surround (case good), allow for 1.5 inches (38.1mm) to 2 inches (50.8mm) of clearance at the head and foot of the bed and a minimum of $\frac{1}{2}$ inch to $\frac{3}{4}$ inch on the sides (**FIGURE 24**).

i. Firmly tighten the 3 inch carriage bolts of both headboard bracket channels.

j. Measure the distance (center-to-center) between the mounting holes in the headboard.

k. Measure the center-to-center distance between the mounting slots of the headboard bracket flanges (**FIGURE 25**).

l. If bracket flange adjustment is required to accept the headboard, remove the 1 inch long hex head bolts and move flanges side-to-side for the adjustment (**FIGURE 25**). Reinstall bolts. Tighten all headboard mounting bolts.

m. Install headboard.

12. Install mattress on the adjustable bed base.

Typical PowerBASE™ adjustable bed installation is now complete. If bed is equipped with programmable settings or options, refer to the *Hand Control Guide* for programming information.

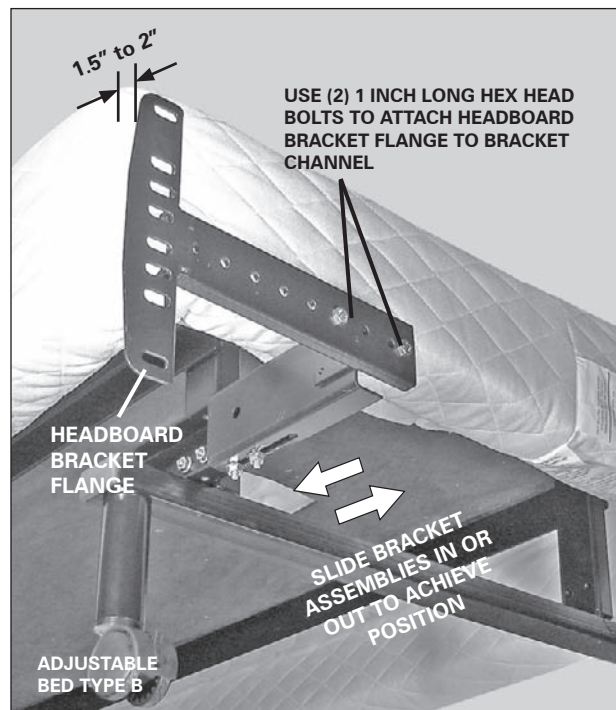


FIGURE 24: Bed base Type B headboard bracket flange attachment.

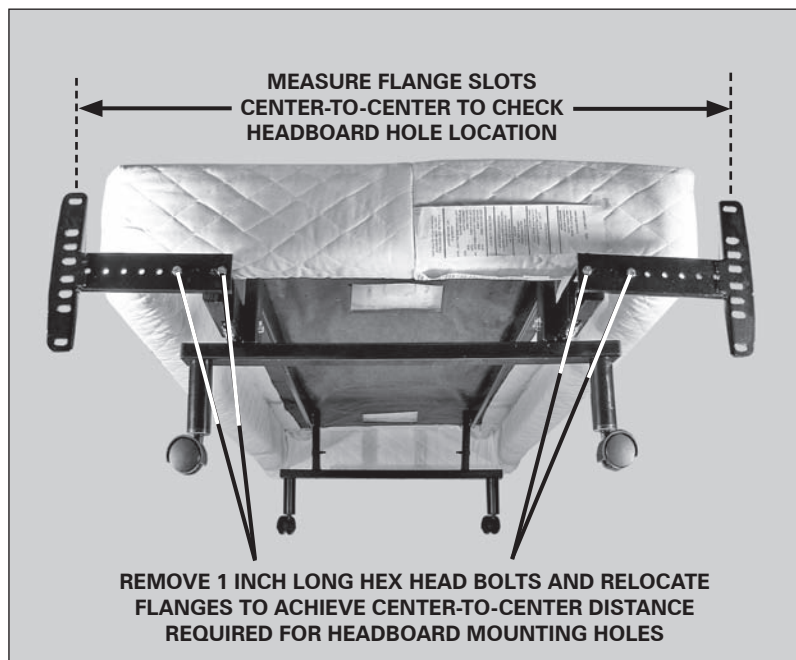


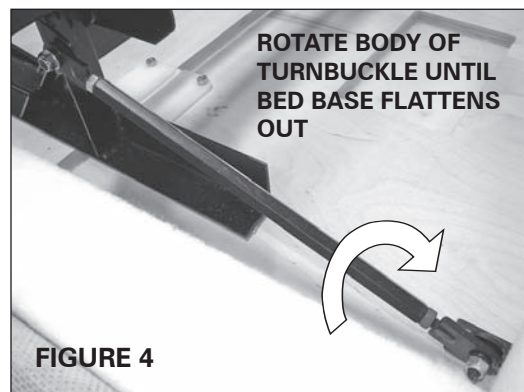
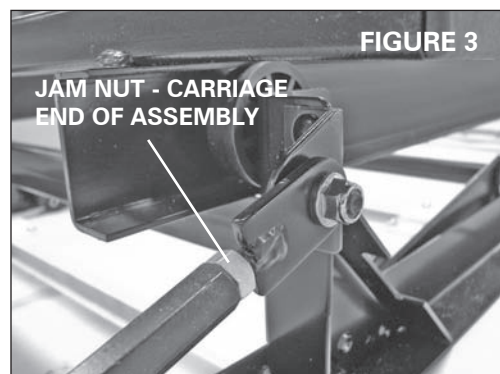
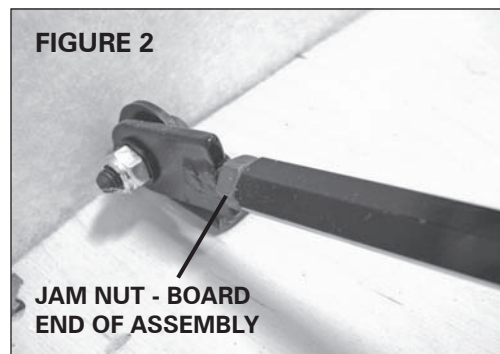
FIGURE 25: Headboard bracket measurement and adjustment to accept headboard.

NOTE

TWIN SIZE HEADBOARD BRACKET ASSEMBLIES ARE SHOWN (FIGURES 23 AND 24). QUEEN SIZE HEADBOARD BRACKETS ARE EQUIPPED WITH ANGLE BRACES.

TURNBUCKLE ADJUSTMENT

If the foot end of the bed base becomes unlevel (**FIGURE 1**), adjust by following the numbered instructions below.



STEP 1

On one side of bed base, loosen jam nut on board end of turnbuckle assembly using a $\frac{1}{2}$ " wrench (**FIGURE 2**). *Threads are right-hand threads.* Repeat on other side of bed base.

STEP 2

On one side of bed base, loosen jam nut on carriage end of turnbuckle assembly with $\frac{1}{2}$ " wrench (**FIGURE 3**). *Threads are left-hand threads.* Repeat on other side of bed base.

STEP 3

After loosening both jam nuts, grasp and rotate the body of the turnbuckle on one side of the bed base (**FIGURE 4**). The foot of the bed base will rise and flatten out. Repeat on other side until bed base is completely level.

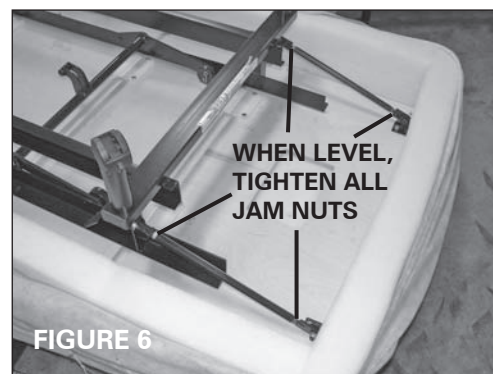
STEP 4

After adjustments have been made, check the levelness of the bed base using a straight-edge instrument (**FIGURE 5**).

STEP 5

When level, tighten all jam nuts in assembly with $\frac{1}{2}$ " wrench (**FIGURE 6**). *Hold the body of the turnbuckle assembly while tightening to ensure base remains level. Jam nuts need to be tight enough to prevent movement in turnbuckle.*

Turnbuckle adjustment is complete.



TROUBLESHOOTING

In the event the PowerBASE™ adjustable bed fails to operate, investigate the symptoms and possible solutions provided in the chart below:

SYMPTOM	SOLUTION
Hand control illuminates and appears to be operable, but will not activate bed.	<ul style="list-style-type: none"> • Verify power cord is plugged into a working, grounded electrical outlet. <i>A grounded, electrical surge protection device is recommended.</i> Test outlet by plugging in another working appliance.
No features of the adjustable bed will activate.	<ul style="list-style-type: none"> • Program the hand control (see <i>Hand Control Programming</i> section of this manual for programming procedures). If equipped with power down box, make certain power down box is easily accessible. Relocate power down box if required. • Unplug power cord, wait 30 seconds and plug in to reset electronic components. • Electrical circuit breaker may be tripped. check electrical service breaker box to verify. • Defective surge protection device or electrical outlet. Test outlet by plugging in another working appliance.
Hand control will not illuminate.	<ul style="list-style-type: none"> • Replace batteries in the hand control.
Head or foot section will elevate, but will not return to the horizontal (flat) position.	<ul style="list-style-type: none"> • Bed mechanism may be obstructed. Elevate bed and check for obstruction. Remove obstruction. • Head section may be too close to the wall. • Headboard may be too close the edge of the mattress. Verify a 1.5" (38.1mm) to 2" (50.8mm) distance between headboard brackets and mattress. Adjust if required.
Excessive massage motor noise.	<ul style="list-style-type: none"> • Verify headboard brackets were removed during installation. Remove headboard brackets if still attached to the underneath side of bed. • If bed is located on hard surface flooring, place carpet pieces or rubber caster cups under each leg or caster of the bed. (See accessory sheet, included with this product, for rubber caster cup order information.) • Elevate the head or foot section a short distance (with the hand control) to realign the lift/lower mechanisms with the bed support platform. • Verify that bed is not positioned against a wall, nightstand, or other object that may cause vibration or noise. • If adjustable bed is installed over a bed frame, verify massage motors are not causing bed frame (or bed frame components) to vibrate. • Verify that headboard attachment hardware is tightened firmly (if used).

customer (care))

Contact customer care toll free at 800-888-3078.
For customer care online, email: accustomerservice@leggett.com

