



Quiet Knight Mattress Raiser



VG812

Fitting and Maintenance Instructions

INTRODUCTION

Thank you for deciding to purchase the Quiet Knight powered, width adjustable mattress elevator from Aidapt. The Quiet Knight Mattress Raiser is manufactured from the finest materials and components available.

When used correctly it is designed to give many years of reliable, trouble-free service.

NB. This equipment must be installed by a competent person.

Maximum User Weight: 190 kg (30 stone)

Do not exceed the weight limit stated – doing so could put the user at risk.

LIMITATIONS OF USE

1. Your Quiet Knight is designed to fit most types of beds of various widths from 2'6" (729 mm) through to 5'0" (1524 mm). Some types of bed, e.g. metal framed beds, may not be suitable for the Quiet Knight, if you are in any doubt, please contact your supplier before use.
2. The Quiet Knight must not be used in conjunction with any form of electric under blanket.
3. The Quiet Knight is an ideal product for home, residential care and nursing home situations; it has been tested for low to medium hazard use.
4. The Quiet Knight has been tested for a maximum user weight of 190 kg (30 stone). For safety reasons you must not exceed this maximum user weight and you must also ensure that the unit is sitting stable and square to the bed, and that all securing straps are properly secured as per the instructions below.

PRODUCT DESCRIPTION

1. **FRAME.** Your Quiet Knight is constructed from high quality strong steel tube and flat metal plate. The unit incorporates a lifting device known as an actuator which comes ready fitted: It is the actuator that gives the Quiet Knight its raising and lowering action.

The Mark II Quiet Knight Mattress Variator is fitted with an 'anti crush device' as standard. This device reduces the risk of entrapment between the base and pivoting section of the unit, however you must always still use caution and take care when using the product.



Always check for any obstacles before use and do not allow children to play with the Quiet Knight.

2. **HANDSET.** The Handset is ergonomically designed to feel comfortable to the hand, it has 'easy touch' buttons with clear arrows for raising and lowering the unit.
3. **STRAPS.** Each Quiet Knight comes complete with four sets of straps and buckles, which must be correctly fitted before use.



The straps may limit access to divan drawers once in place, always ensure the straps are properly resecured if they are undone at any time.

BEFORE USE/UNPACKING YOUR QUIET KNIGHT

Firstly please check that the box contains all the components required which are as follows:

1. Quiet Knight Mattress Variator with chrome plated extending sides and base, complete with:
 - Actuator control box
 - Handset with cable
 - 4 x plastic pin clips
 - 4 x plastic stoppers
2. Packing List and Test Certificate
3. User Guide (this booklet)

If you are short of any of the above items or any of the items are damaged, please contact your supplier immediately.

HOW TO FIT YOUR QUIET KNIGHT



NB. Do not remove the plastic locking transit strap fitted to the rear of your quiet knight until fitted securely to the bed.

1. Firstly remove the mattress from the bed base and pull out the bed (away from the wall) to allow yourself greater access to fit the Quiet Knight.
2. Place the Quiet Knight onto the bed squarely with the raised section facing the head of the bed. See Fig. 1.

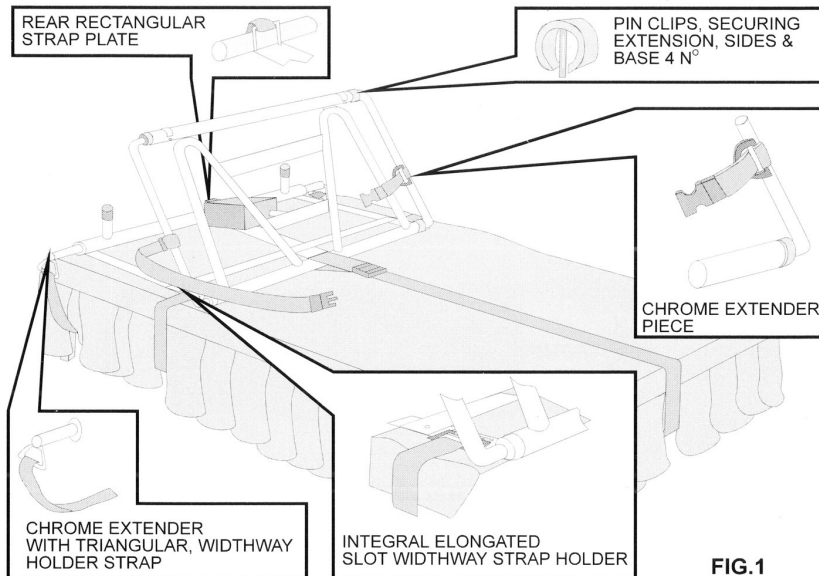


FIG.1

- 2.1. Fitting your Quiet Knight to 4', 4'6" and 5' wide beds (1220 mm, 1375 mm and 1524 mm wide beds) only:

Firstly, remove the four pin clips which secure the two chromium plated side extenders on the top of the unit. Pull out to the extenders so that they are level with the edge of the bed ensuring that you do not exceed the last punched hole on the Quiet Knight frame. Refix the pin clips to secure ensuring that they pass completely through the frame and extension bars.

- 2.2. Fitting to 2'6" and 3' beds, (724mm and 915mm beds) only. You do not need to adjust the chromium plated extenders.
- 2.3. The extension bars to the rear of the Quiet Knight base are packed for transit. Pull out the bars to the desired width and turn the tubes so that the triangular sections are pointing downwards. Insert the two pin clips provided.

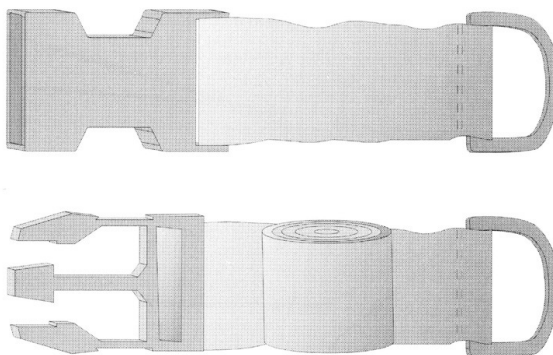
3. Fitting the two sideways base straps:

Firstly take the small strap section (approximately 285 mm long) comprising buckle, strap and plastic loop. Pass the first small strap through the triangular part of chromium extender piece and pass the buckle back through the plastic loop, so as to tie the small strap to the triangular extender piece.

Repeat the above operation but, pass the small strap through the elongated slot on the base of the elevator.

Now, using the long straps, (locking buckle, long strap and small loop), repeat the first steps but fitting the long strap to the opposite triangular part of the strap and to the opposite integral slot. Pass the long straps transversely (side to side) under the bed base, bringing them up to clip into the small straps. Tighten off by pulling the strap through the locking buckle.

Once tight, tie off for extra security.

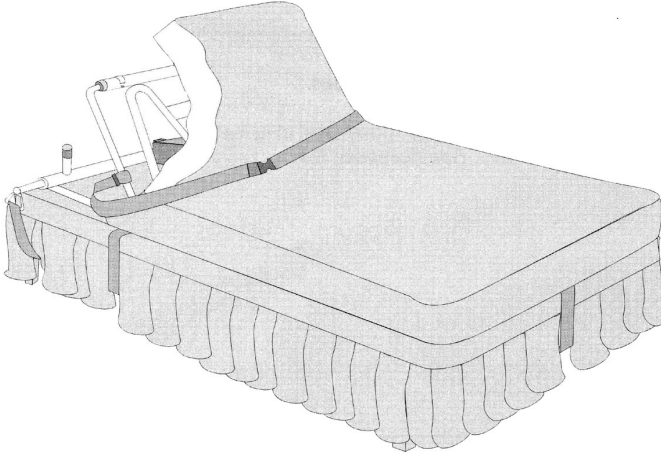


4. Fitting the length-way strap:

Firstly take the short strap and pass through the integral painted metal rectangular loop located centrally at the rear of the unit, then pass the strap back through the plastic strap loop to secure. Then, take the long strap and attach to the centre of the front of base frame, repeating the action of the small strap.

Pass the fixed strap lengthways under the bed base, bringing it up to secure with the buckle end secured to the rear of the elevator tighten off and knot off to secure.

5. How to fit the mattress strap:



Take the small strap and loop around the chrome extender side pieces.

Repeat the action on the opposite chrome extender. Place the mattress back onto the top section of the elevator. Pass the strap over the mattress and secure into the small strap, tighten and knot for additional safety.



Now remove the transit strap (plastic cable ties) to the rear of the Quiet Knight. **Be sure to wear protective eye wear when removing the transit strap.**



WARNING! Make sure that you DO NOT extend the mattress support extender beyond the sides of the mattress, as this will reduce the cover of support.

DETAILED GUIDE TO FITTING STRAPS AND BUCKLES

If you require further instruction to fit the straps and buckles, the illustrations below have been provided to show this in greater detail.

1. The sequence below illustrates how to attach the short strap to the variator frame:

Fig 1a.



Fig 1b.



Fig 1c.



Fig 1d.



2. The sequence below illustrates how to attach the long straps to the variator frame. (Please note the buckle must be removed from the strap prior to fitting the long strap to the frame):

Fig 2a.



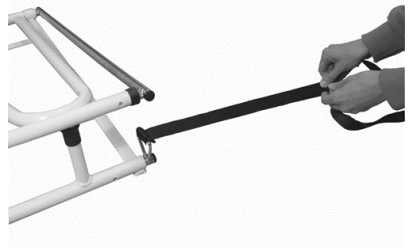
Fig 2b.



Fig 2c.



Fig 2d.



3. The sequence below illustrates how to attach the buckle to the strap:

Fig 3a.



Fig 3b.



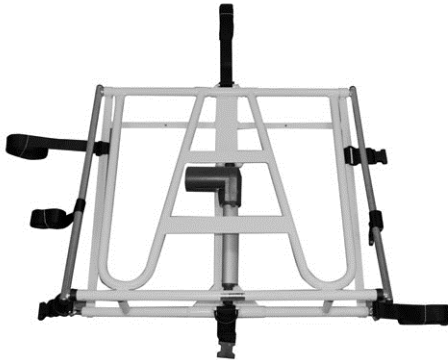
Fig 3c.



Fig 3d.



4. The image below displays where each strap is to be attached to the variator frame, Repeat steps 1, 2 and 3 when attaching all straps/buckles and ensure the straps are tight and have sufficient tension to keep the frame in place once the buckles are secured:



FITTING THE HANDSET AND 3 PIN MAINS PLUG TO THE ACTUATOR

1. Plug in the actuator to the transformer control box provided.
2. Plug in the handset provided.
3. Plug in the mains 13 Amp 3 pin plug fused to 3 A maximum provided.
See Fig. 4.

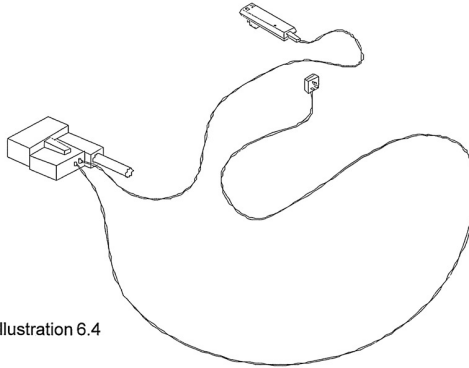


Illustration 6.4

OPERATING YOU QUIET KNIGHT

Once the power is connected hold the handset facing you with cord below and press the **↑** button to raise the elevator and the **↓** button to lower.



Warning! When operating your Quiet Knight be sure to keep limbs and other body parts away from all moving parts and rear integral mounted stops. If any body part accidentally becomes trapped, stop the action of your Quiet Knight immediately and seek medical advice for any injury sustained.



Always check for any obstacles before using your Quiet Knight.

Do not allow children to play with the Quiet Knight.

FAULT FINDING

PROBLEM	POSSIBLE CAUSE	REMEDY
Backrest stops sporadically	Safe working load exceeded	Follow safe maximum load guidelines, 190 kg (30 stone)
	Possible fault to the actuator, control box or handset	Call your engineer for help
	Mains cable loose	Check and secure the plastic loop adjacent to the mains socket on the actuator
	Handset loose	Check connection and push securely into handset socket on actuator
New Quiet Knight is omitting noise	Actuator needs running in	Run unit a few times to seat the actuator
Actuator is running, but the unit is not moving	Faulty actuator or handset	Call your engineer for help
Actuator not running or lifting	Mains cable not plugged in	Call your engineer for help
	Handset not plugged in	Check handset is plugged in
	No power supply to the unit	Check mains supply/ check fuse in plug
Unit will not lower, handset and power are OK	Anti-crush device has operated	Raise the unit to its fully extended height and lower
Unit moves away from the bed when raising	Straps to base widthways and lengthways are not tight enough	Tighten up straps
Mattress creeps down the bed and overhangs the base	Mattress strap is not tight enough	Tighten mattress strap
	Mattress stopper could be needed	Install Aidapt mattress stopper
	Mattress is orthopaedic type	Install Aidapt mattress stopper

SPARE PARTS LIST

The following spare parts are available, please contact your supplier for pricing and ordering information.

- Replacement strap set
- Replacement handset
- Mains lead
- Replacement actuator and control box combined
- Aidapt mattress stopper with fixing strap and buckle

TECHNICAL INFORMATION

Product title	Quiet Knight Mattress Variator
Weight without box	14 kg (31lb)
Maximum user weight	190 kg (30 stone) uniformly distributed, fully opened
Overall size closed (36"x28"x6") including actuator	920 mmx710 mmx150 mm (WxDxH)
Overall size open (56¾"x28"x6") including actuator	1440 mmx710 mmx150 mm (WxDxH)
Minimum lift	10°
Maximum lift	80° (overall) 67° (nett)
Power supply	240 Volt 50 Hz to actuator
Power system	24 Volt DC

- Handset and actuator approved to EN 50081-1 1992-01-31 and EN 50082-1-1992-30
- Actuator and handset housing to IP 54 water ingress
- Electric shock resistance and protection to Class II
- Actuator and handset tested to EN 60601-1996-03
- Mains cable with 13 Amp, 3 pin plug fuse to 3 Amp only

NB. Maximum user weight is based on maximum load of 143 kg.

REISSUE

If you reissue or are about to reissue this product, please thoroughly check all components for their safety.

If in any doubt, please do not issue or use, but immediately contact your supplier for service support.

CARE & MAINTENANCE

Maintain your Quiet Knight at regular intervals ensuring that all parts are moving freely and make sure actuator is moving freely.

Also regularly check that the straps are secure and free from any wear.

When cleaning your Quiet Knight make sure to cover the actuator and remove the handset and mains plug (from the wall).

Clean the metal frame and chrome extenders with a mild solution of water and detergent or use a disinfectant to BS6424.

IMPORTANT INFORMATION

The information given in this instruction booklet must not be taken as forming part of or establishing any contractual or other commitment by Aidapt Bathrooms Limited, Aidapt (Wales) Ltd or its agents or its subsidiaries and no warranty or representation concerning the information is given.

Please exercise common sense and do not take any unnecessary risks when using this product; as the user you must accept liability for safety when using the product.

Please do not hesitate to contact the person who issued this product to you or the manufacturer (detailed below) if you have any queries concerning the assembly/use of your product.

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