

# Barton Convertible

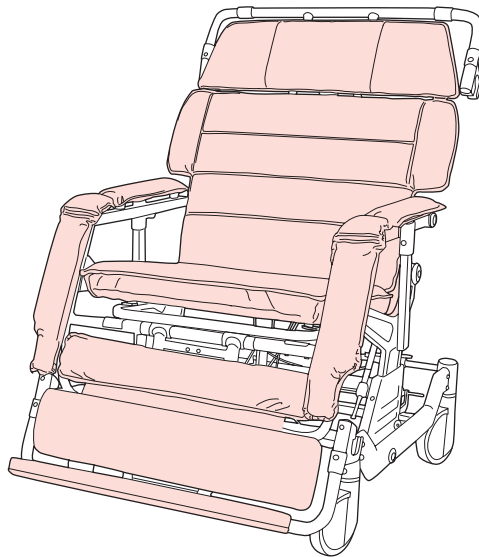
## I-1000

(b1082-TS-GEL)

### Owner Operation Manual

(with Warranty) Rev.E July' 07

- This Operation Manual provides important instructions for the safe use of Barton Convertible I-1000 chair. Please read this manual carefully and use Convertible I-1000 chair only after you have developed a full understanding about its safe and correct use.
- Do not use the Convertible without first reading and understanding the transfer procedures.
- Keep this manual where you can consult it whenever necessary.
- The information contained in this manual is subject to change without notice.



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MEDICAL CORPORATION

[www.bartonmedical.com](http://www.bartonmedical.com)

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# 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.**

## **SAVE THESE INSTRUCTIONS.**

### **Indications for Use:**

The Convertible® I-1000 I-Series Positioning and Transfer Chair is an electric positioning chair with motorized positioning control that can be adjusted to various positions. The device is used to alter postural positions and to provide a means of transferring a patient horizontally from a height adjustable bed or trolley, to the chair and vice versa. The chair can then be transformed from a supine position into the sitting position without ever lifting the patient.

### **Device Description**

The Convertible® Positioning and Transfer Chair construction is made of steel tubular components, on to which is fitted foam filled upholstery. The mechanism allows the Convertible® Positioning and Transfer Chair to transform from the horizontal supine position into a chair, which can then be tilted. The reclining function allows the Chair and patient profile to change from a sitting position to a horizontal or supine position suitable for transferring. The Tilt-in-Space function allows the I-1000 to be independently inclined to the rear (Tilt-in-Space). A hand-held push button controller is used to engage actuator motion and vary the I-1000's position. The electric system is composed of a 24-volt rechargeable battery, an external battery charger, and a control unit. Recharging of the battery is accomplished via the external battery charger.

### **Contraindications**

The Convertible® Positioning and Transfer Chair is not intended for patient transport.

**Only use The Barton Patient Transfer System with the Convertible I-1000 Positioning and Transfer Chair.**

**The Convertible® Positioning and Transfer Chair is intended for indoor ambient environments. It is not intended for use in high moisture areas (i.e. showers, pool therapy), extreme temperature, humidity, or pressure environments.**

#### **Risks and Benefits**

**The decision to use the Convertible® Positioning & Transfer Chair must be made by a trained caregiver. In all cases this chair can only be articulated when the patient is attended.**

**The Convertible® Positioning & Transfer Chair is ideal for moving those patients who are unable to move themselves. The patient can be moved without the indignity, discomfort, and medical limitations of traditional mobile hoists.**

**The patient will always be supported either on the bed and/or the chair and is never suspended. Therefore the patient can be moved with reduced risk of injury to either patient or caregiver.**

**The Convertible® Positioning & Transfer Chair is easy to operate by trained personnel. All the main movements are operated by a hand-held push button controller used to engage actuator motion and vary the I-1000's position.**

#### **Device Expectations**

**The device is used to alter postural positions and to provide a means of transferring a patient horizontally from a height adjustable bed or trolley, to the chair and vice versa.**

### **Environmental Issues**

After life of the product:

- Recycle in accordance with the recycling codes of your country. Inquire at your local disposal management and recycling center for local codes.
- Recycle all metal parts.
- Plastic parts should be disposed of or recycled according to the directive in your country.
- The batteries, which are lead-acid batteries, can be returned to LINAK or disposed in the same way as car batteries.

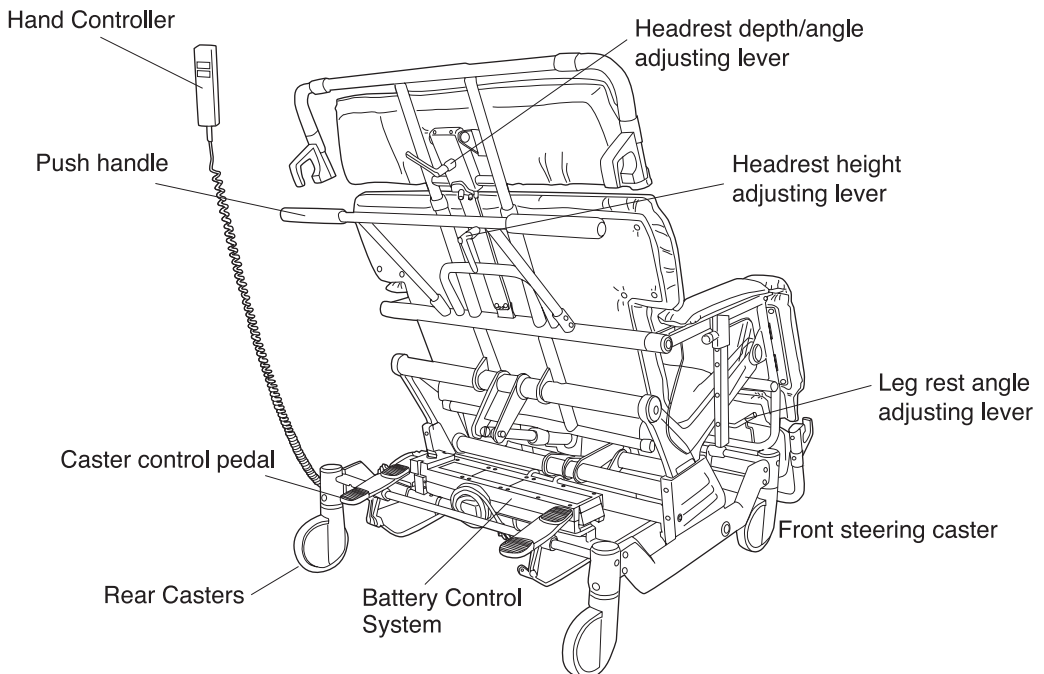
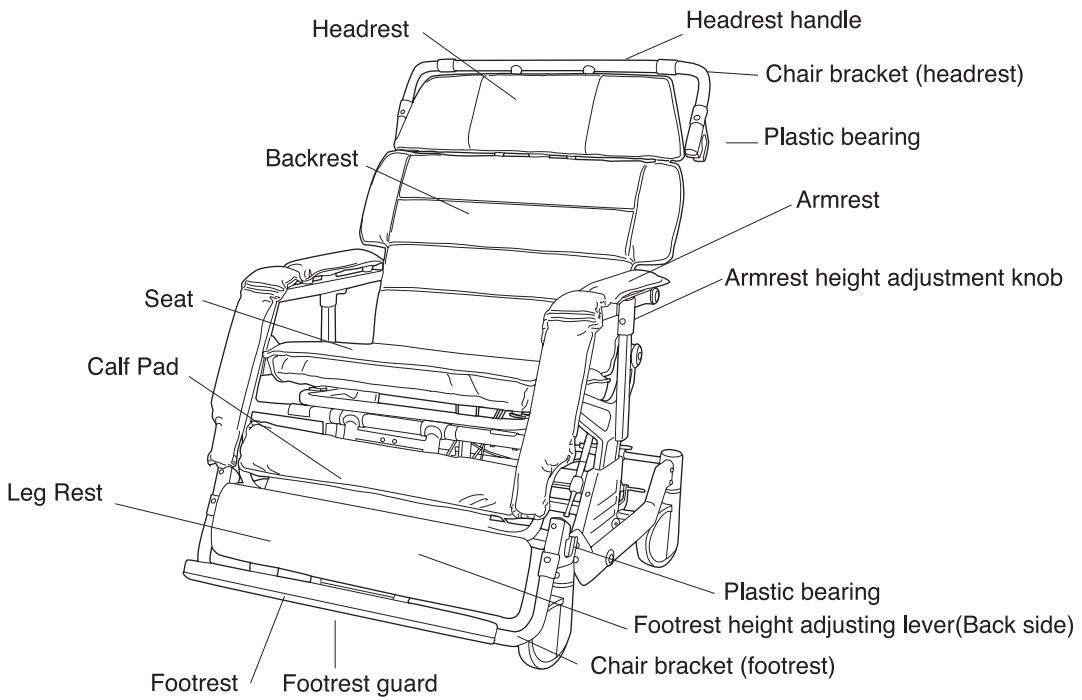
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# 1 Part names

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## 2 Safety notes

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You must understand the warnings and cautions in this manual to use the Barton Convertible safely. Please read all of these instructions carefully to avoid personal injury or property damage.

### **Tie-Down Restraints and Seat Positioning Straps**

The Department of Transportation has not approved any tie-down system for transporting an occupied Convertible in a moving vehicle of any type. The manufacturer does not recommend transporting the Convertible in vehicles of any kind while the equipment is occupied.

It is the manufacturer's position that users of the Convertible should be transferred to appropriate seating in vehicles and be transported with the use of standard auto industry restraints. The manufacturer cannot and does not recommend any transportation system for the Convertible.

As regards to restraints and seat positioning straps, therapists and other health-care professionals are obligated to determine if a seat positioning strap is required to ensure the safe operation of this equipment by the user. Serious injury can occur in the event of a fall from a Convertible chair.

### **Weight Limitations**

The maximum occupant weight for the Convertible I-1000 is 1000lb(450kg). People who weigh more cannot use this model.

Some patients' physical limitations or weights present the potential for injuring an attendant or the patient when using the Convertible.

When in doubt, ensure that additional attendants are present.

### **Before using the Convertible, verify that:**

1. At least 2 attendants operate I-1000.
2. All casters work properly (4-caster lock, 4-caster free, steering lock).
3. The equipment reclines smoothly and stops in any desired position.
4. The height and angle of the footrest and the height, angle, and depth of the headrest can be adjusted properly.
5. The side rails can be locked and released reliably.
6. The equipment tilt smoothly and stops in any desired position.
7. Battery is charged enough for usage.
8. All electric connection are in position.
9. All height adjustment screws are securely tightened.

# Safety notes (continued)

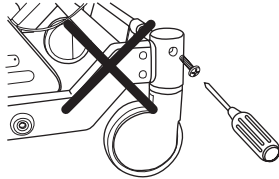


## WARNING

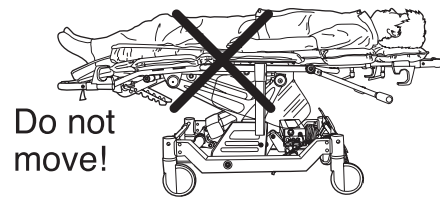
Please heed the following warning. Failure to observe them can lead to an accident and can seriously injure the patient.

## Warnings

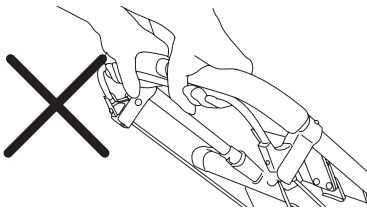
- After any adjustment, repair, or service and before use, ensure that all attaching hardware is tightened securely.



- Do not attempt to move the Convertible in the fully reclined or nearly reclined position.

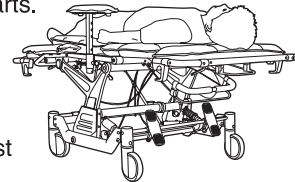


- Do not push or pull the Convertible by the headrest handle.

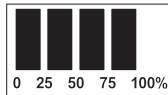


- To maintain maximum stability when reclining/ inclining the Convertible, position the patient with arms and legs inside the chair and clear of moving parts.

Inside  
Raised armrest



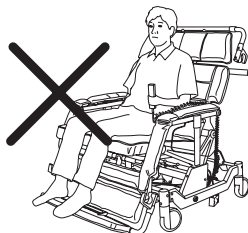
- Check the battery is charged enough for usage.



- Ensure that at least 2 attendants operate I-1000



- Only attendants should operate the hand controller. The occupant must never attempt to use the hand controller.



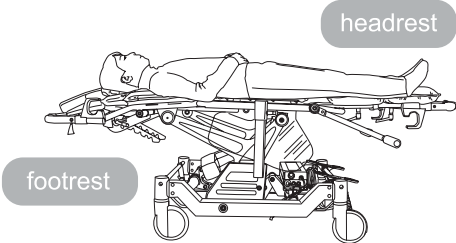
- Test the recline and tilt feature of the convertible without an occupant to ensure that the electric recline and tilt systems are operational. Do not use the Convertible if the reclining and/or tilt are (is) not working properly.



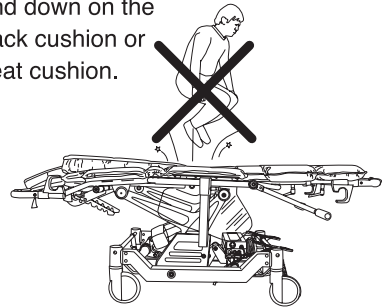
# Safety notes (continued)

## Warnings

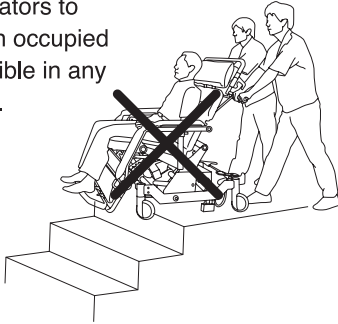
- Do not confuse the headrest and footrest when placing the patient in the supine position.



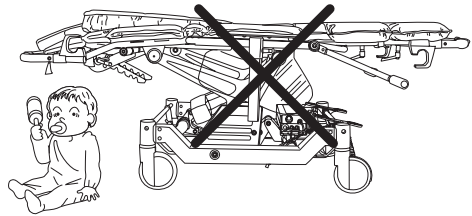
- Do not jump up and down on the back cushion or seat cushion.



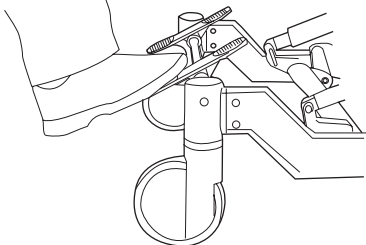
- Do not use stairs or escalators to move an occupied Convertible in any position.



- Ensure that all persons and objects are clear of the Convertible when you recline/incline and hit/return the equipment.

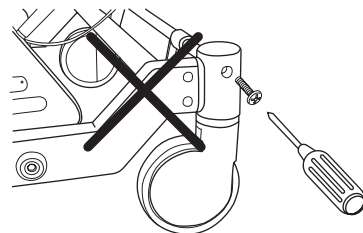


- Take special care to lock the casters securely.



- Always lock casters when loading, unloading or transferring patient.

- Never disassemble or remodel the Convertible.



- The maximum occupant weight for the I-1000 is 1000lb(450kg). People who weigh more cannot use this model.

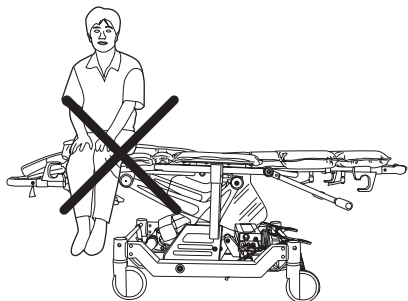
- Do not attempt to lift the Convertible I-1000 chair by holding the leg rest assembly.



# Safety notes (continued)

## Warnings

- Never sit or lean on the headrest or the legrest when the Convertible is in the prone position.



- Take special care when going up or down a ramp. Never park the Convertible on a slope. Never leave an occupied chair unattended.



- Only operate chair on handicap grade access ramps.

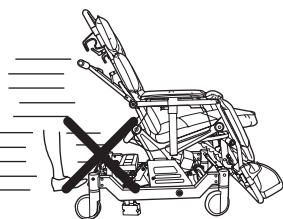
- The Convertible is not designed to properly support a patient receiving CPR. This will change the center of gravity and may cause the equipment to tip over.

- Do not use the Convertible on gravel, frozen roads, or any surface that is extremely slick or wet.
- The convertible is for indoor use only.

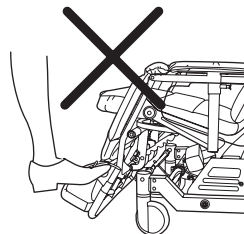
## Cautions

**Please heed the following cautions. Failure to observe them may result in personal injury or mechanical failure.**

- Do not attempt to use the caster locks to stop the Convertible in motion. These locks are not designed to be braking devices.



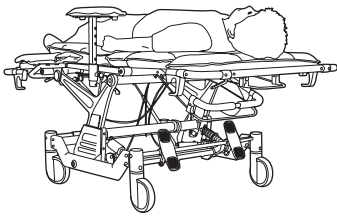
- Do not use the footrest as a step when you sit on or get off of the Convertible.



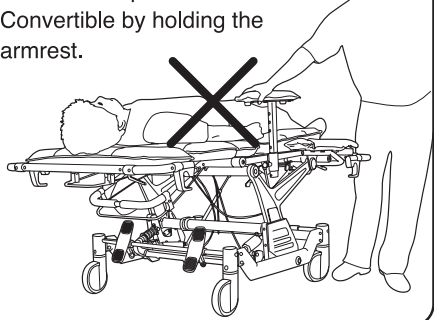
It is recommended that the equipment be stored in air less than 70% humidity and temperatures -10 to 122 F (-23 to +50 C).

# Safety notes (continued)

- Always raise the armrests whenever the patient is in the prone position. The armrests act as side rails.



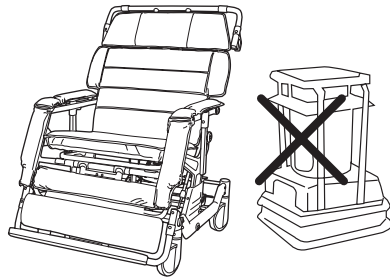
- Do not attempt to move the Convertible by holding the armrest.



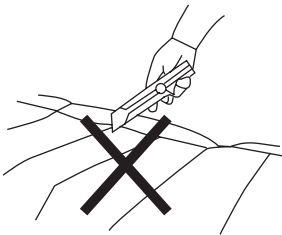
- The Convertible is designed for a single occupant. Never allow two or more people nor place any other heavy object on it.



- Do not use near an open flame (stove, cigarette, etc.) or an extreme heat source.



- Never apply any cutter or sharp-edged object to any of the cushions.



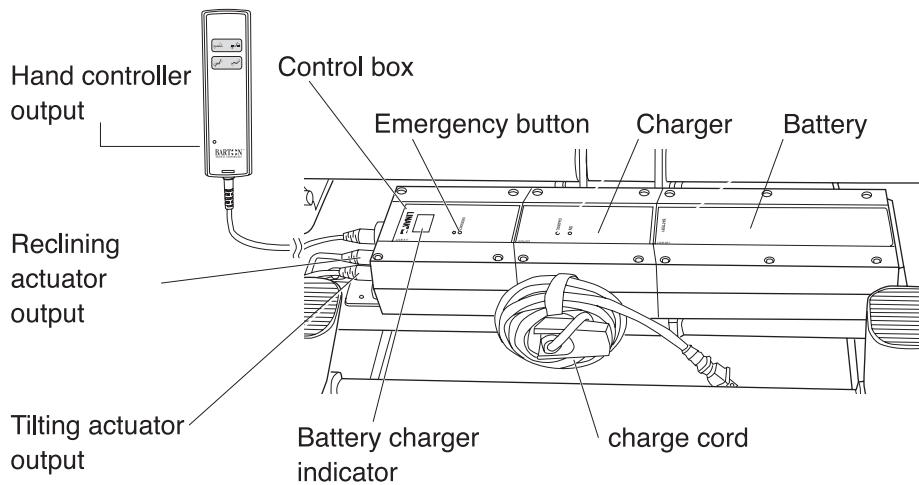
- The Convertible I-1000 is not designed as a weight training or rehabilitation apparatus. Never use it for such purposes.

- Do not use a Convertible with any missing or abnormal part.

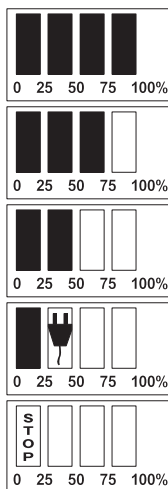
- Use only parts, accessories, and adapters authorized by the manufacturer.

Electronic equipment can be affected by Radio Frequency Interference (RFI). CAUTION should be exercised when using portable communication equipment around such equipment. If RFI causes erratic behavior, use the emergency down button to lower the unit into a horizontal position and transfer the patient from the chair.

### 3. Electric system



#### ◆ Battery charge indicator



**battery is almost 100% charged**

**battery is about 75% charged**

**battery is about 50% charged**

**battery is about 25% charged**

**battery is about 0% charged**

The Linak battery BAJ1 has to be charged with a Linak JUMBO charger CHJ2 or a Linak JUMBO control box CBJ1 or CBJ2 with integrated charger.

It is recommended to charge battery anytime when the Convertible is not used. It is recommended to have a spare battery and a charger. When the battery is 0% charged, it will take 4-5 hours to be 80% charged and about 10 hours to be almost 100% charged.

It is recommended that you remove the batteries if the equipment is not likely to be used for an extended period of time.



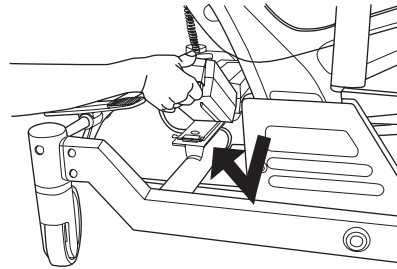
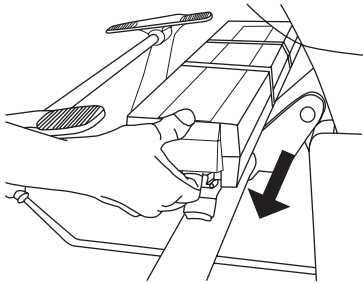
#### **CAUTION**

**When charging, the electric system is not operative. Reclining or tilting functions will not operate when charging.**

## ◆ How to replace battery

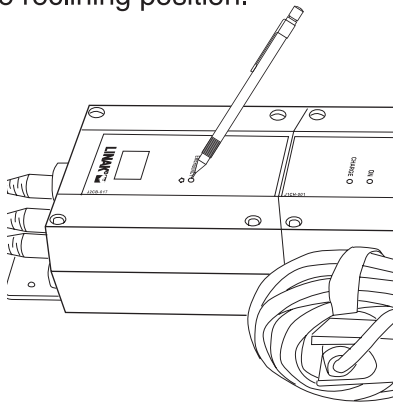
To remove battery, pull the lever underneath of battery and slide to arrow direction and lift.

To replace, reverse remove process.



## ◆ EMERGENCY BUTTON

Pushing the EMERGENCY BUTTON will move the Convertible into the reclining position.



<b>Battery control system</b>	<b>Control box</b>	<b>Ambient temperature: 41F to 104F (+5°C to +40°C)</b> <b>Duty cycle: Max.10% or 2 min. in continuous use then 18 min. without use.</b> <b>Output voltage: 24V DC</b>
	<b>Charger</b>	<b>Ambient temperature: 41F to 104F (+5°C to +40°C)</b> <b>Mains voltage: 100 - 240V/50 - 60 Hz</b>
	<b>Battery</b>	<b>Ambient temperature: 41F to 104F (+5°C to +40°C)</b> <b>Battery capacity: 12V DC, 2×2.9 Ah</b>



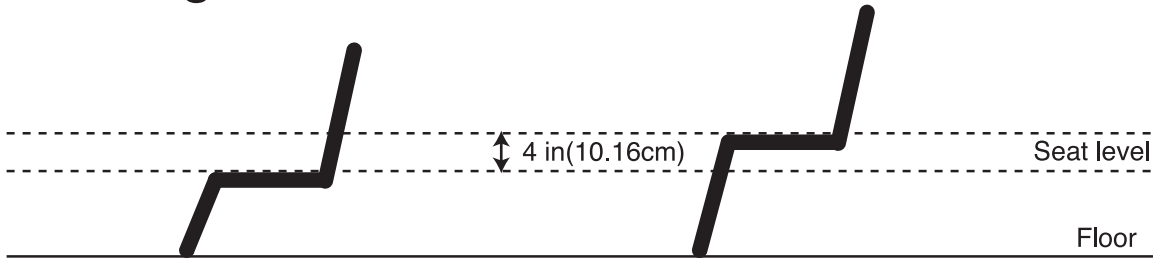
**CAUTION**

If duty cycle is exceeded, there is risk of the control box being overheated and damaged. Exceeding the duty cycle will result in a dramatic reduction of the product.

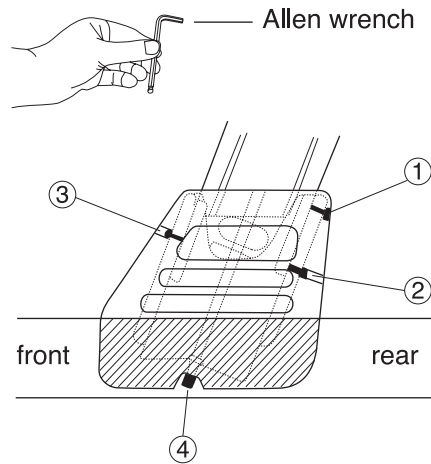
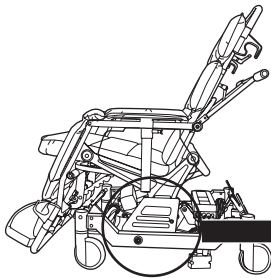
# 4. Making adjustments

## Seat height adjustments

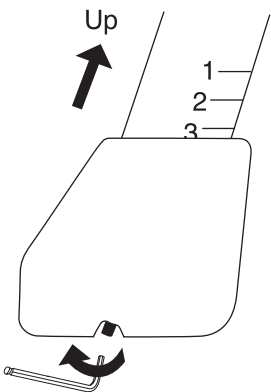
◆ Seat height is adjustable within 4 in(10.16cm) range



### How to adjust



### Raising the height



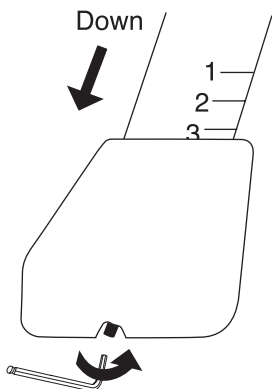
1. With Allen wrench(5mm), loosen 6 bolts ①②③ on height adjust diecasts on both left and right side of the Convertible. Be careful not to unscrew the bolts.
2. Using the Allen wrench, rotate ④ bolt counterclockwise alternating between left & right sides at 1/2in(1.27cm).
3. Repeat 2 until the seat height reaches desired height.
4. Tighten bolts ① and ② on both sides.
5. After tightening ① and ②, tighten bolt ③ on both sides.

**CAUTION** Do not set height above 4in(10.16cm) mark.

# Making adjustments (continued)

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## Lowering the height



1. With Allen wrench(5mm), loosen 6 bolts ①②③ on height adjust diecasts on both left and right side of the convertible. Be careful not to unscrew the bolts.
2. Using the Allen wench, rotate ④ bolt clockwise alternating between left & right sides at 1/2in(1.27cm)ments.
3. Repeat 2 until the seat height reaches desired height.
4. Tighten bolts ① and ② on both sides.
5. After tightening ① and ②, tighten bolt ③ on both sides.



### CAUTION

Make sure the bolts ①②③ on both left and right are fully tightened after finishing height adjust of seat.

# Making adjustments (continued)

## Height/depth/angle adjusting levers

### ◆ The Convertible I-1000 has three adjusting levers:

1. Headrest height adjusting lever
2. Headrest depth/angle adjusting lever
3. Footrest height adjusting lever

These three levers, which are in the same form, have two functions:

**Function 1** Tighten and loosen. (Turn clockwise to tighten and counterclockwise to loosen.)

**Function 2** Change lever position in a tightened state.

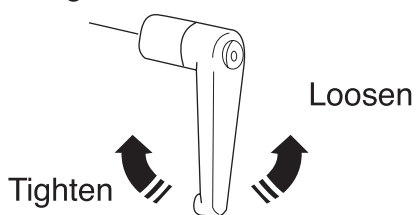


#### CAUTION

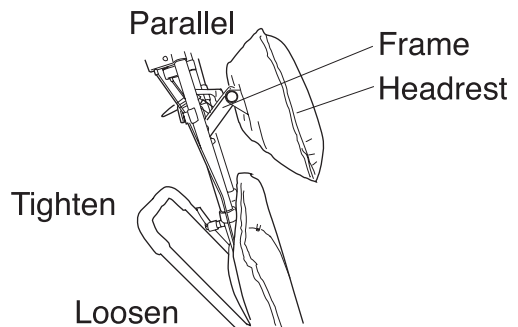
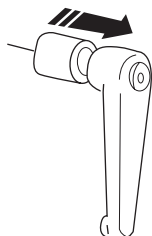
**Do not change the lever position in a loosened state.**

1. Turn the lever clockwise. When it is tightened, make the adjustment according to the instructions for the applicable lever.
2. To adjust the headrest depth/angle, push the headrest fully outward and then adjust as in 1 above.

#### Function 1 Tighten/Loosen



#### Function 2 Adjust lever position



#### CAUTION

The lever position cannot be adjusted unless the lever is tightened.

# Making adjustments (continued)

## Headrest



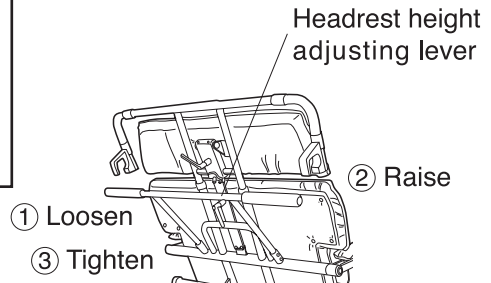
### WARNING

Always use both hands when raising or lowering headrest. Otherwise an injury or an accident may occur.

### Raising the headrest

Hold the headrest handle with one hand. Loosen the headrest height adjusting lever with the other hand. Raise the headrest slowly. When the headrest reaches the desired height, tighten the lever fully.

※ At the correct height, the patient's neck is visible.



## ◆ Depth and angle adjustment

### Loosen the lever

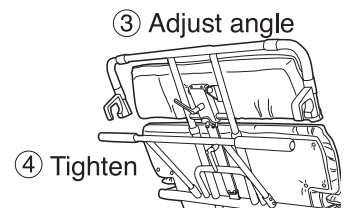
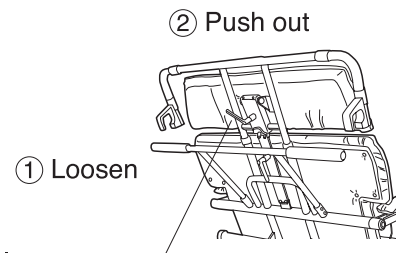
Hold the headrest securely in one hand and loosen the headrest depth/angle adjusting lever by turning it counterclockwise.

### Depth/Angle adjustment

Position both the depth and angle of the headrest assembly while the adjusting lever is in its loose position.

### Tighten the lever

Once the depth and angle are correctly positioned, secure the headrest in place by turning the adjusting lever clockwise.



### WARNING

When loosening the headrest depth/angle adjustment lever, be sure to hold the headrest securely in place. Loosening the lever with the headrest unsupported may cause the headrest to drop abruptly and an injury or accident may occur.



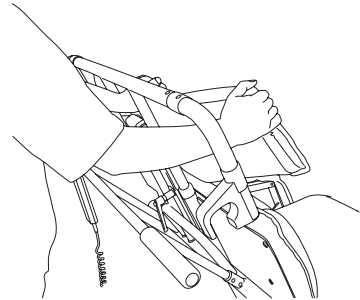
# Making adjustments (continued)

## ◆ Support adjustment

### Adjusting the headrest support

Hold the middle part of headrest support with one hand and turn one side at a time slowly inward with the other hand.

To return the headrest support to its original position, hold the middle part with one hand and pull one side at a time slowly outward with the other hand.



### WARNING

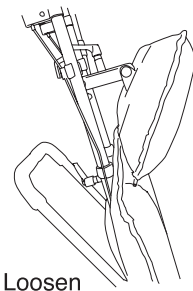
When moving the headrest back to the home position, ensure that nothing comes between the headrest and the chair frame. Otherwise an injury or accident may occur.

## ◆ Returning headrest to original position

### Loosen the lever

Hold the headrest securely in hand, so that it doesn't fall abruptly, and loosen the headrest depth/angle adjusting lever by turning it counterclockwise.

② Restore angle/depth to home position.



① Loosen

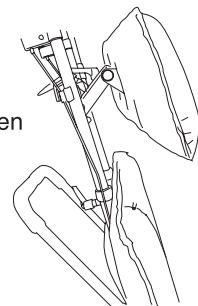
### Depth/Angle adjustment back to original position

Position both the depth and angle of the headrest assembly while the adjusting lever is in its loose position. Use both hands to move the headrest back to the original position.

### Tighten the lever

Once the depth and angle are correctly positioned, secure the headrest in place by turning the adjusting lever clockwise with your right hand while maintaining headrest position with your left hand.

③ Tighten



### WARNING

When moving the lever back to home position, ensure that nothing comes between the headrest and the handle. Otherwise an injury or accident may occur.

# Making adjustments (continued)

## ◆ Returning headrest to original position

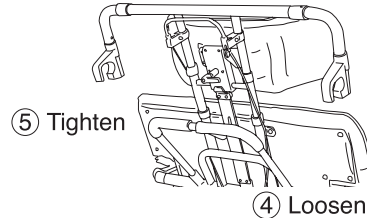
### Lowering the headrest

Hold the headrest handle with one hand. Loosen the headrest height adjusting lever with the other. Then lower the headrest slowly to its lowest position and tighten fully.



#### WARNING

Be sure to restore the headrest to the lowest position before transforming the Convertible to the prone position. Otherwise the patient's head can get caught between the back and the headrest, thus resulting in an injury or accident.



## Footrest

## ◆ Positioning the footrest

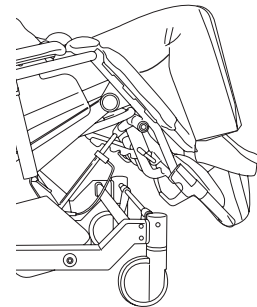
### Positioning the footrest for use

Use the footrest only at 0 degrees (in the prone position) and 90 degrees (in the upright position).



#### WARNING

Never use the footrest at any angle between 0 degrees and 90 degrees. Otherwise the footrest may suddenly fold or rise and cause an injury or accident.



## ◆ Adjusting the footrest height

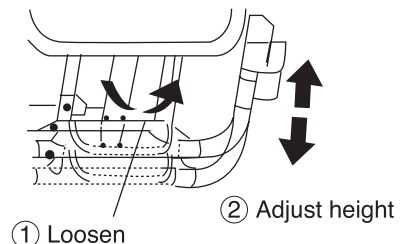
### When raising and lowering

Hold the footrest guard handle with one hand and loosen the footrest height adjusting lever with the other. Then raise or lower the footrest slowly. When it reaches the desired height, tighten the lever fully.



#### WARNING

Always use both hands when raising or lowering the footrest. Otherwise an injury or accident may occur.



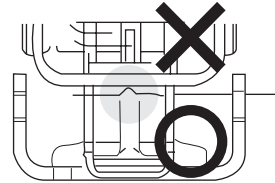
# Making adjustments (continued)

## ◆ Adjusting the footrest height



### CAUTION

Position the footrest using the footrest height adjusting lever as shown at right. With the lever up, the leg rest may not be adjusted properly.



## Leg rest

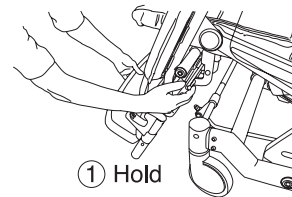
### ◆ Adjusting the angle of the leg rest

#### Raising the leg rest

Hold the footrest guard handle with one hand.

Raise the leg rest slowly by holding and pulling the leg rest angle adjusting lever and guard handle together with the other hand.

Release the leg rest angle adjusting lever when the leg rest reaches the desired position.

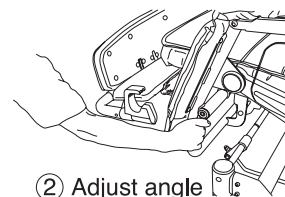


① Hold

#### Lowering the leg rest

Hold the footrest guard handle with one hand.

Lower the leg rest slowly until it stops moving by holding and pulling the leg rest angle adjusting lever and guard handle together with the other hand.



② Adjust angle



### WARNING

Always use both hands when raising or lowering the leg rest.



### CAUTION

Do not snap the lever; snapping may lead to mechanical problems.

# 5 Operating the Convertible I-1000

## Casters

The casters can be easily controlled by operating the caster control pedal.

### ◆ Central Lock

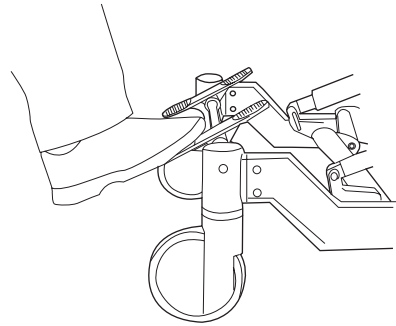
#### Function 1 4-caster lock function

Use this function to hold the Convertible motionless when transforming it from a prone to an upright position and when transferring a patient to and from a bed.



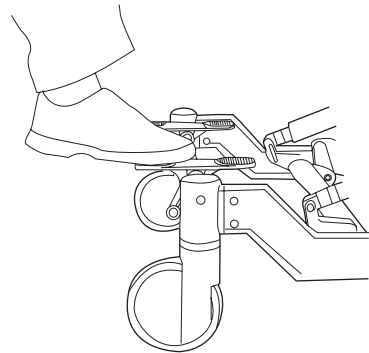
#### CAUTION

The caster lock is not designed to stop the Convertible in motion. Do not operate the caster control pedal while moving the equipment.



#### Function 2 4-caster free function

Use this function to bring the Convertible alongside a bed or to "freewheel." This function allows all 4 wheels to swivel and rotate freely.



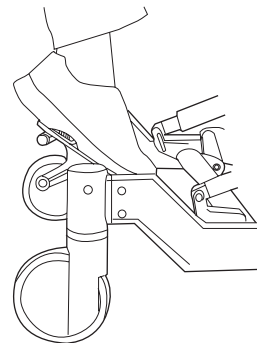
#### Function 3 Steering lock function

Use this function to lock the two front casters from swiveling so that the Convertible can be easily steered in a straight line.



#### CAUTION

Only the two front casters have all three functions. Depress the caster control pedal as shown at right and move the Convertible about three feet backward or forward. This will lock the swivel of the two front casters. You will then be able to move the equipment with greater stability.

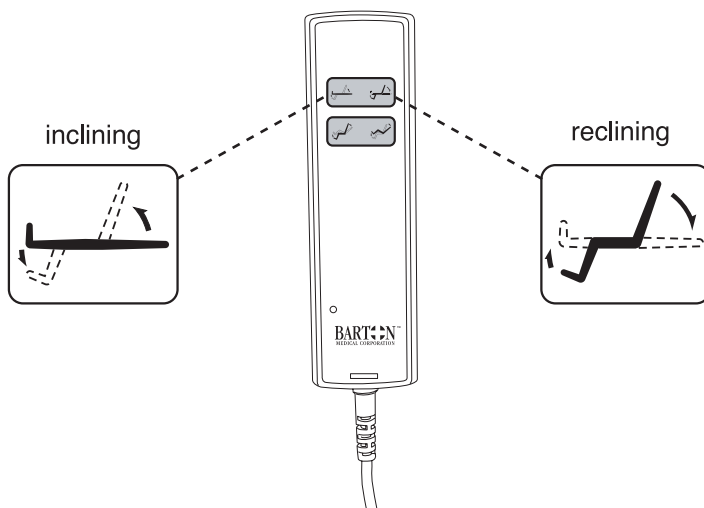


# Operating the Convertible I-1000

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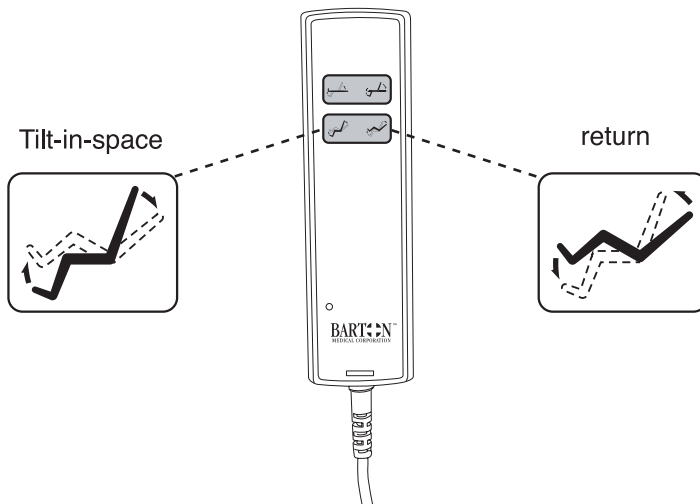
## ◆ Changing from sitting to prone position and return

Use a hand controller to perform reclining / inclining function.



## ◆ Changing tilting angle.

Use a hand controller to perform Tilt-in-space and return function.



# Operating the Convertible I-1000 (continued)

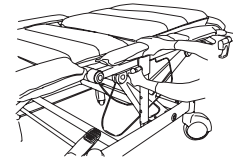
## Armrests

### ◆ How to use the armrests as siderails

#### Raising the armrests

Pull the armrest height adjusting knob with one hand while simultaneously raising the armrest with the other. Once the side armrest is at the desired height, release the height adjusting knob and armrest will lock into place.

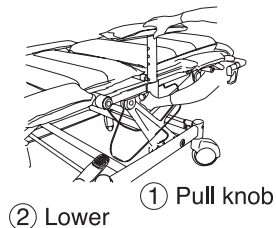
Raising side rails



#### Lowering the armrests

Pull the armrest height adjusting knob with one hand while simultaneously lowering the armrest with the other. Once the armrest is at the desired height, release the height adjusting knob and the armrest will lock into place.

Lowering side rails



#### WARNING

Ensure that armrests are securely locked in place. An unsecured armrest may fall abruptly and an injury or accident may occur.

# Operating the Convertible I-1000 (continued)

## Chair brackets

### ◆ Notes on chair brackets

The chair brackets are installed on each side of the headrest and footrest of the Convertible.



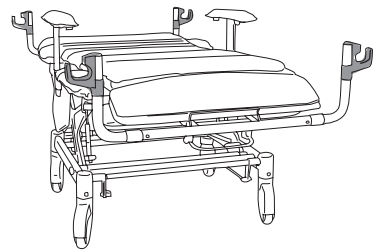
#### WARNING

Use the chair brackets only when the Convertible is in the prone position. Protruding chair brackets present a great danger; people and objects may get caught on them. After transferring a patient, be sure to restore the chair brackets to their original positions before transforming the equipment to the upright position.



#### CAUTION

Use the chair brackets only when transferring the patient using the transfer bar. Otherwise mechanical failure may result.



### ◆ Use of chair brackets

#### Bringing alongside the bed

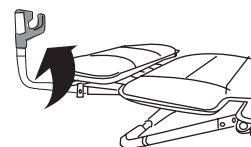
Bring the prone Convertible alongside the bed and lock the casters.



① While pulling

#### Setting chair brackets for patient transfer

Hold the chair bracket opposite the bed side with one hand and the plastic ring on the guard handle with the other hand. Then turn the chair bracket 90 degrees while pulling the guard handle longitudinally to raise the chair bracket upright.



② Turn 90° upward

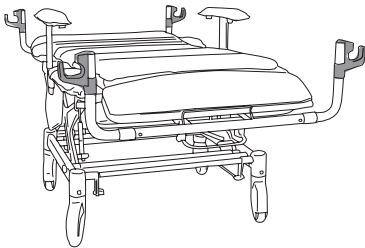
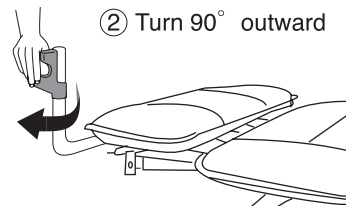
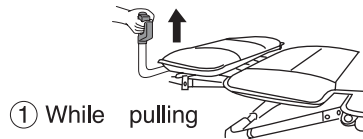
# Operating the Convertible I-1000 (continued)

## ◆ Use of chair brackets

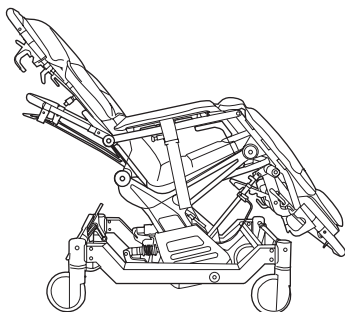
### Setting chair brackets for patient transfer(continued)

Now hold the upright chair bracket with one hand and the plastic bearing with the other. Pull and twist the chair bracket away from the bed and release it.

- ※ Perform this operation for both the headrest and footrest chair brackets on the side opposite the bed.



Correct orientation of chair bracket for patient transfer.



Correct orientation of chair bracket when chair brackets are not in use.



#### CAUTION

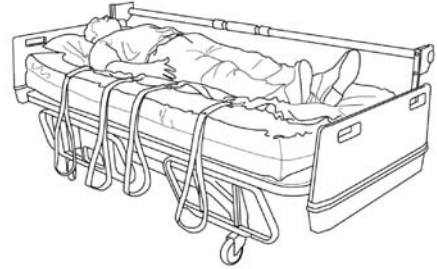
When restoring the chair brackets to their original positions, always ensure that the plastic bearings are down.



# Instructions for Patient Positioning and Transfer from Bed to I-1000 Chair

1. Place two Barton TranSheets™ underneath Patient.

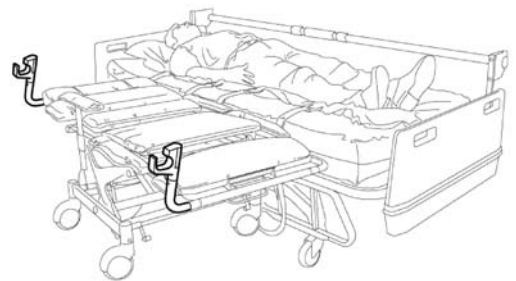
2. Attach the Velcro® straps to the TranSheets as follow: 1 near the head, 2 near the hip area, and 1 near the patient's heels. A fifth strap should be attached in the upper back area for patients weighing in excess of 200lb(90.9kg). Shorten each strap by doubling it on its Velcro as shown. This will ensure that the straps stay out of your way for the next few steps.



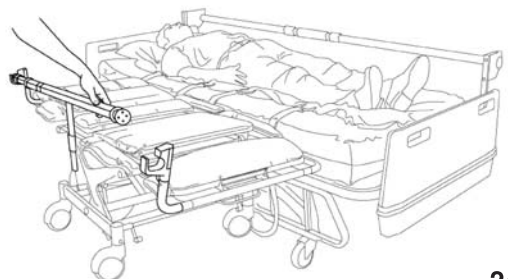
3. Make sure the chair is in its upright position. (Recline and Tilt-n-space mechanism) Align the chair so that it is correctly positioned to receive the patient and depress the central locking pedal which will automatically lock all four casters simultaneously. Place the chair into its flat position and raise the armrest, which acts as a side rail, on the non-transfer side of the chair.



4. Rotate the chair brackets on the side opposite the transfer into the positions shown in the illustration. It is helpful when rotating the brackets into place to grasp the black plastic collars and pull while rotating the joints.



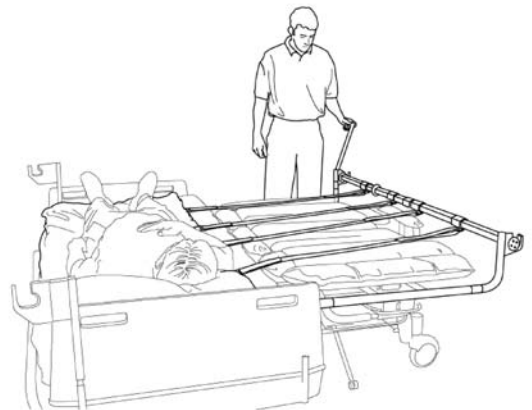
5. Attach the transfer bar to the chair brackets. Locate the silver buttons on one end of the transfer bar. Place the opposite end of the bar into the chair bracket at the foot end of the chair. Depress both silver buttons and extend the bar until the other end fits into the bracket at the head of the chair. Make sure the handle-end of the bar is at the foot of the chair.



6. Attach the transfer straps to the transfer bar by detaching the ends previously doubled and extending them toward the metal collars on the transfer bar. Thread each strap from the bottom through a slot in a metal collar on the transfer bar. Tighten the straps by applying even tension on each and then secure in place by pressing the Velcro® together.



7. Pull out and extend the crank handle from the end of the transfer bar. Bend your knees and keep your back straight. Smoothly turn the crank handle so that the straps roll OVER THE TOP of the transfer bar. Keep turning until the patient is centered on the chair.



8. Remove the TranSheet. Roll the straps around the transfer bar and secure. Remove the bar from the chair brackets and store. Rotate the chair brackets back to their stored positions. Unlock the casters and slide the chair slightly away from the bed. Raise the armrest on the transfer side of the chair. Slowly raise the seatback and adjust armrests, backrest, headrest and footrest for comfort. If necessary for patient safety, secure the patient into the chair with the Barton Quick Release Belt.



To transfer from the chair to the bed, reverse the process.

## 6 Troubleshooting the Convertible I-1000

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### ◆ Trouble? First make these checks.

Before contacting your dealer for repair, please make the following checks:

<b>Trouble</b>	<b>Check</b>	<b>Correction</b>	<b>Page</b>
<b>Does not move</b>	<b>Battery</b>	<b>Charge</b>	<b>11</b>
	<b>Caster lock</b>	<b>Release caster lock.</b>	<b>19</b>
<b>Does not go straight</b>	<b>Position of caster control pedal</b>	<b>Use the steering lock function of casters.</b>	<b>19</b>
<b>Headrest not locked</b>	<b>Lever position</b>	<b>Correct lever position.</b>	<b>15-17</b>
<b>Angle of leg rest not adjusted</b>	<b>Lever position</b>	<b>Correct lever position.</b>	<b>18</b>

# 7 Maintaining the Convertible I-1000

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## Checks and maintenance

### 1. Checks

Barton Convertible chairs are designed for enhanced safety and durability. Yet they are not totally free from wear and tear resulting from environmental conditions, duration of use, and rough handling. For increased product longevity, periodically inspect all parts and replace them as needed.

### 2. Maintenance

Moisture can cause rusting and noise. Take care to wipe off any moisture present on the Convertible.

## ◆ Cleaning the Convertible I-1000

**WARNING:** Gloves and protective clothing should always be worn when carrying out cleaning procedures.

All surfaces can be cleaned by wiping with a disposable cloth moistened with hand hot water and a neutral detergent. Rinse using clean water, dry with paper towels.

When used by a patient known or suspected of having an infection this piece of equipment should be disinfected. After washing, wipe over with Sodium Dichloroisocyanurate (NaDCC) at 1,000 ppm of available chlorine (or other chlorine releasing agent). Alternatively wipe over with a 70% Isopropyl Alcohol wipe.

### Cautions

- Do not use Hypocarbonate or Phenol based cleaning agents
- Do not use any volatile liquids such as thinners or petroleum
- The chair must not be pressure washed
- Do not use abrasive compounds or pads.
- Tests show undiluted Dettol may damage paint and plastic parts if prolong contact is allowed.

## Fabric Cleaning Recommendations

### WARNING:

- Gloves and protective clothing should always be worn when carrying out cleaning procedures.
- Before using any cleaning product, test it on an inconspicuous area of fabric. Never use any volatile fluid (thinner, gasoline, etc.) that could cause discoloration or deterioration.

### Cleaning:

- Do not use harsh cleaners or solvents
- Wipe fabric clean with neutral detergent and lukewarm water or with a sodium hypochlorite solution (0.1% or 1000 ppm available chlorine). Rinse thoroughly and allow drying before return to service.
- To control or prevent odor on long term incontinent applications, clean daily.

### Disinfection:

- Most phenolic or quaternary type disinfectants can be used. User must dilute disinfectants and germicides in accordance with manufacturer's instructions.
- Iodophor type disinfectants (i.e. Betadine) will stain fabric.
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Machine laundering or drying is not recommended

The performance of the fabric may be adversely affected by permitting any cleaning agent to remain in contact with the fabric for a prolonged duration or a failure to adequately rinse the agent from the fabric.

### Maintenance of batteries:

The batteries are to be replaced after 4 years at the latest. Perhaps earlier, dependent on the pattern of use. Frequent and high-powered discharges reduce the battery life. For optimum lifetime the product must be connected to the mains voltage as often as possible. The batteries must be charged at least every 3rd month - otherwise they will be damaged in due to self-discharge. It is recommended to test the battery function at least once every year.

## 8 Specifications

<b>Product name</b>		<b>BARTON Patient Transfer System</b>
<b>Model:</b>		<b>I-1000</b>
<b>Maximum occupant weight:</b>		<b>1000lb(450kg)</b>
	<b>Overall length (max)</b>	<b>Fully reclined with headrest and footrest fully extended: 84in(213.36cm)</b>
	<b>Overall length (min)</b>	<b>Fully reclined with headrest and footrest not extended: 74in(187.96cm)</b>
	<b>Overall height (max)</b>	<b>Fully upright at highest headrest position: 61in(154.94cm)</b>
		<b>Fully reclined: 31.25in(79.37cm)</b>
	<b>Overall height (min)</b>	<b>Fully upright at lowest headrest position: 52in(132.08cm)</b>
		<b>Fully reclined: 27.25in(69.21cm)</b>
	<b>Overall depth</b>	<b>Fully upright with footrest down: 47.5in(120.65cm)</b>
	<b>Overall width</b>	<b>38.8in(98.55cm)</b>
	<b>Seat width</b>	<b>33in(83.82cm)</b>
	<b>Seat depth</b>	<b>26in(66.04cm)</b>
	<b>Net weight</b>	<b>310lb(140.90cm)</b>
	<b>Shipping weight</b>	<b>345lb(156.81kg)</b>
	<b>Back angle</b>	<b>0° to 70°</b>
	<b>Tilting angle</b>	<b>0° to 17°</b>
	<b>Headrest adjustable height</b>	<b>0 to 5in(0 to 12.7cm)</b>
<b>Footrest adjustable height</b>	<b>0 to 5in(0 to 12.7cm)</b>	
<b>Materials</b>	<b>Caster</b>	<b>6in (15cm) diameter</b>
	<b>Frame</b>	<b>steel tubing &amp; aluminum</b>
	<b>Cushion</b>	<b>Nylon fabric with a blended neoprene/butyl rubber coating (antibacterial) Urethane foam inside</b>
<b>Battery control system</b>	<b>Control box</b>	<b>Ambient temperature: 41F to 104F (+5°C to +40°C) Duty cycle: Max.10% or 2 min. in continuous use then 18 min. without use. Output voltage: 24V DC</b>
	<b>Charger</b>	<b>Ambient temperature: 41F to 104F (+5°C to +40°C) Mains voltage: 100 - 240V/50 - 60 Hz</b>
	<b>Battery</b>	<b>Ambient temperature: 41F to 104F (+5°C to +40°C) Battery capacity: 12V DC, 2×2.9 Ah</b>



## BARTON CONVERTIBLE I-SERIES CHAIR

### LIMITED WARRANTY

PLEASE NOTE: THE WARRANTY BELOW HAS BEEN DRAFTED TO COMPLY WITH FEDERAL LAW APPLICABLE TO PRODUCTS MANUFACTURED AFTER JULY 4, 1975.

This warranty is extended only to the original purchaser/user of our products.

This warranty gives you specific legal rights and you may also have other legal rights, which vary from state to state.

Barton Medical warrants the chair frame to be free from defects in materials and workmanship for a period of three (3) years from date of purchase. Wear items including, but not limited to: upholstery, casters, locking cylinder, release cable, recline release handle, guide rod wear strips, and seat frame wear collars are warranted to be free of defects in material and workmanship for a period of one (1) year. If within such warranty period any such products shall be proven to be defective, such product shall be repaired or replaced, at Barton Medical's option. This warranty does not include any labor or shipping charges incurred in replacement part installation or repair of any such product. Barton Medical's sole obligation and your exclusive remedy under this warranty shall be limited to such repair and/or replacement.

For warranty service, please contact Barton Medical. Do not return products without our prior consent.

LIMITATIONS AND EXCLUSIONS: The foregoing warranty shall not apply to:

- Serial numbered products if the serial number has been removed or defaced;
- Products subjected to negligence, accident, improper operation, maintenance, or storage;
- Products modified without Barton Medical's express written consent including, but not limited to, modification through the use of unauthorized parts or attachments;
- Products damaged by reason of repairs made to any component without the specific consent of Barton Medical; or to
- Products damaged by circumstances beyond Barton Medical's control.

Such evaluation will be solely determined by Barton Medical. The warranty shall not apply to problems arising from normal wear or failure to adhere to these instructions.

THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESS WARRANTIES. IMPLIED WARRANTIES, IF ANY, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL NOT EXTEND BEYOND THE DURATION OF THE EXPRESSED WARRANTY PROVIDED HEREIN AND THE REMEDY FOR VIOLATIONS OF ANY IMPLIED WARRANTY SHALL BE LIMITED TO REPAIR OR REPLACEMENT OF THE DEFECTIVE PRODUCT PURSUANT TO THE TERMS CONTAINED HEREIN. BARTON MEDICAL SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES WHATSOEVER.

THIS WARRANTY SHALL BE EXTENDED TO COMPLY WITH STATE/PROVINCIAL LAWS AND REQUIREMENTS.

### **Barton Medical Corporation**

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