

Barton Convertible

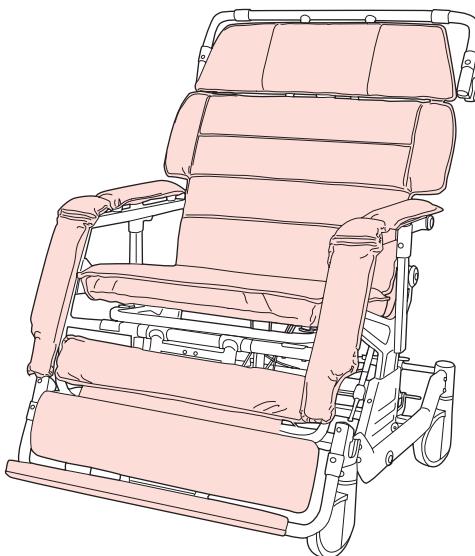
I-330 / I-660

(b1052-TS-GEL / b1062-TS-GEL)

Owner Operation Manual

(with Warranty) Rev.C

- **This Operation Manual provides important instructions for the safe use of Barton Convertible I330/I-660 chairs. Please read this manual carefully and use Convertible I330/I-660 chairs only after you have developed a full understanding about their 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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WARNING

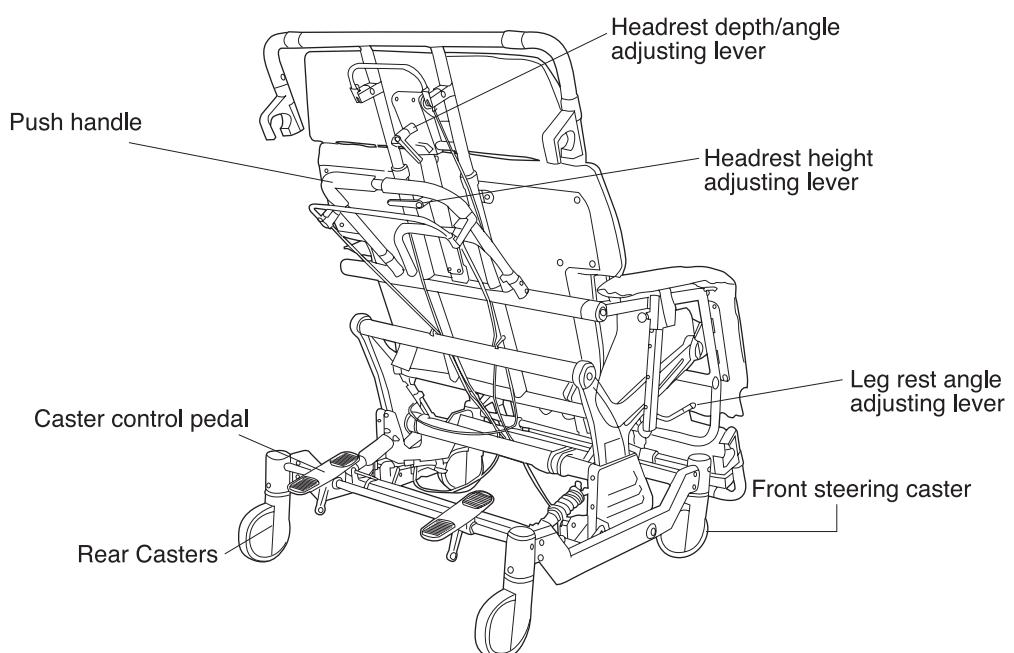
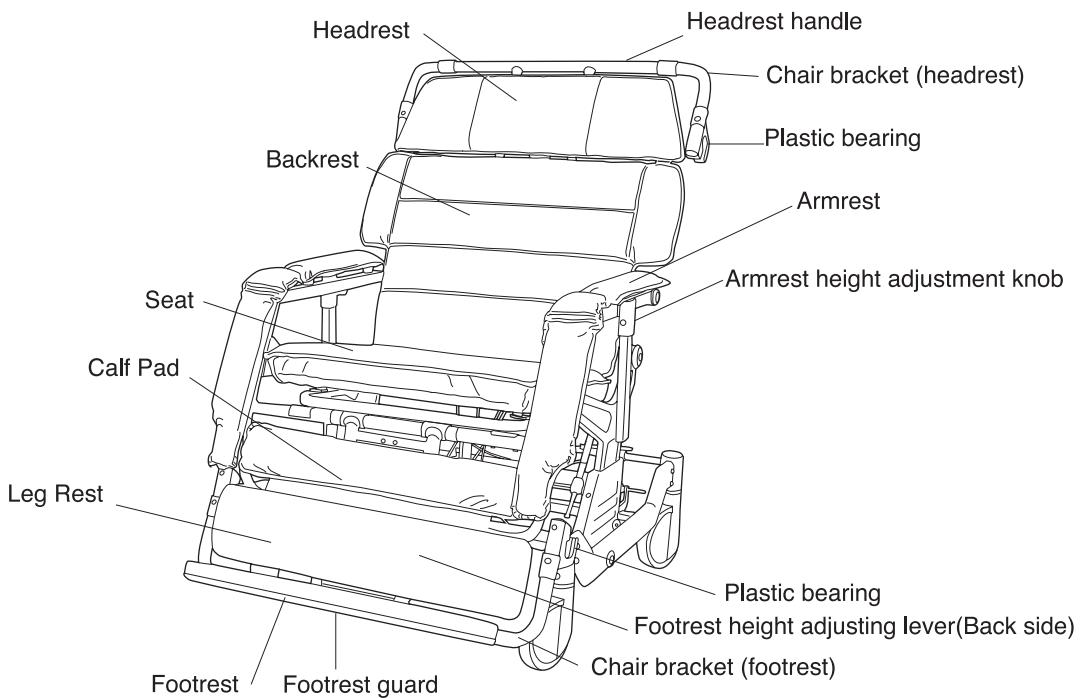
Do not operate this equipment without first reading and understanding this manual. If you are unable to understand the warnings, cautions, and instructions, contact a healthcare professional, dealer, or technical personnel, if applicable, before attempting to use this equipment. Otherwise injury or damage may result.

SAVE THESE INSTRUCTIONS.

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1 Part names



2 Safety notes

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 healthcare 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-330 is 330 lb.

The maximum occupant weight for the Convertible I-660 is 660 lb.

People who weigh more cannot use these models.

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

When in doubt, ensure that additional attendants are present.

Before using the Convertible, verify that:

1. All casters work properly (4-caster lock, 4-caster free, steering lock).
2. The equipment reclines smoothly and stops in any desired position.
3. The height and angle of the footrest and the height, angle, and depth of the headrest can be adjusted properly.
4. The side rails can be locked and released reliably.
5. The equipment tilt smoothly and stops in any desired position.
6. All height adjustment screws are securely tightened.

Safety notes (continued)

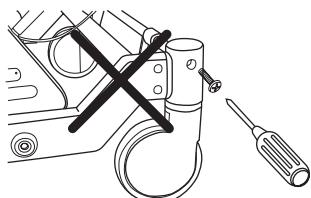


WARNING

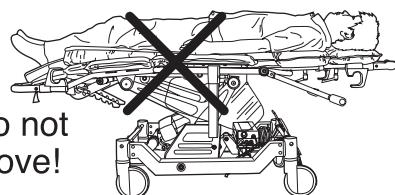
Please heed the following warning. Failure to observe them can lead to an accident and can seriously injure the patient.

Warnings

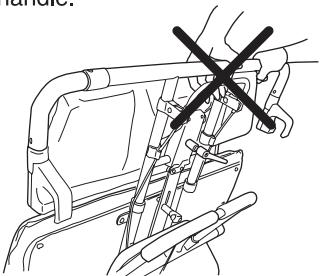
- After any adjustment, repair, or service and before use, ensure that all attaching hardware is tightened securely.



- 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.

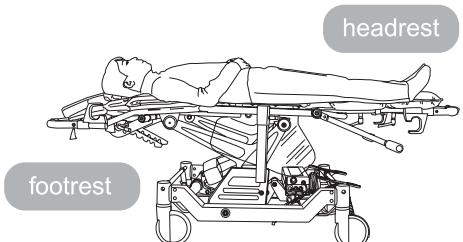


- To maintain maximum stability when reclining / inclining the Convertible, position the patient with arms and legs inside the chair and clear of moving parts.

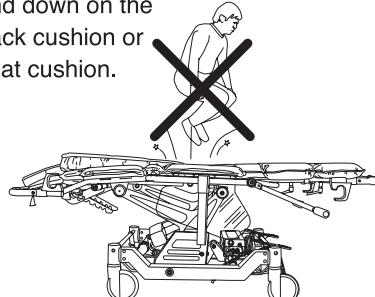


Inside
Raised armrest

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



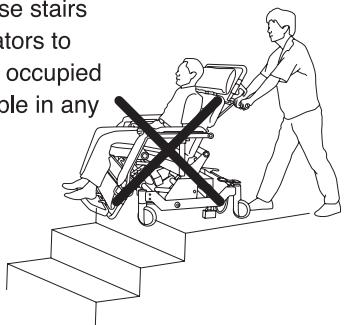
- Do not jump up and down on the back cushion or seat cushion.



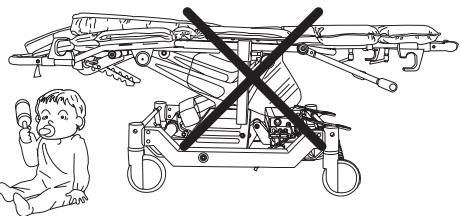
Safety notes (continued)

Warnings

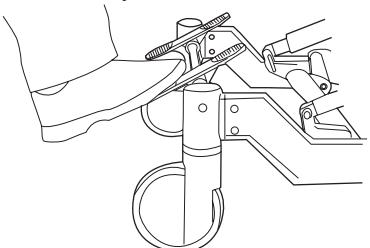
- Do not use stairs or escalators to move an occupied Convertible in any position.



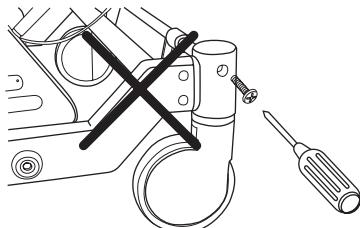
- Ensure that all persons and objects are clear of the Convertible when you recline/incline the equipment.



- Take special care to lock the casters securely.



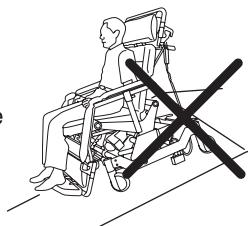
- Never disassemble or remodel the Convertible.



- 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 or slope greater than 9°. Never park the Convertible on a slope. Never leave an occupied chair unattended.



- The maximum occupant weight for the I-330 is 330 lb.
The maximum occupant weight for the I-660 is 660 lb.
People who weigh more cannot use these models.

- Do not attempt to lift the Convertible I-330/I-660 chairs by holding the leg rest assembly.

- 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.

Safety notes (continued)

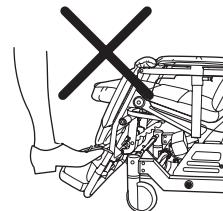
Cautions

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

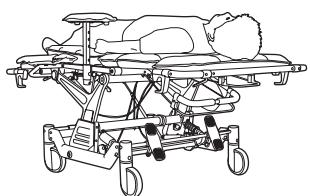
- Do not attempt to use the caster locks to stop the Convertible in motion. These locks are not designed to be braking devices.



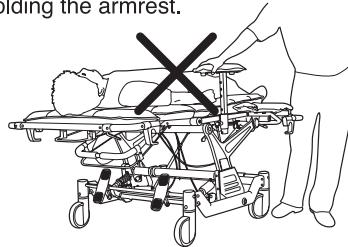
- Do not use the footrest as a step when you sit on or get off of the Convertible.



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



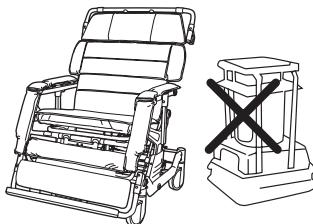
- Do not attempt to move the Convertible by holding the armrest.



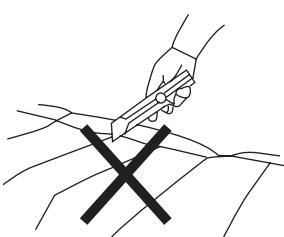
- The Convertible is designed for a single occupant. Never allow two or more people nor place any other heavy object on it.



- 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-330/I-660 is not designed as a weight training or rehabilitation apparatus. Never use it for such purposes.

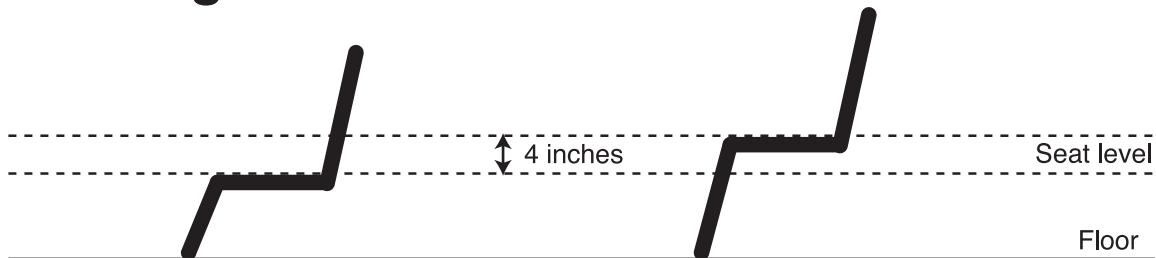
- Do not use a Convertible with any missing or abnormal part.

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

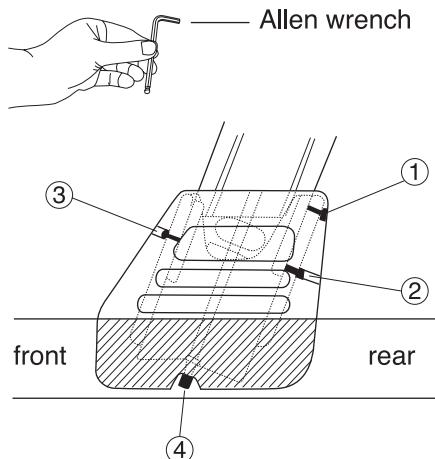
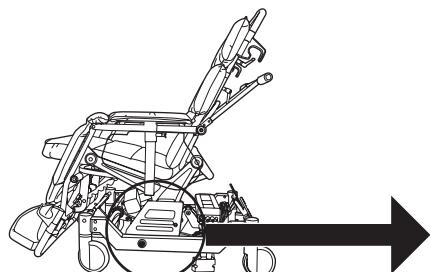
3. Making adjustments

Seat height adjustments

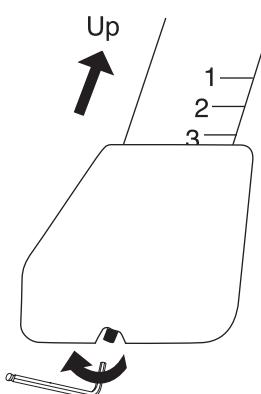
◆ **Seat height is adjustable within 4 inches range**



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 1/2" increments.
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.

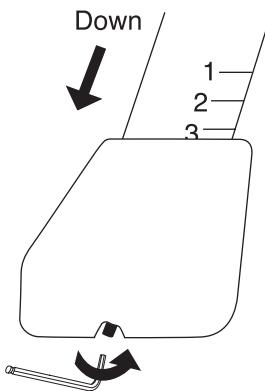


CAUTION

Do not set height above 4 inch mark.

Making adjustments (continued)

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 1/2" increments.
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-330/I-660 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.

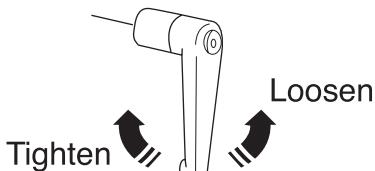


CAUTION

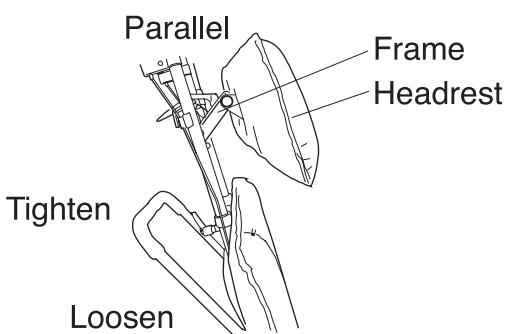
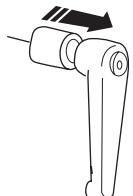
Do not change the lever position in a loosened state.

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

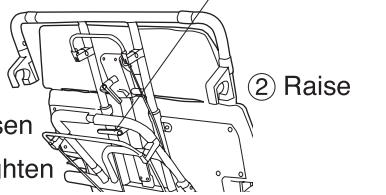
Hold the headrest handle with one hand.

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.

- ① Loosen
- ③ Tighten

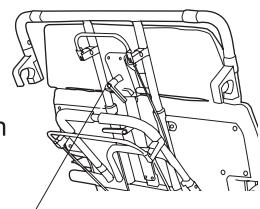


◆ Depth and angle adjustment

Loosen the lever

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

- ① Loosen
- ② Push out



Depth/Angle adjustment

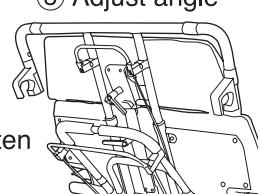
Position both the depth and angle of the headrest assembly while the adjusting lever is in its loose position.

Headrest depth/angle adjusting lever

Tighten the lever

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

- ③ Adjust angle
- ④ Tighten



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.

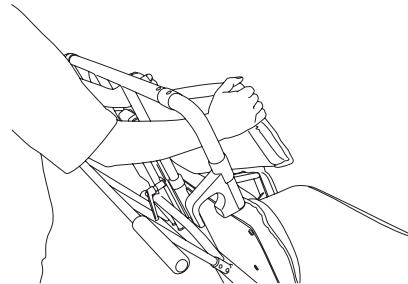
Making adjustments (continued)

◆ 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

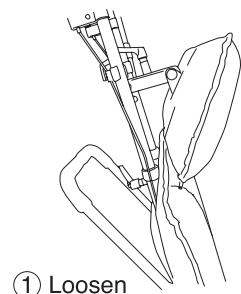
When moving the headrest back to the home position, ensure that nothing comes between the headrest and the chair frame. Otherwise an injury or accident may occur.

◆ 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.



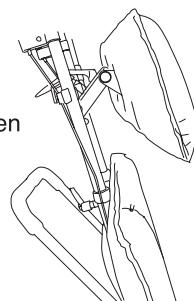
Depth/Angle adjustment back to original position

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

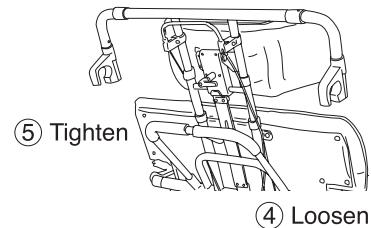
Lowering the headrest

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

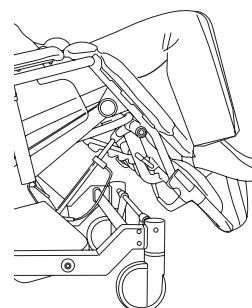
Positioning the footrest for use

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

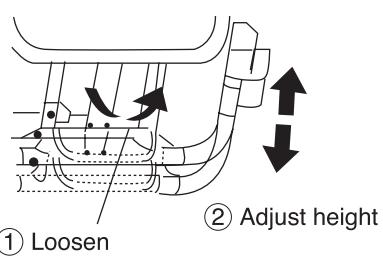
When raising and lowering

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.



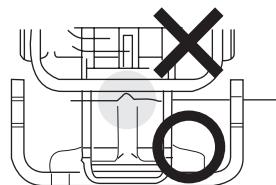
Making adjustments (continued)

◆ 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

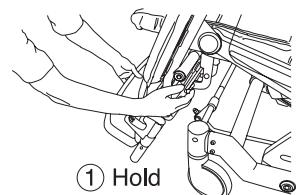
◆ Adjusting the angle of the leg rest

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.

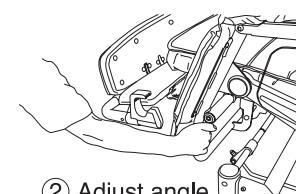
Release the leg rest angle adjusting lever when the leg rest reaches the desired position.



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.



WARNING

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



CAUTION

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

4 Operating the Convertible I-330/I-660

Casters

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

◆ Central Lock

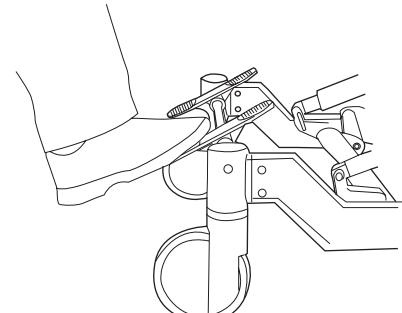
Function 1 4-caster lock function

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.



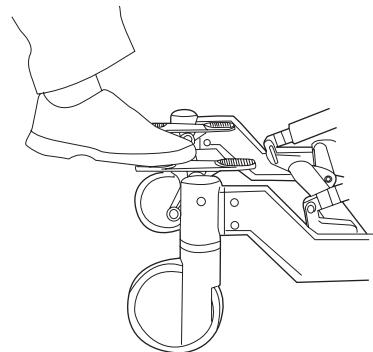
CAUTION

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.

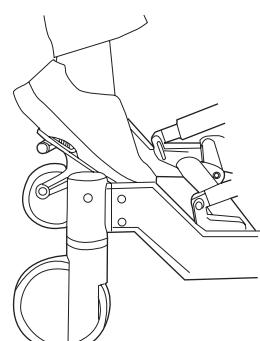


CAUTION

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.



4 Operating the Convertible I-330/I-660

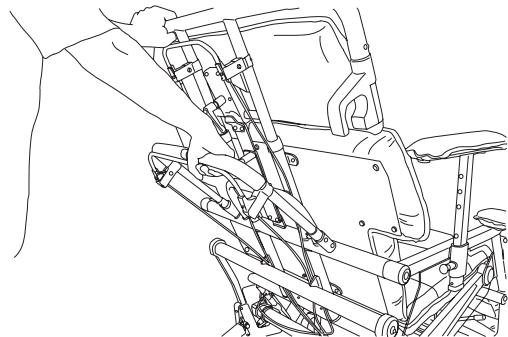
Tilting operation (tilting down)

1. Hold the headrest handle with one hand and squeeze the tilting lever and push handle together with other. Push both slowly downward.



WARNING

Always use both hands when pushing downward.

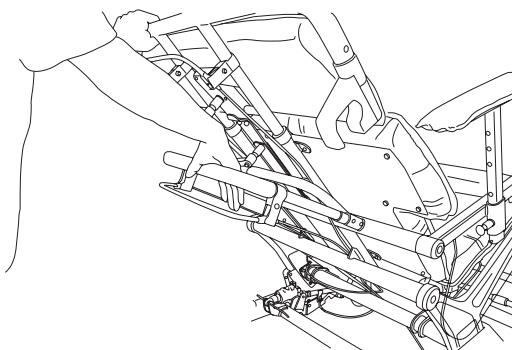


2. Release the tilting lever when the tilting reaches the desired angle.



CAUTION

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



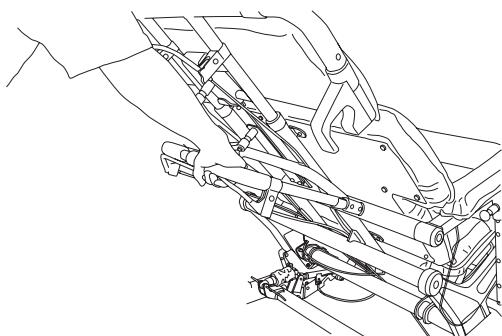
Tilting operation (tilting up)

1. Hold the headrest handle with one hand and squeeze the tilting lever and push handle together with other. Lift slowly upward.



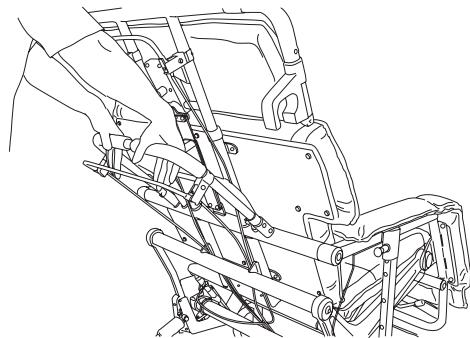
WARNING

Always use both hands when lifting.



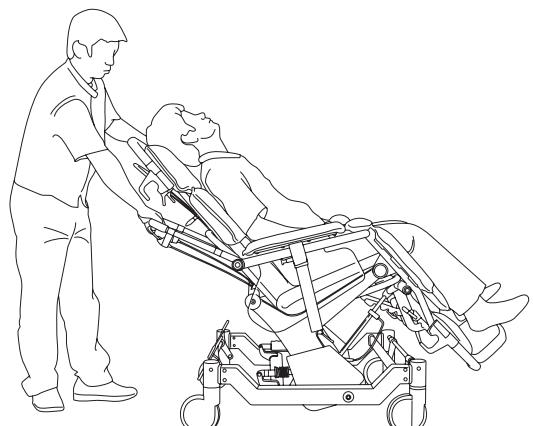
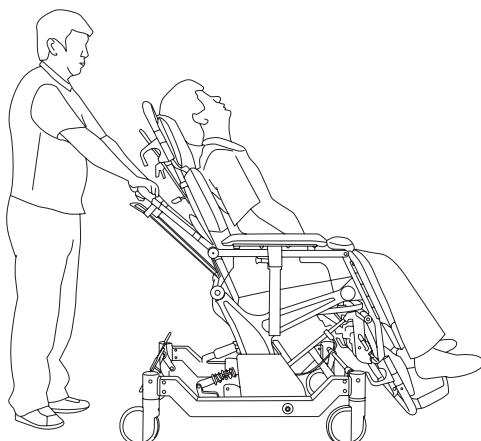
Operating the Convertible I-330/I-660(continued)

2. Release the tilting lever when the tilting reaches the desired angle.



CAUTION

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



Operating the Convertible I-330/I-660 (continued)

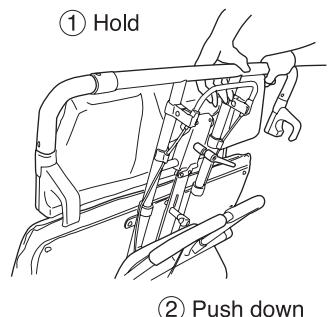
◆ Changing from sitting to prone position

1. Hold the headrest handle with one hand and squeeze the reclining lever and headrest handle together with the other. Push both slowly downward.



WARNING

Always use both hands when pushing downward.

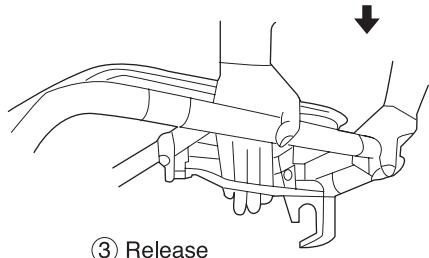


2. Release the reclining lever when the back reaches the desired angle.



CAUTION

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



◆ Changing from prone to sitting position

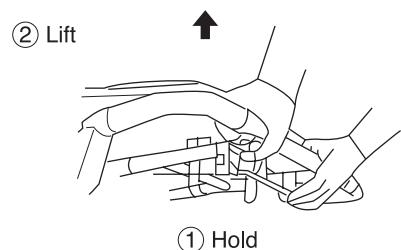
※ This reverses the procedure for changing from sitting to prone position.

1. Hold the headrest handle with one hand and squeeze the reclining lever and headrest handle together with the other. Lift slowly upward.



WARNING

Always use both hands when lifting.

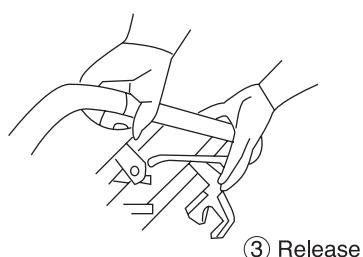


2. Release the reclining lever when the back reaches the desired angle.



CAUTION

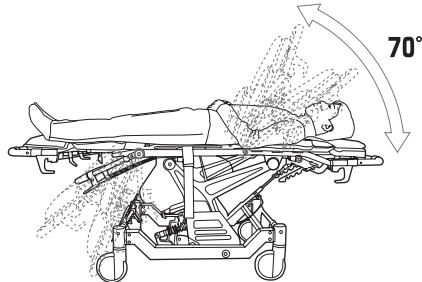
Do not snap the lever; snapping may lead to mechanical problems.



Operating the Convertible I-330/I-660 (continued)

◆ Changing from prone to sitting position

3. Back adjustment angles can range between the prone position and 70 degrees.



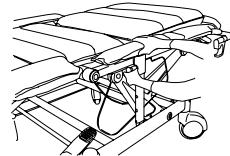
Armrests

◆ How to use the armrests as siderails

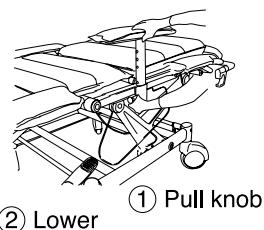
Raising the armrests

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 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.



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-330/I-660 (continued)

Chair brackets

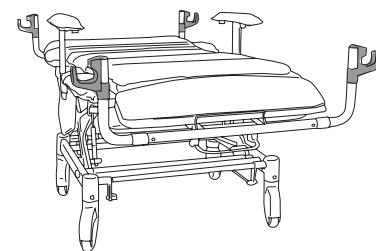
◆ Notes on chair brackets

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.



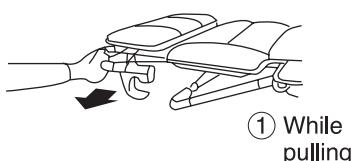
CAUTION

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

◆ Use of chair brackets

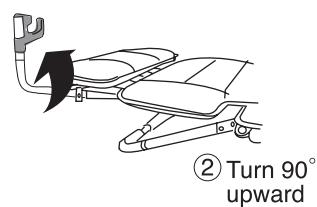
Bringing alongside the bed

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



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.



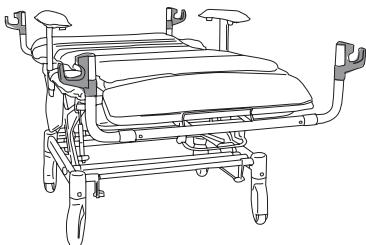
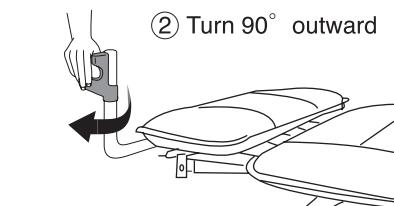
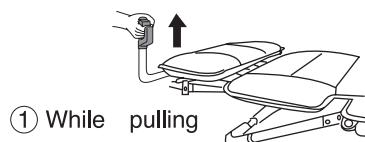
Operating the Convertible I-330/I-660 (continued)

◆ Use of chair brackets

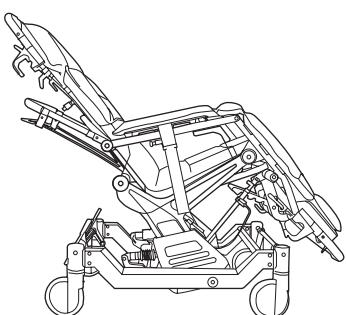
Setting chair brackets for patient transfer(continued)

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.

5 Troubleshooting the Convertible I-330/I-660

◆ Trouble? First make these checks.

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

Trouble	Check	Correction	Page
Does not move	Caster lock	Release caster lock.	16
Does not go straight	Position of caster control pedal	Use the steering lock function of casters.	16
Headrest not locked	Lever position	Correct lever position.	12-14
Angle of leg rest not adjusted	Lever position	Correct lever position.	15

6 Maintaining the Convertible I-330/I-660

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-330/I-660

To clean the Convertible, use mild soap and water or a nonabrasive anti-microbial cleanser. First, wet a cloth and wring it dry. Then gently wipe off the chair.



CAUTION

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.

7 Specifications

Product name		BARTON Patient Transfer System
Model:		I-330 I-660
Maximum occupant weight:		330 lb 660 lb
Materials	Overall length (max)	Fully reclined with headrest and footrest fully extended: 84 in
	Overall length (min)	Fully reclined with headrest and footrest not extended: 74 in
	Overall height (max)	Fully upright at highest headrest position: 61 in
		Fully reclined: 31.25 in
	Overall height (min)	Fully upright at lowest headrest position: 52 in
		Fully reclined: 27.25 in
	Overall depth	Fully upright with footrest down: 47.5 in
	Overall width	29.5 in 35 in
	Seat width	23 in 27 in
	Seat depth	21 in 21 in
	Net weight	191 lb 206 lb
	Shipping weight	215 lb 235 lb
	Back angle	0° to 70°
	Tilting angle	0° to 17°
	Headrest adjustable height	0 to 5 in
	Footrest adjustable height	0 to 5 in
	Caster	6 in diameter
	Frame	Steel tubing, aluminum
	Cushion	Nylon fabric with a blended neoprene/butyl rubber coating (antibacterial) Urethane foam inside

8 Warranty and service

About the product warranty

- 1 The warranty on this product appears at the end of this manual. After entering the necessary information, your dealer should hand it to you. Please read the warranty information carefully and save it for future use.
- 2 The warranty period is three years from the day of purchase for the frame and one year for wear items and other materials. For inquiries about repairs within the warranty period or after-sale service, please contact your dealer or Barton Medical. For repair, you need to provide the following information:
 - Your name, phone number, and address
 - Product name and the date of purchase (see the warranty)
 - Detailed description of trouble or abnormality
- 3 For repair after the warranty period, please contact your dealer or Barton Medical for information. If it is determined that a repair can restore the product to normalcy, will be carried out for regular payment at your request.

Warranty

<Customer> Name: Address: Phone No.	<Dealership> Name: Address: Phone No.
<Warranty Period> One Year from date of purchase ()	Seal: Serial No. (on back of seat)

◆ This warranty promises repair based on the following rules.

1. When any malfunction has arisen during the warranty period, ask your dealership for repair by returning the product along with this warranty. The warranty is void, however, if any entry in it (date of purchase, name of your dealership, etc) is missing. Therefore, be sure to check the entries when you have purchased your equipment.
2. When you cannot ask your dealership for repair because you have changed your address or the product was a present to you, inquire about after-sale service.

This warranty will not be reissued, so store it in a safe place.



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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