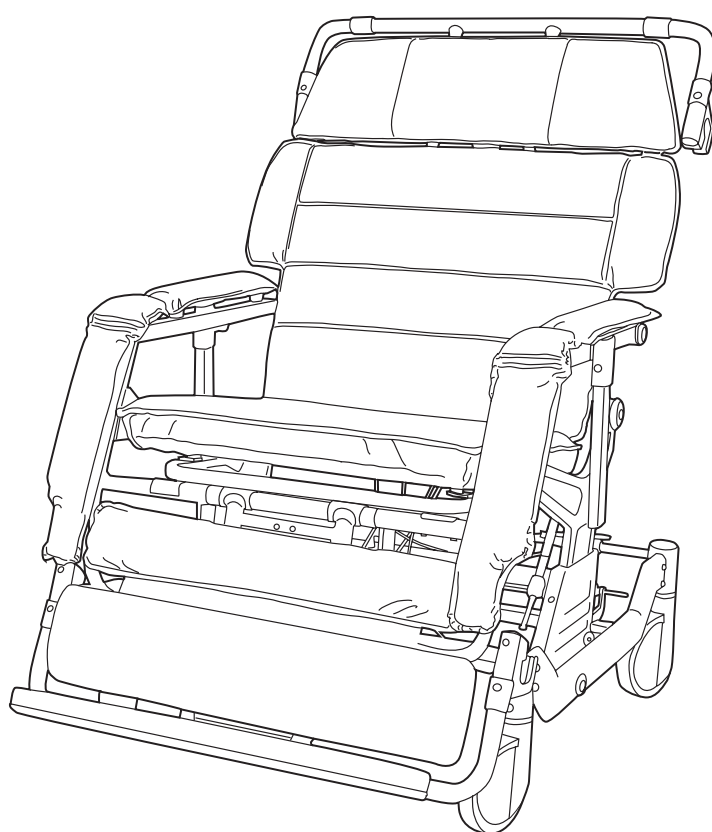




HUMAN CARE

Your Life. Your Way.



Service Manual

Barton I Series Convertible Chair

I-400 Model no. B1041-TS-GEL

I-700 Model no. B1071-TS-GEL



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Care and Maintenance

⚠ Refer to the product user manual 99601 for complete care instructions. Gloves and protective clothing should always be worn when carrying out cleaning procedures in accordance with facility guidelines.

This product should always be cleaned regularly, prior to usage by a new patient, and when used by a patient known or suspected of having an infection.

Required Tools

The following tools may be required to perform service outlined in this guide:



Metric Allen Wrench Set



Adjustable Wrench



Metric Open-End Wrench Set



Slotted Screwdriver



Phillips Screwdriver



Loctite 638



Light Mineral Based Grease

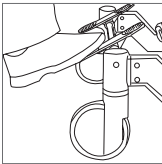


FDA approved lubricant

⚠ Service must only be performed by authorized and trained personnel.

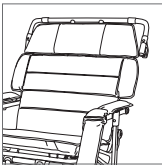
Service Checklist

The following components must be checked:



Casters

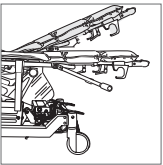
1. Caster operation
2. Caster pedal clearance
3. Pedal linkages
4. Visual check
5. Replacement and Adjustment



Frame

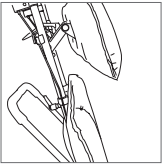
1. Lever operation
2. Armrest operation
3. Footrest operation
4. Chair brackets
5. Visual check

Service Checklist (continued)



Mechanical

1. Mechanical locking cylinder
2. Securing hardware and components
3. Visual check



Cushions

1. Replacement and Adjustment
2. Securing hardware and components
3. Visual check



PTS System (if applicable)

1. Transfer bar
2. Securing hardware and components
3. Visual check

Maintenance Checklist

Records should be kept of all maintance and service checks performed on the unit.

Daily Checks	Monthly Checks	Annual Checks
Caster operation	Inspection Checklist	Locking cylinder
Hardware secure		Review daily checks
Cushions secure		Review monthly checks
Visual check		
Cleaning		

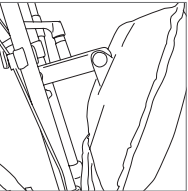
Maintenance Parts

Use only Human Care parts for maintenance and service of this product. This guide includes a list of available parts (see: Replacement Parts). Whenever a recommended replacement is indicated, refer to this list.

Cushions

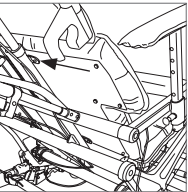
1. Replacement and Adjustment

Ensure that all cushions are operating as intended and are not damaged or missing components. Replace if necessary.



Head and Body Cushion Adjustment

Ensure that the levers for the head cushion are functioning to allow for height, depth and angle adjustment. Ensure that the cushions are secure and undamaged and that the spacers are present on the back frame where the cushion rests.



Head and Body Cushion Replacement

Both the head and body cushions are affixed to the frame with screws. From the rear of the cushion, untighten the screws to remove.



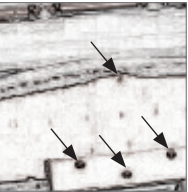
Footrest Adjustment

The footrest is comprised of two pieces, one of which lays on the other unless the footrest is extended. The lower cushion may be replaced if damaged.



Footrest Replacement

In order to replace a damaged footrest cushion, you must first pry loose the black plastic top plate with a flat edge screwdriver. Set the top plate aside to be re-used and remove the five black fasteners.



Once the black top plate is removed, you will have access to the screws securing the cushion. Remove five screws surrounding the perimeter of the cushion, followed by the three screws securing the footrest to the bottom plate. Once all screws are removed, the footrest is released and can be replaced.

2. Securing hardware and components

Ensure that spacers are present and undamaged on the front cushion. Check all screws to ensure that they are holding the cushions firmly in place. If the screws rotate when tested, they must be replaced. Take extra care not to strip and screws.

3. Visual check

Visually check the cushions for tears or damage. Clean or replace as necessary.

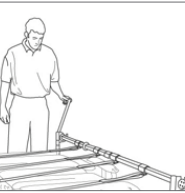
PTS System



There are two versions of the PTS system for the I-400 (one for home care use and one for hospital use) and one for the I-700. Take care to use the correct PTS system for each chair.

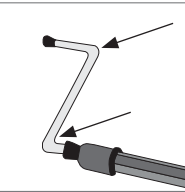
1. Transfer Bar

If the chair is equipped with a Patient Transfer System, the system must be checked.



Crank Handle

Check the crank handle for any damage and confirm functionality. The handle should turn freely.

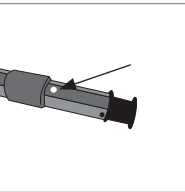


Lubrication Points

Lubricate the crank handle joints with an FDA approved grease. Lubricate the “O” ring (located in the plastic piece at the end of the transfer bar that rests in the bracket).

2. Securing hardware and components

Ensure that all screws are present and secure in the transfer bar.



Locking Button

The transfer bar features a silver locking button that must be checked to ensure it is secure and operating correctly. The lock button ensures that the transfer bar remains in the correct length when adjusted.

3. Visual check

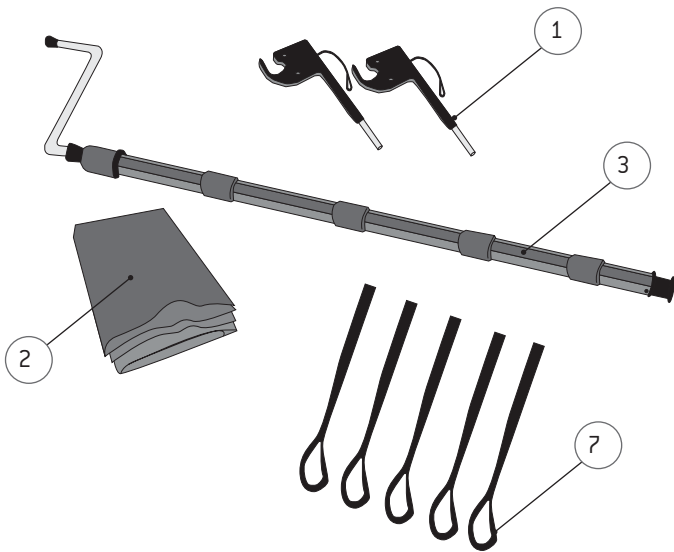
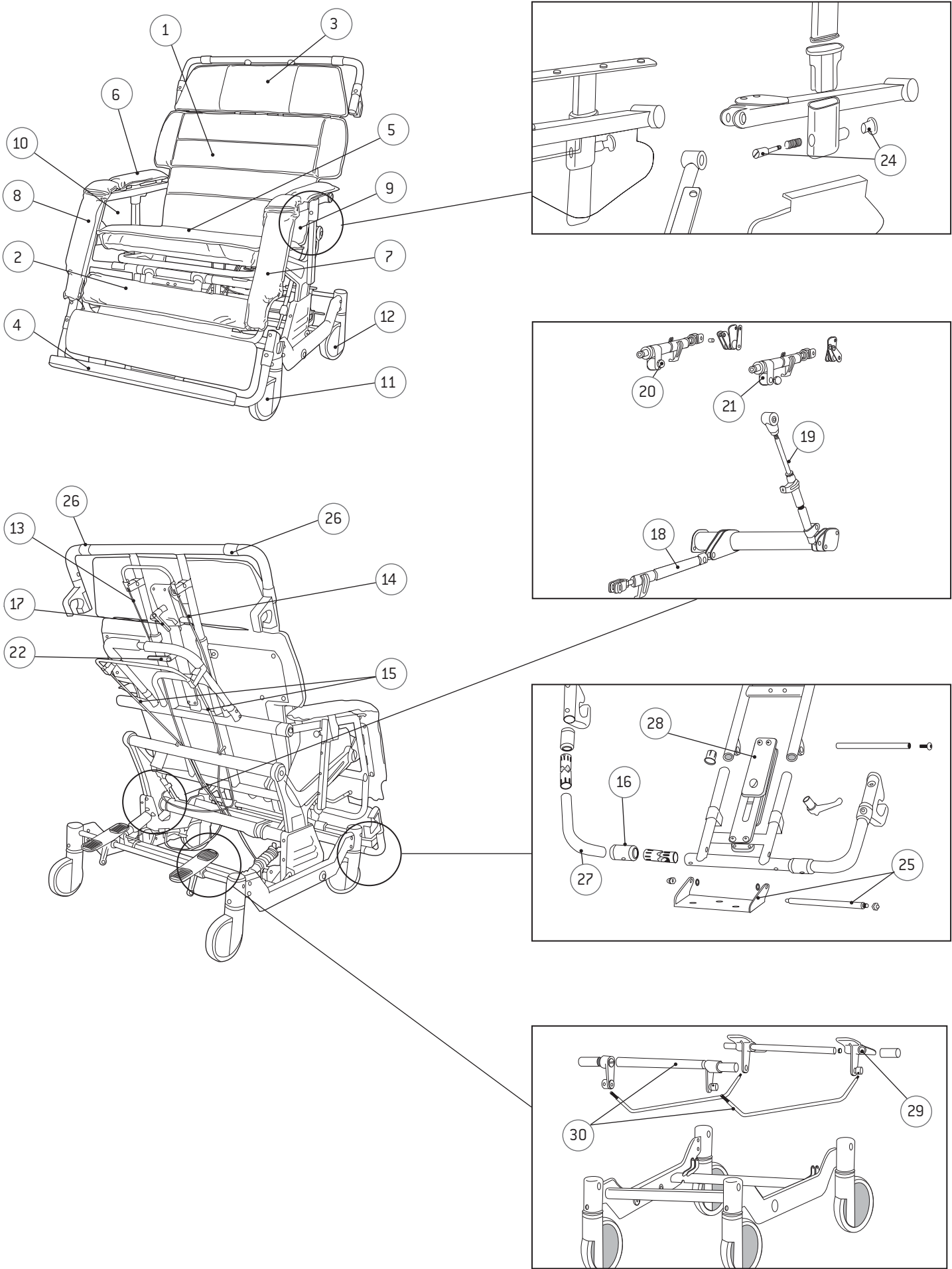
Visually check the transfer bar for damage or loose screws. Check the transfer bar straps and the transfer sheets to ensure that they are not frayed or damaged in any way. Do not use if any components are damaged or missing before replacing parts.

Inspection Checklist

Final Inspeccion and Test Check Record					Prepared by
Model		I-400	Serial Number		
		I-700			
Date			Location		Additional Comments
Casters				Good	Unacceptable
Checked for caster lock function					
Checked for caster free function					
Checked two front casters swivel locked at 0° and 180°					
Checked clearance between foot pedal and cross rail					
Checked brake pedal linkages					
Firm and secure fitting					
Damage to casters or caster mounting					
Frame					
Checked for weld defects					
Checked for bent/damaged components					
Checked side screens					
Locking Cylinders					
Brass fitting secure					
Clearance 2mm to 6mm					
Release lever free to move					
Linkage head operation					
Head of release linkage is secure					
Upper and Lower Bracket Arms					
Checked for security					
Checked rotation in both axis and all positions					
Safety Arms					
Checked safety arms for freedom of movement					
Checked locking knob engages in each position					
Checked that end stop screw is present and secure					
Cushions					
Checked that all cushions are secure and undamaged					
Checked that all spacers are present on the seat cushion					
Checked the head cushion locking handle security and operation					
Checked the head cushion height adjuster security and operation					
Checked that all the buffers are present					
Checked that all footrest retention buttons are present and secure					
Checked the footrest cushion					

Replacement Parts

Part No.		Description	Unit of Measure
Cushions			
1	t4002-117 t4007-117	Back Cushion, I-400 Back Cushion, I-700	EA
2	t4004-117 t4008-117	Calf Cushion, I-400 Calf Cushion, I-700	EA
3	t4006-117 t4010-117	Head w/Support, I-400 Head w/Support, I-700	EA
4	t4042-117 t4043-117	Footrest Assembly, I-400 Footrest Assembly, I-700	EA
5	t4055-117 t4311-117	Seat Cushion, I-400 Seat Cushion, I-700	EA
6	t4506-117	Armrest, Upper	EA
7	t4507-117	Armrest, Lower, Left	EA
8	t4508-117	Armrest, Lower, Right	EA
Casters and Side Shields			
9	t4510	Side Shield - Left	EA
10	t4509	Side Shield - Right	EA
11	I-b10x2-8049	Front Caster - 3 Position	EA
12	I-b10x2-8050	Rear Caster - 2 Position	EA
Parts			
13	T4088	Cable Assembly, Left - Recline	EA
14	T4089	Cable Assembly, Right - Recline	EA
15	T4093	Cable Assembly, Right - Tilt	EA
16	tb501a	Bracket Assembly, Rotation	EA
17	T4512	Plastic Headrest Handle	EA
18	I-b10n2-8041	Locking Cylinder - Right	EA
19	I-b10n2-8043	Locking Cylinder - Left	EA
20	I-b10n2-8044	Locking Cylinder Tilt - Right	EA
21	I-b10n2-8045	Locking Cylinder Tilt - Left	EA
22	tn7005	Plastic Handle - Adj. Head/Foot	EA
23	b1109-1	Belt, Quick Release	EA
24	T4097	Plunger, Index Armrest	EA
25	TN8010	Rod Attachment, Footrest	EA
26	T4037	Guard, Chair Bracket	EA
27	T4502	Bracket Arm, Rotation, Lower	EA
28	TN8005	Rail Slide, Head/Footrest	EA
29	TN8020	Brake Pedal	EA
30	I-b1052-8064 I-b1062-8065	Brake Assembly I400 Brake Assembly I1700	EA



Patient Transfer System I-400

Part No.	Description	Unit of Measure
1	b1028	14" Post Bed, Standard
2	b1031-10	Non-Slip Cover, Sheet
3	b1056	Transfer Bar, Standard
4	b1079	Sheet Clip, Plastic
5	b1080	Plastic Plug, Black
6	b1190	Extruded Bed Clamp Assembly
7	b1073	Transfer Strap, Grey 58"
Complete system : Model no.b2001c (home care use)		

Patient Transfer System I-400

Part No.	Description	Unit of Measure
1	b1048	Bracket Bed
2	b1410	Non-Slip Cover, Sheet
3	b1056	Transfer Bar, Standard
7	b1073	Transfer Strap, Grey 58"
Complete system : Model no. b2011a (hospital use)		

Patient Transfer System I-700

Part No.	Description	Unit of Measure
1	b1048	Bracket Bed
2	b1420	Non-Slip Cover, Sheet
3	b1057	Transfer Bar, I700
7	b1073	Transfer Strap, Grey 58"
Complete system : Model no. b2013a		

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