

USER & WORKSHOP MANUAL FOR THE



LIGHTNING PUSHCHAIR



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Safety Rules:

WARNING: Failure to follow these warnings and assembly instructions could result in serious injury or death.

- ⚠ Immediately discard any plastic wrapping.
- ⚠ Never allow children to fold, assemble, or disassemble the pushchair.
- ⚠ Do not go over the weight capacity for the pushchair. Excessive weight may cause a hazardous, unstable condition if the approved load is exceeded.
- ⚠ Never place child in pushchair with their head forward and feet rearward.
- ⚠ Avoid serious injury from falling or sliding out.
- ⚠ Always use seat belt.
- ⚠ Never leave user unattended.
- ⚠ Never allow pushchair to be used as a toy or allow children to give rides to others.
- ⚠ Never use pushchair if it becomes damaged.
- ⚠ Always be aware of traffic around you when walking.
- ⚠ Always engage brakes when you stop or when you let go of handle.
- ⚠ Accessories or parcels placed in or on the pushchair may cause it to become unstable.
- ⚠ To avoid burns, never put hot liquids in the working tray.
- ⚠ Care must be taken when folding and unfolding the product to prevent finger entrapment.

WARNING – RAINCOVER FOR LIGHTNING PUSHCHAIR

TO AVOID DANGER OF SUFFOCATION, RAINCOVER MUST BE ASSEMBLED WITH OPTIONAL CANOPY AS PER ILLUSTRATION. DO NOT LEAVE USER UNATTENDED AT ANY TIME.

Weight Limitations

The weight specifications were tested and approved in accordance to the below guidelines

LT11/LT11SE – Total Weight Capacity is 86lbs (39.0kg)

- 66lbs (30kgs) on the seat.
- 5lbs (2.3kgs) on left side wheel.
- 5lbs (2.3kgs) on right side wheel.
- 10lbs (4.5kgs) on the lower basket.

LT14/LT14SE – Total Weight Capacity is 120lbs (54.4kg)

- 100lbs (45.5kgs) on the seat.
- 5lbs (2.3kgs) on left side wheel.
- 5lbs (2.3kgs) on right side wheel.
- 10lbs (4.5kgs) on the lower basket.

Pushchair Features

LT11/LT11SE MODEL

Heavy Duty Upholstery
includes moldable 'stays'

**Width
between
Arms 13 1/2"**

**Front Rigging
Swing-Away,
Flip-up**

Adjusts in the areas-
extension, fore
and aft, angle
and lateral

**Seat Depth
Adjustable
10" to 12"**
[15" with
optional kit]

Footrest Extension
from 1" to 12" in 1" increments
standard.

LT14/LT14SE MODEL

Heavy Duty Upholstery
includes moldable 'stays'

**Width
between
Arms 16 1/4"**

**Front Rigging
Swing-Away,
Flip-up**

Adjusts in the areas-
extension, fore
and aft, angle
and lateral

**Seat Depth
Adjustable
12" to 14"**
[15" with
optional kit]

Footrest Extension
from 1" to 17" in 1" increments
standard.



STROLLER IN FOLDED & EXPANDED POSITIONS:



Pushchair Accessories

UPHOLSTERY COLORS:

All accessories are available in two colors.



Navy Blue



Red Glow

 <p>HEADREST EXTENSION Simple Add-On or Remove Design Adds 6" of Height Item #: LT11-BHRE / LT14-BHRE (BLUE) Item #: LT11-RHRE / LT14-RHRE (RED)</p>	 <p>HEADREST Padded, Contoured w/Lateral Wings Item #: LT11-BHR / LT14-BHR (BLUE) Item #: LT11-RHR / LT14-RHR (RED)</p>
 <p>SINGLE FLAP Adjustable Lateral Trunk Support Item #: LT11-BSF / LT14-BSF (BLUE) Item #: LT11-RSF / LT14-RSF (RED)</p>	 <p>DOUBLE FLAP Adjustable Lateral Trunk Support w/Double Pads Item #: LT11-BDF / LT14-BDF (BLUE) Item #: LT11-RDF / LT14-RDF (RED)</p>
 <p>CANOPY Extended Length w/Angle for Increased Protection Viewing Window Item #: LT11-BCB / LT14-BCB (BLUE) Item #: LT11-RCB / LT14-RCB (RED)</p>	 <p>HEEL LOOPS & ANKLE CUFFS Soft, Stretch Fabric For Comfortable, Firm Hold Item #: LT11-BAC / LT14-BAC</p>
 <p>HARNESS COVERS Washable & Easy to Add or Remove Soft, Fleece Covers w/Lateral Wings Item #: LT11-BHC / LT14-BHC Item #: LT11-RHC / LT14-RHC</p>	 <p>WEATHER PROTECTOR w/ Velcro Closures Custom Made for the Lightning Item #: LT11-RC / LT14-RC</p>
 <p>WORK 'N' PLAY TRAY w/Turn-Up or Down Sides Easy to Remove & Position Item #: LT11-WT (11") Item #: LT14-WT (14")</p>	 <p>TRANSPORTATION TIE DOWN KIT Item #: LT-TD</p>

SPECIFICATION CHART

SPECIFICATIONS:	11" Model	14" Model
OVERALL WIDTH	19½" / 495.3mm	24" / 609.6mm
OVERALL LENGTH W/O RIGGINGS	26½" / 673.1mm	29½" / 749.3mm
OVERALL HT/ PUSH HANDLE HEIGHT	36" / 914.4mm	36" / 914.4mm
SEAT WIDTH	11" / 279.4mm	14" / 355.6mm
SPACE BETWEEN ARMS	13½" / 342.9mm	16¼" / 412.75mm
SEAT DEPTH*	10" to *12" 254-304.8mm	12" to *14" 304.8-355.6mm
SEAT TO FLOOR	20" @ 11" DEPTH 508mm @ 279.4mm Depth	21" @ 14" DEPTH 533.4mm @ 355.6mm Depth
SEAT ANGLE	30°	30°
BACK UPHOLSTERY	19¼" / 488.95mm	24" / 609.6mm
SEAT TO FOOTREST [Standard Extension Range in 1" Increments]	1" to 12" 25.4mm to 304.8mm	1" to 17" 25.4mm to 431.8mm
BACK ANGLE SETTINGS	85°, 90° & 95°	85°, 90° & 95°
FOLDED DIMENSIONS	19¼"W X 19¼"D X 25½"H 488.95mm X 488.95mm X 647.7mm	24"W X 19¼"D X 27½"H 609.6mm X 488.95mm X 698.5mm
WEIGHT OF CHAIR [Without Riggings]	22 lbs / 10kg	25 lbs / 11.3kg
WEIGHT CAPACITY	86 lbs / 39kg	120 lbs / 54.4kg
COLOR CHOICES FRAME	SILVER	SILVER
COLOR CHOICES UPHOLSTERY	NAVY BLUE / RED GLOW	NAVY BLUE / RED GLOW
FRONT WHEELS	6" / 152.4mm	6" / 152.4mm
REAR WHEELS	10" / 254mm	10" / 254mm

1.0 Introduction

This Owners Manual will outline the proper method and easy handling of the Lightning Pushchair and gives instructions for the required cleaning and maintenance.

To avoid damage caused by improper handling and to allow optimal use of the Lightning Pushchair, please read the following instructions thoroughly.

If you have further questions or problems, please contact your healthcare provider.

2.0 Contact Company for Any Concerns

For Europe, contact the authorized representative below:

TENDERCARE LIMITED
P.O.BOX 3091 LITTLEHAMPTON, BN16 2WF
UNITED KINGDOM
PH: #44 (0) 1903 726161 FX: #44 (0) 1903 734083

3.0 Intended Use – Recommendations

(Source: Catalogue and index for orthopedic appliances of the health insurance companies, FRG)

Rehab buggies are indicated for the transport of patients with severe disabilities – mainly children and adolescents – who are unable to walk and or to move independently in a wheelchair.

4.0 Declaration of Conformity

Stealth Products declares that this product conforms to the requirements of the 93 / 42 / EEC Guidelines.

5.0 Unpacking and Preparing the Pushchair for Use

The original package contains the following components

- ⇒ Pushchair (folded)
- ⇒ Footrest Riggins (both Left & Right)
- ⇒ Owners Manual
- ⇒ Accessories as Ordered

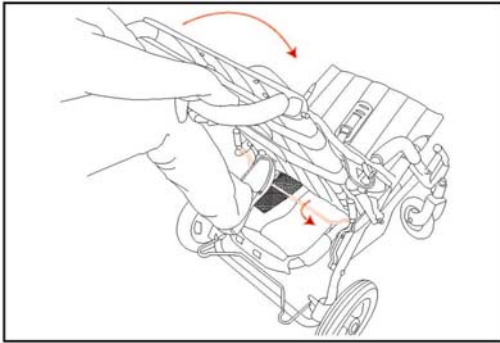
After unpacking and checking you have all components and that they are in good condition, carefully dispose of the packaging at your local recycling centre.

6.0 For Unfolding the Pushchair, proceed to the following instructions:

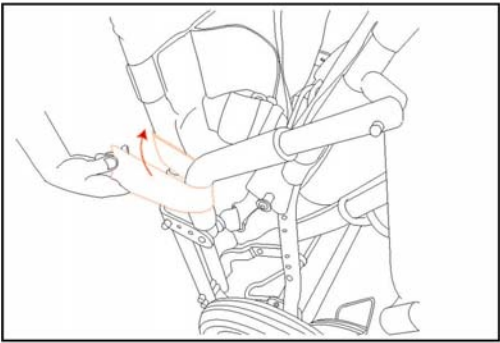
- Remove any transport straps or transport guards
- Grasp the pushchair at the push handles and lift up.
- Lift up enough as to allow the left and right locking mechanism to latch in place.

7.0 Setting Up and Adjusting the Pushchair

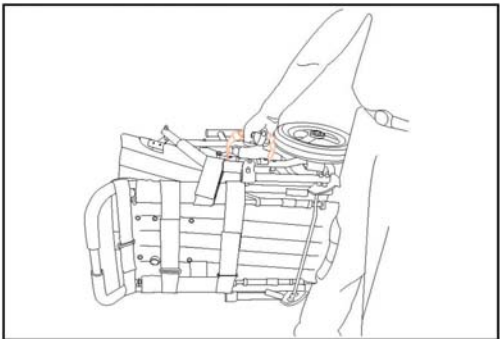
7.1 Folding and Carrying



- Grasp the pushchair handles with both arms, and depress the folding locking mechanism with foot.
- Hold in the down position and push the back forward toward the seat.



- Place the left side of the pushchair on the floor.
- On the right side, maneuver the Velcro strap around the armrest and fastened to the back of the chair.



- With care, pick the pushchair up using the plastic handle.

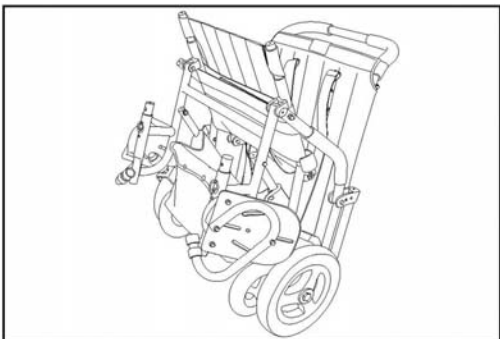
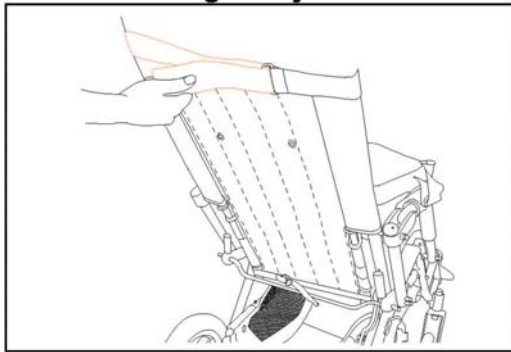


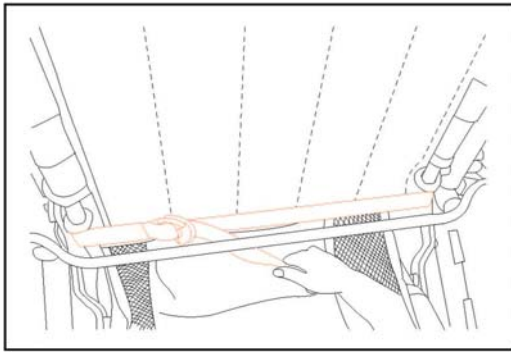
Illustration of the pushchair in its correct folding set-up.

7.2 Seat Back Angle Adjustment

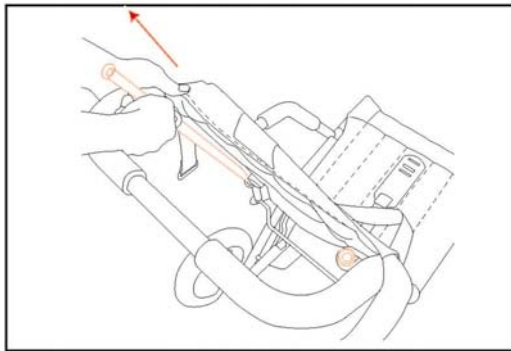


To adjust back angle, you must remove back upholstery

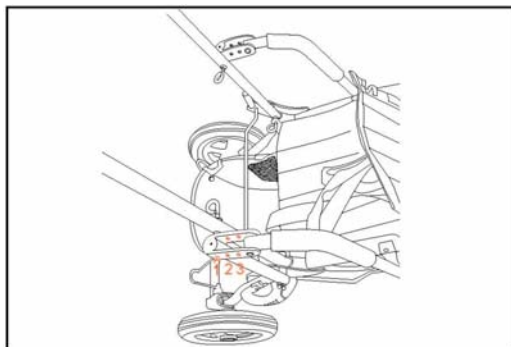
- Remove the top Velcro strap.



- Remove the lower Velcro strap.

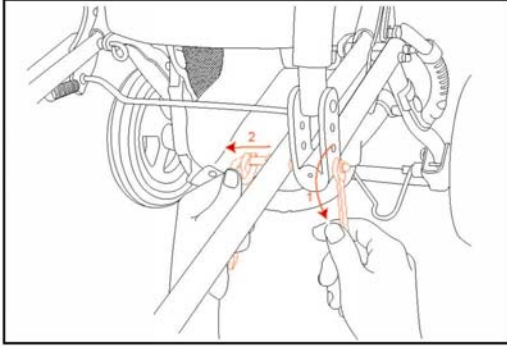


- Remove both left and right side backrest tubes.

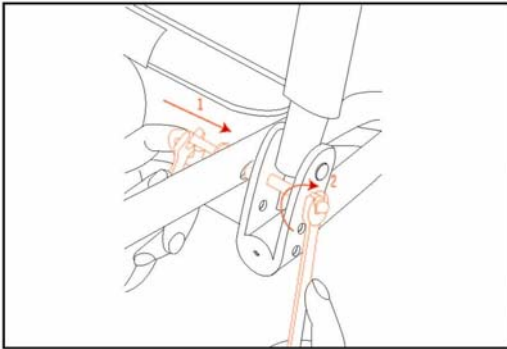


The diagram to the right will show three position adjustments.

- ⇒ Position 1 = 95°
- ⇒ Position 2 = 90°
- ⇒ Position 3 = 85°

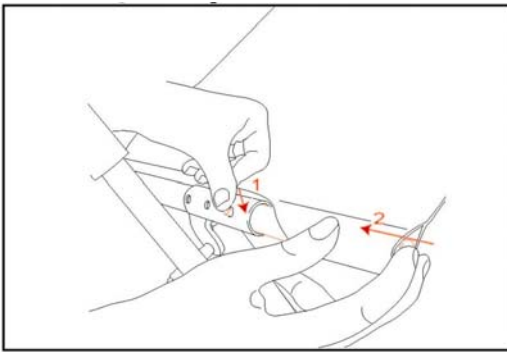


- Using a 10mm wrench, remove the adjustment nut on both sides.



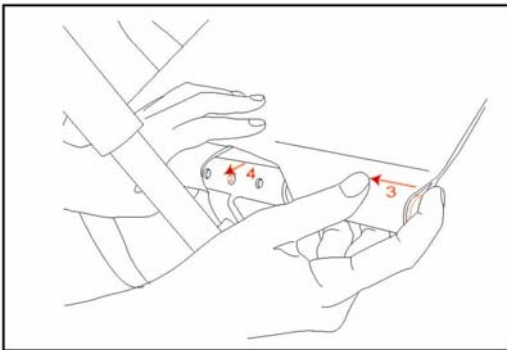
- Move to the desired angle position and fasten the nuts with the 10mm wrench.

7.3 Seat Depth Adjustment

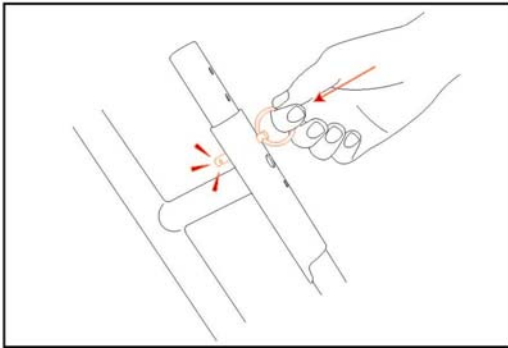


LT14 Adjustment = 12"-14" (304.8-355.6mm)
 LT11 Adjustment = 10"-12" (254-304.8mm)

- Press release button and move For or Aft for desired depth adjustment.

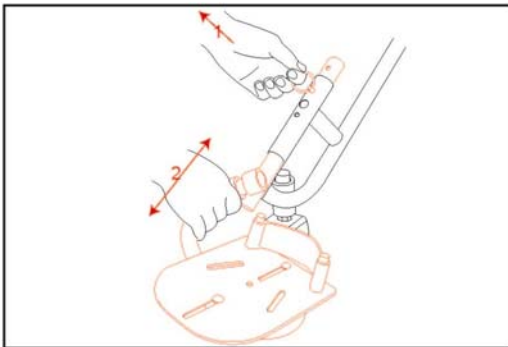


7.4 Footrest Height Adjustment



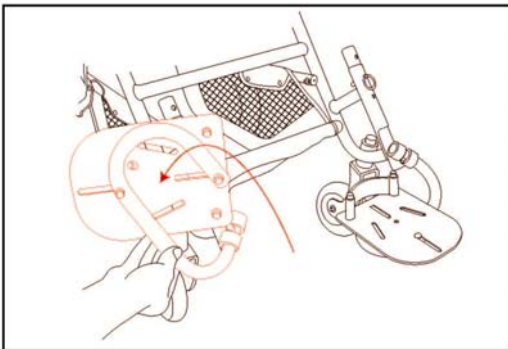
LT14 = 1"-17" (25.4mm to 431.8mm)
LT11 = 1"-12" (25.4mm to 304.8mm)

- Remove the locking pin.



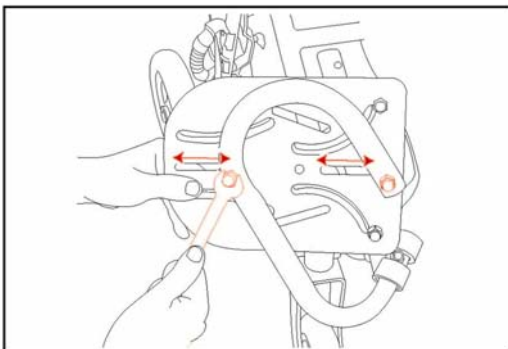
- Move the footrest to the desired height location.
- And replace the locking pin.

7.5 Footplate Adjustments



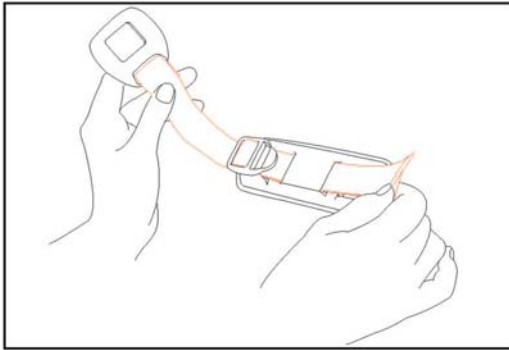
The footrest will swing-away for easy use and adjustment.

- Swing footplate out



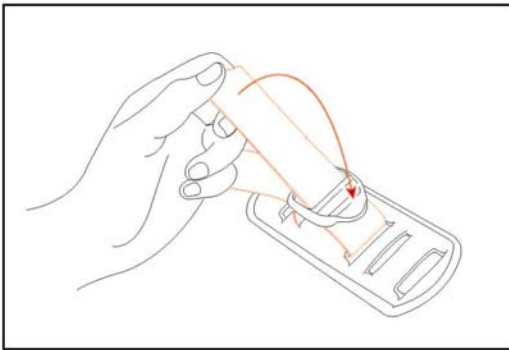
- Using a 10mm wrench, loosen the bolts and move to desired location.
- Once desired location is achieved, fasten both bolts before use.

7.6 Adjusting and Using the Safety Harness

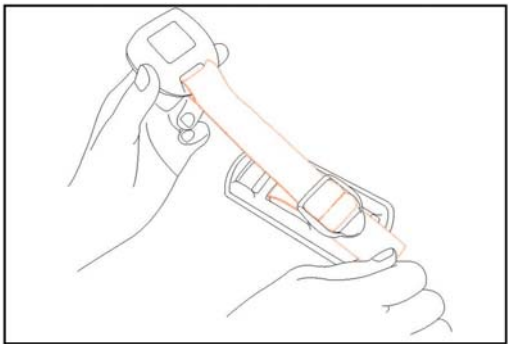


Adjusting the depth on the Crotch Strap

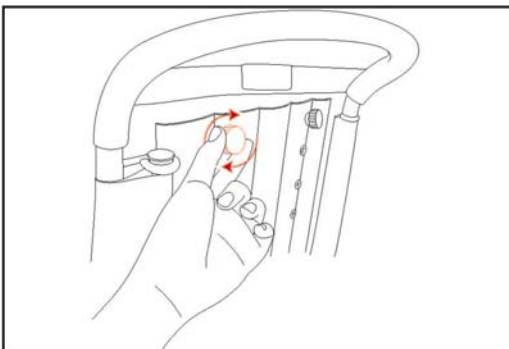
- With the button facing up, guide the strap through the mid section of the holder.



- Then, guide the strap under and over the crotch strap ring.

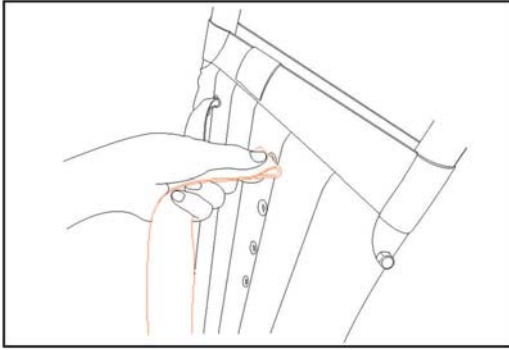


- Finally, adjust the strap to the desired length and tighten the strap down.

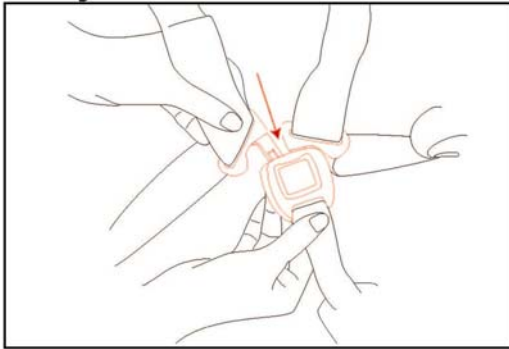


Adjusting the height on the Shoulder Strap

- Remove both hand nuts from the back of the pushchair

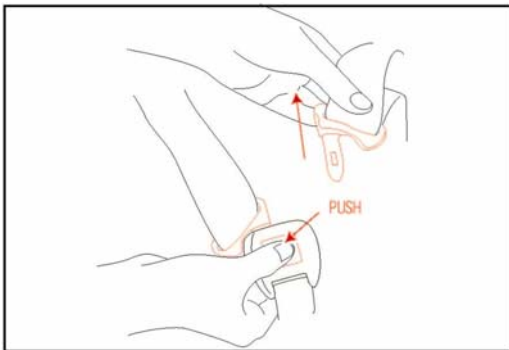


- On the front of the pushchair, remove the top strap pins and placed them where needed.
- Once desired location is met, replace both hand nuts and firmly tighten.



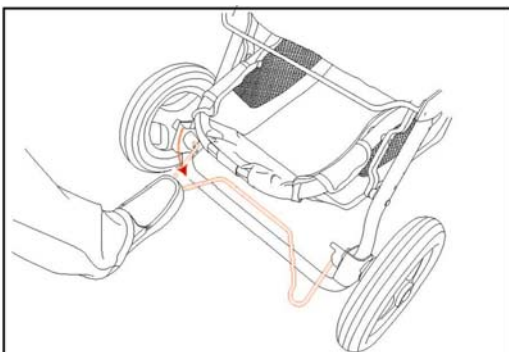
Locking and unlocking the safety harness

- To lock, insert both left and right side harness pins into push button slots.



- To unlock, press the “red” push button and gently pull back.

7.7 Brake System



To engage brake

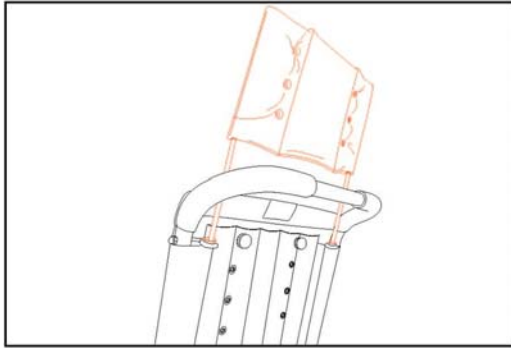
- With your foot press the brake lever down. This will lock both rear wheels

To disengage brake

- With your foot placed under the brake lever, pull the lever up. This will unlock both rear wheels.

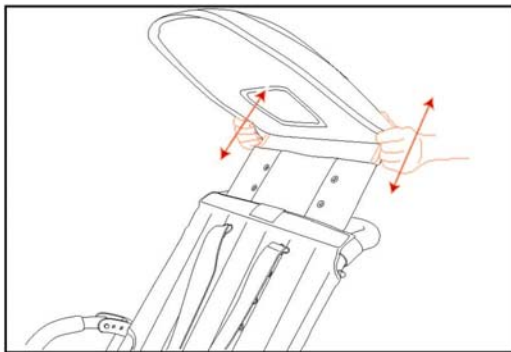
8.0 Installing Accessories

8.1 Headrest Extension



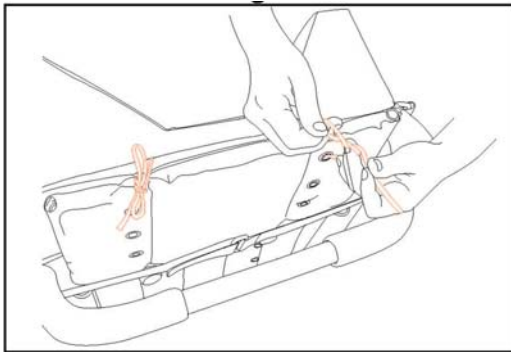
- Insert the headrest extension rods into the backrest accessory tubes

8.2 Canopy



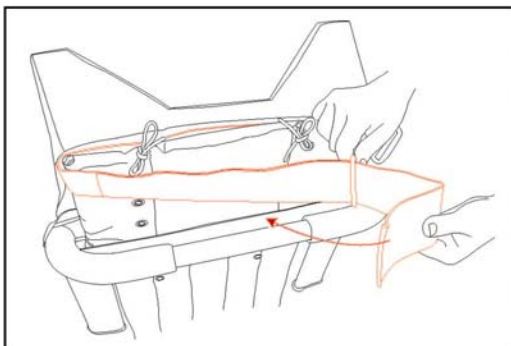
- Insert the canopy into the backrest accessory tubes or (if headrest extension is in place) insert into headrest extension tube.

8.3 Padded Headrest



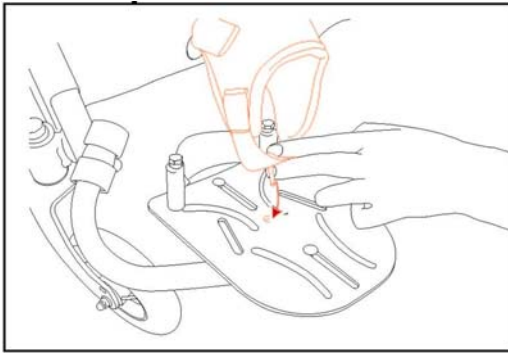
The headrest extension is required for installation of the headrest pad.

- From the headrest, tie the loose strings onto the headrest extension.

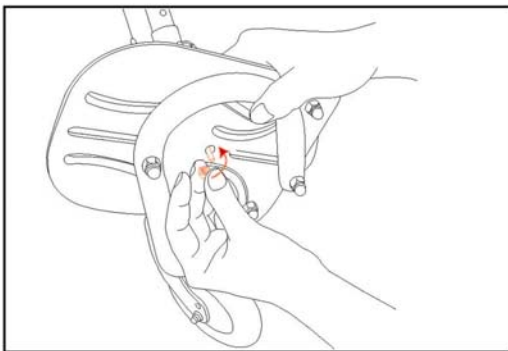


- Guide the Velcro strap through the loop and fastened it to other side of the strap.

8.4 Heel Loop and Ankle Cuffs

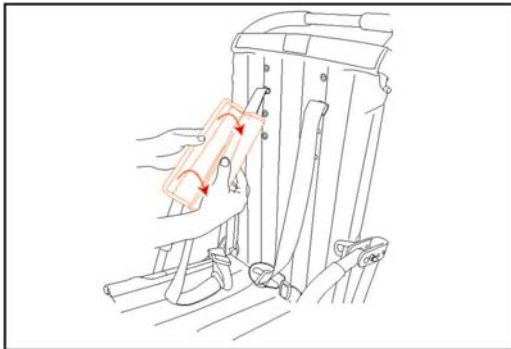


- Guide the screw from the ankle cuff through the top of the footrest



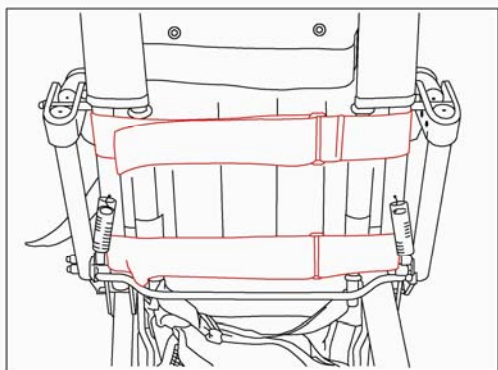
- On the bottom of the footrest, place the washer and fastened the nut.

8.5 Padded Harness Covers

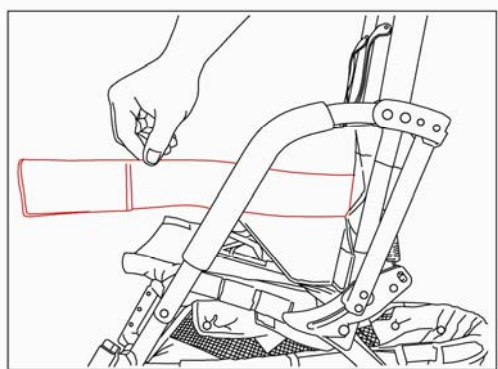


- Wrap cover around the harness straps and fasten one side of the Velcro to the other.

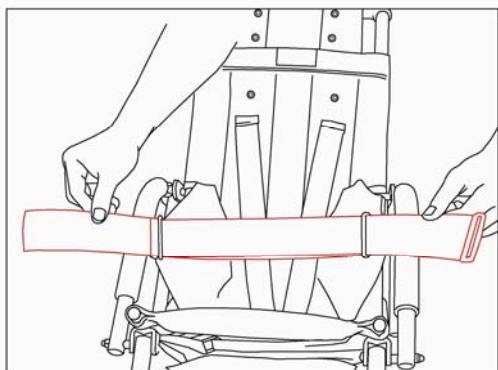
8.6 Trunk Support



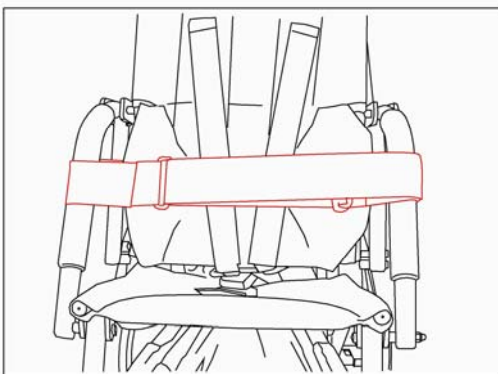
- Place the trunk support on the front of the pushchair and fasten it around the back set using the Velcro straps.



- On both sides, wrap the bottom support flap Velcro straps around the lower armrest tube.



- Using the loose strap, guide it through both top support flap rings.



- Finally, guide the strap through its own ring and wrap around behind the lower supports flaps.

9.0 INSTRUCTIONS FOR TRANSPORTING THE LIGHTNING PUSHCHAIR

The Lightning pushchair can be folded for transport in the luggage area of the vehicle. The Lightning pushchair has been successfully impact tested and meets the requirements specified in ANSI/RESNA WC/Vol.1, Section 19, 5.3., prior to May 2002. It may therefore be used as a vehicle seat.

CAUTION: *When used as a vehicle seat the following instructions must be followed.*

WARNING: ONLY A COMPETENT PERSON SHOULD INSTALL THE TRANSPORTATION DEVICES

9.1 PREPARING LIGHTNING FOR TRANSPORT

- 9.1.1 Check that the child is correctly strapped in the seat using the 5-point harness. Check that the 5-point harness is properly adjusted.
- 9.1.2 During transportation the headrest extension must be fitted.
- 9.1.3 Remove the following if fitted: Work 'n' Play Tray, Rain-hood, Shopping Basket or Sun Canopy

9.2 ATTACH THE SET OF 4 TIE-DOWN KIT BRACKETS

This instruction is specific to the attachment of Tie-Down hardware for the Lightning Pushchair.

WARNING: FAILURE TO ATTACH THE HARDWARE AS DETAILED COULD LEAD TO SERIOUS INJURY OR DEATH.

9.2.1 TOOLS

- 3/16" T-handle Allen.

9.2.2 CONTENTS

- 4 – Tie Down assemblies and each include:
 - 1 – Handle Threaded Clamp (HTC)
 - 1 – Through Clamp (TC)
 - 4 – 1/4-20 x 3/4" Socket Head Cap Screws

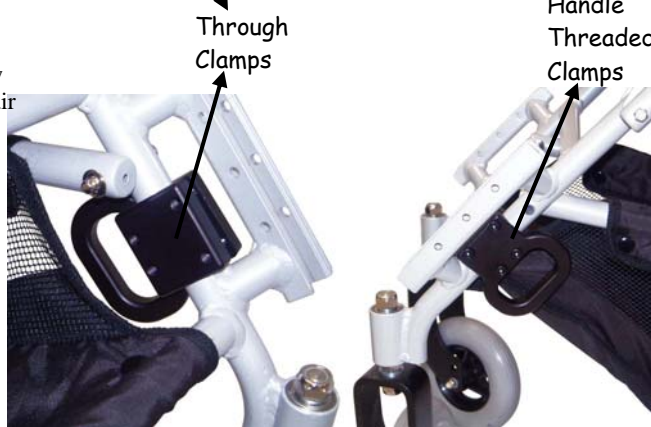
9.3 ASSEMBLY INSTRUCTIONS

- 9.3.1 Separate the 4 TCs from the HTCs by removing the four screws.
- 9.3.2 Apply adequate amount of Loctite to each screw.
- 9.3.3 Loosely position the HTC and the TC to the front left and right bars as shown:
 - LT14- (Fig. 1)
 - LT11- (Fig. 2)
- 9.3.4 Loosely position the HTC and the TC to the rear left and right bars as shown.
 - (Fig. 3)
- 9.3.5 Tighten all clamp screws to 100 inches pounds of torque (metric: 11Nm)

(Fig. 1)
Front View
14" Pushchair



(Fig. 2)
Front View
11" Pushchair



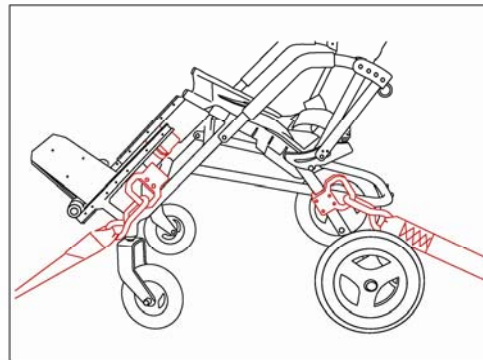
(Fig. 3)
Rear View
11" & 14"

9.4 ATTACH THE LIGHTNING PUSHCHAIR TO VEHICLE

The Lightning must be attached to the vehicle using the Set of 4 Tie-Down Kit Brackets, and a 4-point wheelchair restraint with Karabiners

Note:- The Set of 4 Tie-Down Kit Brackets is available from Tendercare Ltd. 4-point wheelchair restraints are manufactured by Unwin Safety Systems.

- Position the assembly correctly in the vehicle over the floor track with the front of the Lightning facing towards the front of the vehicle (*in the direction of travel*). Put the Brakes on.
- Attach the front restraints to the floor track and the front Tie-Down Brackets making sure they are in line with the floor track. Attach the rear restraints to the floor track and the rear Tie-Down Brackets.
- Open the lever of the over centre buckle and pull through the excess webbing to tighten the belt. Snap down lever to tension.
- To release the Lightning follow the above instructions in reverse order.



10.0 INSTRUCTIONS FOR ATTACHING THE WORK 'N' PLAY TRAY

The below instructions are for attaching the Work 'n' Play tray to the Lightning Pushchair.

CAUTION: THE TRAYS HAVE BEEN RATED TO HOLD UP TO 6.8kgs/15lbs OF WEIGHT. DO NOT OVERLOAD.

WARNING: REMOVE THE TRAY WHEN TRANSPORTING USER IN A MOVING VEHICLE.

10.1 Contents

- Plastic Tray
- 2 Locking Pins

10.2 Attaching And Removing The Tray

- 10.2.1 Place the tray on top of the armrest handles as shown on Fig. 1.
- 10.2.2 Insert a locking pin to both sides as shown on Fig. 2.
- 10.2.3 For removal, ensure that the tray is free from objects and release the tray by removing both locking pins.

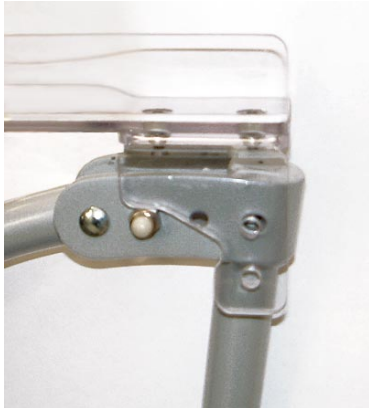


Fig. 1



Fig. 2

11.0 CLEANING

11.1 Frame

- 11.1.1 To clean the frame, wipe with a damp cloth and dry thoroughly.
- 11.1.2 For more stubborn stains wipe with a damp cloth and warm water in which a little mild soap has been dissolved. Dry thoroughly
- 11.1.3 Never use furniture polish or any spirit to clean the frame

11.2 Upholstery

- 11.2.1 Remove the seat and back upholstery from the pushchair.
- 11.2.2 Remove the harness and support boards from the upholstery.
- 11.2.3 Machine wash in cold water on delicate cycle.
- 11.2.4 Dry cover thoroughly before re-assembly. **Do not tumble dry.**

11.3 H-Harness

- 11.3.1 Remove harness from pushchair.
- 11.3.2 Wipe with a damp cloth and dry thoroughly. **Do not tumble dry.**
- 11.3.3 **Do Not immerse in water or wash in a machine**

11.4 Accessories

- 11.4.1 Remove accessories from the pushchair.
- 11.4.2 Wipe with a damp cloth and dry thoroughly.

12.0 MAINTENANCE

- ⚠ Excessive exposure to the sun or heat could cause fading or warping of parts.**
- ⚠** Should a problem be found when carrying out the regular checks, it should be immediately reported to the issuing authority or Tendercare Ltd.

12.1 Routine Maintenance -

The users family can carryout the following tasks. No tools required.

- 12.1.1 Always wipe the pushchair dry. Never put it away damp. (daily)
- 12.1.2 Check operation of the brake, folding and reclining mechanisms (weekly).
- 12.1.3 Check condition of harness, stitching and buckle (weekly).
- 12.1.4 Clean frame when necessary (we suggest at least once a week).

12.2 Six Months Maintenance -

Someone who is a competent tradesman or repairer should only carry out this work. If a major fault is found stop using the pushchair until it has been corrected.

- 12.2.1 Fold and open the pushchair. Check that all movements through the folding range are free. Examine frame for any damage.
- 12.2.2 Examine upholstery and foot straps for wear and arrange for replacement if necessary.
- 12.2.3 Examine nuts, bolts, pivots and frame plugs for tightness and general condition
- 12.2.4 Examine brake assembly for wear, damage and correct operation.
- 12.2.5 Examine tires for sharp objects, cuts or splits.
- 12.2.6 Examine castor and wheel bearings and suspension for excessive wear.
- 12.2.7 Check castors and rear wheels for free rotation, security and accumulation of fluff and grit. Remove with a dry lint free cloth.

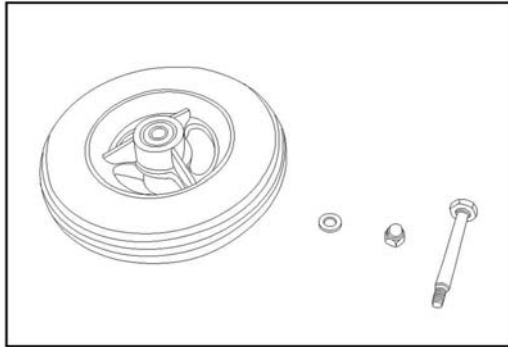
13.0 REPAIR

Any items involved in an accident no matter how minor **MUST BE WITHDRAWN FROM SERVICE IMMEDIATELY AND REPLACED.**

Key Points:

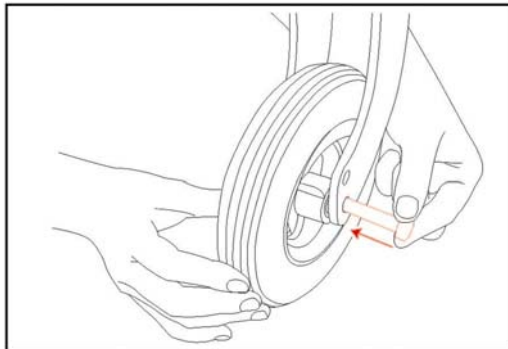
- ⚠ Do not reuse Nyloc nuts. Always replace with a new Nyloc nut.
- ⚠ Always use recommended components and parts available from Tendercare Ltd.
- ⚠ Do not modify or repair frame

13.1 Front Wheel Assembly

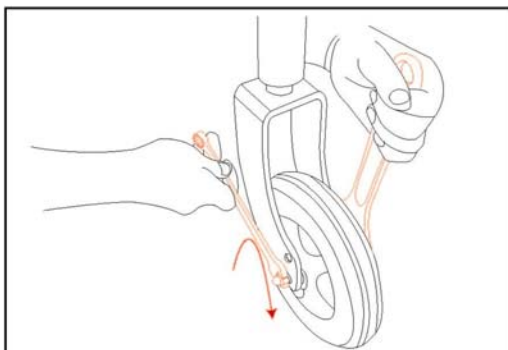


Required items:

- ⇒ Wheel
- ⇒ Nut
- ⇒ Washer
- ⇒ Shoulder bolt
- ⇒ 10mm wrench

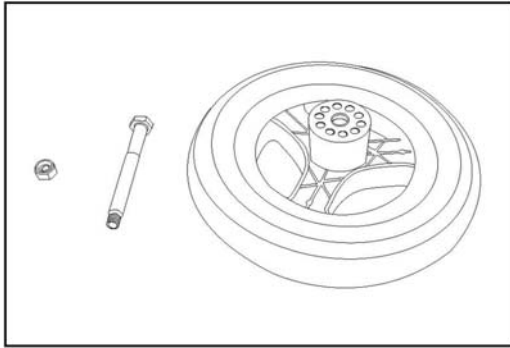


- Insert the shoulder bolt from outside the wheel caster, and
- Through the wheel, and
- To the inside wheel caster.



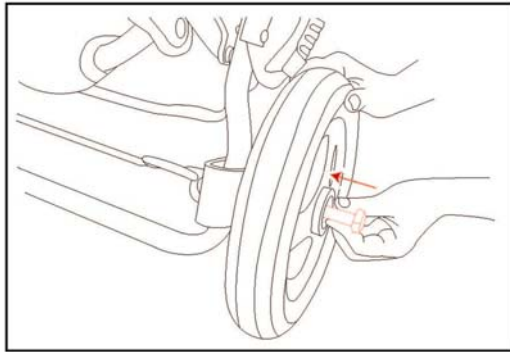
- Place the washer and nut on the inside of the wheel caster.
- Then, tighten with necessary tooling wrenches.

13.2 Rear Wheel Assembly

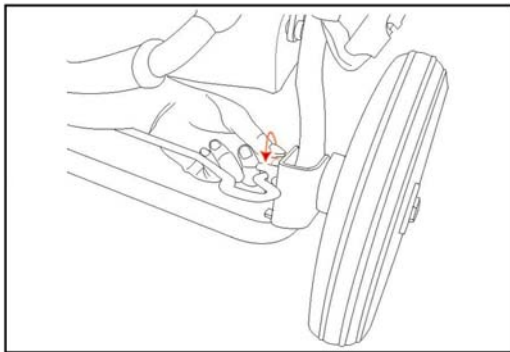


Required items:

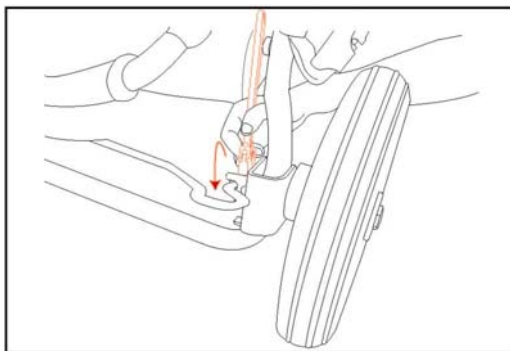
- ⇒ Wheel
- ⇒ Nut
- ⇒ Washer
- ⇒ Shoulder bolt
- ⇒ 10mm wrench



- Insert the shoulder bolt from the outer part of the wheel
- Through the wheel, and
- To the inside wheel mount.

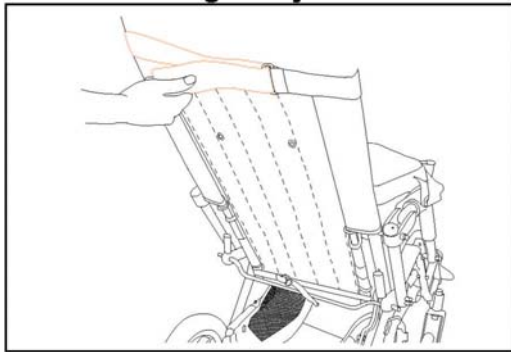


- Place the washer and nut on the inside of the wheel caster.
- Then, tighten with necessary tooling wrenches.



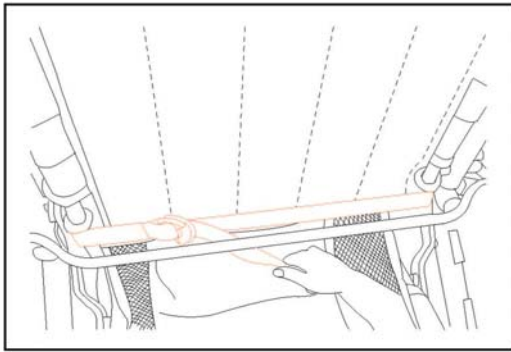
- Place the washer and nut on the inside of the wheel mount.
- Then, tighten with necessary tooling wrenches.

13.3 Replacing/Removing the Back Upholstery

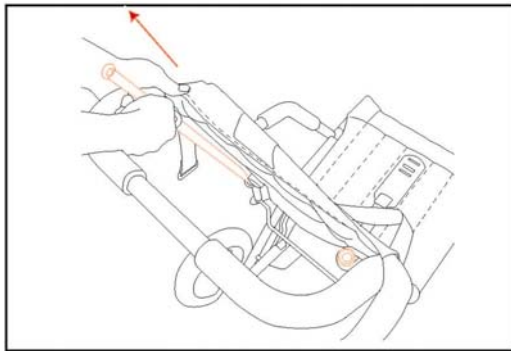


To replace the back upholstery,

- Remove the top Velcro strap.



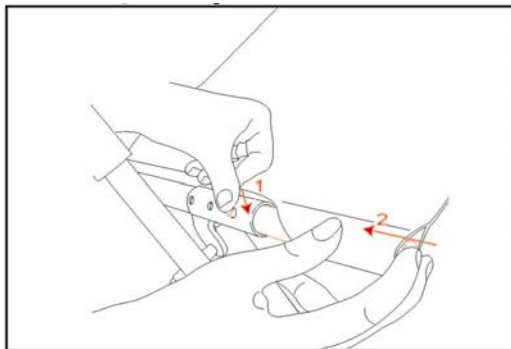
- Remove the lower Velcro strap.



- Remove both left and right side backrest tubes.
- Slip the upholstery out of the tubes

- For reassembly, follow steps in reverse order

13.4 Replacing/Removing Seat Upholstery



To replace the seat upholstery,

- Press both depth release buttons.
- Slide seat tubes out of tube receiver.
- Unscrew both bolts from the seat tubes.
- Slide upholstery from seat tubes.

- For reassembly, follow steps in reverse order.

14.0 Warranty

For UK warranty claims contact Tendercare Ltd #44 (0) 1903 726161. For all other warranty claims contact issuing authority.

- 14.1 The above will repair or replace free of charge, any parts or part found to be defective due to manufacturer within a period of 12 months from the date of delivery.
- 14.2 The above will not repair or replace free of charge any part or parts found to be defective due to abuse, misuse or lack of correct maintenance.
- 14.3 Equipment for warranty claims should be returned in a strong carton. There may be a charge for collection.