

# 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.

- A Immediately discard any plastic wrapping.
- A 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.
- A Never place child in Pushchair with their head forward and feet rearward.
- Avoid serious injury from falling or sliding out.
- Always use seat belt.
- A Never leave user unattended.
- A Never allow Pushchair to be used as a toy or allow children to give rides to others.
- A 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.
- A To avoid burns, never put hot liquids in the working tray.
- A 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.

#### LT16/LT16SE – Total Weight Capacity is 150lbs (68kg)

- 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



# LT14/LT14SE MODEL

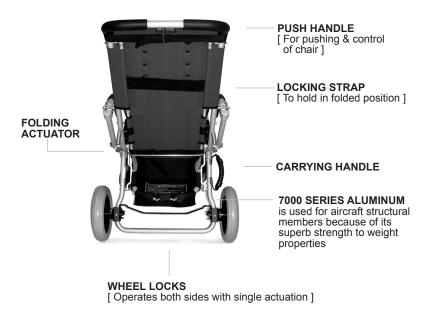


# **PUSHCHAIR FEATURES**

## LT16/LT16SE MODEL



### LT11/LT14/LT16 MODEL (Both Edition)



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# PUSHCHAIR ACCESSORIES

## **UPHOLSTERY COLORS:**

All accessories are available in two colors.





HEADREST Padded, Contoured w/Lateral Wings		
Red Item #	Blue Item #	
LT11-RHR	LT11-BHR	
LT14-RHR	LT14-BHR	
LT16-RHR	LT16-BHR	



SINGLE FLAP Adjustable Lateral Trunk Support		
Red Item #	Blue Item #	
LT11-RSF	LT11-BSF	
LT14-RSF	LT14-BSF	
LT16-RSF	LT16-BSF	

HEADREST EXTENSION Simple Add-On or Remove Design Adds 6" of Height Red Item #

LT11-RHRE

LT14-RHRE

LT16-RHRE

Blue Item #

LT11-BHRE

LT14-BHRE

LT16-BHRE



Adjustable Lateral Trunk Support w/ Double Pads		
Red Item #	Blue Item #	
LT11-RDF	LT11-BDF	
LT14-RDF	LT14-BDF	
LT16-RDF	LT16-BDF	



	NOPY ended Length w/Angle for Increased ection Viewing Window		
Red Item #	Blue Item #		
LT11-RCD	LT11-BCD		
LT14-RCD	LT14-BCD		

LT16-BCD



#### **HEEL LOOPS** & ANKLE CUFFS

Soft, Stretch Fabric For Comfortable, Firm Hold

Item #	
LT11-BAC	
LT14-BAC	
LT16-BAC	



Washable & Easy to Add or Remove Soft, Fleece Covers w/Lateral Wing Red Item # Blue Item # LT11-RHC LT11-BHC LT14-RHC LT14-BHC LT16-RHC LT16-BHC



WEATHER PROTECTOR w/ Velcro Closures Custom Made for the Lightning

Item #	
LT11-RC	
LT14-RC	
LT16-RC	



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WORK 'N' PLAY TRAY w/Turn-Up or Down Sides Easy to Remove & Position Item #

LT11-WT

LT16-RCD

- LT14-WT
- LT16-WT



#### TRANSPORTATION TIE DOWN KIT

Item #: LT-TD

# **SPECIFICATIONS CHART**

Specifications	11" Model	14" Model	16" Model
SEAT WIDTH OUTSIDE CANES	12.75"	15.75"	16.75"
SEAT WIDTH BETWEEN CANES	11"	14"	16"
OVERALL HEIGHT PUSH HANDLE HEIGHT	36"	36"	38"
OVERALL LENGTH w/ FOOTPLATE	38"	42"	44"
OVERALL LENGTH w/o FOOTPLATE	31"	35"	37"
LENGTH WHEEL TO WHEEL (maximum)	27"	27"	27"
SEAT TO FLOOR	20"@11" depth	21"@14" depth	22"
OVERALL WIDTH	19.5"	24"	25"
SEAT ANGLE (DUMP)	30°	30°	30°
BACK UPHOLSTERY	19.25"	24"	24.75"
SEAT TO FOOTREST *	1" to 12"	1" to 17"	1" to 17"
BACK ANGLE SETTINGS	85°, 90° & 95°	85°, 90° & 95°	85°, 90° & 95°
FOLDED DIMENSIONS	19.25"W x 19.25"D x 25.5"H	24"W x 19.25"D x 27.5"H	25"W x 16"D x 28"H
NEIGHT OF CHAIR without riggings)	25 lbs	27 lbs	28 lbs
WEIGHT CAPACITY	75 lbs	100 lbs	150 lbs
FRAME COLOR CHOICES	SILVER	SILVER	SILVER
UPHOLSTERY COLOR CHOICES	NAVY BLUE • RED GLOW	NAVY BLUE • RED GLOW	NAVY BLUE • RED GLOV
FRONT WHEELS	6"	6"	6"
REAR WHEELS	10"	10"	10"
HEADREST EXTENSION	ADDS 6" OF HEIGHT	ADDS 6" OF HEIGHT	ADDS 6" OF HEIGHT
WIDTH OF BACK SEAT (tube to tube)	11" (outside - 12.75")	14" (outside - 15.5")	15" (outside - 16.75")
SEAT TO TOP OF BACK	20.25" (upholstery) 25" to handle	24" (upholstery) 25" to handle	25" (upholstery) 28" to handle
FOOTPLATE	7.25" x 5.4375"	7.25" x 5.4375"	7.25" x 5.4375"
FOOTPLATE ADJUSTMENT (fore and aft)	2"	2"	2"
FOOTPLATE MOUNTS (outside width)	15.75"	16"	17"
WIDTH BETWEEN ARMRESTS	13.5"	16.25"	17.5"
SEAT DEPTH	10" to 12"	12" to 14"	16" to 18"
TUBING	7/8"	7/8"	7/8"
OVERALL LENGTH W/O RIGGINGS	26.5"	29.5"	34"

## 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 LITTLE HAMPTON, 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 Riggings (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:

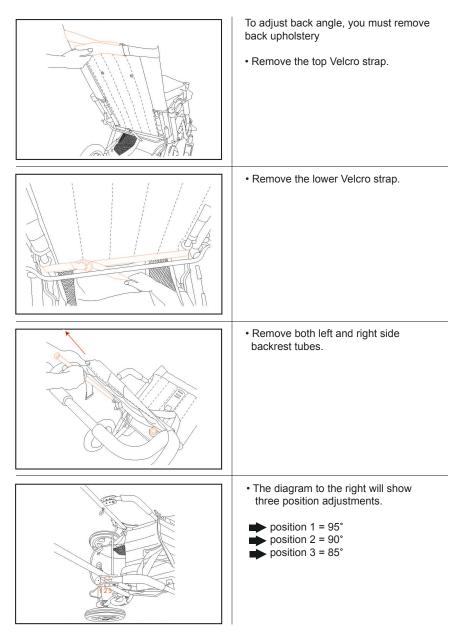
- · Remove any transport straps or transport guards
- · Grasp the Pushchair at the push handles and lift up.
- Lift up enough as to allow the left and right locking mechanism to latch in place.

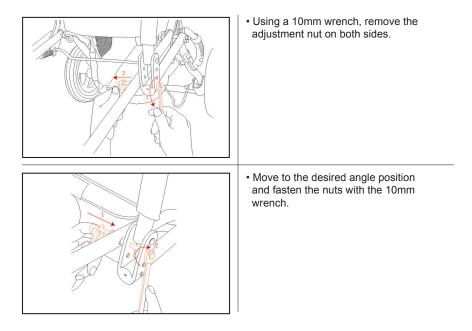
# 7.0 SETTING UP AND ADJUSTING THE PUSHCHAIR

# 7.1 Folding and Carrying

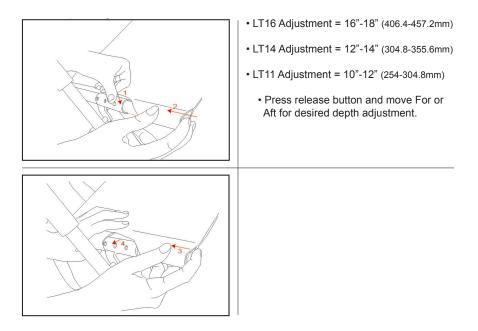
<ul> <li>Grasp the Pushchair handles with both arms, and depress the folding locking mechanism with foot.</li> <li>Hold in the down position and push the back forward toward the seat.</li> </ul>
<ul> <li>Place the left side of the Pushchair on the floor.</li> <li>On the right side, maneuver the Velcro strap around the armrest and fastened to the back of the chair.</li> </ul>
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

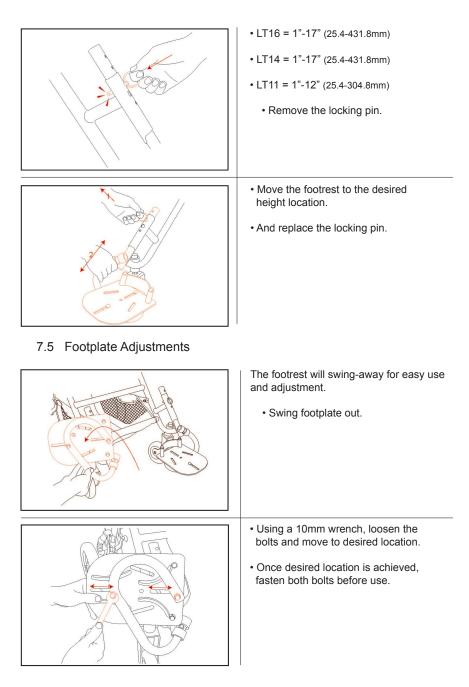


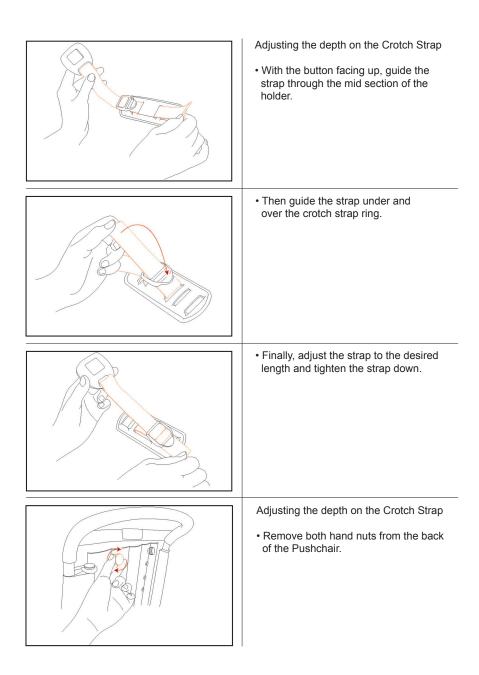


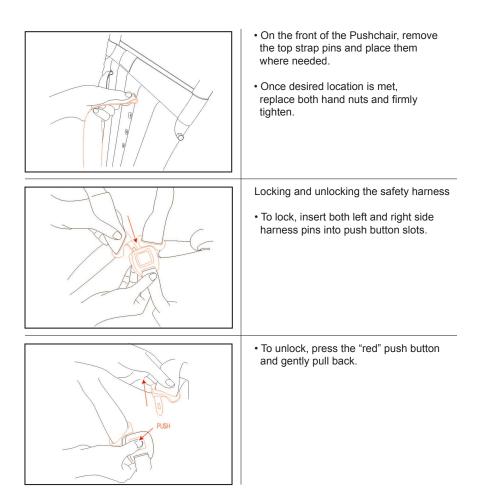
# 7.3 Seat Depth Adjustment



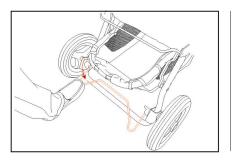
# 7.4 Footrest Height Adjustment







7.7 Brake System



#### To engage brake

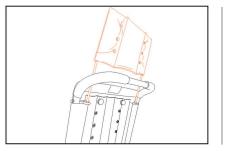
• With your foot press the brake lever down. This will lock both rear wheels.

To disengage brake

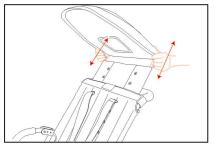
• With your foot placed under the brake lever, pull the lever up. This will unlock both rear wheels.

## 8.0 INSTALLING ACCESSORIES

8.1 Headrest Extension



8.2 Canopy



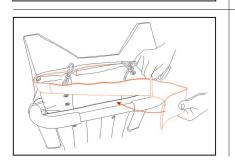
8.3 Padded Headrest

• Insert the headrest extension rods into the backrest accessory tubes.

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

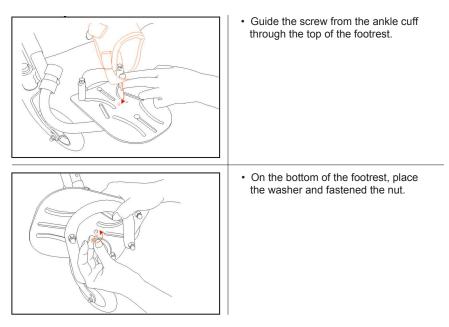
The headrest extension is required for installation of the headrest pad.

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

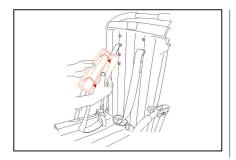


• Guide the Velcro strap through the loop and fastened it to other side of the strap.

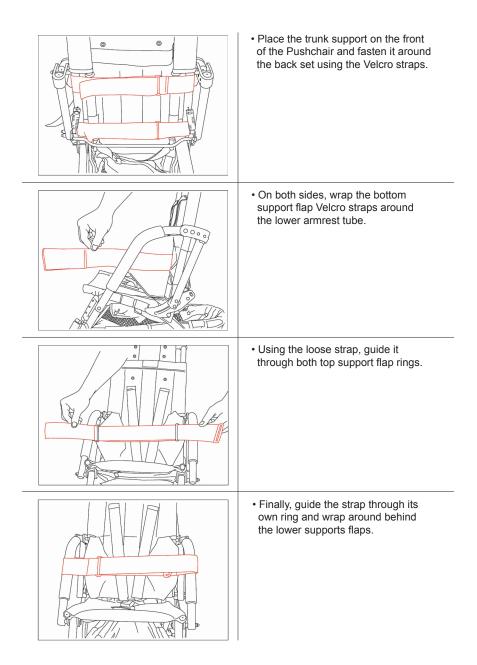
# 8.4 Heel Loop and Ankle Cuffs



8.5 Padded Harness Covers



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



## 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

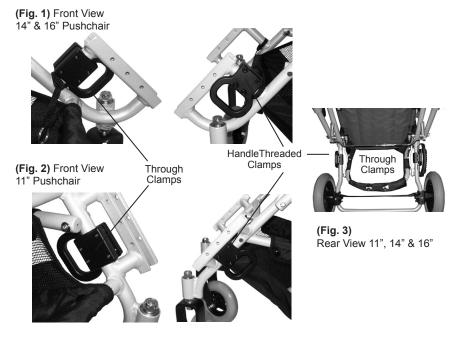
- 9.1 Preparing Lightning For Transport
  - 9.1.1 Check that the child is correctly strapped in the seat using the 5-point harness. Check that the 5-point harness is properly adjusted.
  - 9.1.2 During transportation the headrest extension must be fitted.
  - 9.1.3 Remove the following if fitted: Work "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 & LT16 (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 torque (metric: 11Nm).

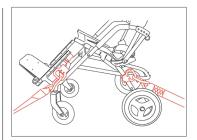


### 9.4 Attach The Lightning Pushchair To Vehicle

The Lightning must be attched to the vehicle using the Set of 4 Tie-Down 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

- A Excessive exposure to the sun or heat could cause fading or warping of parts.
- A 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 carry-out 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.

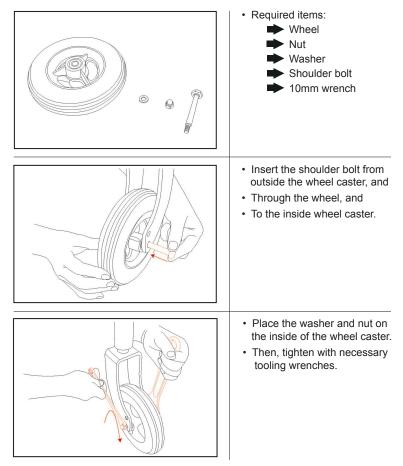
#### 13.0 REPAIR

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

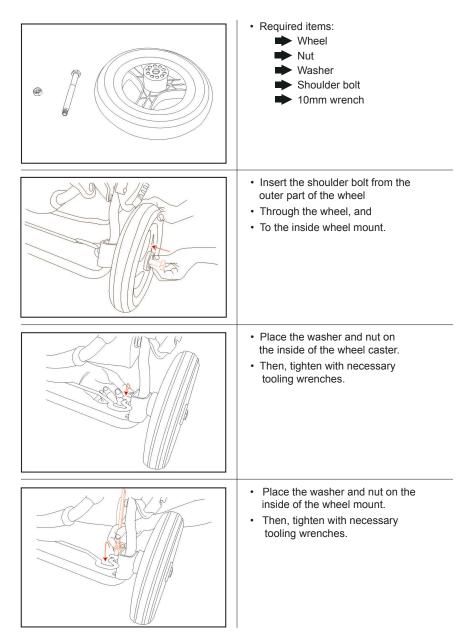
**Key Points:** 

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

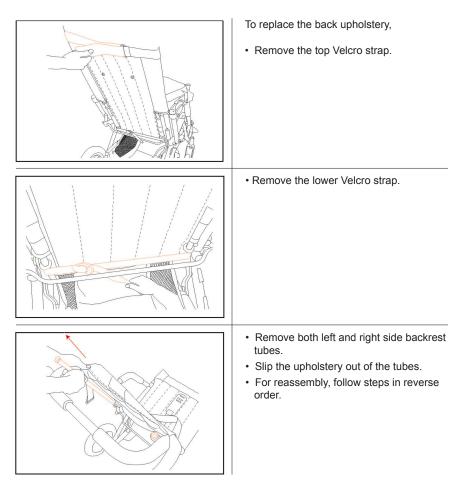
#### 13.1 Front Wheel Assembly



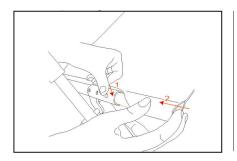
# 13.2 Rear Wheel Assembly



# 13.3 Replacing/Removing the Back Upholstery



# 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.



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