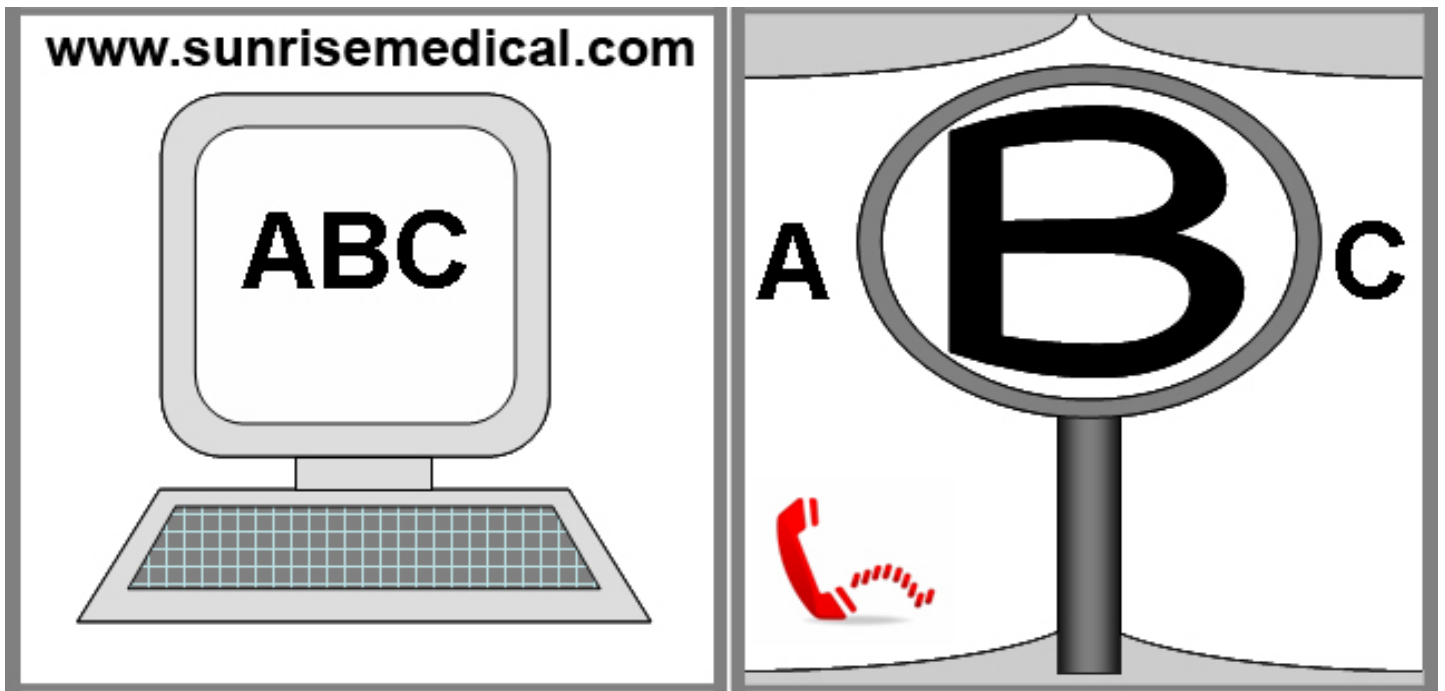




DIRECTIONS FOR USE

Neptune 2





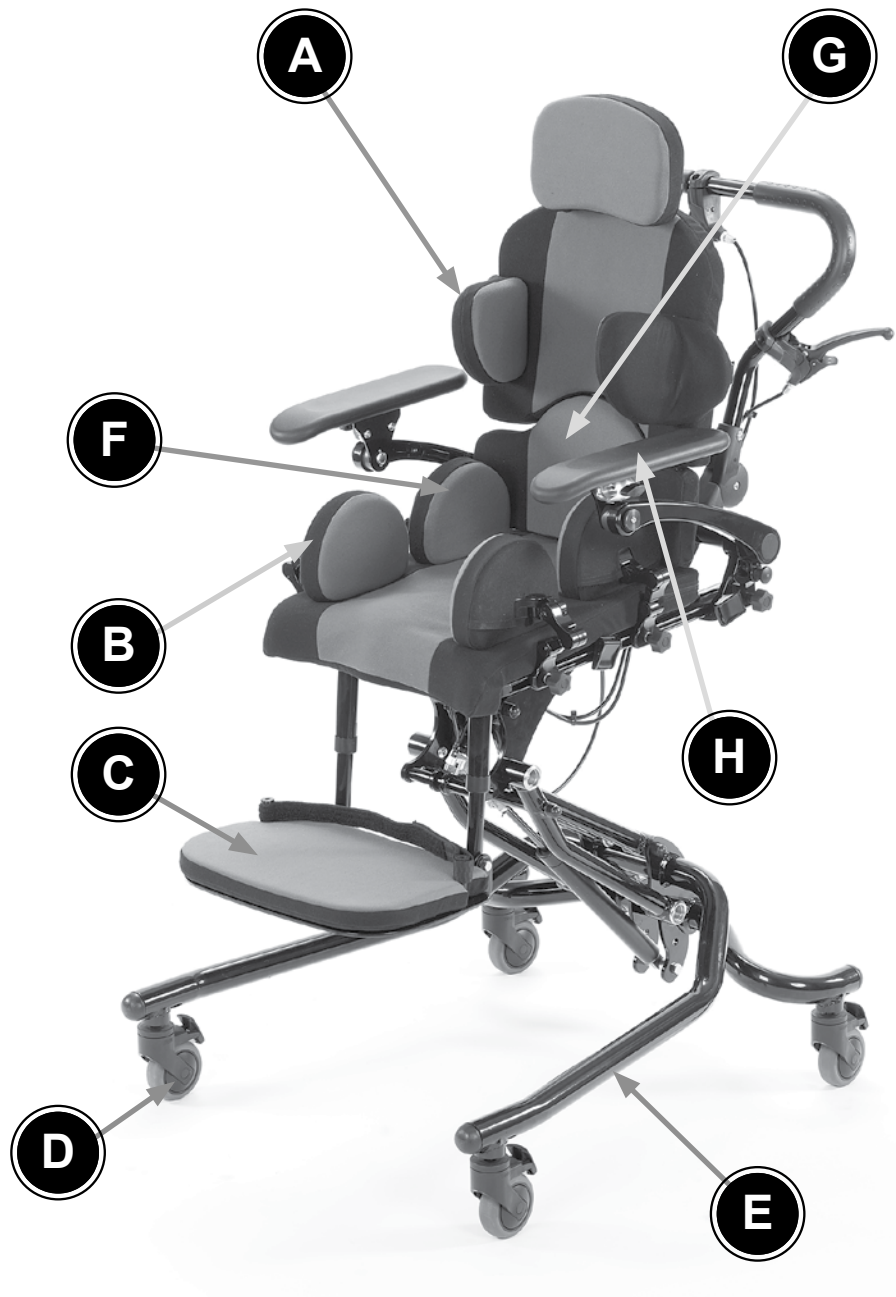
If you are visually impaired, this document can be viewed in PDF format at www.SunriseMedical.co.uk



4



- A. Lateral Supports
- B. Thigh Guides
- C. Footrest
- D. Castors
- E. MHT Base
- F. Hip Pads
- G. Sacral Pad
- H. Armrest



Measurements and Useful Information

Sunrise Medical
Thorns Road
Brierley Hill
West Midlands
DY5 2LD
England
Phone: 0845 605 66 88
Fax: 0845 605 66 89
www.SunriseMedical.co.uk

| | Size 0 | Size 1 | Size 2 | Size 3 |
|--|---------------|---------------|----------------|---------------|
| Seat Depth | 130 - 250 mm | 200 - 325 mm | 275 - 400 mm | 350 - 475 mm |
| Seat Width | 140 - 260 mm | 215 - 325 mm | 270 - 380 mm | 325 - 425 mm |
| Back Height | 325 - 450 mm | 400 - 525 mm | 475 - 600 mm | 550 - 675 mm |
| Back Angle | (-)12.5 - 30° | (-)12.5 - 30° | (-)12.5 - 30° | (-)12.5 - 30° |
| Lower Leg Length | 110 - 260 mm | 210 - 285 mm | 255 - 375 mm | 315 - 480 mm |
| Seat Height Standard Base (*) | 450 - 600 mm | 450 - 600 mm | 450 - 600 mm * | - |
| Total Width Standard Base | 550 mm | 550 mm | 550 mm | - |
| Total Length Standard Base | 595 mm | 595 mm | 595 mm | - |
| Seat Height HiLo Base (**) | 250 - 620 mm | 250 - 620 mm | - | - |
| Seat Height HiLo Base (Hydr.) | 270 - 600 mm | 270 - 600 mm | 270 - 600 mm | 310 - 600 mm |
| Seat Height HiLo Base (Electr.) | - | - | 320 - 580 mm | 320 - 580 mm |
| Total Width HiLo Base | 550 mm | 550 mm | 550 mm | 550 mm |
| Total Length HiLo Base | 595 mm | 595 mm | 665 mm | 665 mm |
| Seat Angle | (-)5 - 30° | (-)5 - 30° | (-)5 - 30° | (-)5 - 30° |
| Max. User Weight | 30 kg | 50 kg | 70 kg | 110 kg |
| | | | | |

(*) Max. user weight 50 kg!

(**) Measured from floor to top of Std seat cushion

Measured with standard 75mm castors; 100mm castor increase height by 30mm.
Heights are with seat bolted to base version only, Trapezoid/Mushroom will add height.

Upholstery-Information and Removal

- All of the upholstery is fitted with Velcro® or zips to enable you to remove or replace as appropriate.
- Second sets of covers are available to purchase directly from Sunrise Medical.

The Neptune 2 chair has been designed to interface with a range of base frame options.



If you have been supplied the seating system with a Zippie Mobility base frame please refer to the separate instruction manual relating to the specific base you have.

Introduction

Dear Customer,

We are very happy that you have decided in favour of a high-quality product from SUNRISE MEDICAL.

This instruction manual contains very important information about the Neptune 2 seating system, how to use it safely and obtain the best results from it. Please read all the information contained in this manual before using the chair and retain for future reference. Ensure everyone using the equipment is aware of the contents of this manual and understands how to use the equipment safely.

These instructions provide guidance on the adjustments for professionals, but they also give information on how the equipment should be safely used, maintained, checked, and correctly assembled by anyone who uses the seating system.

In every case the equipment should be supplied via qualified professionals who will have adjusted the equipment, checked its compliance and tested it appropriately.

The management system of SUNRISE MEDICAL is certified to ISO 13485 and ISO 14001.

As the manufacturer, SUNRISE MEDICAL, declares that the seating system is conform to the 93/42/EEC guideline.



DO NOT USE YOUR Product UNTIL THIS MANUAL HAS BEEN READ AND UNDERSTOOD.

The seating system should only ever be adjusted by qualified professionals and persons that are suitably trained. For further information please do not hesitate to contact us - all contact details are below.

Sunrise Medical

Thorns Road

Brierley Hill

West Midlands

DY5 2LD

England

Phone: 0845 605 66 88

Fax: 0845 605 66 89

www.SunriseMedical.co.uk

Thank you for purchasing our product, we hope you enjoy your new seating system.

Use

Attendant configurations, are exclusively for a user who is unable to walk or has limited mobility, for their own personal use indoors or outdoors.

The maximum weight limit (includes both the user and any weight of accessories fitted to the product) is marked on the serial number label, (see section 6.0).

Warranty can only be taken on if the product is used under the specified conditions and for the intended purposes.

The intended lifetime of the product is 5 years.

Please DO NOT use or fit any 3rd party components to the seating system unless they are officially approved by Sunrise Medical.

DANGER!

- Do not fit any unauthorized electronic equipment.
- Do not fit powered or mechanically operated mobility devices, or any other device that changes the intended use or the structure of the seating system.
- Any combination with other medical devices requires approval directly from Sunrise Medical.

Area of application

The variety of fitting variants as well as the modular design mean that it can be used by those who cannot walk or have limited mobility e.g. because of:

- Paralysis
- Loss of extremity (leg amputation)
- Extremity defect deformity
- Joint contractures/joint injuries
- Illnesses such as heart and circulation deficiencies, disturbance of equilibrium or cachexia.
- When considering provision, please also note the body size, weight, physical and psychological constitution, the age of the child, living conditions and environment.

Operating Conditions





The seating system can be used indoors as well as outdoors in attendant configurations, on dry, firm, relatively smooth surfaces. It is not recommended for use in a storm, torrential rain, snow and ice or other extreme weather conditions.

Contents

| | | | |
|--|-----------|--|-----------|
| Measurements and Useful Information | 4 | 18.0 Pommel Adjustment | 22 |
| Upholstery-Information and Removal | 4 | Adjusting Pommel Height (Fig.18.1) | 22 |
| Introduction | 5 | Fore and Aft Adjustment (Fig.18.2) | 22 |
| Use | 5 | 18.1 Flip Down the Inner Thigh Pad (To facilitate Transfers) | 22 |
| Area of application | 5 | 19.0 Leg Rest Adjustment (Length) | 23 |
| Contents | 6 | Legrest Length (Fig.19.1) | 23 |
| Definitions | 7 | 20.0 Leg Rest Adjustment (Angle) | 23 |
| Definitions of words used in this manual | 7 | Footplate Angle / Flip Away (Fig.20.1) | 23 |
| 1.0 Important Safety Advice | 8 | Leg Rest Angle adjustment | 23 |
| 2.0 Warranty | 12 | 21.0 Sandal/Foot Strap Adjustment | 24 |
| 3.0 Brakes | 13 | Sandal Fixing | 24 |
| Operating Brakes, (Indoor Base Frames) | 13 | Foot Straps | 24 |
| Applying Brakes | 13 | 22.0 Manual Seat Height Adjustment (Multi Height & Tilt Base) | 24 |
| Releasing Brakes | 13 | 23.0 Powered Base Height Adjustment (upgrade option) | 24 |
| 4.0 Lock Levers | 13 | 24.0 Height Adjustment Standard Base | 25 |
| Effective Operation of Lock Levers | 13 | 25.0 Tilt In Space (Multi Height & Tilt Base) | 25 |
| 5.0 Serial Number Location | 14 | 26.0 Tilt In Space Standard Base | 26 |
| Serial Number | 14 | 27.0 Folding Push Handle (Multi Height & Tilt Base) | 26 |
| 6.0 Lap Strap Fixing Location | 14 | 28.0 Push Handle Folding and Angle | 26 |
| 7.0 Chest Harness - Adjustments | 15 | 29. Mounting Seat to Base - SM Mushroom Interface | 27 |
| Chest Harness | 15 | 30. Mounting Seat to Base - Trapezoid Adapter | 27 |
| 8.0 Lap Strap Safety | 16 | 31.0 Cleaning and Care | 28 |
| Lap Strap Fitting | 16 | Metal Framework | 28 |
| Harness and Lap Strap Positioning | 16 | 32.0 General Maintenance | 29 |
| 9.0 Seat Depth - Adjustments | 17 | 33.0 Servicing by Approved Dealer | 30 |
| Adjusting the Seat Depth | 17 | What should be completed during a service? | 30 |
| 10.0 Back Angle - Adjustments | 17 | What happens if a fault is found? | 30 |
| Adjusting the Back Angle (Fig.10.1-10.2) | 17 | Who should carry out the service? | 30 |
| 11.0 Back Height - Adjustments | 18 | Frequency of Service | 30 |
| Adjusting the Back Height | 18 | How To Book A Service | 30 |
| 12.0 Sacral Pad - Adjustments | 18 | 34.0 Service Record Log | 31 |
| 13.0 Arm Rest Positioning | 19 | 35.0 Inspecting and Reissuing of Equipment | 32 |
| Adjusting Arm Height | 19 | Cleaning | 32 |
| Adjusting Arm Angle | 19 | Assessment of Fabrics / Foams | 32 |
| Adjusting Position of the Pad | 19 | Electrical and Electronic Equipment Decommissioning | 32 |
| Adjustable Armrest Lock | 19 | Appropriateness of Equipment | 32 |
| 14.0 Tray Fitting | 19 | Manuals and Records | 32 |
| Fitting a Tray | 19 | Inspection | 32 |
| 15.0 Lateral Support Adjustments | 20 | Condition | 32 |
| Height of Supports, (Fig.15.1) | 20 | Accessories | 33 |
| Width of Supports, (Fig.15.2) | 20 | Function | 33 |
| 16.0 Head Rest - Adjustment >>> | 20 | Fixings | 33 |
| Adjusting the Headrest Height (Fig.16.1) | 20 | Modifications | 33 |
| Adjusting the Headrest Position (Fig.16.2) | 20 | Labelling | 33 |
| Adjusting the Headrest Angle (Fig.16.3-16.4) | 21 | Adjustment | 33 |
| 17.0 Hip Pad & Thigh Guide Adjustment | 21 | Hand Over | 33 |
| Hip Pad & Thigh Guide Width (Fig.17.1) | 21 | Packaging | 33 |
| Hip Pad & Thigh Guide Depth (Fig.17.2) | 21 | Handle Fitting | 33 |

Definitions

Definitions of words used in this manual

| Word | Definition |
|--|---|
|  DANGER! | Advice to the user of potential risk of serious injury or death if the advice is not followed |
|  WARNING! | Advice to the user of a risk of injury if the advice is not followed |
|  CAUTION! | Advice to user that potential damage to equipment may occur if the advice is not followed |
| NOTE: | General advice or best practice |
|  | Reference To Additional Documentation |

NOTE:

The seating system shown and described in this user guide may not correspond in every detail exactly to your own model. However, all instructions are still entirely relevant, irrespective of detail differences.

The manufacturer reserves the right to alter without notice any weights, measurements or other technical data shown in this manual. All figures, measurements and capacities shown in this manual are approximate and do not constitute specifications.

NOTE:

Please keep a note of your local service agent's address and telephone number in the space provided.

In the event of a breakdown, contact them and try to give all relevant details so they can help you quickly.

Dealer signature and stamp.

1.0 Important Safety Advice

WARNINGS!

We at Sunrise Medical are committed to producing products of the highest standard. All of our products fulfil the essential safety and environmental requirements as defined in the European Directives. However, improper use of the products will potentially put the users at risk and therefore Sunrise Medical strongly suggest that the following information is strictly adhered to at all times.

WARNINGS!

- Ensure all adjustment mechanisms are secure and in place before operation. If it is likely that the hand-wheels will be repeatedly loosened, Sunrise Medical can supply allen key bolts as an alternative. We strongly recommend this if there is a danger from those in the vicinity of the user.
- After completing any alterations ENSURE all nuts, bolts, knobs, hand wheels and other fixings are securely tightened and in position, and that they are regularly checked as part of the maintenance of the chair. Never over adjust or over tighten moving parts.
- All postural support straps and harnesses should be in place and properly adjusted to the user, prior to usage of any kind (see pages 8 & 9).
- When fitted to an indoor base frame the Neptune 2 should always be positioned on a level, flat floor. The Neptune 2 chair can be moved between one working area and another. For safety ALWAYS return the product to a neutral position and lower before moving (lower in height, level the seat, ensure the back is upright etc). After the chair has been moved and during use the chair should be placed in a static position with the brakes applied. Indoor base frames such as the compact base are designed to be used inside, however it is acceptable to take these bases externally for a brief period if transferring the chair from one indoor area to another.
- Heavy items on the tray will affect stability. The fitting of anything other than the standard Zippie tray may substantially affect the stability of the seating system and should therefore be checked before issue.
- If at any time it is noted that areas of the users skin remain reddened after being out of the seating system for around 10 minutes, urgently contact the qualified professional who performed the hand over of the equipment. This may be a sign of excessive pressure being exerted by the seating. This might occur in the initial use of a new seat where further adjustment may be required, where the user has been badly placed, grown or where an underlying medical problem exists. Review may be necessary in such cases
- Keep all products away from excessive sources of heat, cigarettes and naked flames.

- If you suspect that the system may be faulty, cease use of the equipment straight away and immediately contact the organization who supplied the system. (Sunrise Medical's contact information can be found on the back cover).
- The equipment will be labelled with important information. NEVER REMOVE these information labels or allow them to be defaced, overlaid or altered.
- All modifications, adjustments, reconditioning, repairs, disposal, and servicing of the seating unit must ONLY be carried out by the agencies who supplied the equipment (see pages 30-31).

DANGER!

Flexi-Supports and Lateral Supports

Ensure the straps do not infringe on any feeding tubes the child may have.

WARNING!

Pommel

The pommel is designed to abduct the users knees to help keep the hips in a good position. Do NOT use the pommel as a way of holding the user in the seat. Remove the pommel when transferring the user in and out of the seat (not required for contoured seats.)

Foot Sandals and Straps

Should only be fixed when the user is wearing shoes or boots.

Tray

Do NOT use the tray as a way of securing children in a chair. Always ensure that the lap strap and any other straps supplied are used. Ensure that the tray clips are secure on both sides of the tray. If the tray is damaged, ensure that this will not be a hazard to the user. Never leave hot items on the tray while children are unattended.

DANGER!

CHOKING HAZARD – This mobility aid uses small parts which under certain circumstances may present a choking hazard to young children.

1.0 Important Safety Advice >>>



Before changing any of the adjustments of this product, it is important to read the corresponding section of the user's manual.

NEVER exceed the maximum load for driver plus any items carried on the seating system. If you exceed the maximum load, this can lead to damage to the chair, or you may fall or tip over, lose control and may lead to serious injury of the user and other people.

To avoid falls and dangerous situations, you should first practice using your new seating system on level ground with good visibility.

This seating system should be used exclusively to convey one person at a time. Any other use does not comply with the intended purpose.

When getting on or off the seating system, do not use the footboards. These should be flipped up beforehand.

Do not hang heavy items such as shopping bags or backpacks, on the push handles, head rest or backrest of the seating system. These can change the tipping point and there is a risk of tipping backwards.

Make sure that the attendant only holds the seating system using securely mounted parts (e.g. not on the footrests or the sideguards).

When reaching for objects (which are in front of, to the side or behind the seating system) make sure that you do not lean too far out of the seating system.

Secure your therapy chair on uneven ground or when transferring (e.g. into a car) by using the wheel locks.

Do not lift or carry the therapy chair by the backtubes or the pushhandles.

The therapy chair is not intended to be carried. If you cannot avoid to carry the chair make sure that all moving parts are tightened. To carry the chair stand next to the chair, grab it at the front and rear and the seat unit and carry it to the desired place.

Do not lift or carry the product by the backtubes or the pushhandles.



WARNING!

Tighten up all moving parts before carrying the therapy chair!



WARNING!

The child must not be in the therapy chair whilst it is transported!

If the product is subject to direct sunlight for a long period of time, then parts of the product (e.g. frame, legrests, brakes and sideguard) may become hot (>41°C).

With all moving parts there is a natural risk of finger traps. Please handle with care.

Do not use the product in hazardous environments.

Do not use the therapy chair in wet areas.

The careperson is responsible for the intended use and maintenance and care of the product.

The individual skills of the user needs to be taken into account.

The user needs to be secured against falling out without compromising the comfort.

Limited manoeuvrability when used on soft ground (e.g. carpet).

Ensure all adjustment mechanisms are secure and in place before operation. If it is likely that the hand-wheels will be repeatedly loosened, Sunrise Medical can supply allen key bolts as an alternative. We strongly recommend this if there is a danger from those in the vicinity of the user.

After completing any alterations ENSURE all nuts, bolts, knobs, hand wheels and other fixings are securely tightened and in position, and that they are regularly checked as part of the maintenance of the chair. Never over adjust or over tighten moving parts.

When a seating system is fitted to a Standard or HiLo base frame it should always be positioned on a level, flat floor. The chair can be moved between one working area and another. For safety ALWAYS return the product to a neutral position and lower before moving (lower in Height, level the seat, ensure the back is upright etc). After the chair has been moved and during use the chair should be placed in a static position with the brakes applied. Indoor base frames such as the compact base are designed to be used inside, however it is acceptable to take these bases externally for a brief period if transferring the chair from one indoor area to another.

If you suspect that the system may be faulty, cease use of the equipment straight away and immediately contact the organization who supplied the system.

The equipment will be labelled with important information. NEVER REMOVE these information labels or allow them to be defaced, overlaid or altered.

All modifications, adjustments, reconditioning, repairs, disposal, and servicing of the seating unit must ONLY be carried out by the agencies who supplied the equipment.

1.0 Important Safety Advice >>>

To ensure your system remains stable under intended use condition, namely indoor on flat surfaces it must ONLY be used with permitted seating system/base/interface combinations.

| Neptune 2 | SEAT SIZE 0 | Interface | SEAT SIZE 1 | Interface | SEAT SIZE 2 | Interface | SEAT SIZE 3 | Interface |
|-----------------------------------|-------------------------------|---------------|-------------------------------|---------------|-------------|-----------------------|-------------|---------------|
| HI-LO HYDRAULIC - 665x550 | OK | *SM Mushroom | OK | *SM Mushroom | OK | *SM Mushroom | OK | *SM Mushroom |
| | OK | EU trapezoid | OK | EU trapezoid | OK | EU trapezoid | OK | EU trapezoid |
| | OK | bolted direct | OK | bolted direct | OK | bolted direct | OK | bolted direct |
| HI-LO HYDRAULIC - 595x550 | OK | *SM Mushroom | OK | *SM Mushroom | DO NOT USE | | DO NOT USE | |
| | OK | EU trapezoid | OK | EU trapezoid | DO NOT USE | | DO NOT USE | |
| | OK | bolted direct | OK | bolted direct | DO NOT USE | | DO NOT USE | |
| HI-LO ELECTRIC - 665x550 | OK | *SM Mushroom | OK | *SM Mushroom | OK | *SM Mushroom | OK | *SM Mushroom |
| | OK | EU trapezoid | OK | EU trapezoid | OK | EU trapezoid | OK | EU trapezoid |
| | OK | bolted direct | OK | bolted direct | OK | bolted direct | OK | bolted direct |
| HI-LO GAS SPRING - 595x550 | OK | *SM Mushroom | OK | *SM Mushroom | DO NOT USE | | DO NOT USE | |
| | OK | EU trapezoid | OK | EU trapezoid | DO NOT USE | | DO NOT USE | |
| | OK | bolted direct | OK | bolted direct | DO NOT USE | | DO NOT USE | |
| BASIC - 595x550 | OK | *SM Mushroom | OK | *SM Mushroom | 50KG MAX | *SM Mushroom | DO NOT USE | |
| | OK | EU trapezoid | OK | EU trapezoid | 50KG MAX | EU trapezoid | DO NOT USE | |
| | OK | bolted direct | OK | bolted direct | 50KG MAX | bolted direct | DO NOT USE | |
| Salsa M2 Mini | OK | *SM Mushroom | OK | *SM Mushroom | DO NOT USE | | DO NOT USE | |
| | OK | EU trapezoid | OK | EU trapezoid | DO NOT USE | | DO NOT USE | |
| Zippie RS | OK | *SM Mushroom | OK | *SM Mushroom | OK | EU trapezoid | DO NOT USE | |
| | OK | EU trapezoid | OK | EU trapezoid | OK | Existing JCM Mushroom | DO NOT USE | |
| Salsa M2 | option not currently included | | option not currently included | | OK | EU trapezoid | OK | EU trapezoid |

*SM = Sunrise Medical.

There are min/max height and tilt differences when using interfaces when compared to bolting the chair directly to the base, the EU trapezoid has the biggest effect on this due to the plate size.

1.0 Important Safety Advice >>>

The Standard and HiLo bases are intended to be used on a level flat floor only.

The indoor bases can be moved from one working area to another but before moving:

- The seat back should be returned to the vertical or slightly reclined position
- The seat tilt should be returned to the horizontal position
- The seat should be in the upper Height position
- Heavy items on the tray and hanging items from the push handle may affect stability and should be removed whilst moving the seating system whenever possible

The Indoor Bases are intended for indoor use only although it is acceptable to take the base externally if transferring from one indoor area to another (Note: this is subject to your own risk assessment (slope angles, thresholds, surface roughness should be considered)

- If the base is to be moved down a slope then to avoid tipping forward or running away then the base must be reversed down
- If the base is to be moved over a threshold then to avoid tipping the base must be reversed over the threshold.

After moving and during use, the seating system should be in a static position with the brakes applied.

Whenever the user transfers them-selves or is assisted to transfer forward out of the seat the brakes must be applied and an assistant must hold the push handle to avoid forward tipping.

The handle fitted to the Base will likely have been specified in accordance with the size of the seat. This is required to ensure the seat will always latch appropriately to the base.

When re-issuing equipment, it is the customer's responsibility to ensure that the equipment being supplied is appropriate for the needs of the user taking age, weight, ability, diagnosis, growth and any other factors into account.

Periodic Re-Assessment.

- Many of the features of Products are designed to be adjustable
- Healthcare providers/prescribers should consider the need for periodic (re)assessment of users and their equipment to ensure that the settings of any adjustable features or the complete product where changes in the user e.g. growth or other changes, or the intended use are still effective.

Please note the stability is affected by the following, all of which should be considered during use and when undertaking a risk assessment:

- User weight
- Seat depth
- Recline angle
- Seat tilt angle
- Seat Height
- Environment (slopes and thresholds).

WARNING!

Adjustments to your therapy chair particularly to safety-related components must be carried out by an approved dealer. This applies to adjustments to wheel locks, anti-tip tubes, backrest angle and Height, lower leg length, COG, lap belt, seat Height as well as toe-in and directional stability of the castor fork.

WARNING!

Never leave the child unattended seated in the therapy chair.

NOTE:

- Always be careful with your fingers when working or adjusting the product!
- Always make sure that there are no user's extremities in the adjustment area while adjusting the therapy chair to minimise the risk of injury.
- The products shown and described in this user guide may not correspond in every detail exactly to your own model. However, all instructions are completely relevant, regardless of possible detail differences.
- The manufacturer reserves the right to alter without notice any weights, measurements or other technical data shown in this manual. All figures, measurements and capacities shown in this manual are approximate and do not constitute specifications.
- Keep the Owner's Manual in a safe place and make sure it remains with the product in case of re-usage.

2.0 Warranty

THIS GUARANTEE DOES NOT AFFECT YOUR LEGAL RIGHTS IN ANY WAY.

Sunrise Medical* provides a guarantee, as set out in the warranty conditions, for products to its customers covering the following.

Warranty conditions:

1. Should a part or parts of the product require repair or replacement as a result of a manufacturing and/or material fault within 24 months, then the affected part or parts will be repaired or replaced free of charge. The warranty will only cover manufacturing defects
2. To enforce the warranty, please contact Sunrise Medical Customer Service with the exact details of the nature of the difficulty. Should you be using the product outside the area covered by the Sunrise Medical customer service agent, repairs or replacement will be carried out by another agency as designated by the manufacturer. The product must be repaired by a Sunrise Medical designated Customer Service agent, (dealer).
3. For parts, which have been repaired or exchanged within the scope of this warranty, we provide a warranty in accordance with these warranty conditions for the remaining warranty period for the product in accordance with point 1).
4. For original spare parts which have been fitted at the customer's expense, these will have a 12 months guarantee, (following the fitting), in accordance with these warranty conditions.
5. Claims from this warranty shall not arise, if a repair or replacement of a product or a part is required for the following reasons:
 - a. Normal wear and tear, which include but is not limited to the following parts where fitted; batteries, armrest pads, upholstery, tyres, brakes shoes, ferrules, etc.
 - b. Any overloading of the product, please check the CE label for maximum user weight.
 - c. The product or part has not been maintained or serviced in accordance with the manufacturer's recommendations as shown in the user instructions and/or the service instructions.
 - d. Accessories have been used which are not specified as original accessories.
 - e. The product or part having been damaged by neglect, accident or improper use.
 - f. Changes/modifications have been made to the product or parts, which deviate from the manufacturer's specifications.
 - g. Repairs have been carried out, before our Customer Service has been informed of the circumstances.
6. This guarantee is subject to the law of the country in which the product was purchased from Sunrise Medical“

* Means the Sunrise Medical facility from which the product was purchased.

Additional Notes For Australia Only:

- i. For goods provided by Sunrise medical Pty Ltd in Australia, our goods come with a guarantee by Sunrise Medical that cannot be excluded under Australian Consumer Law.
- ii. You are entitled to a replacement or refund for a major failure and for compensation for any foreseeable loss or damage.
- iii. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.
- iv. The benefits to you given by this warranty are in addition to your other rights and remedies under a law in relation to the goods to which the warranty relates.

Life expectancy

We estimate a life expectancy of five years for this product, provided that:

- It is used in strict accordance with the intended use as set out in this document.
- All maintenance and service requirements are met.

The estimated life expectancy can be exceeded if the product is carefully used and properly maintained, provided that technical and scientific advances do not result in technical limitations.

The life expectancy can also be considerably reduced by extreme or incorrect usage.

The fact that we estimate a life expectancy for this product does not constitute an additional warranty.

3.0 Brakes

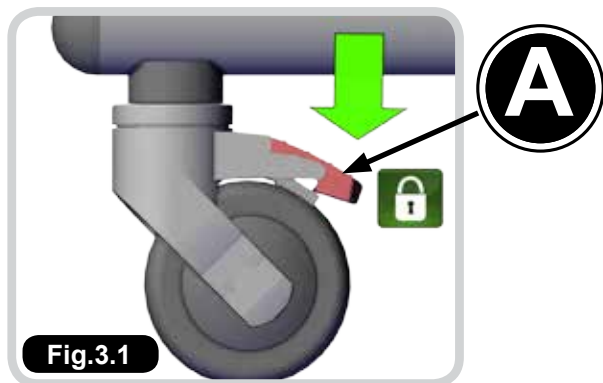
Operating Brakes, (Indoor Base Frames)

⚠ WARNING!

Always apply the brakes when the chair is stationary.

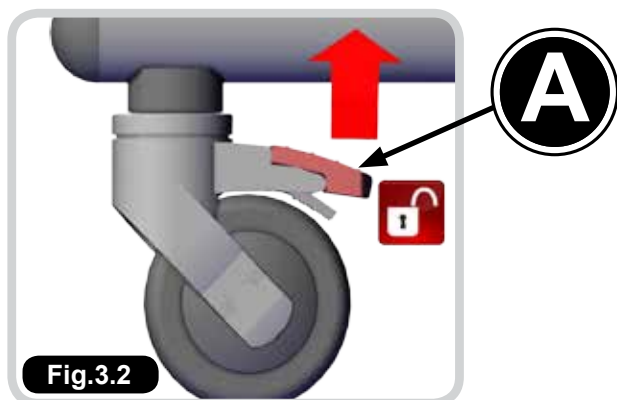
Applying Brakes

Depress lever (A) with your foot. To secure the chair in place you should suppress all the brakes fitted to the wheels on the base. (Fig.3.1).



Releasing Brakes

To release the brakes you should flick the levers up using the top of your foot. When all brakes are released the chair will be free to travel in any direction. (Fig.3.2).

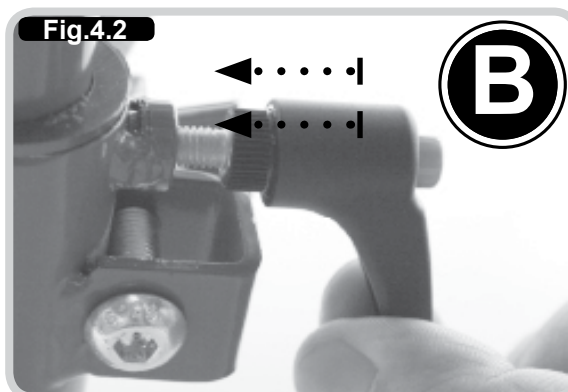
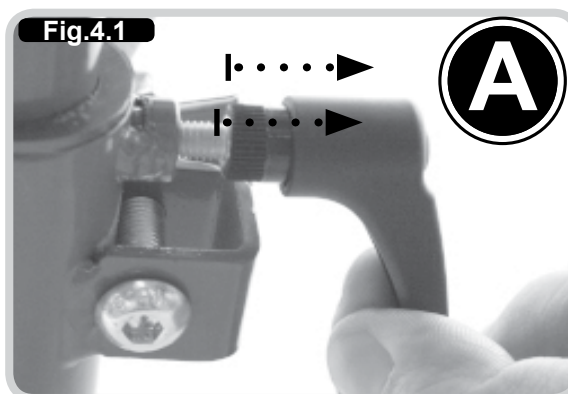


4.0 Lock Levers

Effective Operation of Lock Levers

Never remove these levers entirely as this will prevent you from being able to perform adjustments in the future.

- To use: Turn the lever handle clockwise to tighten or anti clockwise to loosen.
- To use the lever when an obstruction is met: Pull the handle of the lever outwards, towards you (A). This disables the function of the lever, (Fig.4.1).
- Continue to hold the lever out and reposition the lever handle in a suitable position past the obstruction.
- Release the handle to re-engage the lever function (B) and continue to tighten or loosen in the normal way, (Fig.4.2).
- Repeat this procedure in areas where adjustment is restricted due to an obstruction.



5.0 Serial Number Location

Serial Number

The serial number, (Fig.5.1), is located at the rear of the seat beneath the seat cushion, (Fig.5.2 - A) and the rear of the MHT Base (Fig.5.2 - B).

Fig.5.1

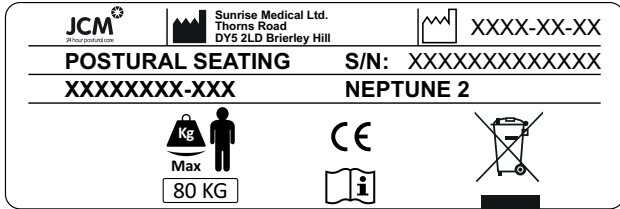
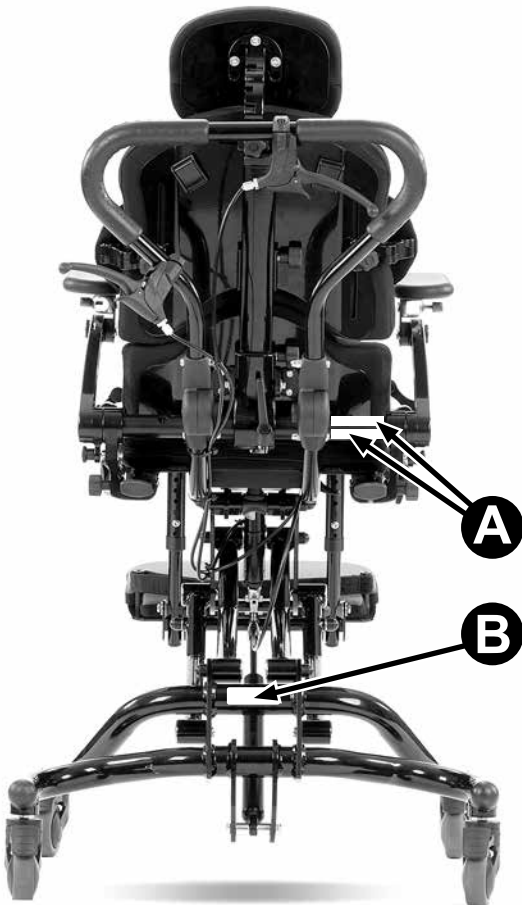


Fig.5.2



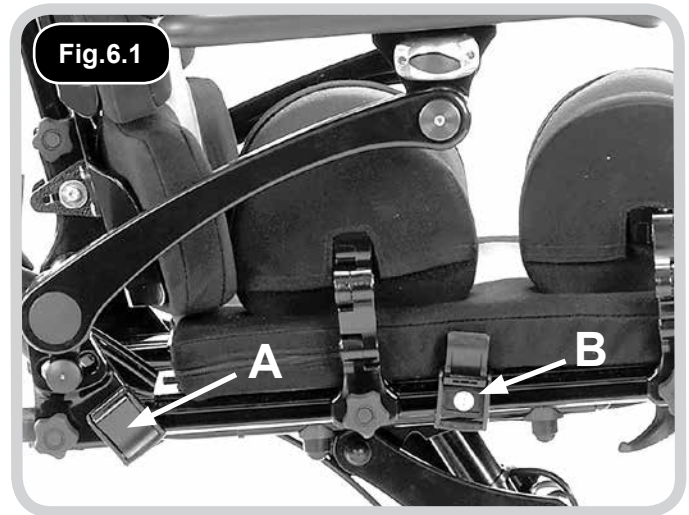
6.0 Lap Strap Fixing Location

DANGER!

Incorrect fitting of lap straps can put the user at serious risk.

The Neptune 2 is fitted with buckles as standard which can be utilised for either 2 or 4 point lap belts. The primary fittings (A) are located on either side at the back of the chair. The secondary fittings (B) are located either side at the front on the underside of the chair, (Fig.6.1).

Fig.6.1



7.0 Chest Harness - Adjustments

Chest Harness

DANGER!

- GREAT CARE should be taken when fitting a chest harness and the following points should always be followed:
- The straps on the harness should never be allowed to move close to or in any way cause an obstruction to the child's neck.
- The straps should never be fitted too tightly and should be clear from any obstruction.
- The sternum strap on the chest harness should always be adjusted prior to use to ensure that it is no higher than the middle of the user's chest, (Fig.7.1).
- A lap strap should always be fitted if a harness is being used to ensure the child cannot slide down onto the sternum strap, (Fig.7.2).
- Always ensure that the belts offer your child both comfort and support. If the child's clothing has been adjusted (i.e. a jumper removed) the straps should be re-adjusted accordingly. (Fig.7.3).



WARNING!

The same precautions highlighted here should be adhered to when using any form of trunk supports or flexi supports with straps.

DANGER!

If there is any possible chance of the child getting the straps caught around their neck, REMOVE THE HARNESS IMMEDIATELY.

8.0 Lap Strap Safety

DANGER!

INCORRECT FITTING OF LAP STRAPS CAN PUT THE USER AT SERIOUS RISK.

Lap Strap Fitting

When using lap straps we recommend the following points should always be adhered to:

The angle that the hip belt is attached to the seating system has a direct effect on the angle of pull on the pelvis.

Considerations:

- A 60° angle of attachment to the seat rail positions the hip belt anterior and inferior to the ASIS, which reduces the tendency of the client with a posterior pelvic tilt to slip underneath the belt.
- A higher angle of attachment of the primary straps encourages a posterior pelvic tilt, which assists in positioning clients with an anterior pelvic tilt.
- The secondary straps of a 4-point hip belt are attached to the seat post between 45° and 90° to hold the primary padded strap in place and to prevent the belt from riding into the abdomen or twisting.
- The angle of attachment may have to be compromised in order to accommodate such situations as wounds in the pelvic area, unstable hip joints or gastric tubes.

Tightening the belt:

Keep belt tightened at adjustment straps during fitting and daily use to ensure correct pad placement.

For padded hip belts the pads are to be touching when correctly tightened. For non-padded hip belts the adjustment strap at the buckle should be approximately 3" (76mm) long. Education of the care giver is essential for correct hip belt positioning.

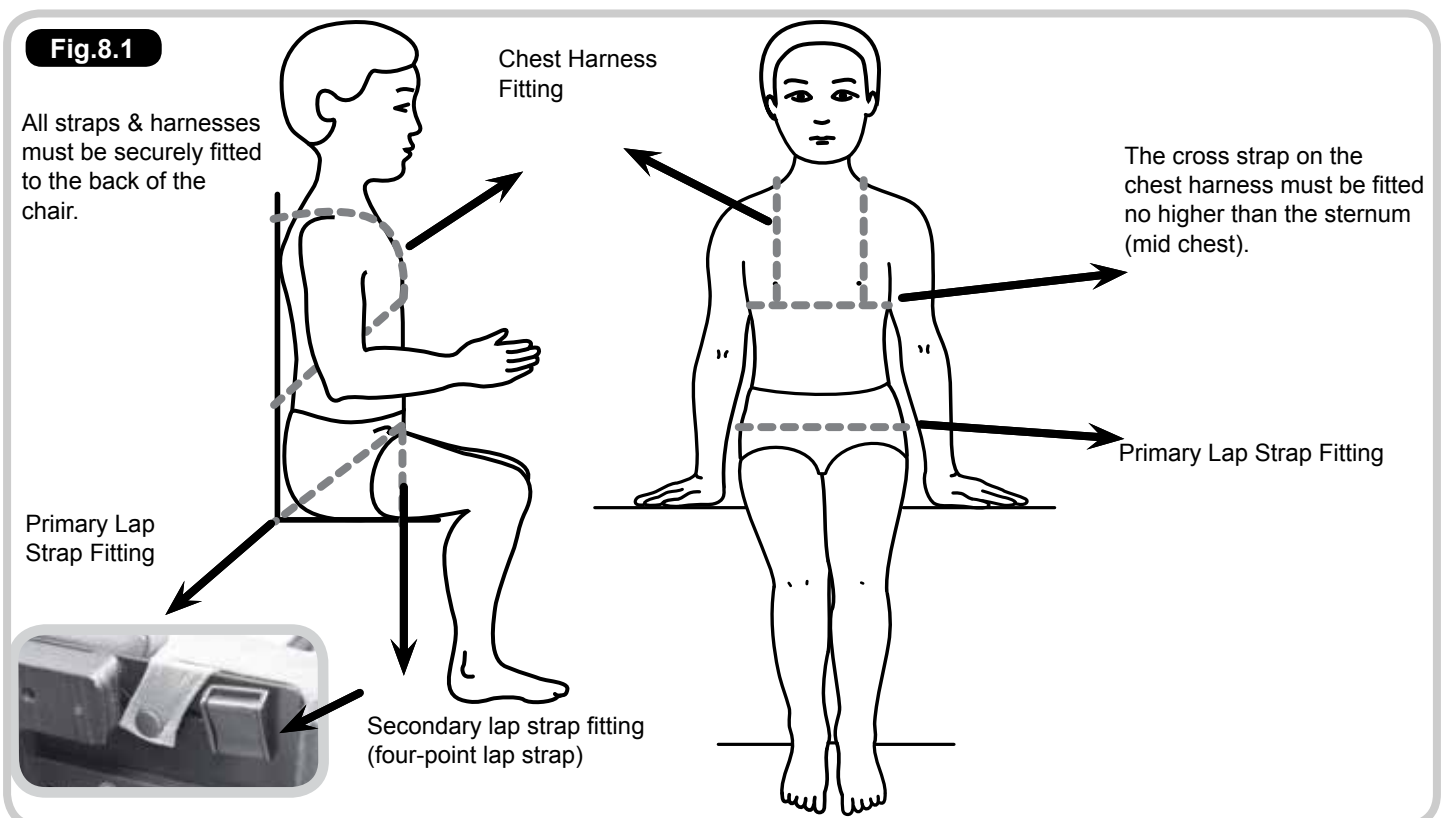
Sizing:

Measure hip width to determine the belt size required. The suggested method for measuring hip width is from trochanter to trochanter. If this is not possible, measure from ASIS to ASIS and add a couple of inches. The correct belt size for the individual has padding that covers all of the bony prominences.

- Always check that the child's pelvis is symmetrical and positioned securely at the back of the seat.
- Always ensure that the lap straps and chest harness hold the child securely and are comfortable. Ensure they provide a snug fit, a simple rule of thumb is to allow two fingers to be inserted between the belt and the child's body.
- Never leave a child in a chair unattended without the lap strap being fastened.
- A lap strap should always be fitted if a harness is being used.
- When altering the angle between the seat and the back of the chair always re-adjust the chest harness and lap strap accordingly to ensure all safety recommendations are followed.

Harness and Lap Strap Positioning

This diagram below shows the recommended positioning of the chest harness and lap straps, (Fig.8.1):



9.0 Seat Depth - Adjustments

WARNING!

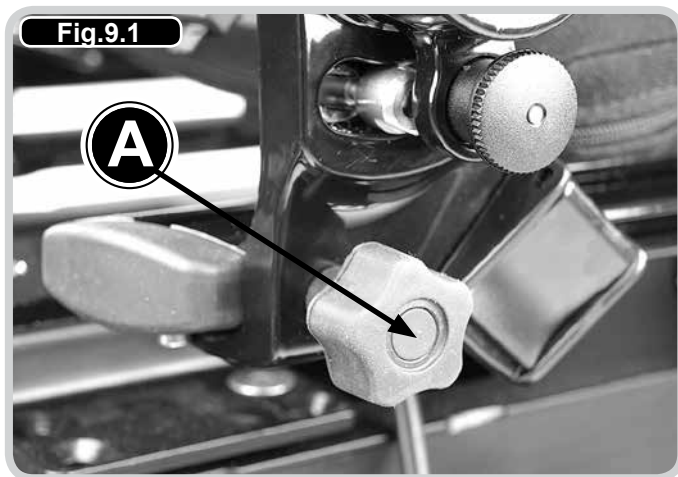
- When mounting the seating system to a base for the first time, or when an adjustment has been made to the size of the system, a stability assessment should be carried out prior to use of the equipment.
- Once you have adjusted the seat length, always ensure these points are firmly fixed and are checked as part of maintenance of the chair.

Adjusting the Seat Depth

- Loosen fixing bolt or wing knob (A) (tool-less option) on both sides of seat. (Fig.9.1).
- Slide backrest forward to achieve desired depth.
- Re-tighten bolt or wing knob.

NOTE:

- When increasing the seat depth it is best to stand at the rear of the chair with the brakes applied and pull the back frame towards you.
- When reducing the seat depth you should do the same whilst standing at the front of the chair.



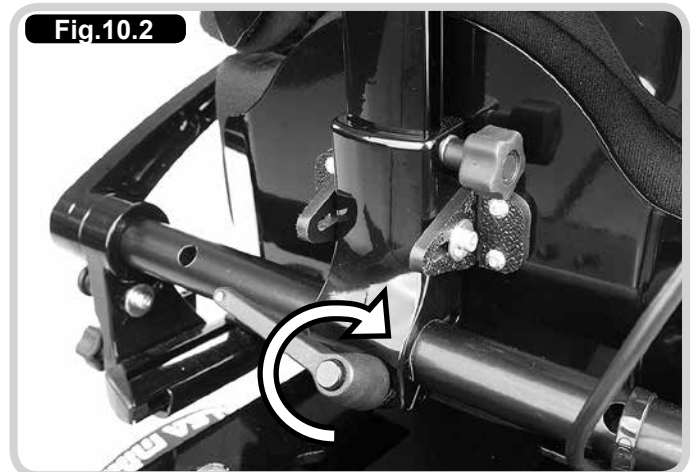
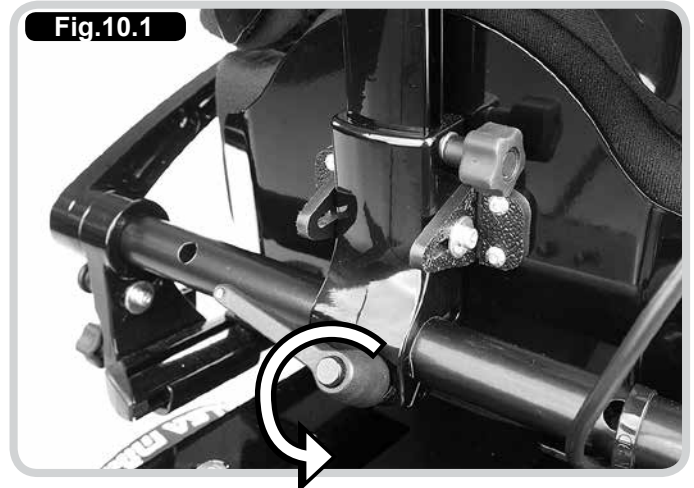
10.0 Back Angle - Adjustments

WARNING!

Always ensure that the back is secure and that the lever is tightened before using the chair.

Adjusting the Back Angle (Fig.10.1-10.2)

- Loosen fixing lever at the backrest whilst supporting backrest.
- Rotate backrest to the desired position by pulling back or pushing forward.
- When the desired back angle has been reached re-tighten the fixing lever.



11.0 Back Height - Adjustments

WARNING!

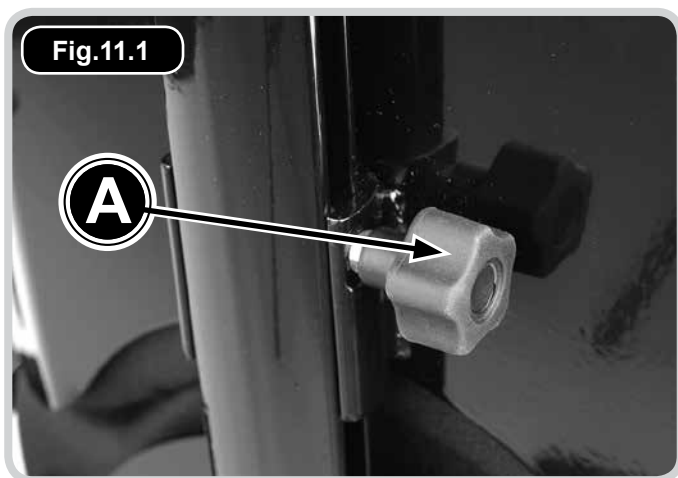
Always ensure that the back is secure and the bolts are tightened before using the chair.

Adjusting the Back Height

- Loosen the hand wheel (A) on the upper back panel by half a turn, (Fig.11.1).
- Slide the panel up or down to the desired Height.
- Tighten the hand wheel securely to fix the back in place.

NOTE:

The hand wheel, (A) may be replaced with screws requiring a 4mm Allen Key.

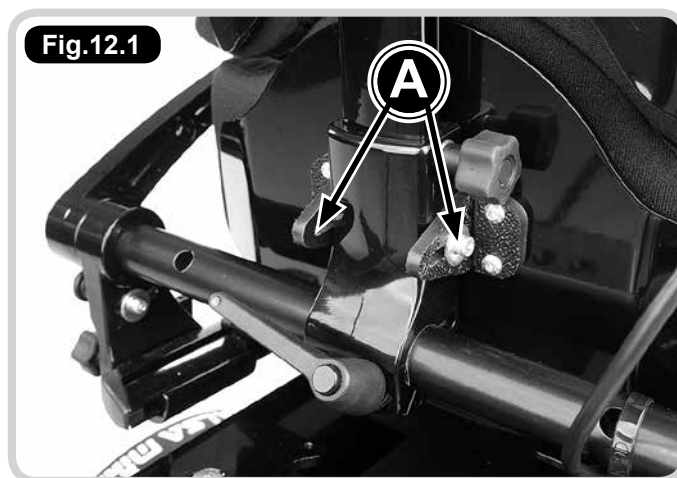


12.0 Sacral Pad - Adjustments

WARNING!

Always ensure that the back is secure and the bolts are tightened before using the chair.

- Loosen fixing wing knobs on either side of the chair to allow the hinge brackets (A) on each side to be moved forward/backwards independently. The hinge brackets can also be rotated vertically (Fig.12.1).
- Gently move the pad to set the desired position of the sacral pad.
- Once in place securely re-tighten the fixings.



13.0 Arm Rest Positioning

⚠ WARNING!

Always ensure that the arms of the chair are secure before using the chair.

Adjusting Arm Height

To adjust the Height of the armrest (Fig.13.1).

- Turn the screw beneath the armrest pivot, this changes the angle.
- Note if the Stop option (B) is fitted this has to be loosened too.

Adjusting Arm Angle

- The arms fitted to your Neptune 2 chair can be altered to sit throughout an angle range, enabling the user to level their tray no matter what tilt the chair is secured at, (Fig.13.2).
- Loose the knurled knob below the arm-pad rotating the pad to achieve angle required
- When a suitable position has been acquired, then re-tighten the knob.

Adjusting Position of the Pad

- To change the position of the pad, remove the fixing screws beneath the pad.
- Move the pad to the desired position and re-fit the screws.

⚠ CAUTION!

The plunger (B) should pull out freely, if resistance is felt ensure no weight is being put through the arm rest.

Adjustable Armrest Lock

For extra safety and security, the Neptune 2 can be fitted with armrest locks, which are optionally available. The armrest lock secures the folding armrests to prevent the user from folding them up involuntarily.

The plunger (B) is situated below the armrest and prevents the armrest from accidentally flipping up.

- Pull the plunger out, to allow the armrest to move
- Push the plunger in, to lock the armrest.

Fig.13.1

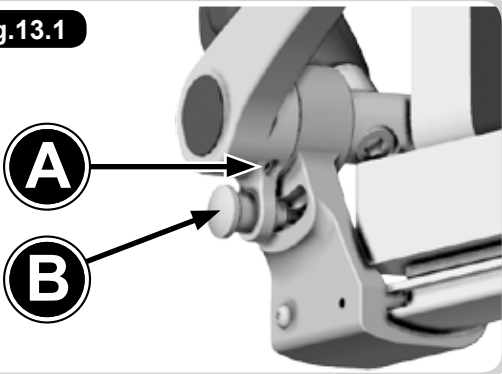
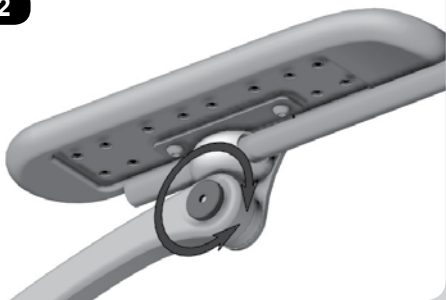


Fig.13.2



14.0 Tray Fitting

⚠ WARNING!

- Always ensure that the arms are fixed in position and the tray is secure before leaving the user unattended.
- Never leave anything hot on the tray while the client is unattended.

Fitting a Tray

- First check that both of the chair arms are positioned at the same height.
- Line up the arms of the tray with the holes on the arms of the chair, (A).
- Slide both arms of the tray through the relevant holes until the desired position is reached, (B).
- Secure the tray in place on both sides via the hand wheels at the side of the chair arms, (C). Do not over tighten, (Fig.14.1-14.3).

Fig.14.1

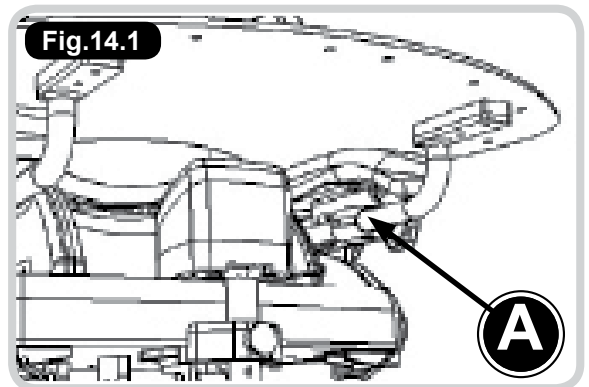


Fig.14.2

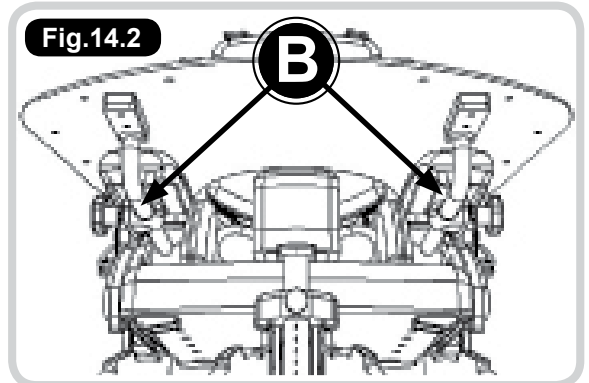
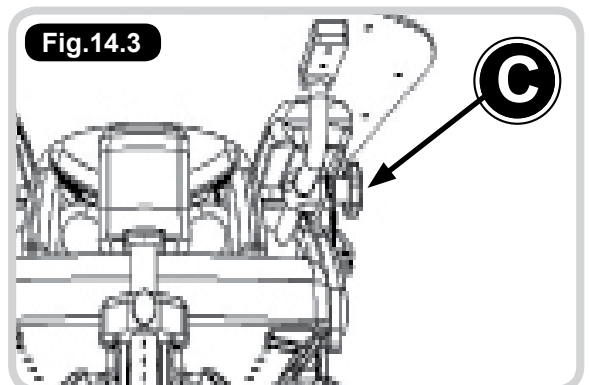


Fig.14.3



15.0 Lateral Support Adjustments

WARNING!

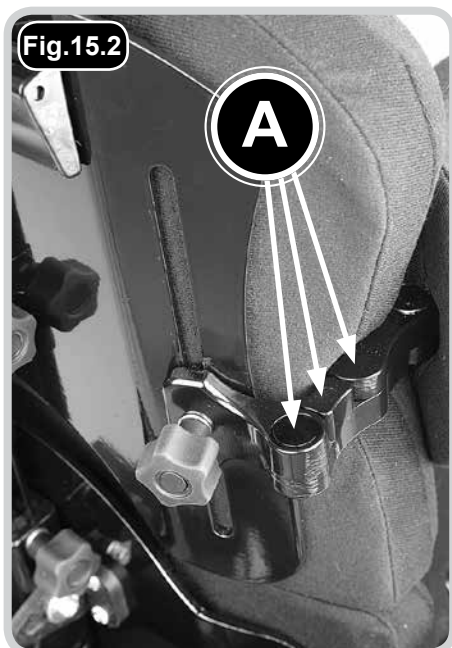
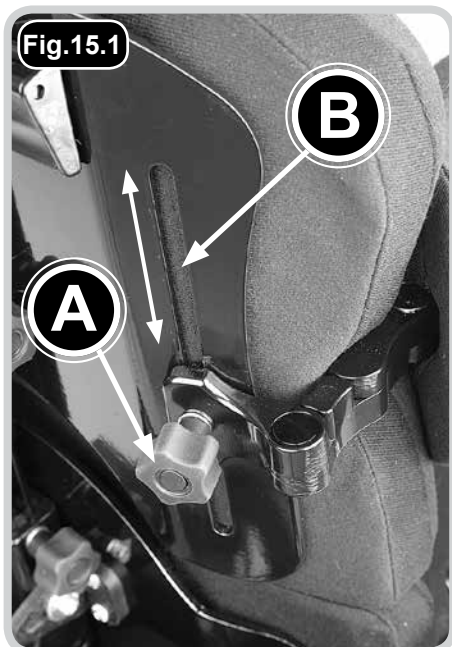
- Check that the supports are not too high under the arms of the user or tight around chest area by running your fingers around the inside of the supports.
- Check that the supports do not infringe on any feeding tubes.

Height of Supports, (Fig.15.1)

- Loosen fixing bolts or wing knob (A).
- Slide the pads up or down along the slot in the seat back (B) to adjust the Height.
- Re-tighten fixing bolts or wing knob to secure the supports in place.

Width of Supports, (Fig.15.2)

- Press the buttons highlighted (A). This allows each link to be rotated relative to the next changing the angle and hence pad width.
- Move the pads to the desired position.



16.0 Head Rest - Adjustment >>>

WARNING!

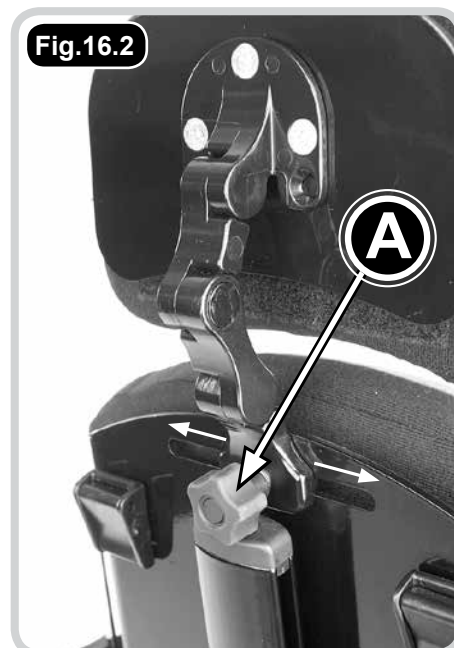
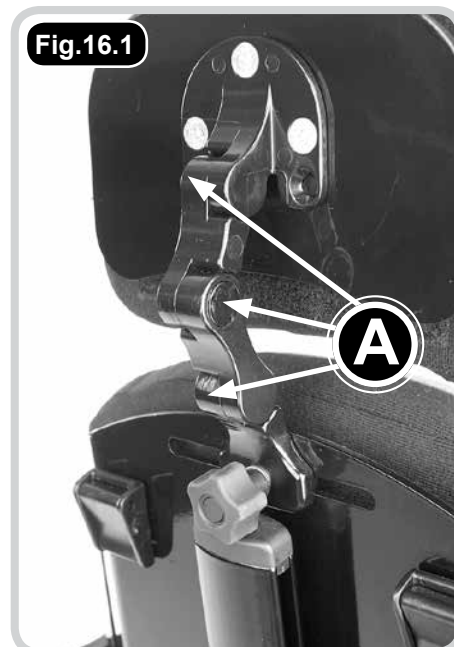
Always check that the headrest is secure.

Adjusting the Headrest Height (Fig.16.1)

- Press the buttons highlighted (A). This allows each link to be rotated relative to the next changing the angle and hence pad position.
- Move the pads to the desired position.
- When a suitable position has been acquired, lock the pad into place, ensuring it fits securely back in place

Adjusting the Headrest Position (Fig.16.2)

- To alter the position of the Headrest laterally, lose the fixing bolt or wing knob.
- Move the pad to desired position.
- Re-tighten fixing bolts or wing knob to secure the supports in place.



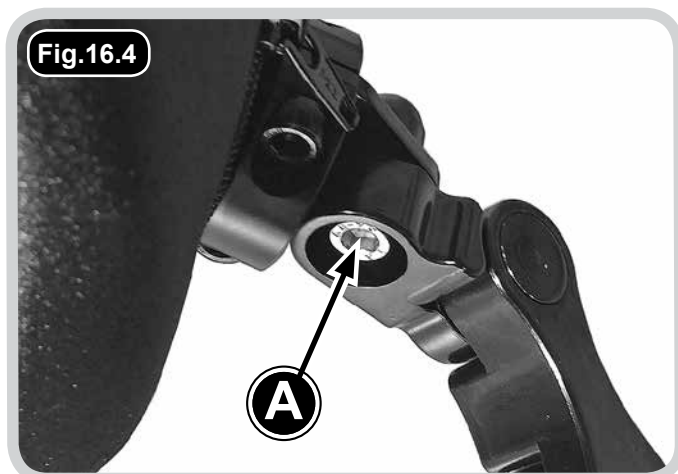
16.0 Head Rest - Adjustment

WARNING!

Always check that the headrest is secure.

Adjusting the Headrest Angle (Fig.16.3-16.4)

- To alter the angle of the Headrest, lose the screw at the mounting of the headrest (A) (only with option Headrest, lateral guidance, multi adj.).
- Move the pad to desired angle
- Re-tighten screw to secure the supports in place.



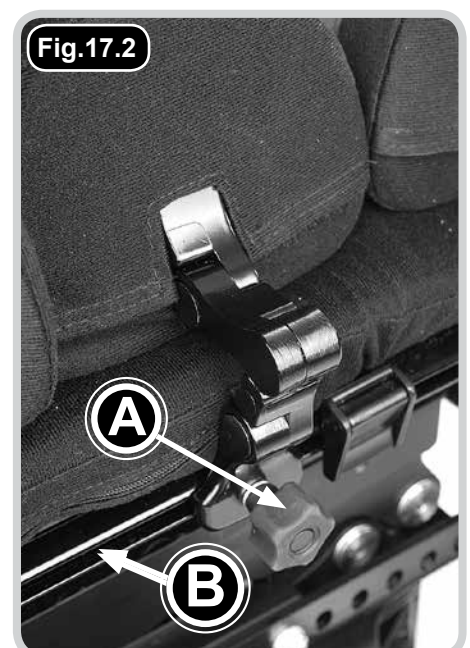
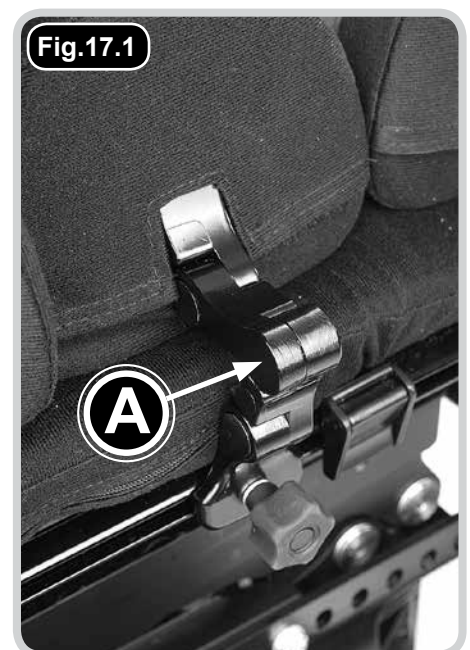
17.0 Hip Pad & Thigh Guide Adjustment

Hip Pad & Thigh Guide Width (Fig.17.1)

- Press the buttons highlighted (A). This allows each link to be rotated relative to the next changing the angle and hence pad width.
- Move the pads to the desired position.
- When a suitable position has been acquired, lock the pad into place, ensuring it fits securely back in place.

Hip Pad & Thigh Guide Depth (Fig.17.2)

- Loosen fixing bolts or wing knob (A).
- Slide the pads forwards or backwards along the slot in the seat side rail to adjust the depth, (B).
- Re-tighten fixing bolts or wing knob to secure the supports in place.



18.0 Pommel Adjustment

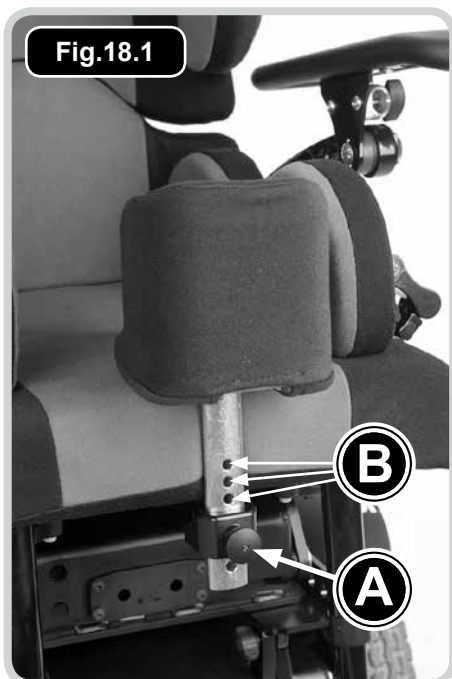
Adjusting Pommel Height (Fig.18.1)

NOTE: The height adjustment can be used for removing the pommel or adjusting accordingly to the height of the chair cushion.

- Pull and hold out plunger (A) whilst moving the pommel up or down to achieve the desired height.
- Release plunger (A) relocating it into one of the holes (B) in the pommel bar. Always ensure the plungers are locked securely in place, before use.
- The pommel can also be removed this way.

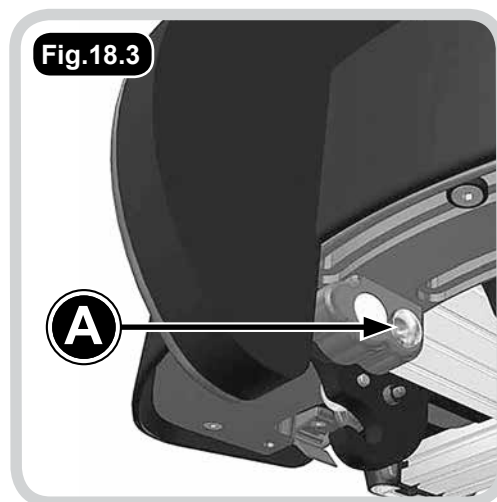
Fore and Aft Adjustment (Fig.18.2)

- Loosen the fasteners below the seat plate.
- Slide the pads up or down along the slot in the seat plate (A) to adjust the position.
- Re-tighten fasteners to secure the supports in place.



18.1 Flip Down the Inner Thigh Pad (To facilitate Transfers)

- Press and Hold Button A (Fig. 18.3), whilst flipping down the inner thigh pad.
- To reengage the inner thigh pad, simply rotate back up and into place until it latches securely.



19.0 Leg Rest Adjustment (Length)

Legrest Length (Fig.19.1)

- Remove the fastener (A) in the stem tube.
- Re-locate into one of the holes in the legrest stem.
- Re-fit fasteners in closest hole.



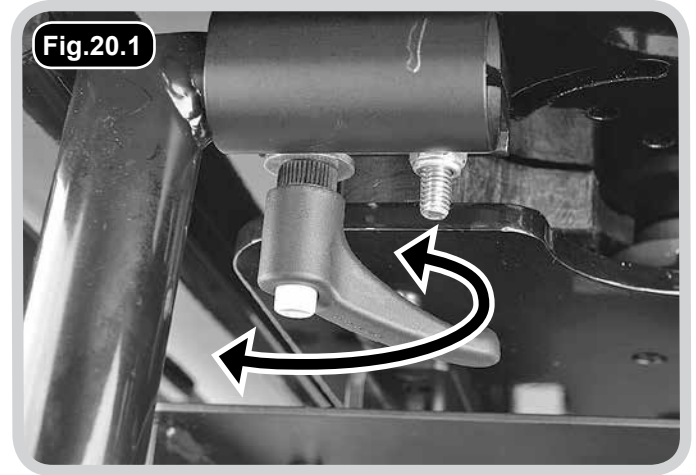
20.0 Leg Rest Adjustment (Angle)

Footplate Angle / Flip Away (Fig.20.1)

- Loosen the locking nut.
- Turn the screw to adjust the footplate angle.
- Re-tighten the lock nut.

Leg Rest Angle adjustment

- Loosen the fasteners below seat plate.
- Rotate leg-rest stem.
- Re-tighten the fasteners.



21.0 Sandal/Foot Strap Adjustment

Sandal Fixing

- Underneath the footplate loosen the central allen key bolt turning anti-clockwise.
- Rotate the sandal to the desired position along slot (E).
- Fix in place by tightening the allen key bolt beneath the footplate.

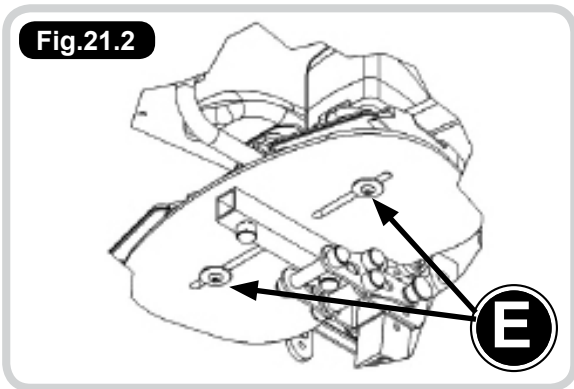
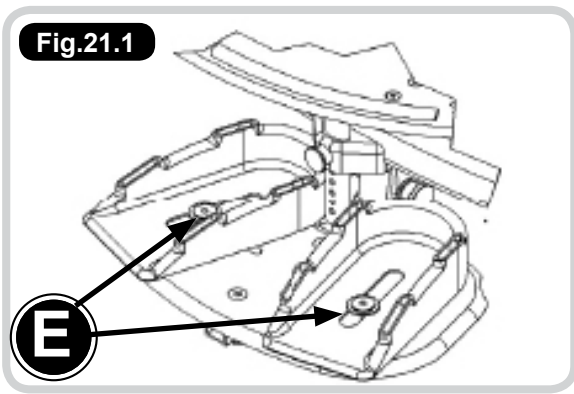
Foot Straps

! WARNING!

Do not use foot straps unless the client is wearing shoes.

Foot straps or ankle supports can be attached through the slots in the sandal to secure feet.

- Feed the strap through the buckle and close the buckle shut to secure.
- Alternatively a fixing kit can be supplied to fit the ankle supports directly to the footplate.



22.0 Manual Seat Height Adjustment (Multi Height & Tilt Base)

! WARNING!

Always ensure the base is stable and that the brakes are applied before performing the following adjustments.

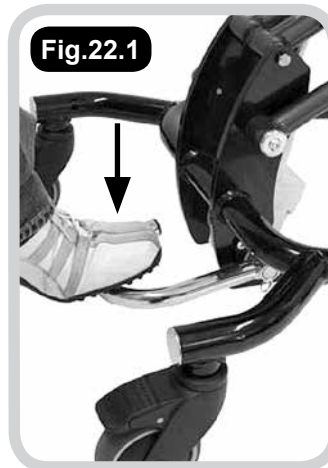
The multi height and tilt base caters for all sizes of Neptune 2. It is controlled by a hydraulic pump mechanism.

To Raise The Chair (Fig. 22.1)

- Pump the foot pedal several times until the desired height is reached. (The chair will raise with each pump.)

To Lower The Chair (Fig. 22.2)

- Place your foot under the pedal and gently lift the pedal up. (The chair will automatically lower.)



RAISE
Pump down on pedal

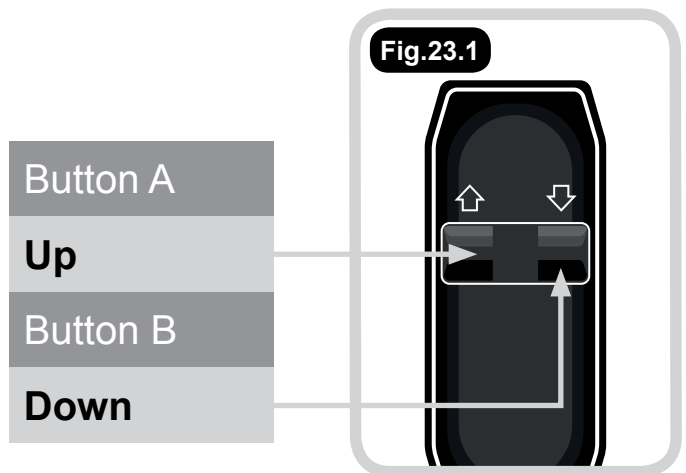


LOWER
Lift pedal up with foot

23.0 Powered Base Height Adjustment (upgrade option)

! WARNING!

Always ensure that adjustment mechanism is free from obstruction before operating this chair.



24.0 Height Adjustment Standard Base

⚠ WARNING!

Always ensure the base is stable and that the brakes are applied before performing the following adjustments.

To Raise The Chair

Located at the back of the chair beneath the base locate the handle (A) and continuously push down to raise the height. The seat height will raise with additional assistance required, dependent upon the weight of the user. Release the handle when the desired Height is achieved.

To Lower The Chair

Use the handle (A) again but this time apply pressure to the top of the seat with one hand whilst pushing down handle (A).

CAUTION!

If you find performing these actions difficult to do simultaneously on your own please get another person to help you.

Fig.24.1



25.0 Tilt In Space (Multi Height & Tilt Base)

⚠ WARNING!

Always ensure the base is stable and that the brakes are applied before performing the following adjustments.

- Release the locking mechanism on the handle by squeezing the small latch (A) up on the handle.
- **To Recline:** Use one hand to squeeze handle (B) and push down the chair handle, at the same time use the other hand positioned on the chair arm or side to help guide the chair into the recline position.
- **To put into Prone:** Squeeze handle (B) and pull the chair handle upwards and forwards. At the same time use the other hand positioned on the chair arm or side to help guide the chair into the prone position.
- Once in position release handle (B) to lock the tilt mechanism.
- Ensure that the latch (A) on the handle moves back into a closed position, this ensures the tilt position is locked in place.

Fig.25.1

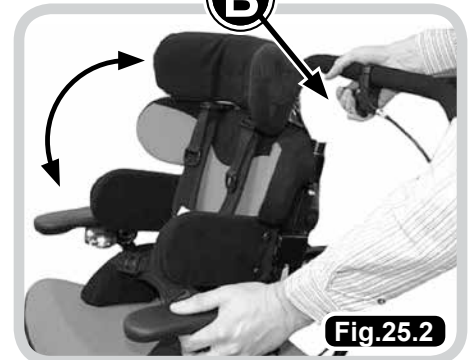
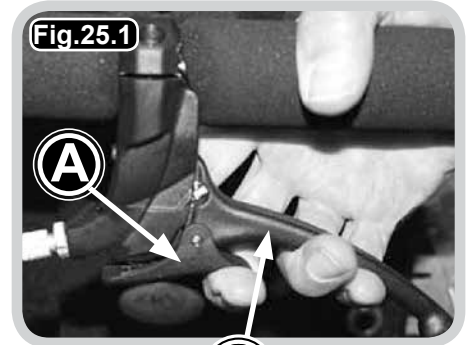
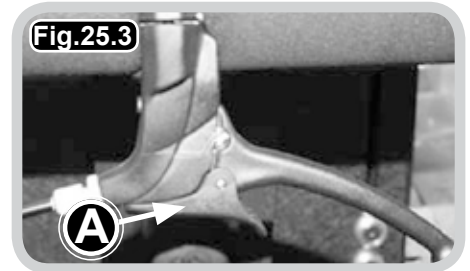


Fig.25.3



⚠ WARNING!

The operator should control the motion of the chair while the squeeze handle is engaged. The amount of support required will vary with the size and weight of the user. We recommend practicing this operation on first use before placing the client in the chair.

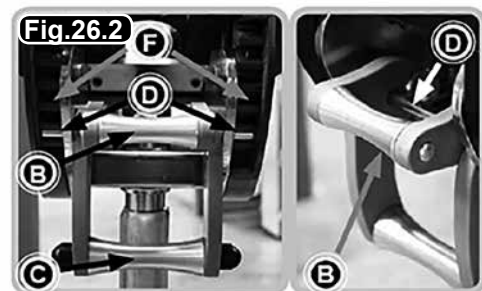
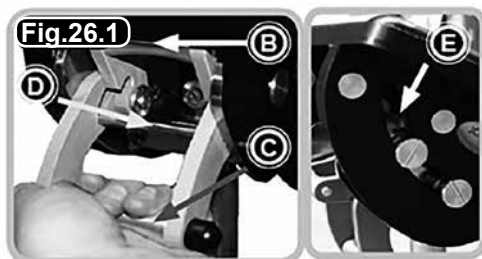
26.0 Tilt In Space Standard Base

To Perform the Tilt in Space on the Standard Base

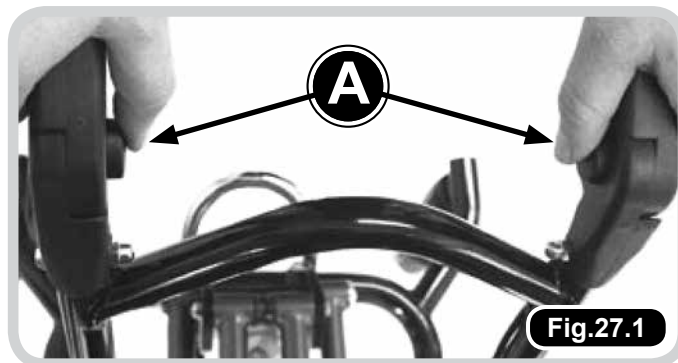
- Lift safety latch (B) up to prepare the base for the tilt adjustment.
- Lift operation latch (C) up until it stops, disengaging bar (D).
- Tilt the base interface to the desired angle. The adjustment range can be seen via the groove at the side of the seat base. When the desired angle has been achieved.

Close operation latch (C) by pushing down until it bar (D) locates securely into a set position groove (F).

- Push down safety latch (B) to prevent accidental operation of the tilt in space.
- Always ensure that the groove on the safety latch (B) is securely located onto the bar (D) to secure the seat into place.



27.0 Folding Push Handle (Multi Height & Tilt Base)



Only use the push handle to move the chair. The push handle should be folded down when not in use.

- Depress both buttons (A) on the inside of the handle.
- Manually alter the position of the handle by pushing the top section down.
- To unfold pull the handle up until you hear a click ensuring it is in place.



28.0 Push Handle Folding and Angle

The push handle should be folded down when not in use.

- Depress both buttons (A) on the inside of the handle.
- Manually alter the position of the handle by pushing the top section up or down.
- To adjust the angle simply re-position and release the buttons.
- To unfold, pull the handle up until you hear a 'click' ensuring it is in place.

! WARNING!

Items should not be placed or hung from the push handle as this can compromise the stability of the base and may lead to injury or damage to the system.

29. Mounting Seat to Base - SM Mushroom Interface

⚠️ WARNING!

Always ensure the base is stable and that the brakes are applied before mounting the seating unit.

⚠️ WARNING!

Please note that the handle fitted will have been specified according to the seat depth of the chair. You therefore need to ensure the handle is positioned to enable the seat to be fully latched back onto the base frame.

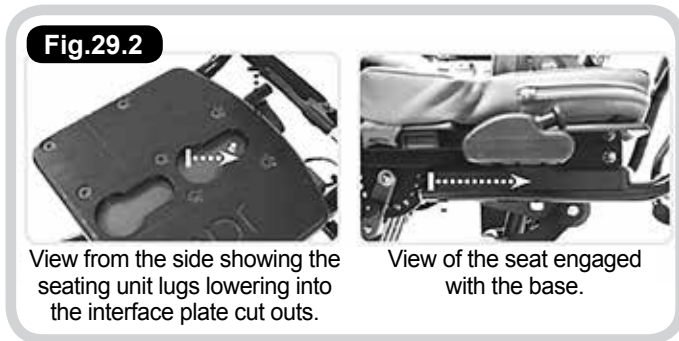
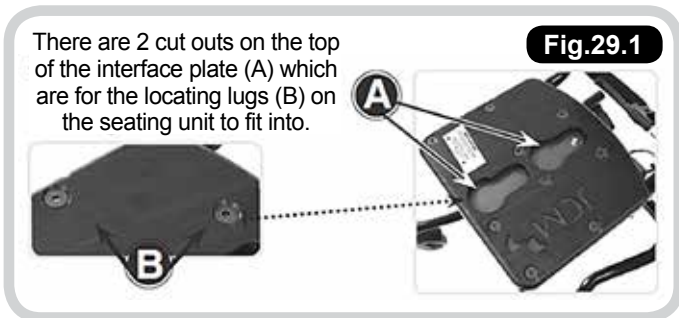
There are 2 cut outs on the top of the interface plate (A) which are for locating lugs (B) on the seating unit to fit into.

Position the seating unit above the interface plate, lining up the locating lugs (B) with the cut outs (A) on the interface plate.

Carefully lower the seat onto the interface plate ensuring the locating lugs (B) slide into the cut outs on the interface plate (A).

Push the seating unit inwards towards the back of the chair until the locating lugs 'click' into place.

Ensure the seat is securely located on the base before using.



⚠️ WARNING!

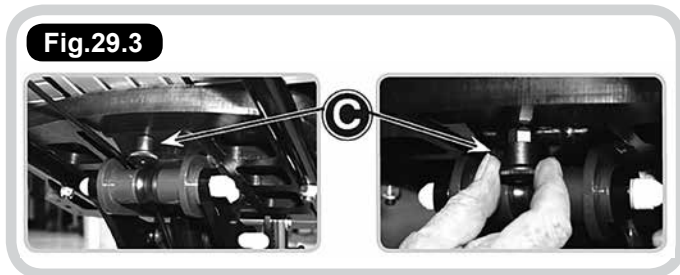
Always ensure that the locating lugs are fully engaged and that seat is securely locked in place and secure on the base before using.

⚠️ WARNING!

When mounting the seating system to a base for the first time, or when an adjustment has been made to the size of the system, a stability assessment should be carried out prior to use of the equipment.

Removal of Seating Unit from Base:

Release index plunger (C) which is underneath the interface plate and slide seat forward to remove it from the base.



30. Mounting Seat to Base - Trapezoid Adapter

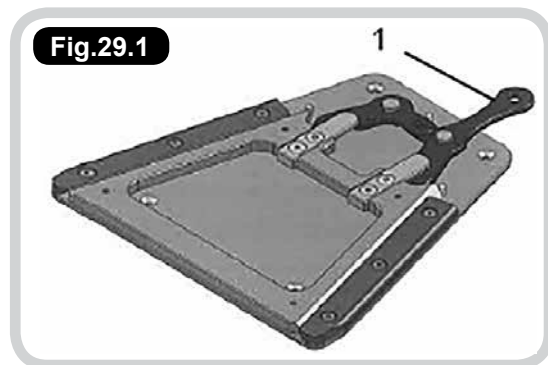
The receiver will be fixed on the seat plate with 6 screws and connects the seat shell to the base. To loose the upper part, move the red lever to the side, (1). To connect the seat shell let the upper part slide into the receiver till it snaps audibly into place.

⚠️ WARNING!

The trapezoid adapter can only work properly if it is attached correctly.

⚠️ CAUTION!

Only use genuine Sunrise Medical approved parts/fasteners.



31.0 Cleaning and Care

We recommend the following points for successful cleaning of your equipment:

NOTE: It is possible that some surface wrinkling may occur following these processes.

Metal Framework

- If all upholstery is removed the metal framework can be cleaned with hot soapy water and detergent or it can be steam cleaned. (Labelling may need to be replaced following steam cleaning).
- Ensure that the framework is thoroughly dried after cleaning.
- Always ensure that any moving or adjustable parts are re-lubricated.

On the Neptune 2 there are two different fabric choices. Regarding cleaning, please refer to the relevant section.

Stirata is a specialist fabric with many inherent properties. It is important to look after the fabric to help maintain its appearance and condition.

- General care: Regular vacuuming and wiping with a damp cloth to remove dust particles
- Spillages: remove quickly with an absorbent dry cloth
- Minor soiling: wipe with a clean damp cloth
- Water based stains: mild liquid detergent with warm water, rinse thoroughly followed by drying with an absorbent cloth. Use cold water for stains produced by bodily fluids.
- Other stains: use proprietary products, following the instructions on the container carefully
- Hypochlorite or Alcohol based solutions: can be used in extreme circumstances (Half a cup of household bleach with 5 litres of water-10,000ppm)
- Steam cleaning: can be completed in situ
- Machine Wash: With care at 40°C. Covers must NOT be turned inside out and the zips MUST be closed. Remove from machine as soon as washing cycle is complete.
- Line Dry
- Iron: If necessary on the face side of the fabric only at medium temperature
- DO NOT DRY CLEAN
- Always pre-test cleaners on a hidden piece of fabric to evaluate the colourfastness and texture of the fabric before proceeding with cleaning
- All soap residue must be rinsed out of the fabric as it will attract further stains

Please note that stains caused by bodily fluids should be removed immediately.

As with all fabrics, stains that have been left in situ for over 24 hours will have set and will become increasingly difficult to remove.

Libra is a specialist fabric with many inherent properties. It is important to look after the fabric to help maintain its appearance and condition.

Most stains can be removed using the wipe clean method.

General care: Regular vacuuming and wiping with a damp cloth to remove dust particles

- Spillages: remove quickly with an absorbent dry cloth
- Minor soiling: wipe with a clean damp cloth
- Water based stains: mild liquid detergent with warm water, rinse thoroughly followed by drying with an absorbent cloth. Use cold water for stains produced by bodily fluids.
- Other stains: use proprietary products, following the instructions on the container carefully
- Hypochlorite or Alcohol based solutions: can be used in extreme circumstances (Half a cup of household bleach with 5 litres of water-10,000ppm)
- Steam cleaning: can be completed in situ
- Machine Wash: With care at 40°C. Covers must NOT be turned inside out and the zips MUST be closed. Remove from machine as soon as washing cycle is complete.
- Line Dry
- Iron: If necessary on the face side of the fabric only at medium temperature
- DO NOT DRY CLEAN
- Always pre-test cleaners on a hidden piece of fabric to evaluate the colourfastness and texture of the fabric before proceeding with cleaning
- All soap residue must be rinsed out of the fabric as it will attract further stains

Please note that stains caused by bodily fluids should be removed immediately.

As with all fabrics, stains that have been left in situ for over 24 hours will have set and will become increasingly difficult to remove.

We recommend the following points for successful cleaning of the metal framework.

- The metal framework can be cleaned with hot soapy water and detergent or it can be steam cleaned. (Labelling may need to be replaced following steam cleaning).
- Ensure that the framework is thoroughly dried after cleaning.
- Always ensure that any moving or adjustable parts are re-lubricated.

32.0 General Maintenance

General maintenance should be carried out by a competent, professional person who is well informed on how to use the equipment (see warranty - page 33) if there is no such person available or a more thorough check is needed, a service via an approved repairer (see opposite) should be booked. The person who carries out the maintenance check or service should always fill out the service history log record (page 32) in order to ensure the warranty remains valid.

As documented opposite, the degree of maintenance required is dependant on various factors relating to the use of the product. In addition to the specific functional adjustment warnings specified in this manual, it should be ensured that a thorough inspection of the following should be completed at no greater than 6 month intervals:

NOTE: Please see the Maintenance Table on the next page.

NOTE: Points listed here are generic across the Sunrise Medical range and do not apply to all products.

| Maintenance Table | |
|---|--|
| Castors | Lift base and check each wheel to ensure it is not damaged, loose or worn. |
| Brakes | Removing any grease or dirt that has built up on the wheels, check that the brakes stop the wheels rotating. Check they are securely fixed in place & that there are no signs of damage or wear & tear. |
| Pushing Handles | Ensure handles are functioning correctly. Check there are no signs of damage or wear and tear. Ensure push handle grips are secure. |
| Seat Tilt In Space Mechanism | With the tilt lock released check for free movement with no signs of damage or wear to the mechanism, lever or cables. Tighten the lock and ensure it holds the seat angle. |
| Base Height Adjustment | With the seat unloaded, press the lever & ensure it moves freely to the maximum height. In incremental stages add weight up to the maximum load (40, 60, 80 or 100kgs) and, over a period of time (approx 10 - 15 minutes), check that there is no creep (lowering) of the seat. If it is not practical to perform this test, as a minimum requirement, immediately following the maintenance check, the static position of the seat should be monitored whilst a user is positioned in the system. With the load on, press the lever & ensure the seat travels freely to the lowest position. |
| Seat / Backrest Upholstery | Check the attachment points of the seat and backrest upholstery are tight. Check for worn covering. Rough worn upholstery can cause discomfort, would be difficult to keep hygienically clean, and may cause skin irritation. |
| Interface | Check there are no signs of damage or wear and tear. Ensure the function secures the seating unit properly. |
| Frame With correct maintenance the frame should provide at least 5 years trouble free use but, depending on conditions of use, wear will occur and a thorough inspection is recommended. | Check all metal parts to ensure there are no signs of damage or wear and tear, paying particular attention to adjustable or moving parts. Check there are no signs of failure in joints and welds. Check tightness & security of all fixings, bolts, nuts, spring loaded pegs, & other fitments. Check for signs of fatigue wears, replace parts that show signs of wear or repeatedly becoming loose. ANCHOR POINTS (where applicable) for transportation must be checked to ensure security, check there are no signs of damage, wear and tear or failure. |
| Fixtures | Check arm pads and headrest and replace if worn. |

33.0 Servicing by Approved Dealer

What should be completed during a service?

A service is a comprehensive combination of inspection, maintenance and repair or replacement of worn, faulty or missing components. The growth and any changes of the occupants needs since the original assessment is taken into account when performing the service. This is in contrast to general maintenance (opposite), where only straightforward checks, inspections and adjustments take place and primary services are planned.

What happens if a fault is found?

If any faults are found that could prove to be a risk to either the user or the operator then all use of the equipment should be ceased immediately until the product has been repaired.

Who should carry out the service?

It is stressed that only a Sunrise Medical approved repairer or a person with competent training of a Class 1 medical device should carry out this work.

Any modifications must not be carried out without prior agreement of Sunrise Medical Seating Solutions Ltd. It must be understood that unauthorised modifications may pose a risk to users and attendants. Unauthorised modifications will also invalidate the warranty.

Any new parts required should be genuine Sunrise Medical Seating Solutions Ltd. approved parts, fitted to Sunrise Medical specifications.

Frequency of Service

Sunrise Medical recommend that a service of this product is completed once every 6 months as a minimum. However, the frequency of inspection and service must be altered depending upon the severity of use. If the system is used in any of the following ways then the use could be said to be fairly heavy and constant. Therefore we would recommend the service interval be reduced to once every three months;

- Daily for around 8 to 10 hours.
- Weekly for at least 6 days out of 7.
- Monthly for at least 11 months a year.
- By an active user or somebody who is very active voluntarily or involuntarily.
- By a user who is above 80% of the maximum user weight recommended.
- Transported in a moving vehicle twice or more in a day.



CAUTION!

If the usage exceeds the amount highlighted above it is possible that services every six weeks or less might be needed.

How To Book A Service

Sunrise Medical have specified technicians trained to service our products. If you would like Sunrise Medical to service your product or for further information please contact your authorised Sunrise Medical dealer.

See "Dealer Signature and Stamp" box in the Definitions section, or use our address in the Introduction section.

34.0 Service Record Log

This log is an important record of usage and care of the product. It is a primary tool in predicting the need for further service and maintenance. It should be completed each time an inspection, service or any other significant manipulation has taken place. Sunrise Medical Seating Solutions Ltd. will require proof of service for any warranty claims or orders.

Seating system serial number _____
Date delivered _____ / _____ / _____
Battery use by date _____ / _____ / _____

| Date | Serviced Performed | Organisation | Print Name & Sign |
|------|--------------------|--------------|-------------------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

Please contact Sunrise Medical if additional log sheets are required.

35.0 Inspecting and Reissuing of Equipment

Most Sunrise Medical Seating Solutions Ltd. products are individually assessed for a client prior to issue. They are handed over in a controlled way to ensure optimum fit and specification, checks are completed and any additional individual verbal instructions given. We therefore recommend the following points are adhered to prior to any re-issue of equipment:

Cleaning

Follow a rigorous process of cleaning in order to decontaminate the product and eliminate the chance of cross infection.

Assessment of Fabrics / Foams

Carefully assess the condition of fabrics and foams in the seating product, and have these replaced partially or even completely if need be. In severe cases if the chassis is worn and the seating in poor condition it may be necessary to have the product re-furnished by the manufacturer. In very severe cases if the chassis is badly worn and the seating in very poor condition then the product should be decommissioned and disposed of.

Electrical and Electronic Equipment Decommissioning

If your product is set up with an electrical function you should always contact Sunrise Medical or your authorised representative for de-commissioning information.

Appropriateness of Equipment

Check that the equipment supplied is appropriate for the needs of the user taking age, weight, ability, diagnosis, and any other important factors into account. For instance, Sunrise Medical Seating Solutions Ltd. products may not be suitable for persons with severe challenging patterns of behaviour. Also ensure safe specified limits for use are not exceeded by the new user. Your sales representative can advise on the suitability of the equipment.

Manuals and Records

Ensure this instruction manual and any additional manuals for the seating unit are handed over to the new user with the equipment and ensure the servicing log history is up to date. Records on the new user must be updated to maintain traceability.

Inspection

The equipment should have a rigorous inspection prior to the reissue, to include the points covered in the six monthly routine check, regardless of if the checks were recently completed. The equipment should be free of excessive wear or distortion in any aspect of its main construction or accessories.

Condition

Wheels, tyres and brakes must be in good working condition, properly adjusted and inflated as appropriate.

Accessories

Check all accessories carefully for damage and potential shortcomings which may pose a risk to the user.

Function

Ensure that all the functions of the chair are working correctly e.g. tilt in space, height adjustment, back recline, folding etc.

Fixings

Check that any knobs, hand wheels, nuts, bolts, levers and fixings are in good condition and fitted in place securely.

Modifications

Any special modifications, adaptations, alterations or other such procedures including added accessories may require review. If they are found inappropriate, remedial action (if considered safe and practical) should be taken to reverse them if possible.

Labelling

Any labelling specific to the previous user should be removed and replaced with labelling specific to the new user.

Adjustment

Adjustment of the equipment to the new user must be carried out by suitably qualified and experienced professionals. These adjustments along with the other appropriate checks and tests should be completed with the owners knowledge and agreement.

Hand Over

Competent handing over of the equipment to the new user or attendant must include proper training and advice in safe use, particularly regarding transportation issues.

Packaging

Always ensure that the chair is packaged correctly before delivery.

Handle Fitting

Please note that the handle fitted is dependent on the size of the chair. You therefore need to ensure the size label on the handle matches the size of the chair being used.







UK = www.SunriseMedical.co.uk

DE = www.SunriseMedical.de

FR = www.sunrisemedical.fr

IT = www.SunriseMedical.it

NL = www.SunriseMedical.nl

ES = www.SunriseMedical.es

PT = www.SunriseMedical.pt

SE = www.SunriseMedical.se

NO = www.SunriseMedical.no

DK = www.SunriseMedical.dk

CH = www.SunriseMedical.ch

CZ = www.medicco.cz

PL = www.Sunrise-Medical.pl

EU = www.SunriseMedical.eu

AU = www.sunrisemedical.com.au

US = www.SunriseMedical.com

