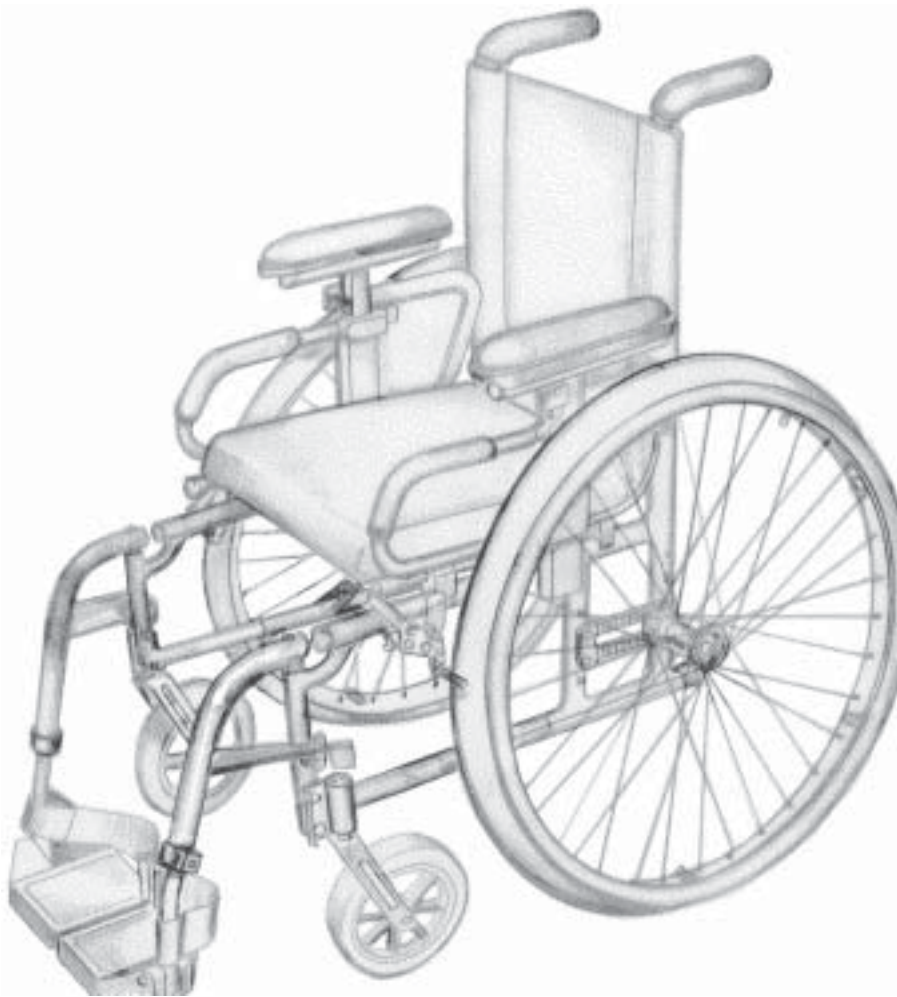


▷ **QUICKIE 2** range

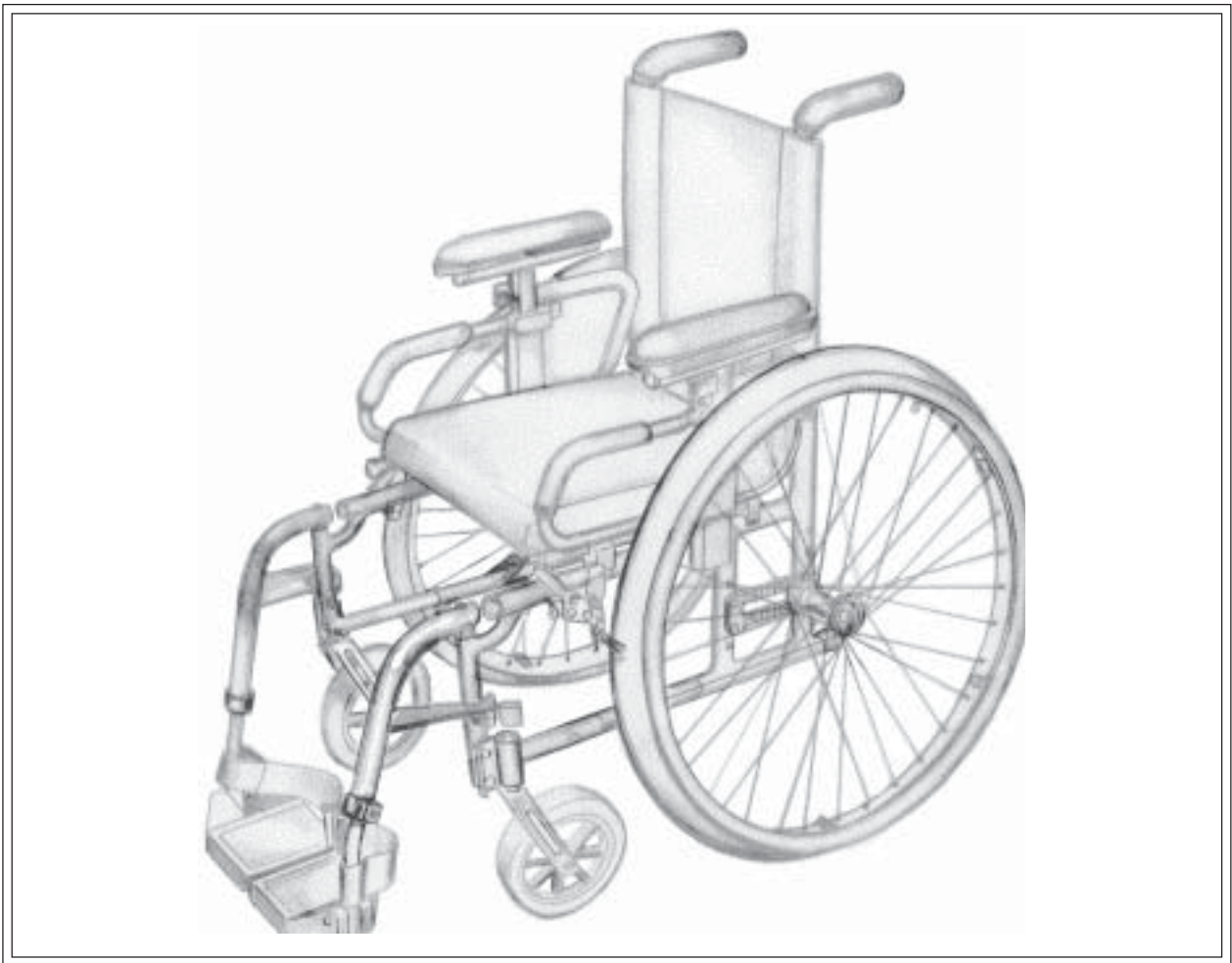


Owner's Manual



ENGLISH





How to use this manual

We at Sunrise Medical want you to get the best out of your Quickie 2 wheelchair. This Owner's Manual will familiarise you with the chair and its features. It contains hints on everyday usage and general care in addition to information on the high quality standards which we adhere to and details about the guarantee. This manual gives information on all features without stating whether they are optional or standard. For this information refer to the order/prescription form or your prescriber/supplier.

Your wheelchair will reach you in excellent condition having been personally inspected before leaving our factory. By following the guidelines for maintenance and cleaning on pages 42-43 your wheelchair will maintain its first class condition and give you complete satisfaction.

For ease of use ⚠ Warning denotes a risk of personal injury or damage to your chair and ➡ indicates points which will improve the performance and safety of your chair.

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Introduction

Sunrise is dedicated to providing products of exacting quality which conform fully and reliably to the requirements of their intended use.

This wheelchair is to be used to aid individuals with limited or no personal mobility. The Quickie 2 range is suitable for both indoor and outdoor use.

The maximum user weight for the adult chair is 113kg (250lb), and 65kg (143lb) for the kids version.

Sunrise is accredited to BS EN ISO 9001, which is the internationally recognised standard for quality management systems. This approval ensures we provide quality in all areas of our business from development through to final delivery.

 This product is manufactured to comply with the 'Medical Device Directive' 93/42/EEC.

If you have any queries about the use, maintenance or safety of your wheelchair please contact your wheelchair prescriber/supplier. Sunrise Medical will be pleased to answer any other questions that you may have and can provide a list of approved Sunrise Medical agents on request to:

SUNRISE MEDICAL LIMITED
HIGH STREET WOLLASTON
WEST MIDLANDS DY8 4PS
ENGLAND

Telephone 01384 44 66 88 Fax. 01384 44 66 99

International Telephone +44 1384 44 66 88 Fax.+44 1384 44 66 99

www.sunrisemedical.co.uk

Serial Number:

Inspected by:

Your local dealer:

Your local dealer:

Guarantee

Your guarantee

The guarantee form is included in the Sunrise Pack, which accompanies the chair on delivery. Please fill in the relevant details and return to us to register your entitlement. The guarantee is for your information.

THIS IN NO WAY AFFECTS YOUR STATUTORY RIGHTS.

Sunrise Medical guarantees the frame on Quickie wheelchairs against defects in materials and workmanship for the lifetime of the original purchaser.

All Quickie wheelchairs, parts and components (including frame components, axle plates, castors, armrest, backrests etc.) are guaranteed against defects in materials and workmanship for one year from purchase date.

Warranty conditions

- 1 This warranty does not affect the statutory rights of the Customer but if the Customer wishes to have the benefit of the Company's warranty the Customer must comply with the provisions set out below.
- 2 In the event of a defect in the goods supplied becoming apparent within the warranty period which commences from the delivery date the Company either itself or by an authorised dealer repair agent will effect any necessary repair or replacement of parts free of charge on condition that the Customer complies with the following provisions of this warranty.
- 3 Any part repaired or replaced during the warranty period is warranted for the remainder of the duration of that period.
- 4 The arrangements for repairs and service and the designated repairer will be notified to the Customer by the Company and will be confirmed at any time on request.
- 5 ON A DEFECT OCCURRING DURING THE WARRANTY PERIOD THE CUSTOMER MUST NOTIFY THE DESIGNATED REPAIRER IMMEDIATELY GIVING FULL INFORMATION AS TO THE PROBLEM AND NO USE MUST BE MADE OF THE GOODS AND NO ALTERATION OR UNAUTHORISED REPAIRS MADE TO THE GOODS PRIOR TO INSPECTION BY THE DESIGNATED REPAIRER.
- 6 If the Customer is operating the Goods away from the locality of the designated repairer the Customer must contact the Company to obtain the name and address of another repairer authorised by the Company. If the Customer is operating the Goods outside the UK the Customer must bear the transport, insurance and packaging costs incurred in having the Goods repaired or replaced by an authorised repairer of the Company.
- 7 Items of a consumable nature will not normally be covered during the 12 month warranty period unless such items have suffered undue wear as a direct result of an original manufacturing defect. These items include amongst others, lubricants, motor brushes, upholstery, tyres, inner tubes, brakes and similar parts. Batteries will be covered by the warranty only where they have been charged and maintained fully in accordance with the manufacturer's recommendations.
- 8 Under normal circumstances no responsibility will be accepted where the goods have required repair or replacement as a direct result of:
 - a) The goods or part not having been maintained in accordance with the manufacturer's recommendations, where such exist and using only the specified original equipment parts.
 - b) The goods or part having been damaged by neglect, accident or improper use.
 - c) The goods or part having been altered from the manufacturer's specifications, or repairs having been attempted prior to the designated repairer being notified.
 - d) Fair wear and tear.

Please keep a note of your local service agent's address and telephone number in the space provided on the previous page. In the event of a breakdown, contact them and try to give all relevant details so they can help you quickly.

The wheelchairs shown and described in this manual may not be exactly the same in every detail as 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.

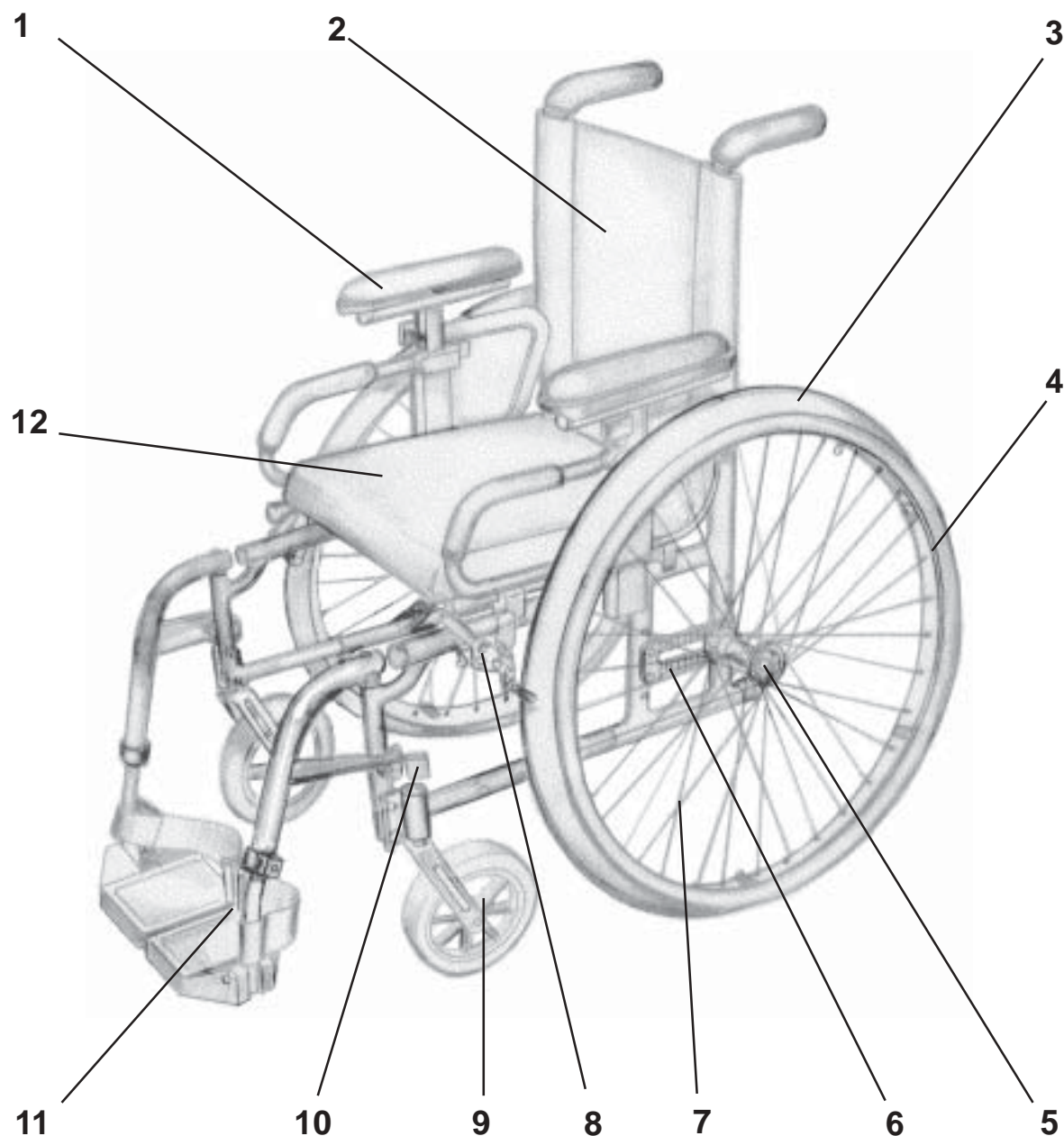
Please remember to fill in and post the guarantee registration card enclosed with this manual. **Sunrise Medical Limited** recommend that you do not undertake maintenance tasks other than those explained in this manual. Your local approved Sunrise Medical service agent is fully trained by Sunrise Medical to carry out detailed maintenance as and when required. **Use only genuine Sunrise Medical replacement parts.**



Sunrise Medical Limited

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Features and options



- 1 Armrests, height adjustable shown.**
- 2 Backrest.**
- 3 Pneumatic tyre.**
- 4 Aluminium handrim.**
- 5 Quick-release axle.**
- 6 Adjustable axle plate.**

- 7 X spoked wheel.**
- 8 Wheel lock.**
- 9 Castor assembly.**
- 10 Swing-away release catch.**
- 11 Flip up footrests.**
- 12 Seat cushion.**

Safety tips

Anti-tip tubes

Under normal use, anti-tip tubes will prevent the wheelchair from tipping over backwards. Anti-tip tubes are available from your local wheelchair prescriber/supplier. Sunrise Medical recommends anti-tip tubes for first time and less experienced wheelchair users.

Tyre pressure

Ensure that pneumatic tyres are properly inflated. The correct tyre pressure is 450 kilopascals/ 4.5 bar(65psi) for the rear wheels and 250 kilopascals/2.5 bar (36 psi) for the castors (front wheels). Low tyre pressure may allow the rear wheels locks to slip.

Armrests

Always secure swing-away or height adjustable armrests before using the wheelchair. Never lift the wheelchair by the armrests. These parts are detachable and lifting the wheelchair by them may cause damage to the chair and/or injury to the user.

Transfers

Guidelines on how to do a side transfer are provided in this manual, however, this is only one method of transfer and you should work with your wheelchair prescriber/supplier to develop a technique which best suits your abilities.

Wheelies

Doing a wheelie (tilting the wheelchair backward to its balance point) is dangerous, as the chair may tip over. Wheelies should only be performed by experienced users. Do not attempt to learn or practice this manoeuvre without the aid of an attendant.

Footrests

The lowest point of the footrest plates should be at least 63mm (2½") from the ground to allow proper clearance. Never stand on the footrests because the chair may tip over.

⚠ Warning:

Never lift the wheelchair by the swing-away footrests, or elevating legrests or armrests. These parts are detachable. Lifting the wheelchair by them may cause damage to the chair or injury to the user.

Kerbs, inclines, obstacles and ramps

Always practice with a qualified attendant before attempting to negotiate kerbs, inclines or ramps alone. It is important for you to develop safe techniques suited to your abilities. Do not attempt to go up or down inclines greater than 10% (1 in 10).

Folding your chair

Opening

Tilt the wheelchair towards you far enough to take the weight off the opposite wheel (Fig. 1). Push down with the palm of the hand on the crossbrace (1) closest to you until the wheelchair has completely opened. Allow the chair to return to an upright position on all four wheels. Complete the opening procedure by now standing in front of the chair, placing the palms of your hands on both seat rails, and pressing down making sure the seat rail snaps into the rail saddles (2).

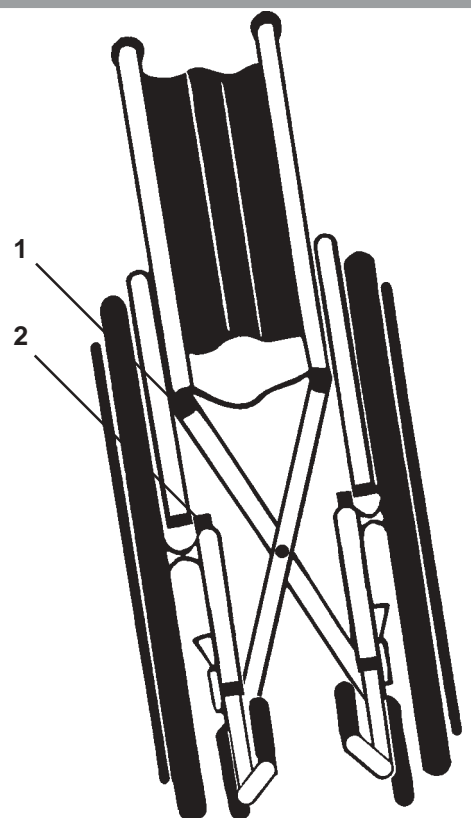


Fig. 1

Folding

Flip up the footplates to a vertical position (Fig. 2) before folding the wheelchair. Standing to one side of the chair, reach down and grasp the seat sling at both the front and the back between your hands. Lift sharply to disengage the seat sling rails from their frame saddles. Once disengaged continue with an upward lift until the wheelchair is completely folded.

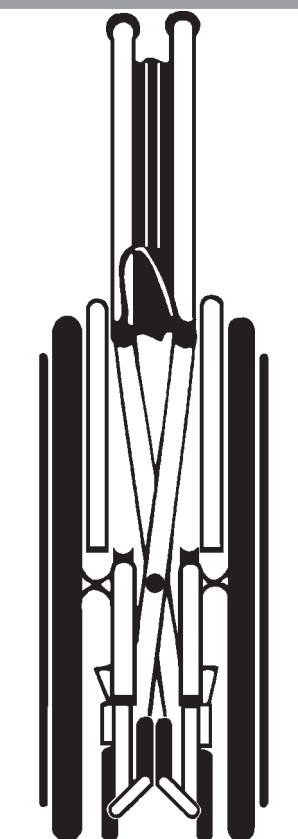


Fig. 2

Using your chair

Water, snow and ice

Contact with water, snow or ice may affect the performance of your wheelchair.

1. Never use your wheelchair in a pool or other body of water.
2. If your chair becomes wet, or if you use water to clean it, dry the chair thoroughly as soon as you can.

When you need assistance

⚠ Warning:

If you fail to heed the following warnings, a fall or tip over may occur and cause severe injury to you or to your attendant.

For the Rider:

You should make sure that persons who assist you, read and follow all warnings and instructions that apply to that use. Before using this chair each attendant must know what to do to ensure safety.

For Attendants:

1. Put the rider at ease. Tell the rider what you plan to do and explain what you expect the rider to do.
2. Work with the rider's doctor, nurse or therapist to learn safe methods best suited to your abilities and those of the rider.

3. Always use good posture and proper body mechanics. When you lift or support the rider or chair, bend your knees slightly and keep your back as upright and straight as you can.
4. Unlock and rotate anti-tip tubes up out of the way, to avoid a trip or fall, when operating the chair from the back.
5. Always lock the rear wheels and lock anti-tip tubes in the down position if you must leave the rider alone, even for a moment. Doing so will reduce the risk of a tip over or loss of control of the chair.

Centre of balance

⚠ Warning:

The point where this chair will tip forward, backward or to the side depends on its centre of balance and stability. If you fail to heed these warnings a fall or tip over may occur and cause severe injury to you:

1. The most important adjustment to your chair is the position of the rear axles. The further you move the rear axles forward, the more likely it is that your chair will tip over backward.
⇒ Consult your doctor, nurse or therapist to find out what axle position is best for you.

Using your chair

Centre of balance (continued)

2. Changing the setup of this chair increases the risk of a fall or tip over. Be very careful if you make a change to any of the following:
 - ⇒ The position of the rear axles, the distance between the rear wheels or the amount of rear wheel camber.
 - ⇒ The distance between the centre of the front castors and rear wheels and the angle of the castors.
3. To avoid a fall or tip over you should:
 - ⇒ Have someone help you until you know the balance points of your chair and how to avoid a tip over.
 - ⇒ Use anti-tip tubes until you are sure you are not at risk to tip over.
4. The centre of balance and stability of your chair are also affected by:
 - ⇒ A shift in your body position, posture or weight distribution.
 - ⇒ Riding your chair on a sloped surface.
 - ⇒ Fitted seating systems.

Refer to the sections that follow to learn how you can reduce the risk of a fall or tip over by proper use of this chair.

Dressing and changing clothes

⚠ Warning:

Your weight may shift if you dress or change clothes while seated in this chair. This may cause a fall or tip over and severe injury to you. To help prevent this you should:

1. Rotate the front castors to the forward position.
2. Lock anti-tip tubes in the down position if your chair has anti-tip tubes.
3. Back your chair up against a wall and lock both rear wheels.

Using your chair

Wheelies (rear wheel balance)

A wheelie is performed by balancing on the rear wheels of your chair, while the front castors are raised off the ground. If done safely, it can help you overcome kerbs and other obstacles.

⚠ Warning:

It is dangerous to do a wheelie, as you may fall or tip over backward and suffer a severe injury. Make sure that you heed these warnings:

1. Consult your doctor, nurse or therapist to find out if you are a good candidate to learn to do a wheelie.
2. Do not try to do a wheelie unless you are a highly skilled rider or unless you have help.
3. Make sure that anti-tip tubes are up, out of the way, so they do not interfere.
4. When learning to do a wheelie, make sure that this chair has push handles. The attendant needs secure points to hold the rear of the chair to prevent the user from tipping over backwards.

Follow these steps when learning to do a wheelie with help:

1. The attendant should be at the rear of the chair, and must be able to move with the chair to prevent a tip over.
2. The attendant's hands should be beneath the push handles, ready to catch you if you tip too far backward.
3. When the attendant is in position, place your hands on the forward area of the handrims.
4. Make a quick backward movement of the rear wheels, immediately followed by a hard forward thrust. This will tilt the chair backwards and lift the castors from the ground. Try to find the balance point, which is the point where you will not fall backwards or forwards.
5. Maintain your balance by small movements of the handrims.

Using your chair

Doorways and obstacles

⚠ Warning:

1. As much as possible ensure that the floor areas where you use the chair are level and free of obstacles by:
 - ⇒ removing or covering threshold strips between rooms,
 - ⇒ installing a ramp at entry or exit doors.
2. If your chair has anti-tip tubes, make sure you lock them in the down position before you go over an obstacle.
3. Keep both your hands on the handrims. If you fail to do so, you may lose control of your chair and tip over.
4. Do not propel your chair by pushing or pulling on an object. Never pull yourself through a doorway by grabbing the doorjamb with one or both hands.
5. To help correct the centre of balance of your chair you should:
 - ⇒ lean your upper body forward slightly as you go up over an obstacle.
 - ⇒ press your upper body backward as you go down from a higher to a lower level.

Reaching or leaning

⚠ Warning:

Reaching or leaning affects the centre of balance of your chair if you fail to heed these warnings, a fall or tip over may occur and cause severe injury to you.

1. Avoid reaching or leaning if you must shift your weight to do so. Moving forwards in your seat may cause the chair to tip forward. Always keep your lower back in contact with the backrest. Ask for help or use a device to extend your reach.
2. Never reach with both hands. If you do so, you may not be able to catch yourself to prevent a fall if the chair tips.
3. Never lean backwards to reach for an object unless your chair has anti-tip tubes and they are locked in the down position.
4. If you must reach or lean from your wheelchair:
 - ⇒ rotate the front castors to the forward position. To do this, move your chair past the object, then back up alongside it.
 - ⇒ place your chair as close as you can to the object you wish to reach.
 - ⇒ steady yourself by firmly grasping an armrest with one hand. This will help you prevent a fall if the chair tips.
 - ⇒ avoid putting pressure on the footrests while reaching. This may cause the chair to tip forward.
 - ⇒ do not lock the rear wheels. This creates a tipping point and makes a fall or tip over more likely.

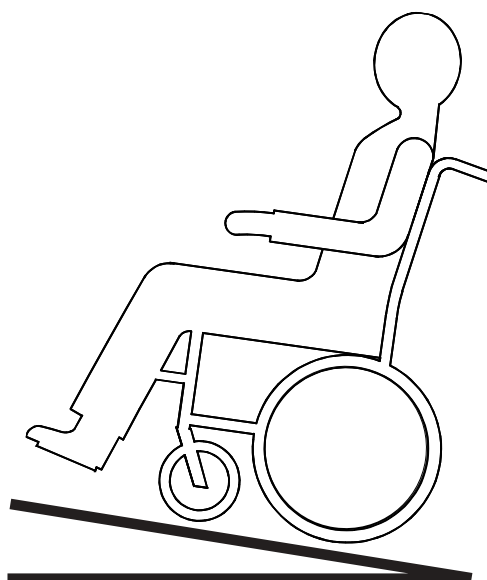
Using your chair

Slopes and hills

⚠ Warning:

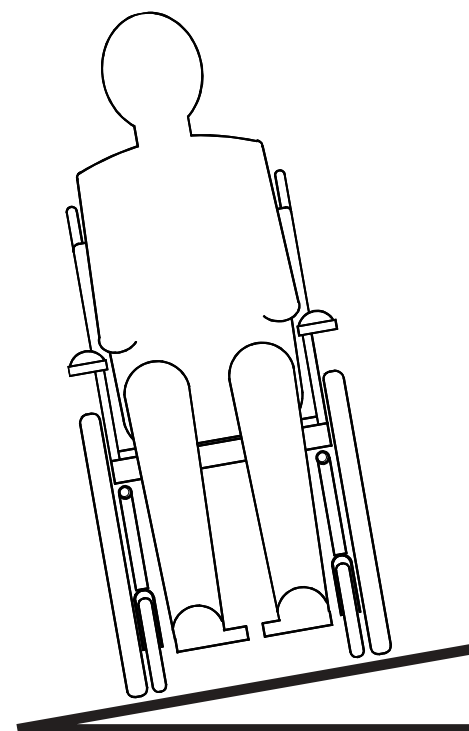
Going up or down a slope (Fig. 3) or riding on the side of a hill (Fig. 4) will change the centre of balance of your chair. If you fail to heed these warnings you may suffer a severe injury from a tip over, fall or loss of control:

1. Lean or press your body uphill to help correct the change in the centre of balance.
2. Avoid turning on a slope or the side of a hill, as a tip over is likely. Always go as straight up and straight down as you can.
3. Be very careful if you must climb a slope greater than 10% (1 in 10). Ask for help if the slope may be beyond your ability.
 - ⇒ On a steep slope, anti-tip tubes may not prevent a tip over.
 - ⇒ On a steep slope, you may not be able to reach the top without stopping. If you have to stop turn the chair sideways on to the hill otherwise you may lose control and tip over.
4. Always control your speed when going downhill. If you go too fast, you may not be able to control your chair. Ask for help if the slope may be beyond your ability.
 - ⇒ You can control your speed by keeping constant pressure on the handrims.
 - ⇒ Never use the rear wheel locks to try to slow or stop your wheelchair. Doing so is likely to cause you to veer out of control or tip over.



10% MAXIMUM SLOPE

Fig. 3



10% MAXIMUM SIDE HILL SLOPE

Fig. 4

Using your chair

Transfers

⚠ Warning:

If you fail to heed these warnings, a fall or tip over may occur and cause severe injury to you:

1. Transfers require good balance and agility and are very dangerous. Be aware that there is a point during each transfer when the wheelchair seat is not below you.
2. To avoid a fall, you should:
 - ⇒ learn how to position your body and how to support yourself during the transfer.
 - ⇒ work with your doctor, nurse or therapist to learn safe transfer methods.
 - ⇒ have someone help you until you are sure you can perform safe transfers on your own.
3. Wherever possible position your wheelchair as illustrated in Fig. 5 and 6.
4. Always lock the rear wheels before you transfer to keep the chair from rolling.

Locking the rear wheels will not always keep your chair from sliding away from you or tipping.
5. Rotate the front castors forward to make the chair more stable.
6. If your chair has armrests, make sure that they are out of the way and do not interfere.

7. Be careful of the footrests. To avoid a trip or fall when you transfer you should:
 - ⇒ make sure that your feet do not hang up or get caught on the footrests.
 - ⇒ avoid putting weight on the footrests as the chair may tip forwards.
 - ⇒ If you can, remove or swing the footrests out of the way.

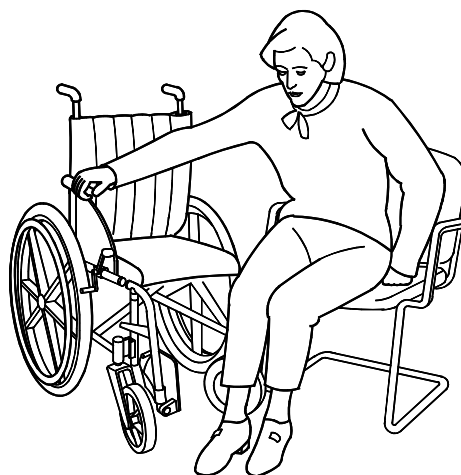


Fig. 5

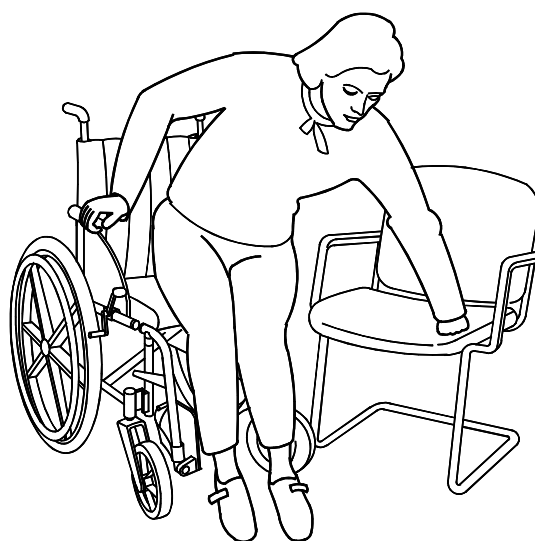


Fig. 6

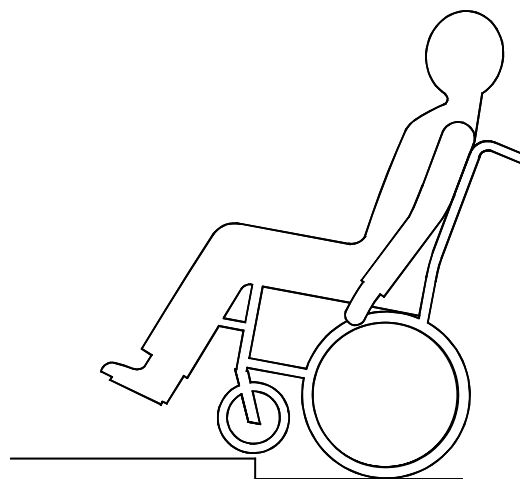
Using your chair

Kerbs and single steps

⚠ Warning:

If you fail to heed these warnings, a fall or tip over may occur and cause severe injury to you or others:

1. Never try to climb or descend a kerb or step alone unless you are a skilled rider and:
 - ⇒ you can safely do a wheelie;
 - and
 - ⇒ you are sure you have the upper body strength needed to do so.
2. Unlock and rotate anti-tip tubes up, out of the way, so they do not interfere.
3. Do not try to climb a kerb or step more than 100mm (4") high unless you have help; your chair may exceed its balance point and tip over (Fig. 7).
4. When you have an attendant, make sure that the chair has push handles. The attendant must have secure points to hold the rear of the chair.



100mm (4") MAXIMUM KERB HEIGHT

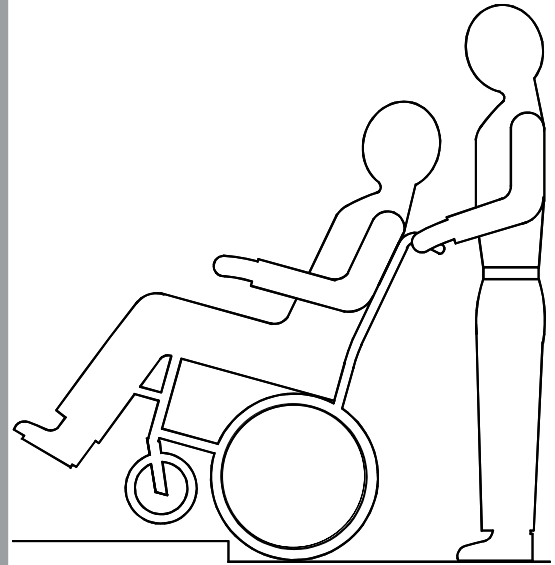
Fig. 7

Using your chair

Tips for descending a kerb or single step with help

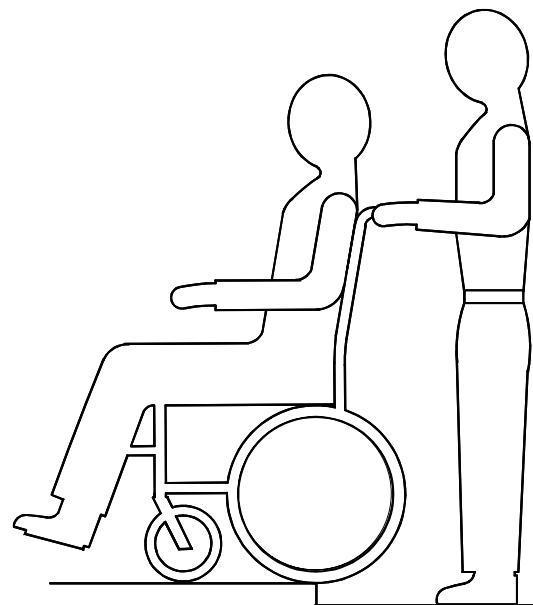
Read and follow the warnings for attendants. To help the rider descend a kerb or single step in a backward direction:

1. Check to make sure that push handle grips will not rotate or slip off.
2. Always stay behind the wheelchair (Fig. 8).
3. Before you reach the edge of the kerb or step, turn the chair around and pull it backwards.
4. While looking over your shoulder, carefully step back until you are off the kerb or step and standing on the lower level.
5. Pull the chair towards you until the rear wheels reach the edge of the kerb or step. Then allow the rear wheels to slowly roll down onto the lower level (Fig. 9).
6. When the rear wheels are safely on the lower level, tilt the chair back to its balance point. This will lift the front castors off the kerb or step.
7. Keep the balance position and take small steps backwards. Turn the chair around and carefully lower the front castors to the ground.



100mm (4") MAXIMUM KERB HEIGHT

Fig. 8



100mm (4") MAXIMUM KERB HEIGHT

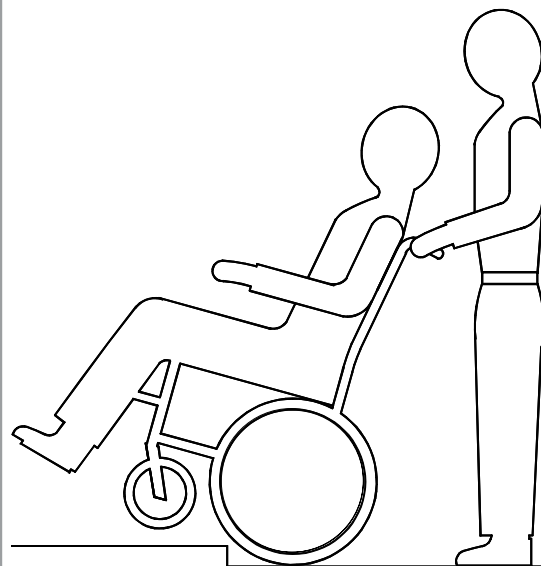
Fig. 9

Using your chair

Tips for climbing a kerb or single step with help

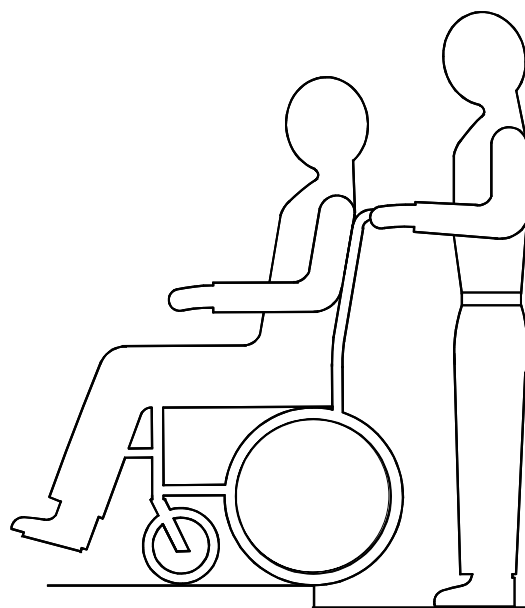
Read and follow the warnings for attendants. To help the rider mount a kerb or single step in a forward direction:

1. Always stay behind the wheelchair.
2. Face the kerb and tilt the chair up on the rear wheels so that the front castors clear the kerb or step (Fig. 10).
3. Move forward, placing the front castors on the upper level as soon as you are sure that they are past the edge.
4. Continue forward until the rear wheels contact the face of the kerb or step (Fig. 11). Lift and roll the rear wheels to the upper level.



100mm (4") MAXIMUM KERB HEIGHT

Fig. 10



100mm (4") MAXIMUM KERB HEIGHT

Fig. 11

Using your chair

Moving a chair and rider up or down stairs

⚠ Warning:

Where possible, avoid carrying out this manoeuvre to prevent attendant injury.

Read and follow the warnings for attendants. If you fail to heed these warnings a fall or tip over may occur and cause severe injury to the rider and/or attendants:

1. Always use two or more attendants when moving a chair and rider up or down stairs (Fig. 12).
2. Make sure that this chair has push handles and that the grips will not rotate or slip off. The attendant at the rear needs secure hand-holds to bear the weight of the chair and rider.
3. Use only non-detachable parts of the main frame as hand-holds.
4. Make sure that the rider is secure in the chair, with his or her feet, arms and hands safely out of the way of any obstacles.

Tips for climbing stairs with help

Read and follow the warnings for attendants. Follow these steps when helping the rider climb stairs:

1. Move the chair and rider backwards up the stairs.

2. The attendant at the rear is in control. He or she tilts the chair back to its balance point (Fig. 12).
3. A second attendant at the front firmly grasps a non-detachable part of the front frame and lifts the chair up and over one step at a time.
4. The attendants reposition themselves on the next step up and repeat the same procedure for each step. When the landing is reached, return the chair to its upright position.

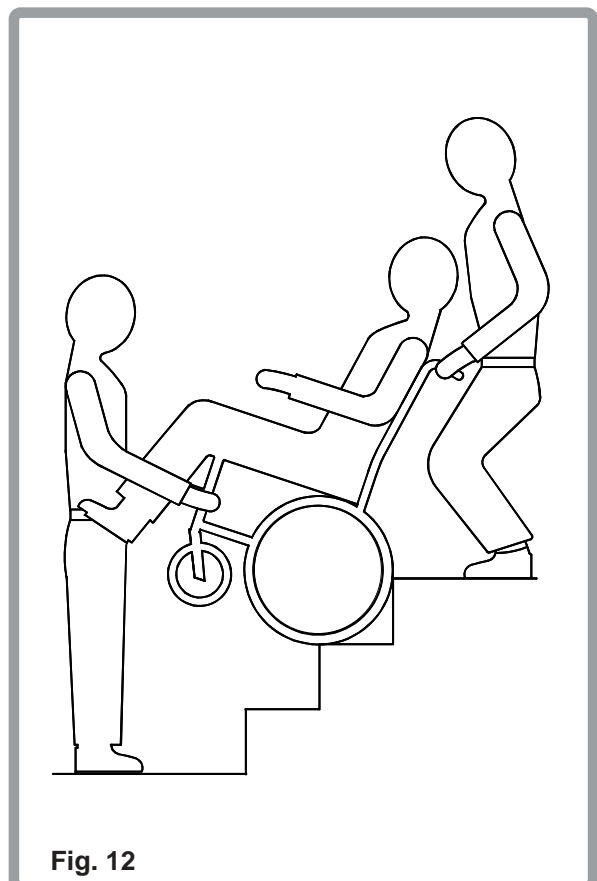


Fig. 12

Using your chair

Tips for descending stairs with help

Read and follow the warnings for attendants. Follow these steps when helping the rider descend stairs:

1. Move the chair and rider forward down the stairs (Fig. 13).
2. The attendant at the rear is in control. He or she tilts the chair to the balance point of the rear wheels and rolls it to the edge of the top step.
3. A second attendant stands firmly on a lower step and grasps the chair frame. Both attendants lower the chair one step at a time by letting the rear wheels roll over the step edge.
4. The attendants move to the next step down and repeat the same procedure for each step. When the landing is reached return the chair to its upright position.



Fig. 13

Chair features

Swing-away footrests

Swing-away footrests (Fig. 14) enable easier forward transfers from your chair to be performed.

Releasing footrests

To release the footrest, push the release latch (1) toward the frame (2), and rotate the footrest outward. To remove the footrest from the chair lift vertically from this position.

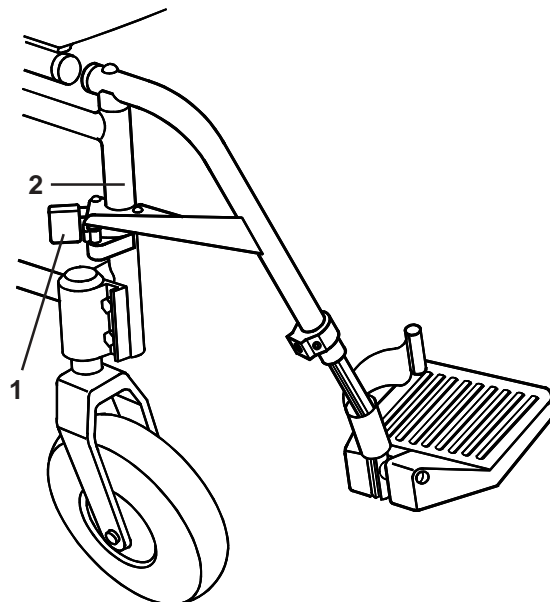


Fig. 14

Replacing footrests

To replace a footrest (Fig. 15), place the swingaway pivot saddle (3) into the receiver (4) on the frame (2) with the footrest facing outward from the frame. Rotate the footrest inward until it locks into place on the locking stud (5).

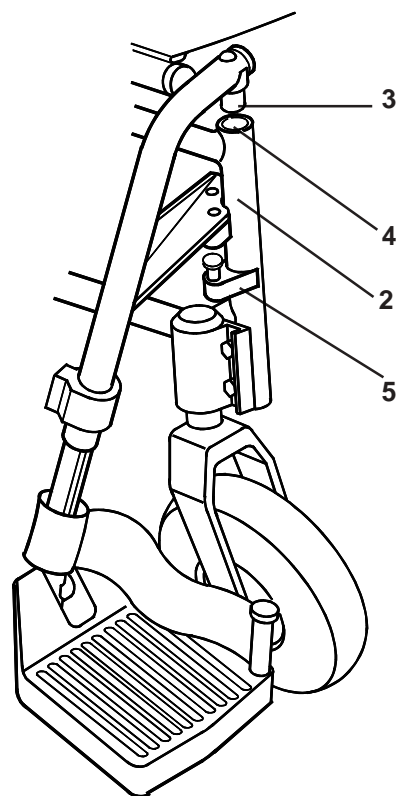


Fig. 15

Chair features

90° adjustable flip up footrests

The 90° kids footrest is shown in Fig. 16.

Releasing footrests

To release the footrest (Fig. 16), push the release latch (1) toward the frame (2), and rotate the footrest outward. To remove the footrest from the chair lift vertically from this position.

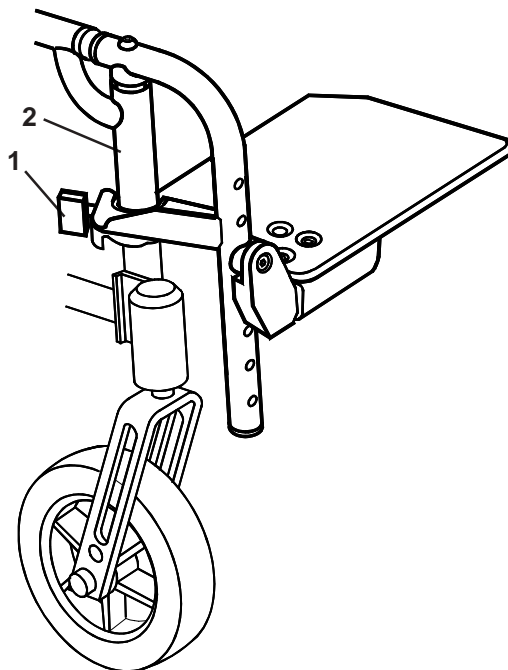


Fig. 16

Replacing footrests

To replace the footrest (Fig. 17), place the swing-away pivot saddle (3) into the receiver (4) on the frame (2) with the footrest facing outward from the frame. Rotate the footrest inward until it locks into place on the locking stud (5).

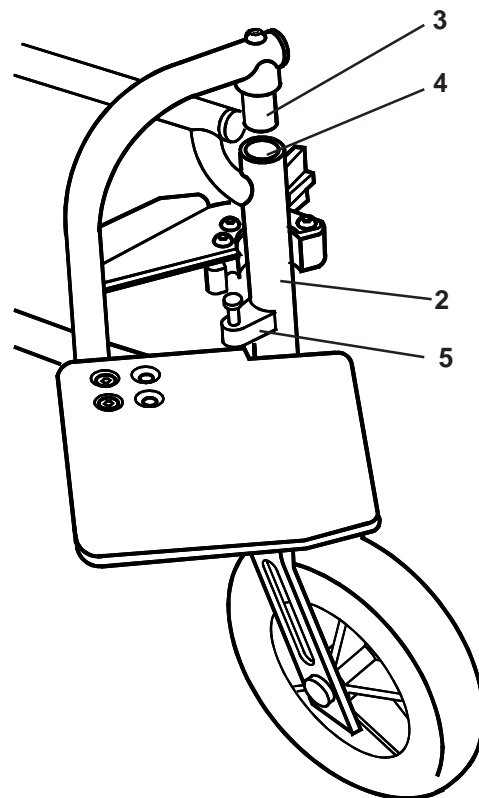
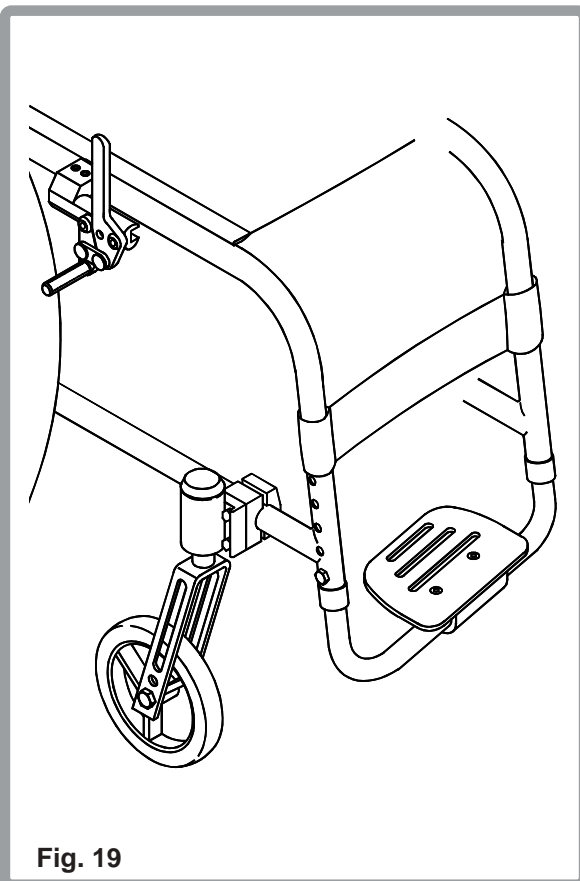
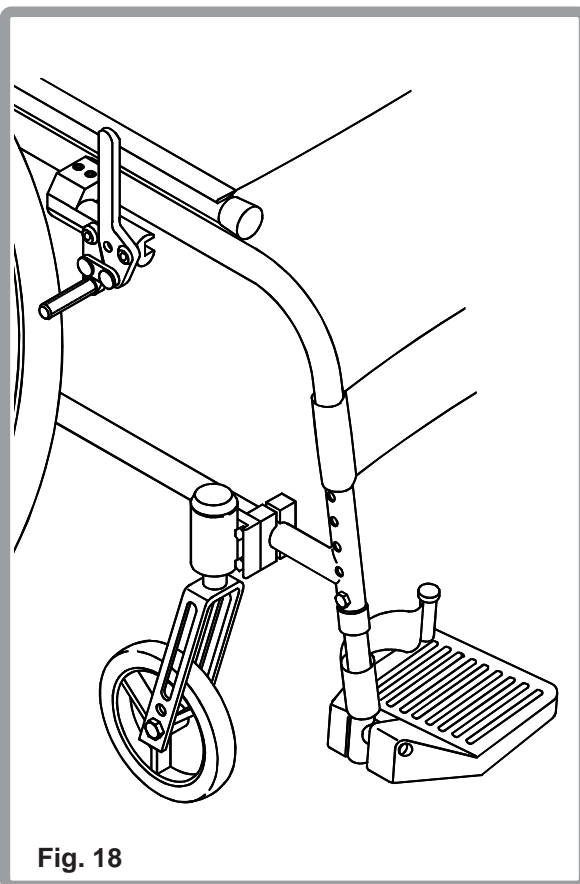


Fig. 17

Chair features

Fixed flip up footrest

Fig. 18 shows the flip up footplate and Fig. 19 the one piece flip up footplate.



Chair features

Elevating legrests

To install or remove elevating legrests (ELR) see instructions for swing-away footrest assembly on previous pages. To raise the ELR, lift to the desired position, the ELR will automatically lock in place. To lower the ELR while seated in the wheelchair, press the release lever (1) and lower the legrest to the required position. The ELR will automatically lock in place (Fig. 20).

▲ Warning:

Pressure and leg weight must be off the ELR before positioning. While making adjustment, either hold leg, remove leg from legrest or ask for assistance.

Articulating elevating legrests

To fit or remove articulating legrests see instructions for swing-away legrests.

To raise the legrest (2) lift to the desired position, where it will automatically lock into place.

To lower the legrest whilst seated in the chair push the release lever (3) forwards and lower the legrest to the desired position. Release the lever, the legrest will lock into position (Fig. 21).

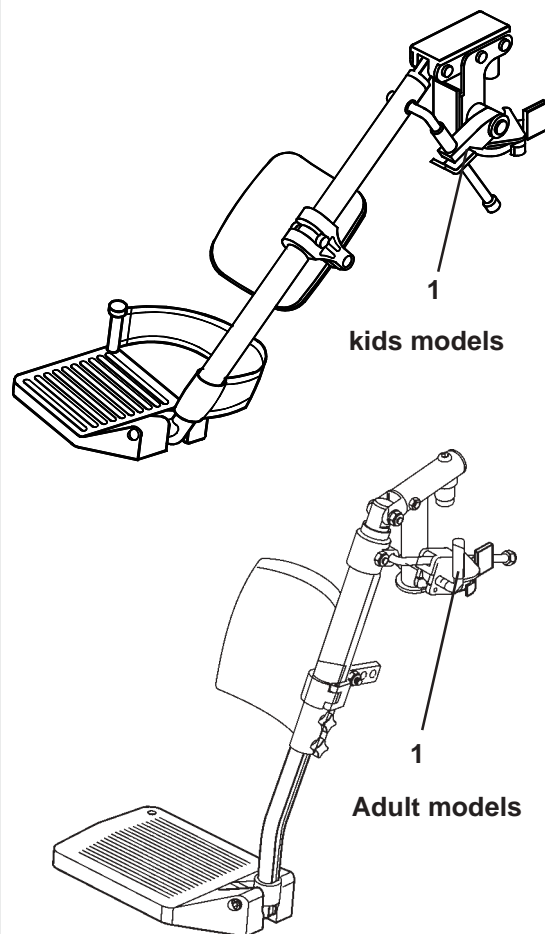


Fig. 20

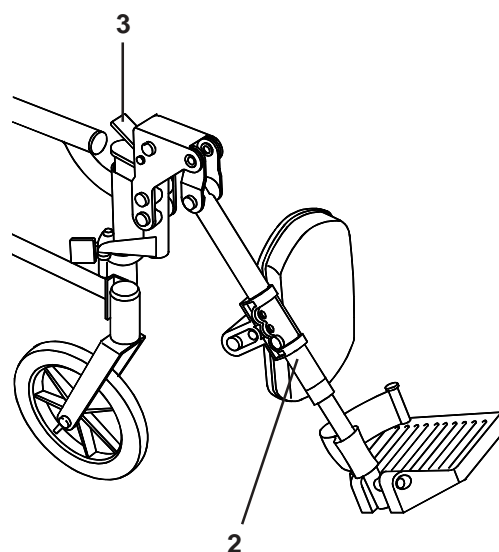


Fig. 21

Chair features

Height-adjustable armrests

To install armrests, slide the outer arm post (1) into the receiver (2). The armrest will automatically lock in place (Fig. 22).

To adjust the armrest height, rotate the release lever (3) to the second stop (Fig. 22B). Slide the armrest pad (4) up or down to the desired height and return the lever to the locked position. Push the arm pad until the upper arm post locks firmly in place.

To detach the armrest, rotate the release lever to the first stop and remove the armrest (Fig. 22C). To replace the armrest, slide the armrest back into the receiver and return the release lever to locked position (Fig. 22).

The armrest can be adjusted to remove free play in the receiver and inner arm post (Fig. 22). To tighten or loosen the fit of the outer post in the receiver, first loosen the four 10mm A/F bolts (5) two on each side of the receiver. With the armrest in the receiver, squeeze the receiver to achieve the desired fit, then tighten the four bolts. To adjust the fit of the inner arm post, two set screws (6) are installed in the outer arm post (Fig 22D). Turn the set screws in or out until the desired fit is achieved using a 3/32" Allen key.

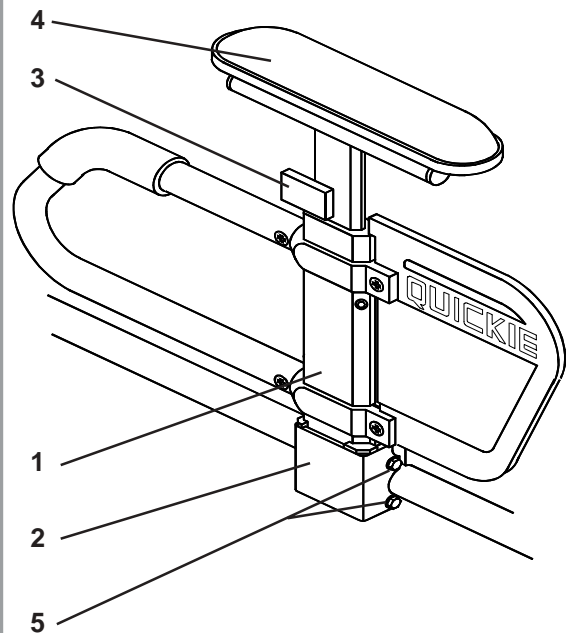


Fig. 22

Fig. 22B

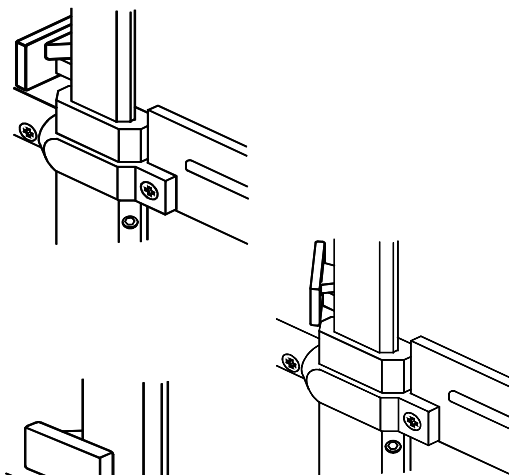


Fig. 22C

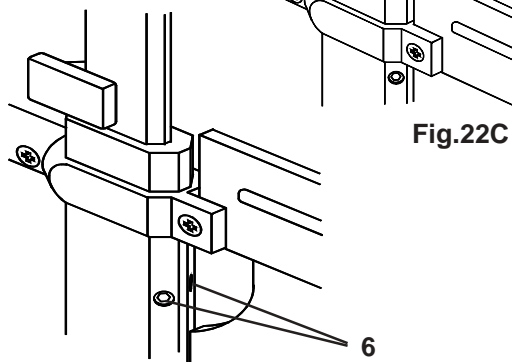


Fig. 22 D

Chair features

Swing-away armrests

Swing-away, removeable armrests (Fig. 23) are installed by sliding the armrest tube (1) into the receiver (2) on the rear frame tube, aligning the slot on the end of the tube with the screw (3). To remove the armrest simply pull upwards until the tube clears the receiver. To rotate the armrest pull upwards for approximately 25mm (1") and rotate away from the chair.

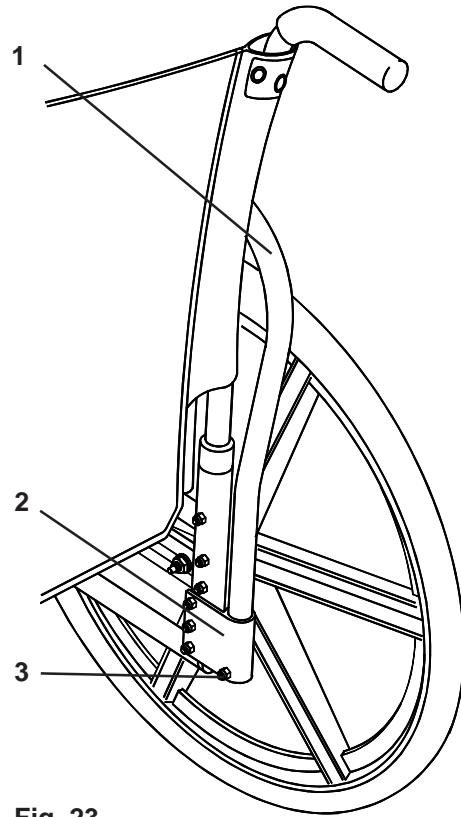


Fig. 23

Quick-release axles

To remove quick-release axles (Fig. 24) simply press the quick release button (1) which is located in the wheel hub (2), and grip the wheel through the spokes (3) around the hub and pull the axle out of its sleeve (4). To replace, slide the axle into the sleeve until the release button 'pops' out and the two locking pins (5) are visible on the inside (6) of the sleeve.

⚠ Warning:

The axle is not secure until the outside quick-release button pops out to its fully extended position, and the locking pins (5) on the inside of the axle are in the locked position.

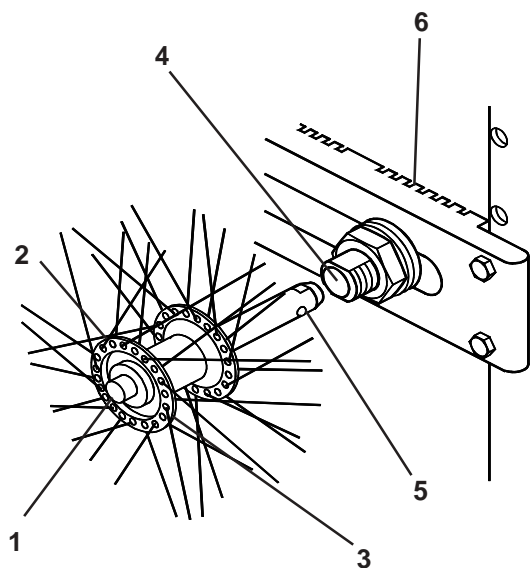


Fig. 24

Chair features

Backrest

The backrest comes in three height ranges with 63mm (2½") height adjustment in each range (Fig. 25). The upholstery comes with front and rear insert slots. The rear slot (with no opening) accommodates a standard back. The front slot (with top opening) is used for push handle backs.

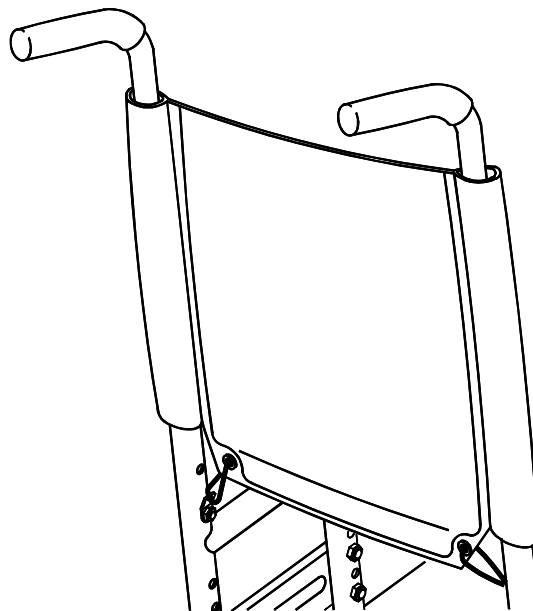


Fig. 25

Optima backrest and upholstery

Optima backrest upholstery is shown in Fig. 26. Adjustable Velcro® straps allow the backrest to be shaped to follow the exact profile of your back.

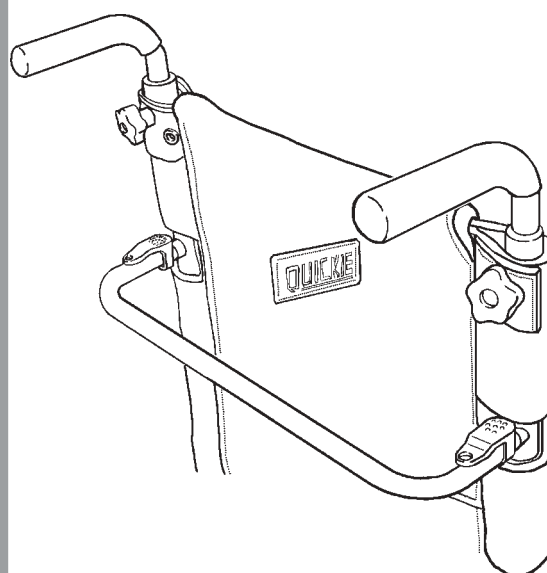


Fig. 26

Chair features

Height adjustable integrated push handles

To adjust the height of the push handles (1) loosen the adjustment knobs (2). Set the push handles to the required position and re-tighten the knobs (Fig. 27).

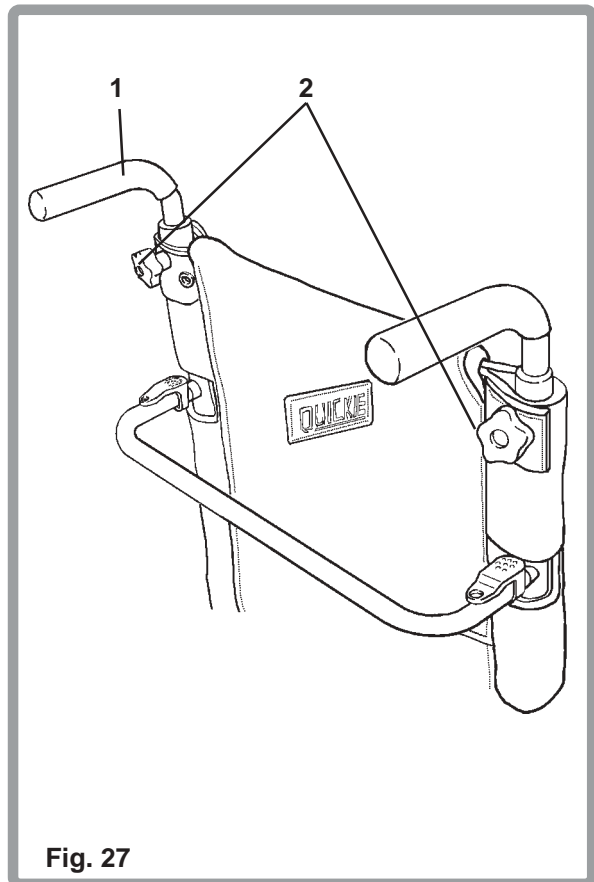


Fig. 27

Stabiliser bar

To provide these chairs with additional rigidity a stabiliser bar (1) is also supplied (Fig. 28). To remove the bar, prior to folding the chair, the levers (2) need to be depressed on both sides of the bar; whilst keeping the levers depressed the bar can be removed, by pulling it backwards.

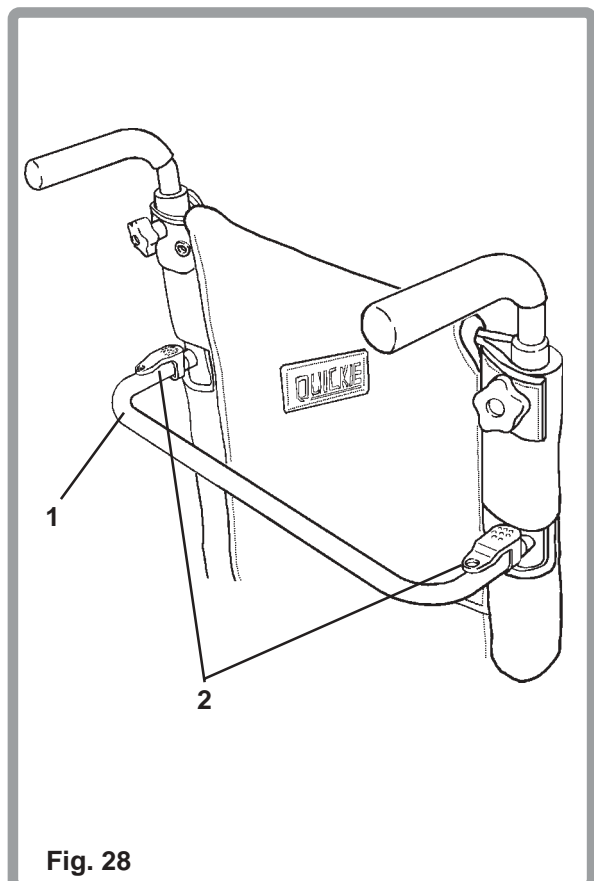


Fig. 28

Chair features

Wheel locks

High mount push-to-lock wheel locks or low mount push-to-lock wheel locks are shown in Figs. 29 and 30.

High mount

The wheel lock mounts on a clamping system (1) and is correctly set prior to leaving the factory (Fig. 29). To apply the wheel lock simply push the operating lever (2) forwards until you feel it go over centre, and the grip bar (3) grips the tyre (4).

Scissor wheel lock

Scissor wheel locks (Fig. 30) are mounted on clamping systems (1) and are correctly set prior to leaving the factory. To apply the wheel lock pull the operating lever (2) forwards until you feel it go over centre, and the grip arm (3) grips the tyre (4). Scissor locks can also be mounted on the lower frame tubes (Fig. 30B). When mounted in the lower position the left hand lock must be mounted on top of the right hand frame, and vice versa.

⚠ Warning:

Wheel locks are not brakes designed to slow down the chair when it is moving. Wheel locks, when properly adjusted, prevent the rear wheels from turning when the chair is stationary.

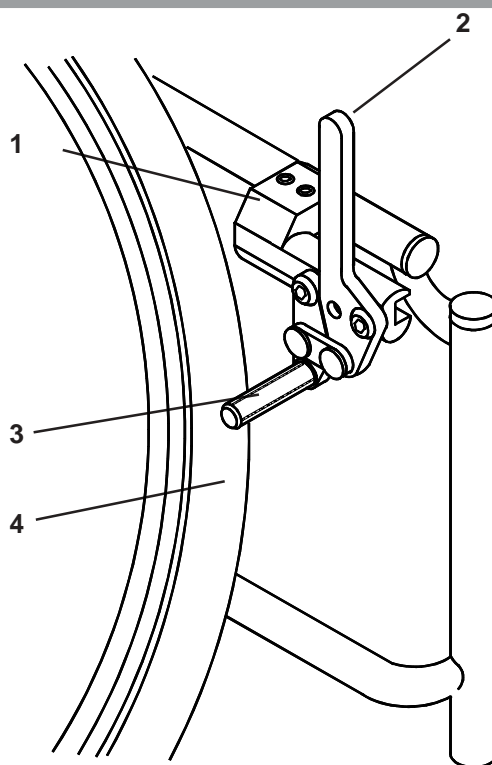


Fig. 29

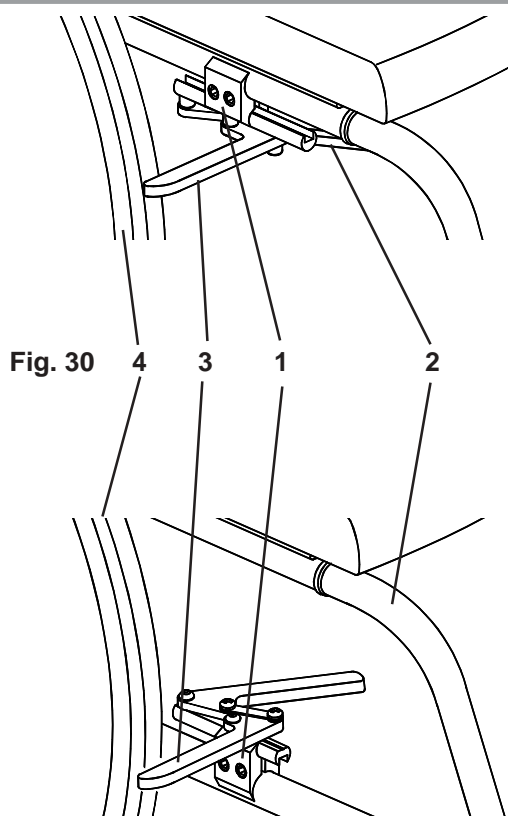


Fig. 30

Fig. 30B

Chair adjustments

Swing-away footplates

To adjust the height of swing-away footplates (Fig. 31), loosen the screw (1), located as shown, using a 4mm Allen key and set the footplate height to the required position. Tighten the screw to 5-8Nm torque using a 4mm Allen key.

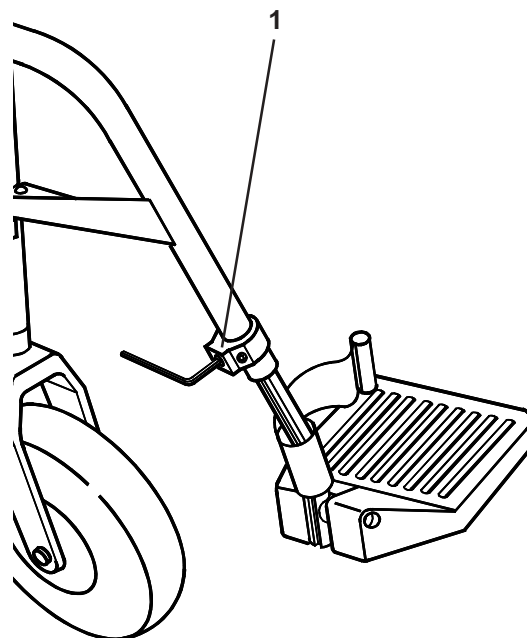


Fig. 31

Footplate angle adjustment (90° adjustable flip up footplate)

To adjust the height of this type of footplate (Fig. 32) unscrew and remove the retaining screw (1), nut (2) and saddle washer (3) as shown, move the footplate to the desired height, and replace the retaining screw (1), saddle washer (3) and nut (2) and tighten to 8-10 Nm torque. Use a 4mm Allen key and 10mm A/F spanner.

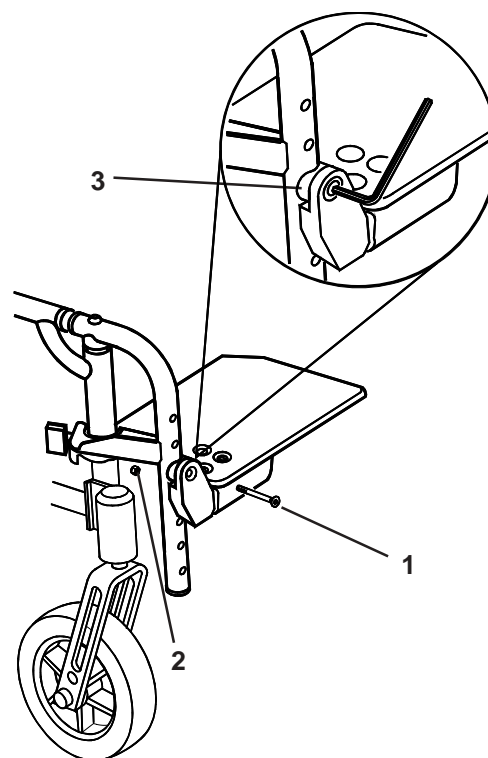


Fig. 32

Chair adjustments

Footplate angle (90° adjustable flip up footplate)

To adjust the angle of the footplate, (Fig. 33) loosen the two retaining screws (1) sufficient to allow the footplate (2) to rotate. Rotate the footplate to the desired angle and tighten the screws to 8-10Nm torque, using a 4mm Allen key.

Forward or backward adjustment

The footplate can also be moved forwards or backwards (Fig. 33) by removing the two screws (1), moving the footplate (2) forwards or backwards and aligning the holes in the footplate with the holes in the receiver (3). Replace the screws and tighten as above.

Adjusting Optima upholstery

To adjust the upholstery first lift up the back flap (1) covering the strips, with the user sitting in the chair, proceed to loosen or tighten each individual strap (2) (Fig. 34).

It is necessary to follow the profile of the users back. (In practice this will generally mean tightening the straps around the lumbar region, and loosening the straps around the posterior and upper back).

These adjustments should only be performed by a qualified therapist.

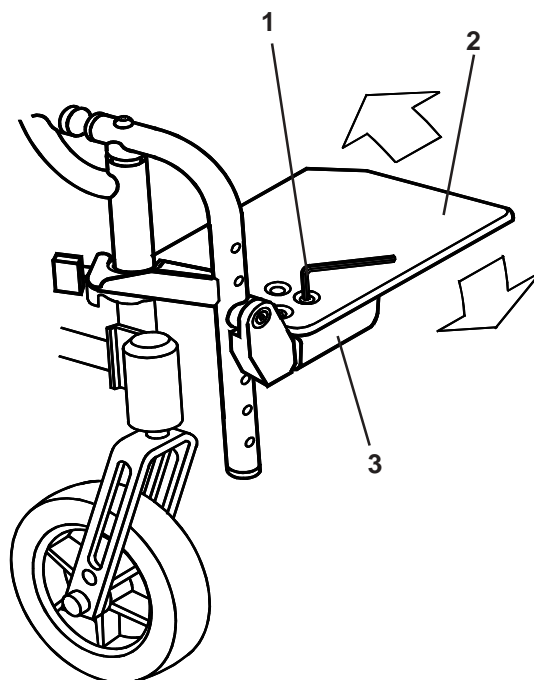


Fig. 33

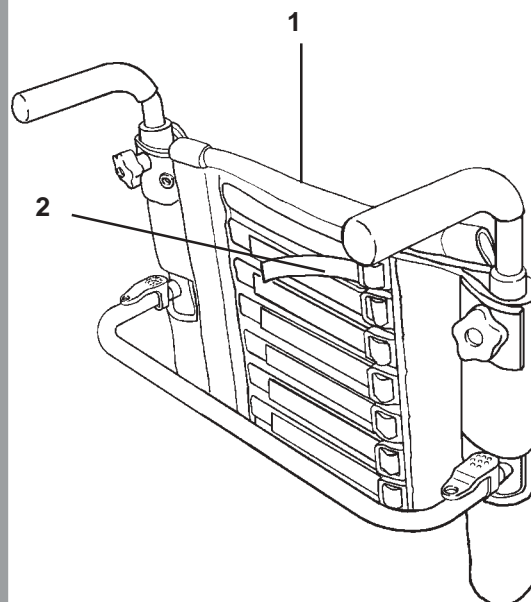


Fig. 34

Chair adjustments

Flip up footrests. Fixed front frame

To adjust the height of flip up footrest, remove the bolt (1) as shown, (use a 10mm A/F spanner) move the footrest assembly to the desired position, ensuring the hole (2) in the outer tube (3) align with the hole in the inner tube (4). Replace the bolt and tighten to 5Nm torque setting (Fig. 35).

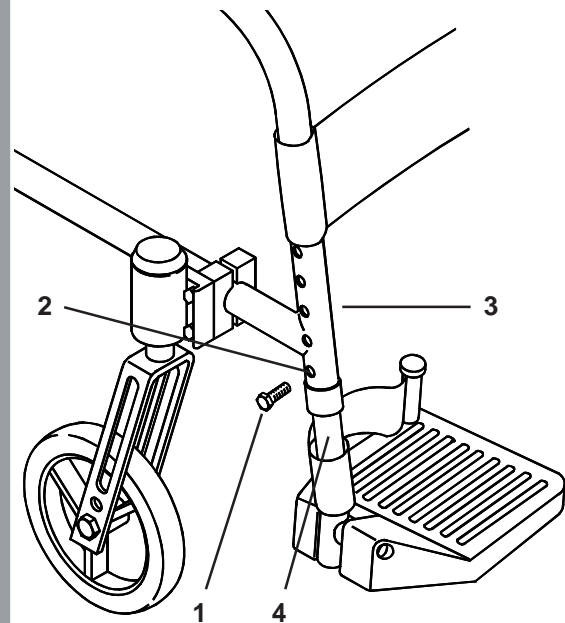


Fig. 35

Adjusting the angle of Optima backrests

To adjust the angle of Optima backrests (Fig. 36) remove screw (1) and nut (2) and adjusting washer (3). Use a 4mm Allen key and a 10mm A/F spanner. Loosen screw (4) sufficiently to allow brackets (5-6) to rotate. Turn the adjusting washer round to the desired angle and replace it into the recess (7) with all the holes in line. Replace the screw (1) and nut (2) and tighten to 8-10Nm torque. Tighten screw (4) to 8-10Nm torque.

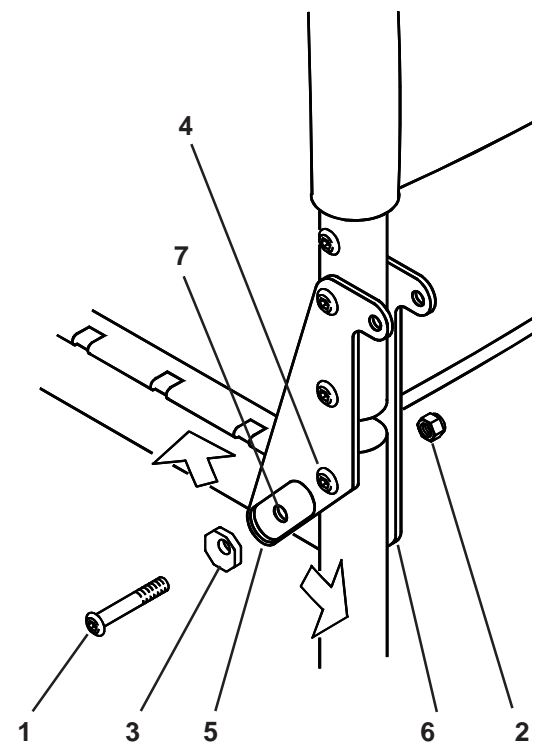


Fig. 36

Chair adjustments

Wheel locks

To adjust, loosen the screws (1) on the top of each clamp (2). Using a 5mm Allen key turn one of the screws anticlockwise $\frac{1}{4}$ turn (Fig. 37). Repeat the process with the second of the two screws. Loosen the screws until the clamp can slide freely. Slide the clamp towards the rear wheel until the grip bar (3) embeds into the tyre (4) approximately 4mm ($\frac{3}{16}$ ") when in the locked position. Tighten the screws to a torque setting of 15Nm. Some adjustments to the wheel lock position can be accomplished without moving the clamp. To adjust, loosen the two screws as above. Slide the mounting bar (5) forward or backwards and rotate it to the correct angle position. The grip bar should embed into the tyre approximately 4mm ($\frac{3}{16}$ ") when in the locked position. Tighten the screws to a torque setting of 15Nm.

⚠ Warning:

Wheel locks when properly adjusted, prevent the rear wheels from turning when the chair is stationary. Always adjust the wheel locks after making any changes to the rear axle sleeves position, so that the grip bar embeds into the tyre approximately 4mm ($\frac{3}{16}$ ") when in the locked position.

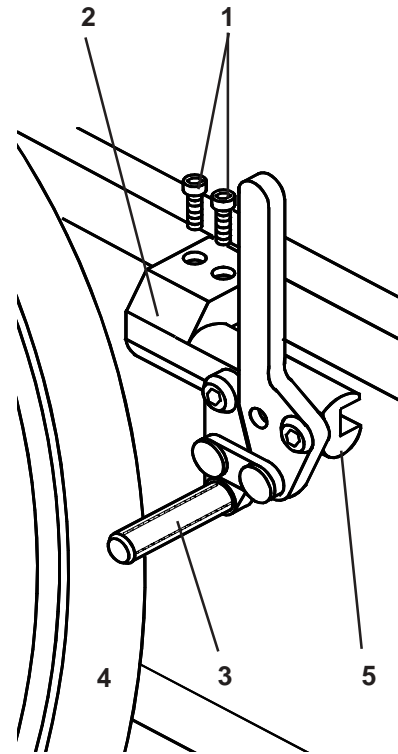


Fig. 37

Chair adjustments

Scissor locks

To adjust low mounted wheel locks the two retaining screws (1) must be loosened a $\frac{1}{4}$ turn at a time, using a 5mm A/F Allen key, alternating between the two screws until the clamp (2) can slide along the frame tube (3). The grip bar (4) must embed into the tyre (5) approximately 4mm ($\frac{3}{16}$ ") to be correctly set. When the correct setting is achieved tighten the retaining screws $\frac{1}{4}$ turn at a time to a torque setting of 15Nm (Fig. 38).

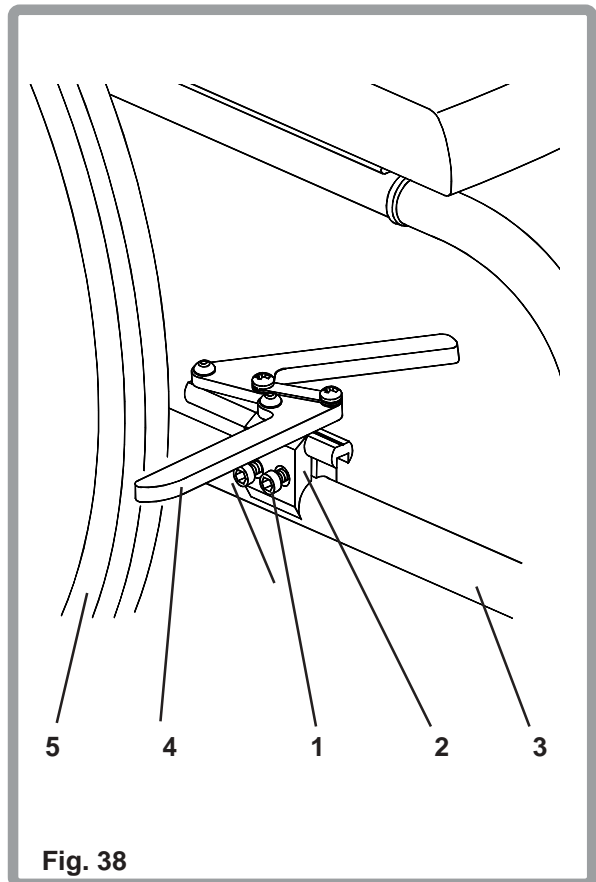


Fig. 38

Centre of gravity

The centre of gravity (Fig. 39) is adjusted by moving the axle sleeve (1) backward or forward on the indexed axle plate (2). To move the axle sleeve under the outer 28mm A/F retaining nut (3) sufficiently to allow the locking washer (4) and the axle sleeve assembly to slide in the axle plate, find the desired index slot (5) and tighten the retaining nuts to 45Nm torque.

Note:

After changing the centre of gravity always check:-

Toe in/toe out (Fig. 43, page 32)

Angle of castors (Fig. 46, page 34) Both axes are in identical positions.

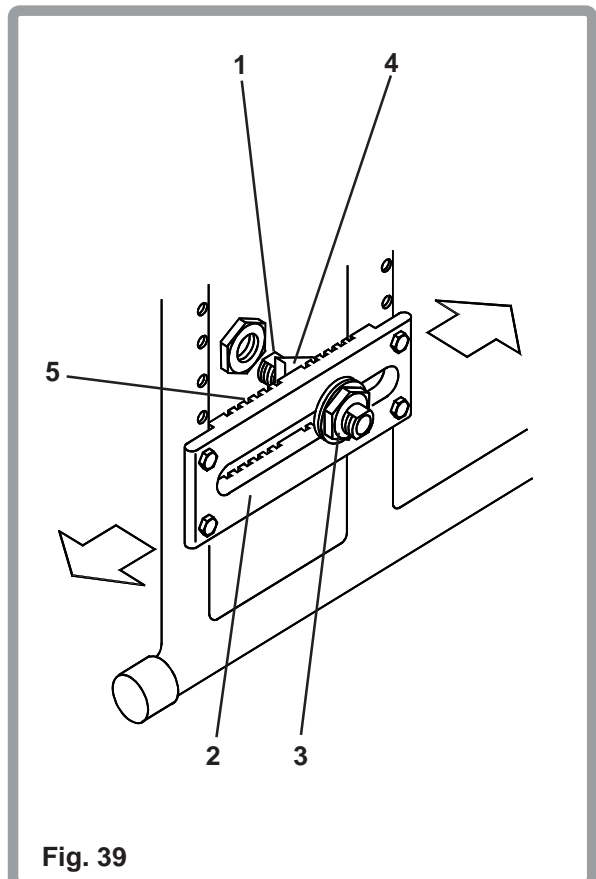


Fig. 39

Chair adjustments

Rear axle positions seat height

Seat height (Fig. 40) can be adjusted by moving the axle plate (1) up or down the frame within a range of 50mm (2") seat height adjustment. The four bolts (3) and nuts (4) per axle plate must be removed and positioned as required, then tightened to 8-10Nm torque, using two 10mm A/F spanners.

Both axle plates must be positioned in the same hole setting on each side to ensure that the chair is level.

Note:

After changing the seat height always check:

Toe in/toe out (Fig. 43, page 32)

Angle of castors (Fig. 46, page 34)

Both axles are in identical positions.

Wheelbase width

The wheelbase width is adjusted by loosening the inner (1) and outer 28mm A/F axle sleeve nuts (2), using adjustable spanners, and positioning the axle sleeve (3) where required. The nuts must be tightened using a torque spanner to 45Nm torque (Fig. 41).

Note:

To achieve the narrowest possible wheelbase the axle plates may be positioned on the inside of the frame tubes. Both axles should be positioned identically.

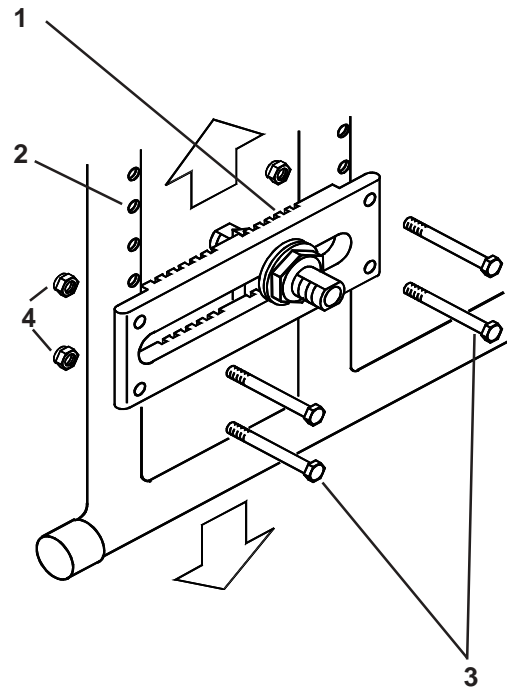


Fig. 40

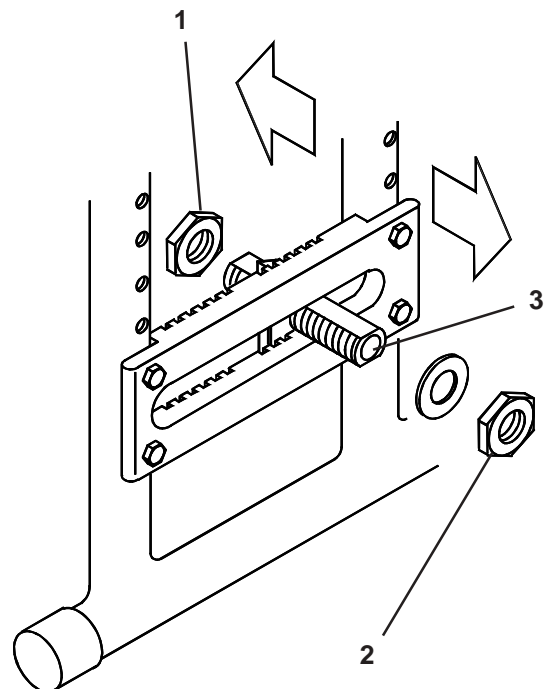


Fig. 41

Chair adjustments

Rear axle camber

Wheel camber is preset at the factory at 2°. More or less camber can be obtained by increasing or decreasing the number of camber washers (1) located between the bottom of the axle plate (2) and frame (3) (Fig. 42). The 10mm A/F retaining bolts (4) and nuts (5) must be removed, the required number of washers inserted and the retaining bolts and nuts replaced and tightened to 8-10Nm torque.

Note:

Both axles must be set in an identical manner.

Rear axle toe in or toe out

The toe in is set at the factory.

Should you require more toe in or toe out (Fig. 43B) increase or decrease the number of washers (1) at the front or rear of the axle plate (2). More washers at the front decreases toe in and increases toe out. More washers at the rear increases toe in and decreases toe out. Remove the four 10mm A/F axle plate nuts (3) and bolts (4), add or remove washers as required and replace the bolts and nuts and tighten to 8-10Nm torque (Fig. 43).

⚠ Warning

Always ensure that toe in/toe out is less than 15mm. Excessive toe in/toe out may cause higher wear on the tyres and friction when riding the chair in a straight line.

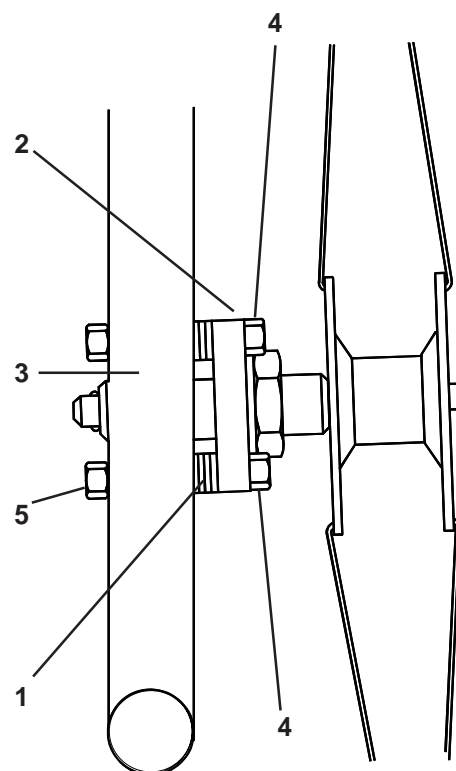


Fig. 42

Fig. 43

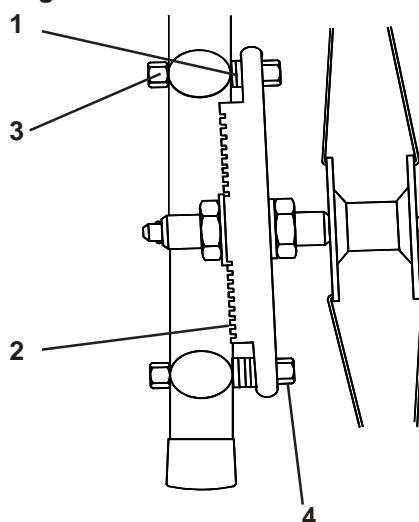
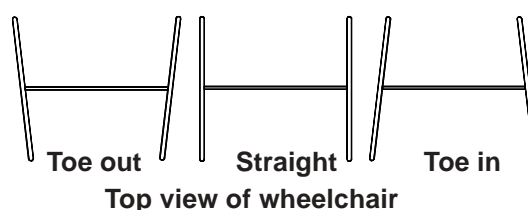


Fig. 43B

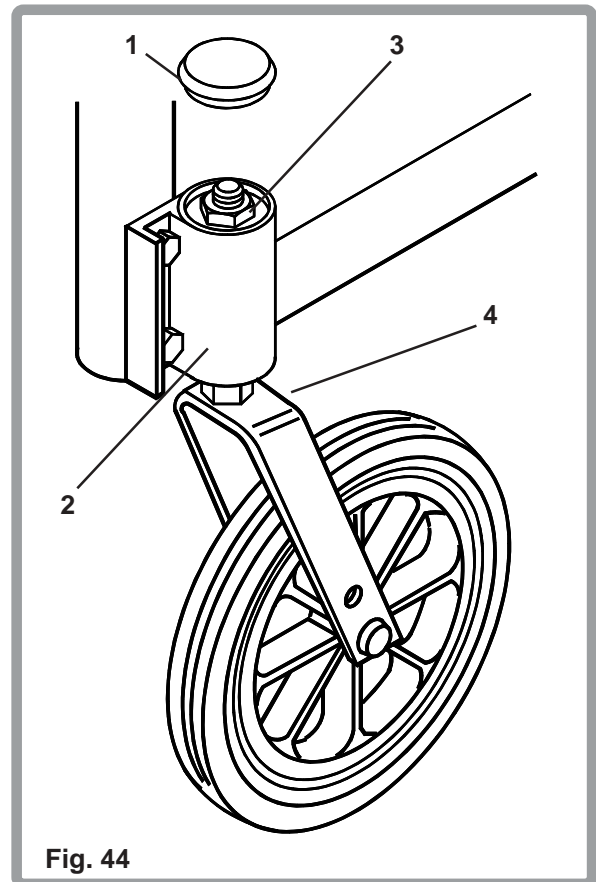
Front



Chair adjustments

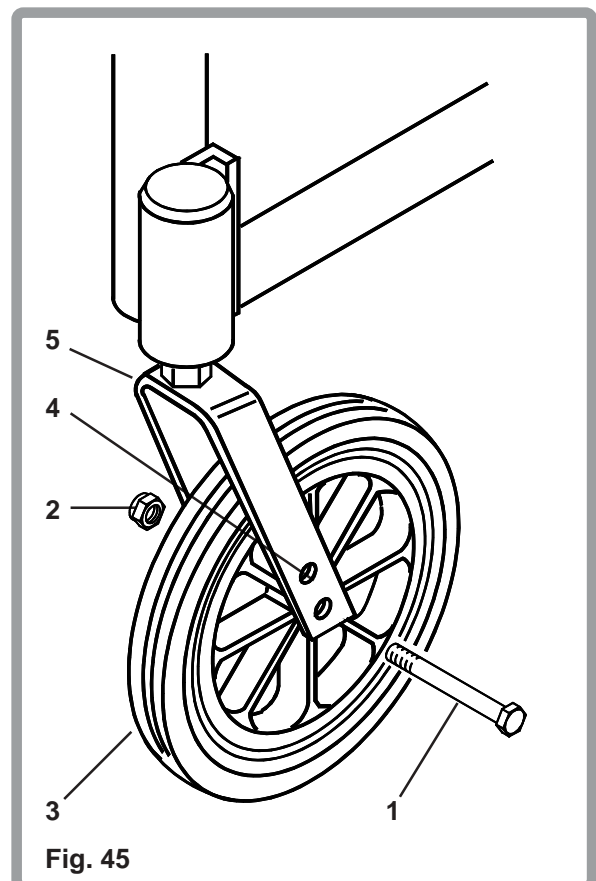
Castor bearing play

To adjust the castor bearing play (Fig. 44), prise off the dust cover (1) from the bearing housing (2), and adjust the play by tightening the retaining nut (3), using a 19mm A/F socket spanner. Tighten 1/8 turn at a time until the play is taken out, but still allowing free rotation of the castor fork (4) assembly. Replace the dust cover.



Seat height adjustment

Two-hole castor forks (Fig. 45) allow you to interchange 125mm (5"), 150mm (6") and 200mm (8") castor wheels and to adjust the seat height. To adjust, remove the axle bolt (1) and nut (2) with a 13mm A/F spanner and remove the castor wheel (3). Either change the castor wheel size and/or position the castor wheel upward or downward in the desired pre-drilled holes (4) 25mm (1") apart on the castor fork (5). Replace the bolt and tighten to 27Nm torque.



Chair adjustments

Castor angle adjustment

For optimum performance, the castor housing should always be at 90° to the floor, (perpendicular to the ground). This adjustment is made with an eccentric (offset) attachment bolt mechanism (1). To change the angle, place the chair on a flat surface (such as a table). Remove the 10mm A/F bolt nuts (2) from the rear side of the castor housing (3). You will note that the castor housing is slotted at the side for adjustment. Place a large right angled object (4) against the flat surface and the front surface of the castor housing (5). This will align the castor stem rotational axis perpendicular to the flat surface. Rotate the bolts independently until they fall into position. When the alignment is satisfactory, re-tighten the two retaining bolts. Repeat the process for the other castor. Recommended torque setting: 8-10 Nm (Fig. 46).

Castor reversibility

The castor plate is generally mounted in a forward-facing position (1). However, if additional footrest clearance is necessary, the castor plate can be reversed (2). This will position the castor plate rearward to allow more clearance. To reverse the castor plate, the left plate should be mounted on the right side of the frame, and the right plate should be mounted on the left side of the frame (Fig. 47).

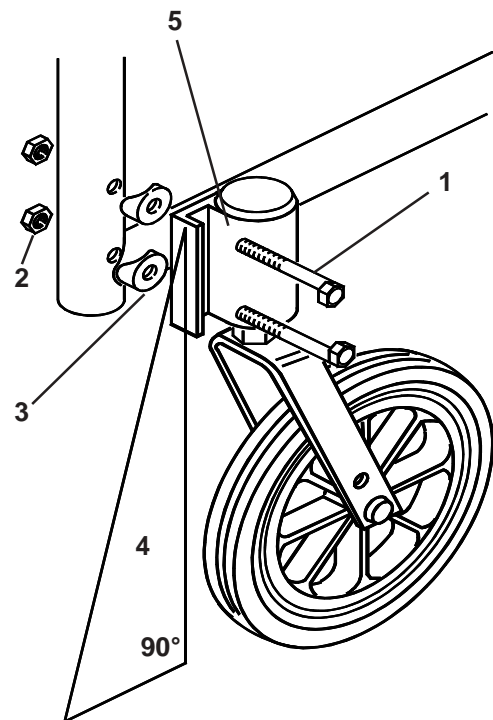
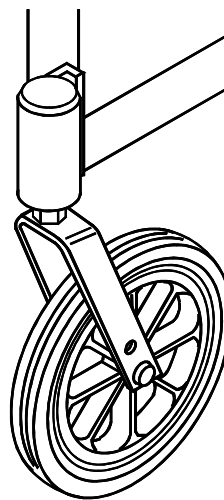


Fig. 46

1 FORWARD FACING



2 REAR FACING

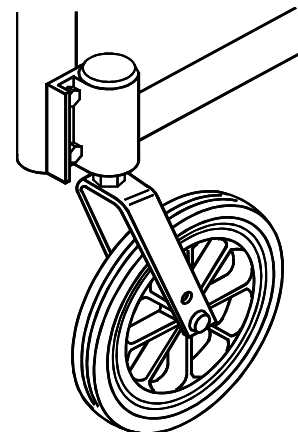


Fig. 47

Chair adjustments

Castor adjustment

To remove play from the castor stem (Fig. 48), remove the dust cover (1) by prising it off. Tighten the nut (2) with a 19mm A/F socket spanner until all play is removed, yet still allows the castor fork assembly to rotate freely. Replace the dust cover by snapping it back in place. (Fixed front frame).

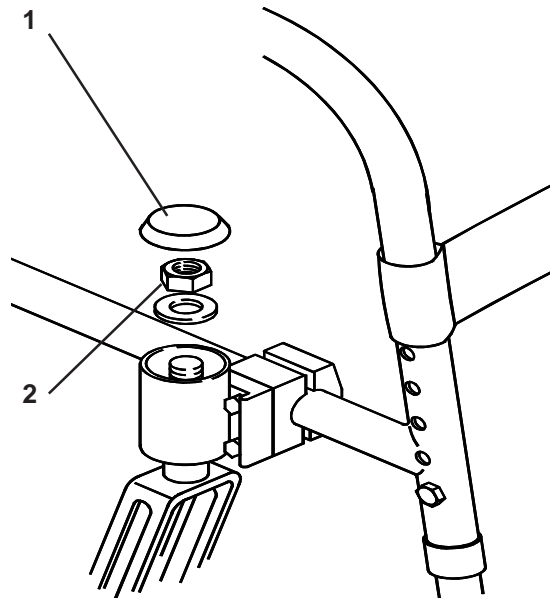


Fig. 48

Seat height adjustment

Two-hole castor forks allow you to interchange 125mm (5"), 150mm (6") and 200mm (8") castor wheels and to adjust the seat height (Fig. 49). To adjust, remove the axle bolt (1) and nut (2) with 13mm A/F spanners and remove the castor wheel (3). Either change the castor wheel size and/or position the castor wheel upward or downward in the desired pre-drilled holes (4) 25mm (1") apart on the castor fork (5). Replace the bolt and tighten to 27Nm torque. (Fixed front frame).

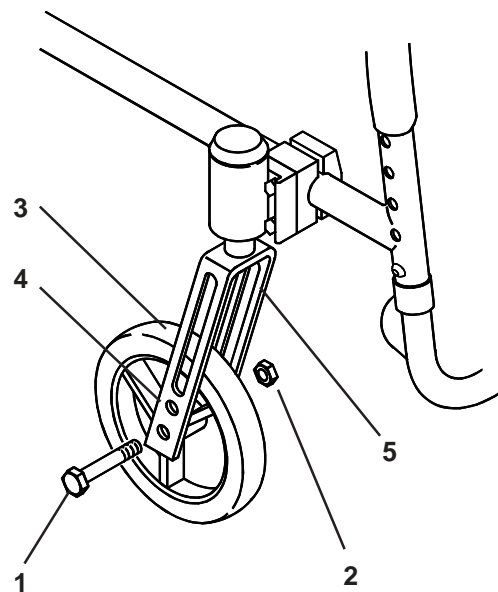


Fig. 49

Chair adjustments

Angle adjustment

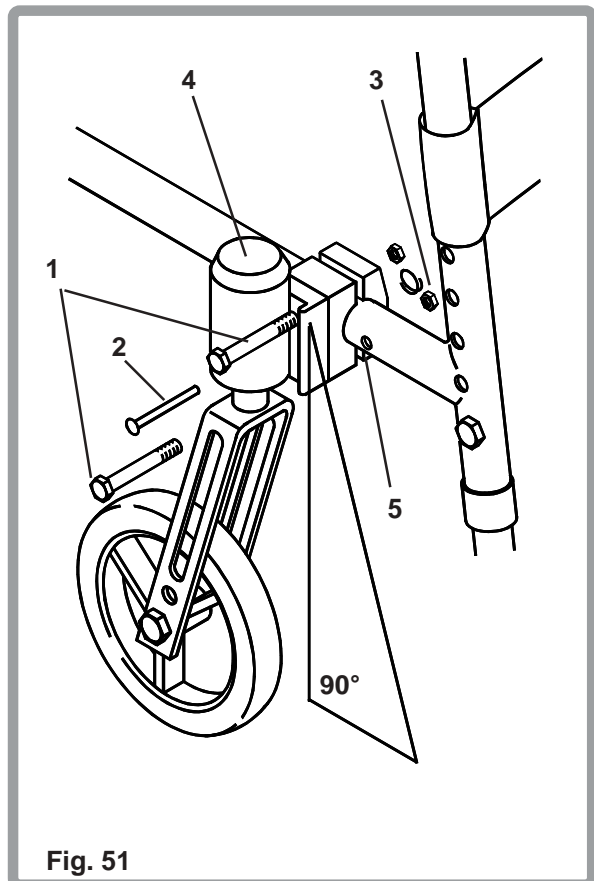
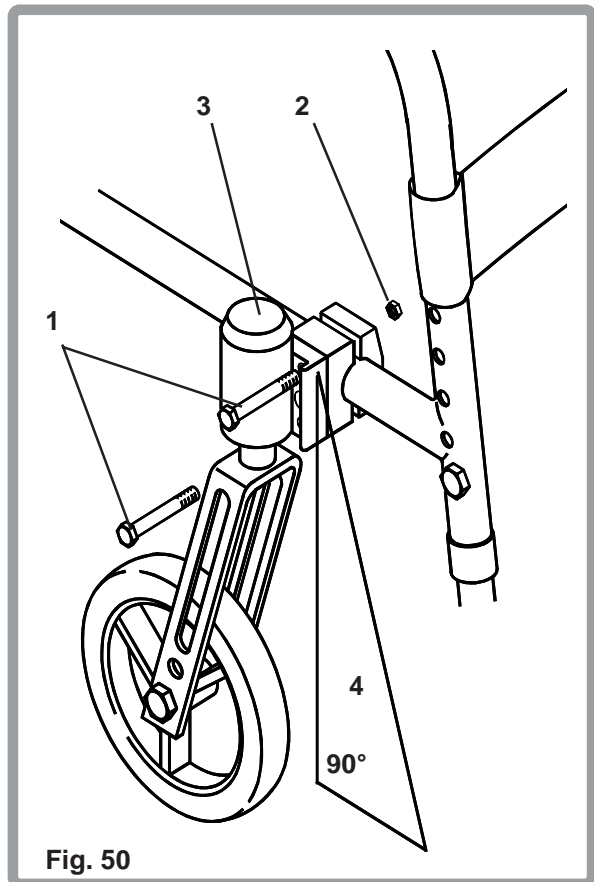
Place the chair on a flat surface (such as a table). Loosen the two eccentric bolts (1) and 10mm A/F nuts (2) that secure the castor assembly (3) to the frame (4). See Fig. 50. Follow the procedure detailed on page 34 for angle adjustment. (Fixed front frame).

Inside mounted

To inside mount castors, reverse positions of castor assemblies. Remove castor assemblies from frame (noting right positioned castor and left positioned castor). Inside mount right castor on the left side and inside mount the left castor on the right side.

Forward or backward placement

Loosen the two eccentric bolts (1). Remove the clevis pin (2) by taking off the locking spring (3). Slide the castor housing (4) forward or rearward and insert clevis pin into one of three pre-drilled frame holes (5). Follow the procedure for angle adjustment given above. Repeat the process for the other castor (Fig. 51). (Fixed front frame).



Chair adjustments

Seat sling

The seat sling can be re-tensioned through the use of Velcro® panels underneath the seat (2). Remove the No 2 Philips screws (1) retaining the left side of the seat sling with a No 2 Philips screwdriver, re-adjust the Velcro® to bring the sling to its correct tension. Replace the screws and tighten to 5-8Nm torque (Fig. 52).

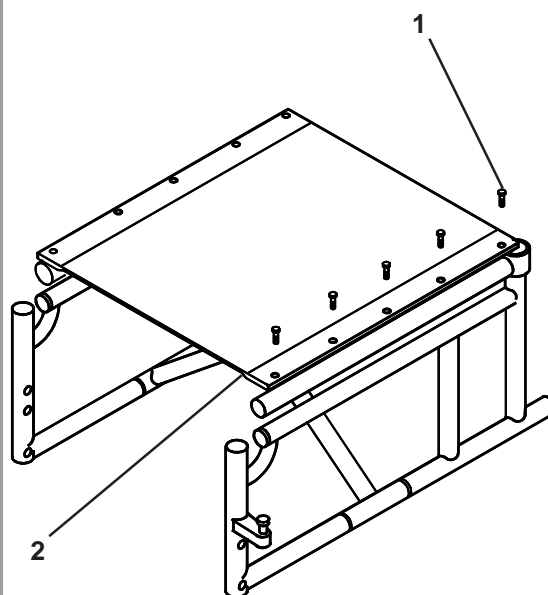


Fig. 52

Backrest height

To adjust the backrest height, first remove the upholstery (6), 10mm A/F backrest nuts (1), bolts (2), and upholstery tabs (3) on the rear frame tubes (4). Slide the backrest tubes (5) to the desired height. Replace the bolt, upholstery tab and nut (Fig. 53). Tighten to 8-10Nm torque.

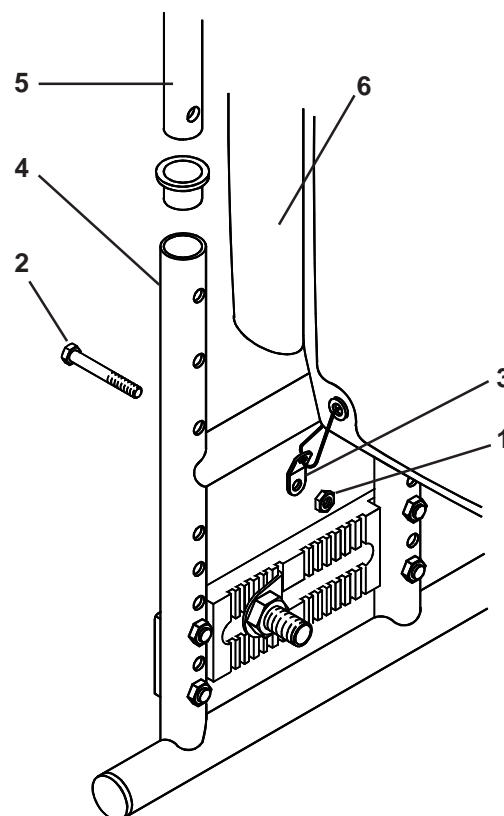


Fig. 53

Lap belt instructions

Note:

Lap belts are fitted as positional aids, and are not suitable as transportation restraints.

Step 1

Positioning belt kit. The Positioning belt kit contains, one positioning belt, three tri glide buckles and two cable ties.

Step 1



Step 2

To assemble the positioning belt. Take the positioning belt strap and thread through the tri-glide. Repeat on both ends of positioning belt.

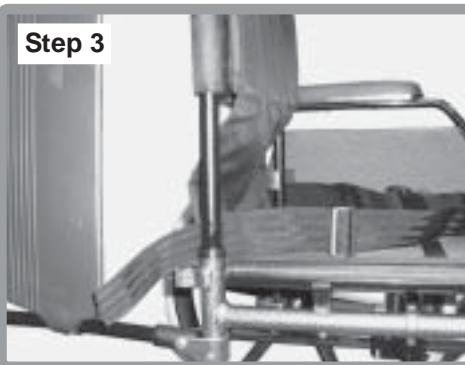
Step 2



Step 3

To fit the positioning belt to the chair. Take the positioning belt strap and wrap around back post.

Step 3



Step 4

Thread the positioning belt back through the tri-glide to form a loop around the back post. Thread positioning strap through tri-glide as shown in step 5.

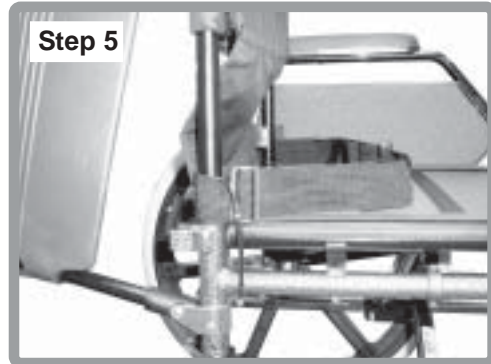
Step 4



Lap belt instructions

Step 5

To secure the positioning belt to the chair. Take one of the cable ties supplied and thread through the positioning belt strap. Then wrap around the frame and fasten together. DO NOT over tighten positioning belt. Repeat steps 3-5 with both ends of positioning belt.

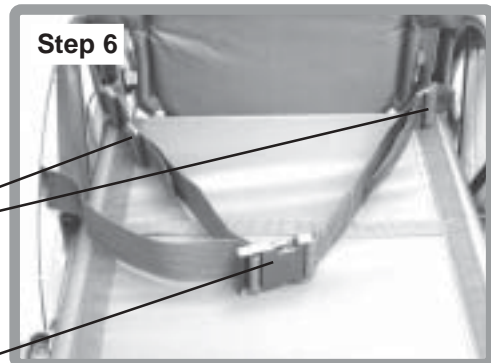


Step 6

To adjust the positioning belt use the tri-glide buckles and the fastening buckle.

Tri-glides

Fastening buckle



Step 7

Generally the Lab Belt should be fixed so that the straps sit at an angle of approximately 45°, and when correctly adjusted should not allow user to slip down in the seat.



Step 8

When fastened check space between belt and user, when correctly adjusted it should be possible to insert the flat of the hand between the belt and user.



Lap belt instructions

The positioning belt can be used on the Quickie RXS, Quickie 2, Breezy SLTL and Quickie 2 Millennium wheelchairs.

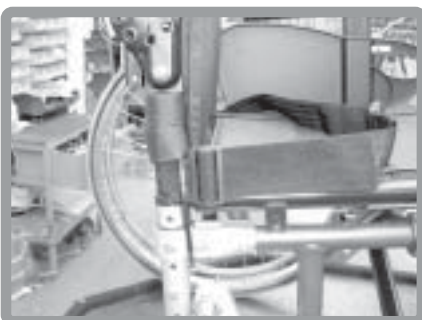
Quickie RXS:



Quickie 2:



Quickie 2 Millennium:



Breezy SL/TL:



Advice to client

The positioning belt must only be fitted by an approved Sunrise Medical dealer / agent. The positioning belt should only be adjusted by a professional, or a Sunrise Medical approved dealer / agent.

The positioning belt must be checked on a daily basis to ensure they are adjusted correctly (see step 7) and are free from any obstruction or adverse wear.

Sunrise Medical does not encourage the transportation of any person in a vehicle using this positioning belt as a method of restraint. Please see Sunrise Medical transit booklet for further advice on transportation.

Maintenance:

Check lap belt, and securing components, at regular intervals for any sign of frays, or damage. Replace if necessary.

NOTE:

The lap belt should be adjusted to suit the end user as detailed above. Sunrise Medical recommend that the length and fit of the belt be checked on a regular basis to reduce the risk of the end user inadvertently re-adjusting the belt to an excessive length.

Transportation

Transportation in vehicles

This wheelchair has been crash tested in its standard configuration. However, due to safety risks Sunrise Medical do not recommend the transportation of people in their wheelchairs.

Should a person need to be transported in the wheelchair on transport systems, the following should be adhered to:

1. The wheelchair must be positioned forward facing.
2. For tie down points on the wheelchair, please look for the tie-down symbols on the wheelchair.



3. A head restraint must be fitted and suitably positioned at all times during the transportation.
4. If possible, remove seat cushion to create a lower centre of gravity.
5. The chair is crash-tested, and has satisfied the Dynamic test requirements of ISO 7176-19.
6. The wheelchair must be secured by a 4-point Tie Down Restraint system, conforming to ISO 10542 part 2.
7. The occupant must be restrained independently of the wheelchair by a lap and diagonal safety belt, conforming to ISO 10542 part 3. Sunrise Medical postural lap belts are for postural support only, and not suitable as restraints during transportation.

8. Any detachable accessories or components of the wheelchair must be removed and stored securely in the vehicle luggage compartment during transportation.

9. The Tie down restraints should be fitted to the main frame of the wheelchair as indicated by the karabiner stickers, and in the User Manual, and not to any other part of the chair.

10. The Tie Down restraints should be attached as close as possible at an angle of 45°, and tightened securely in accordance with the restraint manufacturers' instructions.

11. The wheelchair parking brakes must be firmly applied.

Maintenance schedule

All Quickie GP wheelchairs leave the factory inspected and adjusted for immediate use. Continuous use will require routine maintenance and adjustments, especially if original settings are altered. Initial adjustment, carried out by your wheelchair prescriber/supplier, should accommodate your body structure and personal preference.

The following table gives an indication as to when routine maintenance checks should be made which will help sustain the life and efficiency of your wheelchair.

Quickie GP range CHECK LIST				
	WEEKLY	QUARTERLY	SIX MONTHLY	ANNUALLY
GENERAL				
1. Tyre pressure - 450 kilopascals/4.5 bar (65 psi) (rear wheels). 250 kilopascals/2.5 bar (36 psi) (castor wheels).	●			
2. Wheel locks - Check for loose fasteners.		●		
3. Castor (front) wheels - Check that the swing-away mechanism and castor wheel rotate freely.		●		
4. Roll of wheelchair - Check that the wheelchair rolls in a straight line with no excess drag or pull.		●		
6. Folding of the backrest - Check the backrest folds and opens smoothly. Check for loose fasteners.		●		
7. Armrests (swing-away) - Check that all fasteners are secure and that all mechanisms work freely.		●		
5. Seat sling and back upholstery - Check for wear or 'sagginess' in the upholstery.			●	
8. Complete inspection, safety check and service should be made by an authorised Sunrise Medical supplier or wheelchair agent.				●
9. Frame and axle plates			●	

Spoke Tension Maintenance

Check for loose or broken spokes every 3 months.

Tighten loose spokes so that they are the same tension as the others.

Contact an authorised dealer / maintenance centre to replace broken spokes.

Cleaning guidelines, accessories and tools

Cleaning guidelines

In addition to the maintenance checks on the previous page, general cleaning of both the frame and upholstery should be undertaken. To maintain its appearance the upholstery should be cleaned regularly. Light soiling can be removed by sponging with a mild detergent and warm water, wiping in the direction of the texture. Rinse off with clean water before allowing to dry.

▲ DO NOT PUT UPHOLSTERY IN A DRYER.

Do not use bleach or solvents.

If dirt is ingrained, the surface should be scrubbed with a soft brush.

The frame should be cleaned regularly with a non-abrasive cleaner followed by polishing with a non-abrasive automotive wax.

Accessories

Anti-tip tubes
Backpack
Caddy
Crutch holder
Leg strap
Positioning belts:
 Long Velcro® style 170cm (67")
 Short Velcro® style 145cm (57")
 Long buckle 163cm (64")
 Short buckle 137cm (54")
Seat pouch
Spoke guard - clear
Spoke guard - black
Step tube - left
Step tube - right
Swing-away tray table
Tool kit
Touch up paints
Tray table
 Extra small 26-30cm (10"-12")
 Small 33-36cm (13"-14")
JAY Seating and positioning systems are available.
Contact Customer Services for individual requirements.

Tools

To maintain the wheelchair you will need the following tools:-
An adjustable spanner
2, 3, 4, 5, 6 and 7mm Allen keys
3/32" Allen key
A spoke key
10, 13, 17 and 19mm A/F spanners
Phillips No. 2 screwdriver

Technical data

Quickie 2

Overall length with legrest	990mm
Overall width	698mm
Folded length	965mm min.-970mm max.
Folded width	325mm
Folded height	676mm min.-680mm max.
Total mass	13kg - 11kg (Kids)
Mass of heaviest part	10kg
Static stability downhill	21° min.-24.5° max.
Static stability uphill	5.5° min.-11.5° max.
Static stability sideways	19.5° min.-23° max.
Seat plane angle	7.4°
Effective seat depth	420mm
Effective seat width	451mm
Seat surface height at front edge	444mm
Backrest angle	10° min.-25° max.
Backrest height	415mm
Footrest to seat distance	345mm min.-467mm max.
Leg to seat surface angle	106°
Armrest to seat distance	304mm min.-427mm max.
Front location of armrest structure	244mm
Handrim diameter	534mm
Horizontal location of axle	40mm to front-50mm to rear
Minimum turning radius	720mm

Sunrise Medical

Your new Quickie 2 is manufactured in the West Midlands by Sunrise Medical. With over 30 years experience, we are one of the longest established mobility equipment manufacturers in the UK. All our Wheelchairs, Powerchairs, Scootas and Stairlifts undergo rigorous tests to ensure that they meet our requirements of comfort, safety and durability. Our success is based on the strong traditions of quality, value for money and genuinely caring for our customers.

We pride ourselves not only on designing and building the most innovative products, but also on our commitment to offer an excellent standard of customer service both during and after sale.



In addition to your new Quickie 2, Sunrise also manufacture oxygen concentrators, nebulizers, and hoists. We have a vast range of aids to daily living which include the Merlin Bath Lifter, bed accessories and walking sticks.

Should you require any information on our full range of products please call us on 01384 44 66 88 or contact us at:

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