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# SURF N TURF WHEEL CHAIR

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**DRAFT**

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## USER MANUAL

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## General Features

- Proudly Australian made.
- 150kg max capacity
- One piece sling style seating with integrated leg rest.
- Infinite adjustment of both leg rest and backrest allowing the chair to convert into a flat stretcher while still maintaining stability.
- Adjustable seat base angle (tilt in space) for greater comfort and to accommodate every body shape.
- Fold away arm rests.
- Materials chosen specifically to minimise maintenance and increase life in the harsh beach environment.
- All marine grade aluminium construction for weight saving and corrosion resistance.
- Modular design allowing the fitment of specific beach, bush and road going wheels/tyres.
- Rear locking brakes.
- Adjustable and lockable steering for stability and safety at the water's edge.
- All four wheels the same size reducing bounce and push effort in soft sand.
- Unique articulated steering design that does away with traditional swivelling wheels for turning.
- All adjustment is tool less and designed to prevent damage from overtightening.
- Component based design. Should something break or need to be upgraded there is no need for complex tooling or send the chair away for repair.
- The one chair can be a beach-chair an all-terrain chair or even a jogging-chair.
- Security fasteners throughout. Tamper proof design for councils and institutions who wish to rent or lend the chair out.

# Important

## Definitions

1)For the purposes of this manual, we are referencing the occupant of the chair to be known as the Person.

2)The people who will be aiding the person will be the known as the carer, or carers.

# Assembly

The Surf N Turf wheel chair will normally be delivered in a box.

Inside the box, you will see that the majority of the chair is already assembled, apart from the following components:

## Axles

There are 4 axles to be installed, and they are all identical.

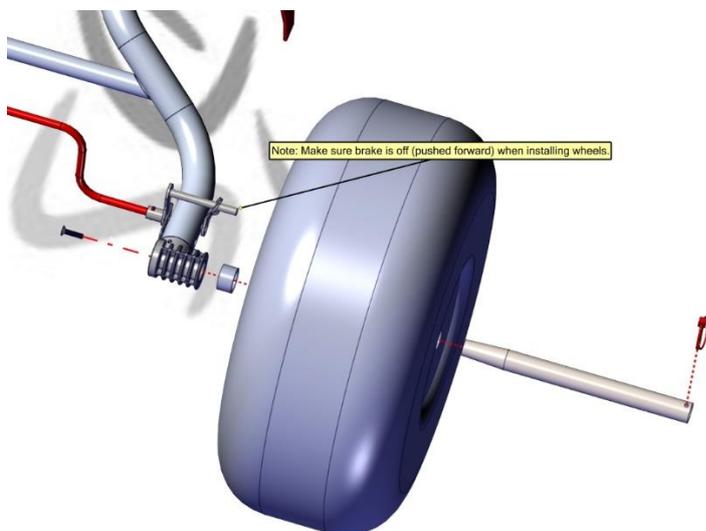
They are each retained by one screw (Allen key supplied).

The same axles are installed in all four positions for the wheels (any axle in any position).

The axles will differ for the three (3) different types of wheels you are installing, depending whether you are purchasing the Wheeleez sand wheels, the all-terrain rubber wheels, or the BMX Bike wheels. Different axles are needed for the different wheels.

NOTE: If you are purchasing more than one type of wheel, you need to be certain you are installing the correct axle for those wheels.

Note also : If you are installing the axles for the Wheeleez, or the All-Terrain, it is best to ensure that the holes at the end of the axle, through which you will secure the wheel with a lynchpin, are vertical (ie. hole at the top) – makes it easier to insert the pin.



## Wheels

The wheels are different at the front from those at the rear.

The rear wheels have the footbrake sprocket attached, which needs to go on the inside of the wheel (refer to braking section).

They are fixed to the axle by the lynchpin (mentioned above).

## Arm Rests

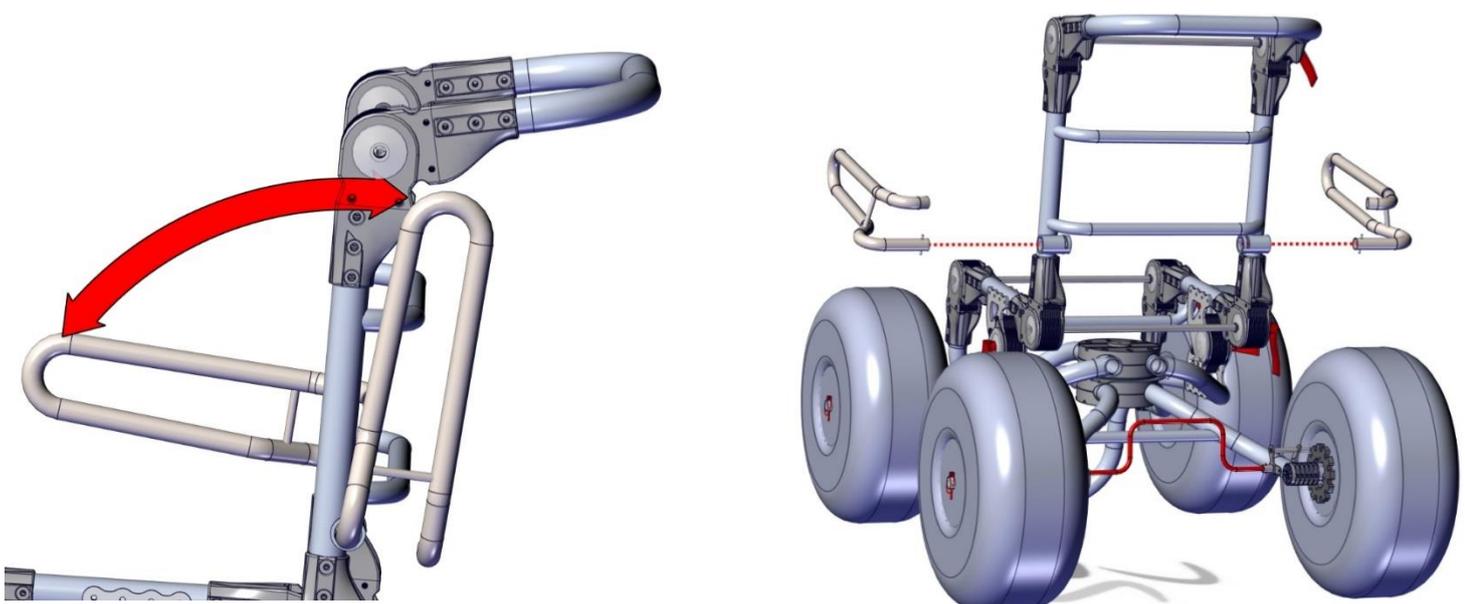
The arm rests (see Diagram), need to be inserted, ensuring that the padded part is at the top.

There are special spring clips which will lock the rests into place when you insert them.

As the arm rests are lowered or raised, the clips move also, within their “slots” in the frame, therefore limiting the movement of the armrest.

The clips are to be removed, to allow the removal of the armrests when the chair back rest is laid back into the “stretcher” mode.

You can leave the arm rests in place, but you will need to maintain the armrests in their normal position (ie perpendicular to the back rest), otherwise they may interfere with the rear wheels.



## Dimensions

Seat width	490mm
Seat depth	480mm
Seat back height	580mm
Leg rest length	550mm
Distance between armrests	510mm
Stretcher Length	1650mm
Average seat height from ground	550mm
Seat height from ground	550mm
Overall Length	1355mm
Overall Width Beach wheels fitted	1013mm
Overall Width Bicycle wheels fitted	720mm
Overall Weight Beach Wheels fitted	37kg
Overall Weight Bicycle Wheels fitted	32kg

## Safety Instructions

**It is very important that all Wheel Chair Occupants and/or Carers be given a copy of this safety document to keep and to read. This will ensure that all responsible people are aware of the primary safety instructions/ issues, prior to using the Surf N Turf.**

**If any part of the Surf N Turf manual and instructions are not clear, please contact either your local health representative, or Innovative Care Solutions ([www.icsaustralia.com.au](http://www.icsaustralia.com.au)) for additional information and clarification, prior to usage.**

- 1.** This chair is not a flotation device.
- 2.** We suggest this product must be used under the supervision of at least two appropriate adult carers for water activities and a minimum of at least one adult carer for all other activities.
- 3.** This product may be difficult to push in some conditions and may be difficult to push with a very large person in it.
- 4.** When fitted with beach, or all-terrain wheels, this product should not be used in water deeper than 15 cm (6 inches), as it can float due to its oversized wheels.
- 5.** This product should not be used in waves or surf conditions. It is recommended to be used in low tides and calm conditions.
- 6.** As a safety measure, we recommend straps not to be used if this chair is entering water.
- 7.** This product has oversized wheels. Special care is needed when transferring persons into and out of the chair due to the distance over the wheels to the wheelchair seat base. Occupants in the chair should not attempt to transfer themselves without other assistance. The armrests raise to aid in the transfer.
- 8.** Occupants in the chair should not try to use this product on their own. It is designed to be pushed by someone else, other than the person sitting in it.
- 9.** If the occupant is prone to pressure sores, back pain, or other pain related to their condition, then medical advice is to be sought prior to using this product.

**10.**

People with severe balance or sitting problems should consult their doctor and/or appropriate healthcare professional prior to using this chair. More specific requirements may be needed.

**11.**

Persons and/or appropriate carers must take into consideration all special needs of the user and their associated disabilities, as these may affect the usage of this product.

**12.**

This product is suitable to be used on many surfaces including sand, snow, bitumen, gravel, grass and many other different terrains, as well as indoors. However, it should not be used on very uneven terrains or steep slopes, as these may result in the wheel chair overturning and/ or overpowering the career.

**13.**

This product has a maximum Safe Weight Loading (**SWL**) of **150 kgs**.

# FEATURES

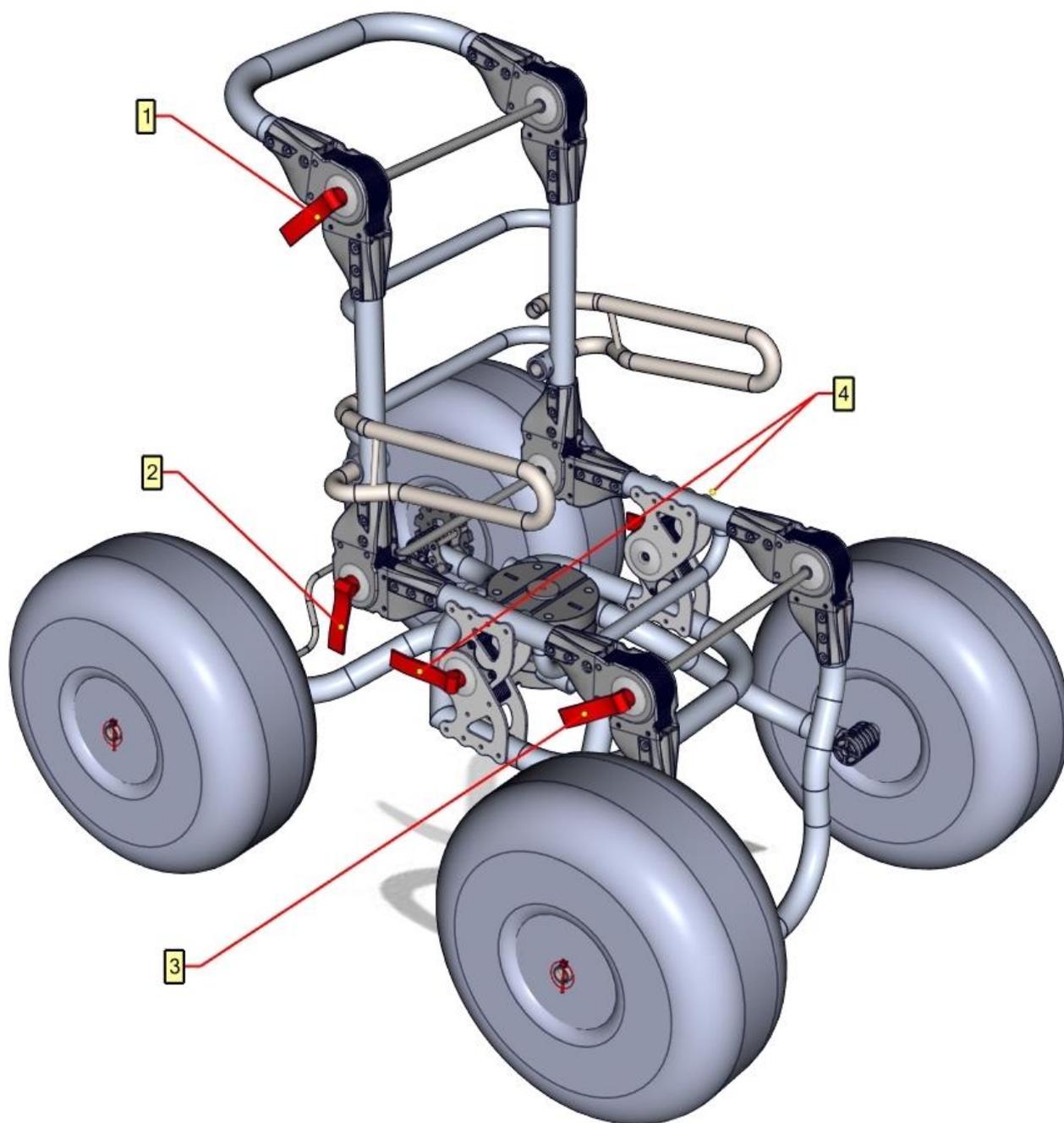
## Flexibility and Comfort

The Surf N Turf can be adjusted to suit a wide variety of persons.

The main areas of the chair that are adjustable are:

- 1) the push handle,
- 2) the backrest,
- 3) the leg rest.
- 4) the “tilt-in-space” seat base,

Refer to the following diagram:



## Push Handle.

The locking lever (numbered 1) allows the push handle to be adjusted to different heights, for the comfort of the carer.

This lever is on the right side of the chair.

When the chair is in the “stretcher” mode, the push handle can be adjusted through 180 degrees, to an upright position, allowing the “stretcher” to be pushed from a comfortable height.

**NOTE:** You may need to re-position the person to ensure they have adequate head clearance from the push handle.

Back rest.

The locking lever (numbered 2) allows the back rest to be adjusted infinitely, to different positions for the comfort of the person.

The back rest may be laid flat.

When in “stretcher” mode, try and keep the person’s weight evenly distributed over the “tilt in space” lever

This lever is on the right side of the chair.

Tilt in Space/ Seat Base Tilt.

Allows the seat to be tilted whilst maintaining a comfortable seating position for the person.

The locking levers (numbered 4) control the angle of the tilt of the seat.

**IMPORTANT** - there are 2 equivalent levers.

One on both the left and right side of the chair.

They **BOTH** need to be adjusted together.

These allow the seat base (and the whole seat assembly) to be adjusted (tilted) either backward or forward in position by the carer, depending on the required sitting or lying position for the person.

It is a “tilt in space”, to many different positions for the comfort of the person, including being manoeuvred into the horizontal position for the “stretcher”.

As mentioned previously, this locking lever is on both sides of the chair.

NOTE: This adjustment is very important. For example, if the person has a likelihood to slide out of their required position, the carer may need to increase the tilt backward, and then adjust both the backrest and the seat to compensate.

### Leg Rest.

The locking lever (numbered 3) allows the leg rest to be adjusted up or down in position, depending on the required leg position in conjunction with the seat base, to many different positions for the comfort of the person.

This lever is on the right side of the chair.

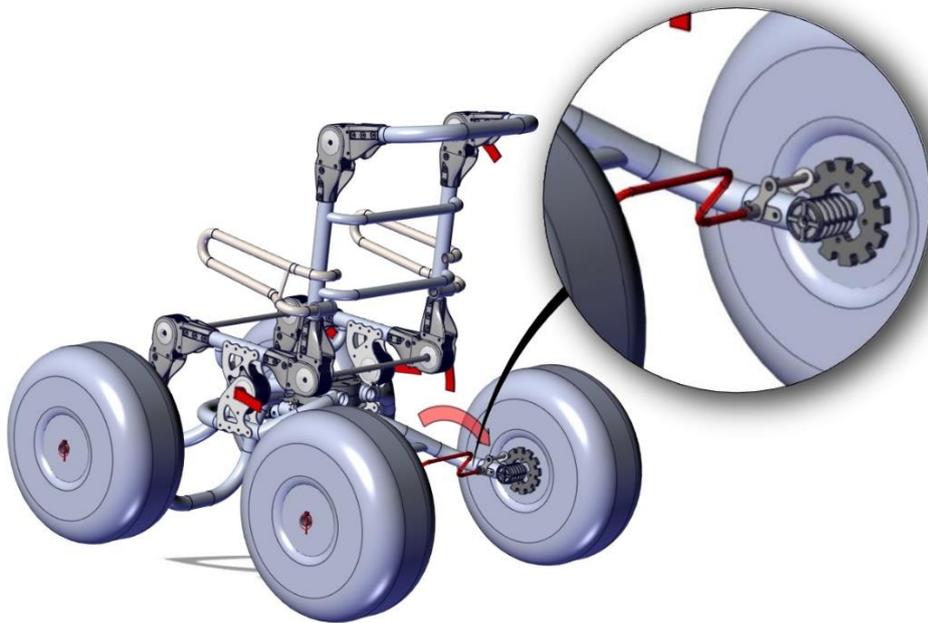
## Braking

This chair is fitted with a footbrake (**RED**) at the rear of the frame between the rear wheels (see Diagrams below).

It is applied by the carer, by using their foot to move the **RED** lever **back**, to overcome the spring. The spring will then do the work for you.

If the brake does not lock immediately, a slight roll of the chair will allow the brake to engage. **DO NOT FORCE**.

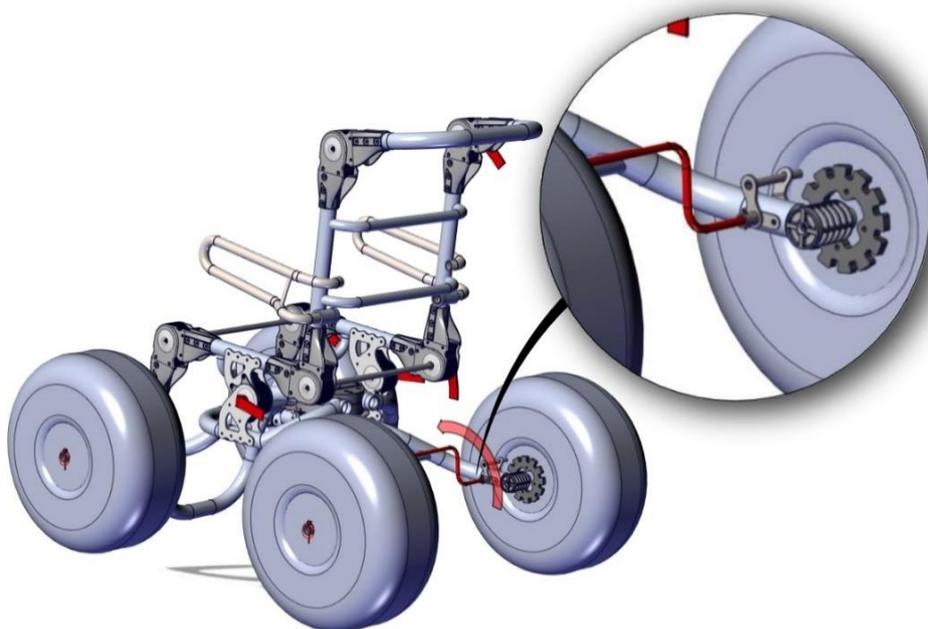
Both rear wheels have the brake disc.



The brake is released by moving the **RED** lever forward, until the spring pulls the lever to the “off” position. It will not release automatically.

See below.....

Remember.....forward to go !!



## Steering Control

This chair is fitted with an adjustable steering control selector, to “limit” the angle through which the steering can be turned.

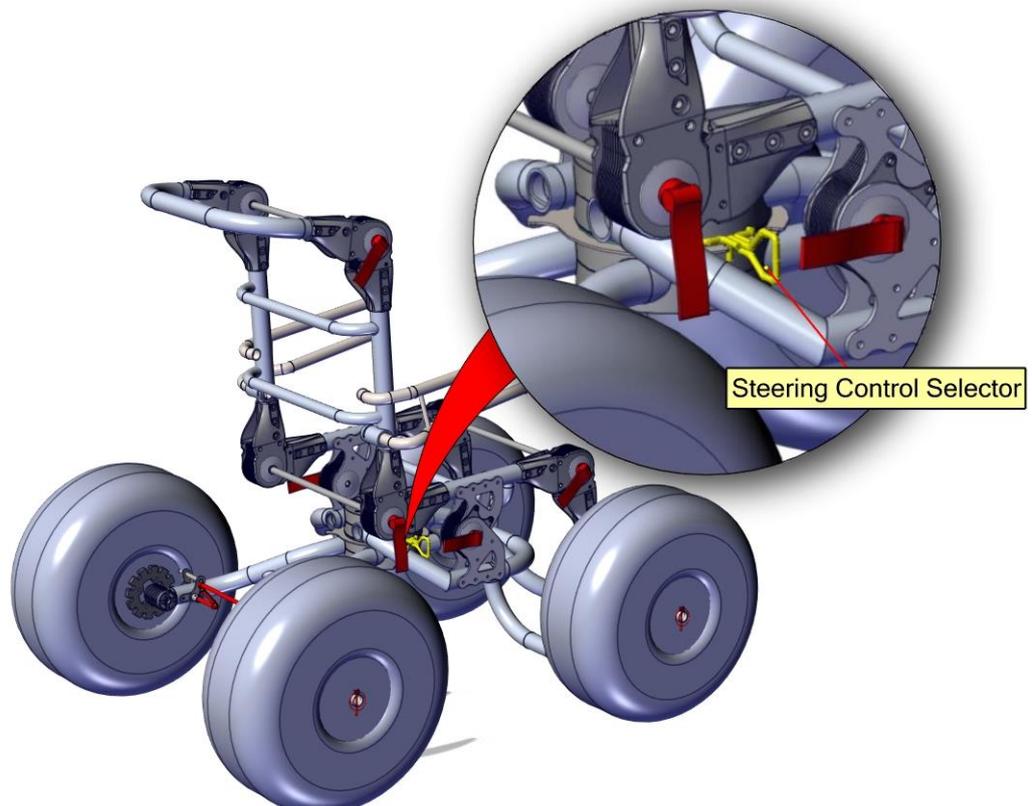
If the chair is to be pushed on uneven terrains, where there is the ability for the chair to want “to wander” to the sides, we want to limit that possibility, and increase our control by limiting the steering to even, in extreme cases, no steering, just a “straight ahead” situation.

**This is specifically important**, depending on the size and weight of the person.

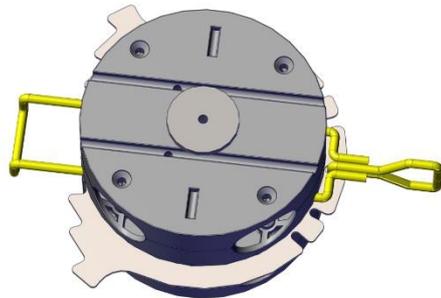
On flat, level ground and confined spaces, you will need as much steering as possible.

On the right side of the central steering, under the seat base, where the forward and rear frames interface, there is a steering selector (see Diagram).

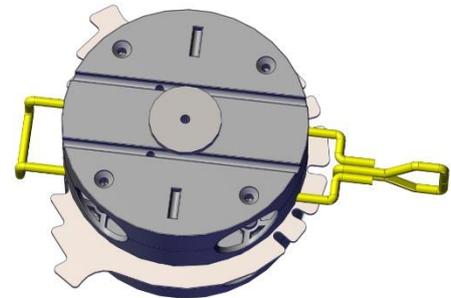
This “selector” is activated by pushing in or pulling out, to change to any one of 4 steering positions.



Below are the control selector positions:



Position #1 Steering Locked



Position #2 Maximum manoeuvrability Minimum stability

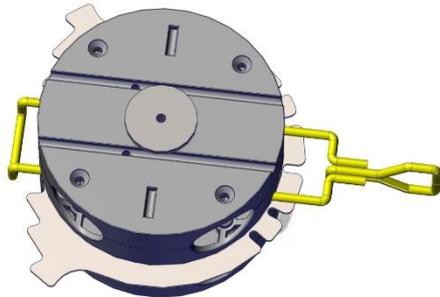
#### Position 1.

- Locked.
- This is when the selector is pushed fully in.
  - Ensure that the selector is pushed fully into the slot below it.
  - This is when the selector is in the “closed” position. In this position the chair will not turn. It will only travel forward and backward in a straight line.

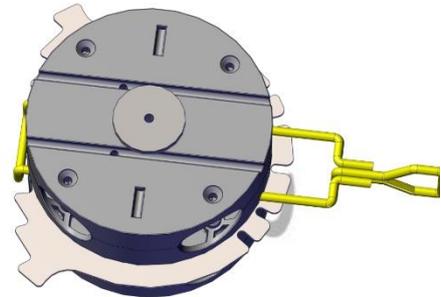
#### Position 2.

- First “click” out from Locked.
- In this position the chair is able to turn to its maximum.  
The chair, in this position, will have a much tighter turning circle than it would if adjusted to the two following positions.
- The chair is very manoeuvrable.

Please note: When the chair is turning on full lock, the carer needs to be mindful that the chair is in its least stable state.



Position #3 Balanced Manoeuvrability and Stability



Position #4 Minimal steering Great Stability

#### Position 3.

- Second “click” out from Locked.
- In this position the chair will turn to a lesser extent, yet still allow good control.

#### Position 4.

- Third “click” out from Locked.
- is when the selector is fully out, furthest away from the centre.
- In this position the chair will turn but very limited, and the turning circle will be larger.
- The stability will be at its greatest, yet still able to be manoeuvred.

# Maintenance

## Wheels and Tyres

Depending on the wheels and tyres you have purchased, certain components need to be maintained:

Wheeleez wheels – Tyre pressures need to be maintained. Pressures must be kept between 2-4 Psi as stated on the sidewall of the tyre.

All terrain wheels - tyre pressures need to be maintained. The pressures may be varied for optimum performance on different terrain. Tyres **MUST** be kept between 7 – 10 PSI, and the pressures need to be checked monthly.

Bike wheels - Tyre pressures need to be maintained. Tyres **MUST** be kept between within the pressure range prescribed on the sidewall off the tyre.

## Cleaning

After use, the wheel chair should be hosed down with fresh water, paying particular attention to axles and bearings, clutch plates and levers, and removable parts such as arm rests. The use of a good car wash with wax will help to maintain your chair in tip top condition.

## Warranty

- 1) This product is subject to a limited non-transferrable warranty of 3 years from the date of purchase on Frame and 24 months on wheels and upholstery.
- 2) This warranty applies to damages as a direct result of manufacturing faults.
- 3) This warranty does not apply to chair fabric and/ or tyre damage caused by sharp objects.
- 4) The manufacturer reserves the right to repair or replace returned products at their discretion, or to refuse claims arising from willful damages, or failure to carry out specified maintenance, or modification and misuse of the product, subject to NSW and Australian Fair Trading laws.
- 5) Products sold and based internationally, will be shipped from and to the manufacturer at the purchaser's expense.