

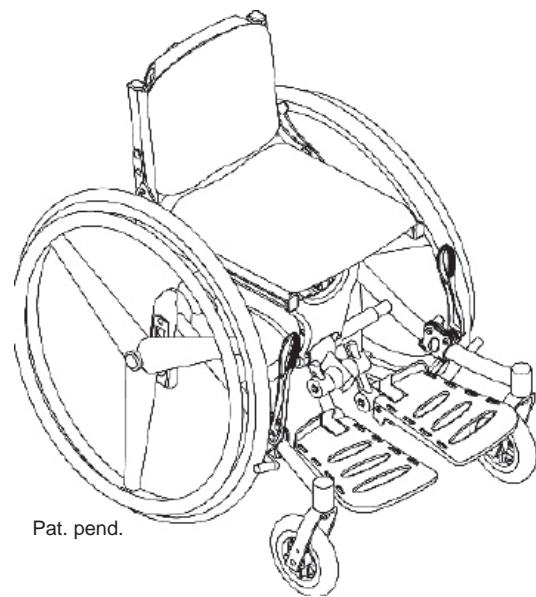
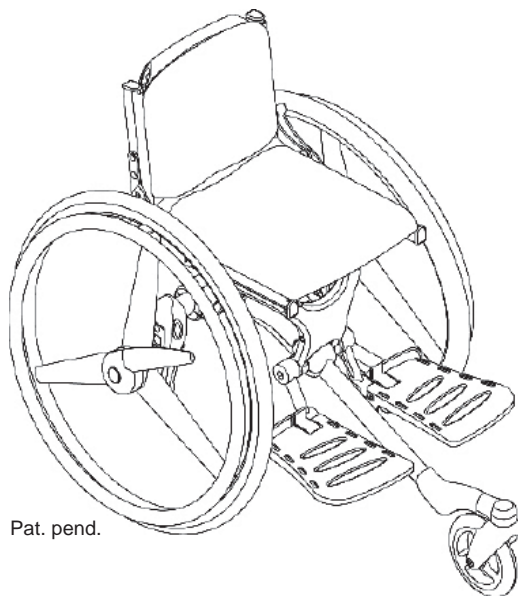


# cheetah<sup>TM</sup>

United States user manual

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## CHEETAH

The Cheetah is an active wheelchair, developed for the active child who both wants to and can move around on their own. With this wheelchair, the child has every opportunity of moving around and being together with other children, still with exceptional seating comfort as the main focus. The Cheetah is delivered either as a 3-wheel or 4-wheel model.


This user manual is meant as a guide to assist the user in gaining the full benefit of the many options offered by the Cheetah. Therefore we recommend that you go through this manual before the Cheetah is put into use.


## SAFETY

The Cheetah has earned the CE-mark. This certifies that it meets all relevant European safety requirements. The Cheetah has also been registered with the US FDA (Food and Drug Administration).



Further the Cheetah is approved according to EN 12182 and EN 12183. This manual is approved according to ISO 7176-15 and EN 1041.

 Remove the CE-mark, when rebuilding the product or when using other than original R82 spare parts.

 Never leave your child unattended in this product. Ensure permanent supervision by an adult. Incorrect use of the Cheetah may cause serious injury to the user. Take care that all the fixations and adjustments are placed and fitted correctly and check

## WARRANTY

R82/Snug Seat warrants the Cheetah wheelchair, including the frame and stainless steel quick release rear axles, against defects in materials and workmanship for five years.

All R82/Snug Seat manufactured and distributed parts and frame attachment components, including, but not limited to, rigid side guards, antitips, push handles, wheel locks, drum brakes, caster forks, hubs, armrests, caster and bearings for front wheel assembly and axles are warranted against defects in materials and workmanship for one year from date of purchase. Items not warranted include all tires and tubes, upholstery, and foam or padded parts.

R82/Snug Seat will repair or replace, at R82/Snug Seat's sole discretion, the wheelchair, its parts or components provided an authorization for return has been approved by R82/Snug Seat, and the part in question is returned to Snug Seat, 12801 E. Independence Blvd., Stallings, NC, 28105 within the prescribed period of warranty.

Cheetah's returned to Snug Seat on which the serial number has been removed or altered will not be repaired or replaced, and the warranty will be voided.

R82/Snug Seat will not warranty and parts damaged by improper installation and/or repair, neglect, accident or misuse on the part of the owner, nor those parts altered or serviced by an agency not authorized by Snug Seat. R82/Snug Seat will not warranty the frame or any parts damaged when the maximum weight limit of 155 pounds is exceeded. Damage to the frame or components resulting from use of tire downs and/or seat restraints will not be covered by the R82/Snug Seat warranty.

R82/Snug Seat's sole liability extends to repair or replacement of the wheelchair, its parts or components, as specified herein. The foregoing is in lieu of all other warranties, expressed, implied, or statutory, whether written or oral.

## TOOLS

There is a tool bag at the back of the chair with 3, 4, 5 and 6 mm Allen keys. Use these tools for the adjustments described in the manual. You will also find a set of reflector stickers which may be adhered to the chair. We recommend that you place the reflector stickers on the front by the front wheels, on the back under the seat and on the sides of the chair.

## WASHING

The cover on the Cheetah is removable and washable at 104°. Further, regular vacuum cleaning and brushing will help to preserve the fabric's colour and appearance year after year. It is important to keep the frame clean to maintain the warranty of the chair.

## MAINTENANCE

- Check the tires regularly for air.  
*Air pressure: 110 PSI/7,5 bar/750 kPa - 36 PSI/3,5 bar/350 kPa.*
- Check the function of the hand brake regularly. Safety distance between the wheel and the brake block is: 8-10 mm
- Clean the frame on a regular basis, especially when it has been in contact with rainwater / saline water.



Adjustments which are not described in this manual, must only be made by authorized R82 personnel.



Oil the swing away parts, the turn handle and the spring boxes occasionally. We recommend use of a synthetic teflon oil.



Do not use any cleaning materials containing chlorine or methylated spirit. Please find the stain removal guide in the back of the manual.

## WARNINGS

Do not operate this wheelchair without first reading and understanding this manual. If you are unable to understand the warning and instructions contact your dealer or Snug Seat, Inc. at (800) 336-7684 before attempting to use the wheelchair. If you fail to pay attention to these warnings damage to your chair, a fall, tip-over, or loss of control may occur resulting in severe injury to the rider or others.

### Save These Instructions

#### Notice

**The information contained in this document is subject to change without notice.**

#### Operating Information

Never exceed the weight limit of 155 pounds (71 kg), for the combined weight of the rider and items carried. If you do exceed the weight limit, damage to your chair, a fall, tip-over or loss of control may occur and cause severe injury to the rider or others.

#### Before each use of your wheelchair:

1. Make sure the chair rolls easily and that all parts work smoothly. Check for noise, vibration, or a change in ease of use. (They may indicate low tire pressure, loose fasteners, or damage to the chair).
2. Repair any problem. Your authorized supplier can help you find and correct the problem.
3. The rear wheel axles must be full engaged before using the wheelchair. The locking pins must be protruding past the inside of the rear wheel axle bushing for a positive lock. If not locked, a wheel may come off and cause the user to fall.
4. Lock the antitips in place.
5. If the wheelchair is equipped with the optional reclining back, make sure the back is locked securely before using the wheelchair. Failure to do so may result in injury.

To determine and establish your particular safety limits, practice bending, reaching and transferring activities in several combinations in the presence of a qualified health care professional before attempting active use of the wheelchair.

Do not attempt to reach objects if you have to move forward in the seat.

Do not attempt to reach objects if you have to pick them up from the floor by reaching down between your knees.

Do not lean over the top of the backrest to reach objects from behind as this may cause the chair to tip over.

Do not shift your weight or sitting position toward the direction you are reaching as the wheelchair may tip over.

Do not tilt the wheelchair without assistance.

Do not use an escalator to move a wheelchair between floors. Serious bodily injury may occur.

## WARNINGS CONTINUED

Before attempting to transfer in or out of the wheelchair, every precaution should be taken to reduce the transfer distance. Turn both casters toward the object you are transferring to. R82 suggests engaging the wheel locks, or drum brakes, to prevent the wheels from moving when transferring.

Do not operate on roads, street or highways.

Do not operate the chair in sand, loose soil or over rough terrain. This may damage wheels or axles, or loosen fasteners of your chair.

Exercise caution when going up or down steep slopes or ramps.

Do not attempt to move up or down an incline with a water, ice or oily film.

Contact with water or excess moisture may cause your chair to rust or corrode. This could cause your chair to fail. Dry your chair as soon as possible if it gets wet, or if you use water to clean it.

Do not attempt to ride over curbs or obstacles. Doing so may cause your chair to turn over and cause bodily harm or damage to the chair.

Do not use parts, accessories, or adapters other than those authorized by R82 or Snug Seat.

Do not attempt to lift the wheelchair by any removable (detachable) parts.

Do not use the footplate as a platform when getting in or out of the wheelchair.

Do not stand on the wheelchair frame or seat.

The wheelchair user should always wear a seat restraint if one is recommended.

Snug Seat recommends the use of wheel locks at all times.

Do not use the chair unless it has the proper tire pressure (psi). Do not over-inflate the tires. Failure to follow these suggestions may cause the tire to explode and cause bodily harm.

Note: Recommended tire pressure is indicated on the sidewall of the tire.

Replacement of a pneumatic tire or tube must be performed by a qualified R82/Snug Seat dealer or qualified technician.

Antitips must be attached at all times. Since the antitips are an option on this wheelchair, R82 strongly recommends ordering antitips as an additional safeguard for the wheelchair user.

The user should always use a seat-positioning strap. Since the seat-positioning strap is an option on this wheelchair, R82 strongly recommends ordering the seat-positioning strap as an additional safeguard for the wheelchair user.

## WARNINGS CONTINUED

Always use the handrims for self-propulsion. Since the handrims are an option on this wheelchair, R82 strongly recommends ordering the handrims as an additional safeguard for the wheelchair user.

Never use this wheelchair for weight training or other sports activities such as tennis, basketball, rugby, etc. The Cheetah has not been designed or tested for any kind of weight training or sports. If occupant uses this wheelchair for any of these activities, R82/Snug Seat shall not be liable for bodily injury and the warranty will be voided immediately.

### **Safety/Handling Of Wheelchairs**

Safety and handling of the wheelchair requires the close attention of the user as well as the assistant. This manual points out the most common procedures and techniques involved in the wheelchair's safe operation and maintenance. It is important to practice and master these safe techniques until you are comfortable maneuvering around frequently encountered architectural barriers.

Use this information only as a basic guide. Many people have used the techniques that are discussed on the following pages successfully.

Individual wheelchair users often develop skills to deal with daily living activities that may differ from those described in this manual. R82/Snug Seat recognizes and encourages each individual to try what works best for him/her in overcoming architectural obstacles they may encounter. Techniques in this manual are a starting point for the new wheelchair user and assistant with safety as the most important consideration for all.

### **Stability and Balance**

To assure stability and proper operation of your wheelchair, you must, at all times, maintain proper balance. Your wheelchair has been designed to remain upright and stable during normal daily activities as long as you do not move beyond the center of gravity.

Virtually all activities that involve movement in the chair have an effect on the center of gravity.

Do not lean forward out of the chair any further than stability allows. Make sure the casters are trailing forward whenever you lean forward. This can be achieved by advancing the chair and then reversing it in a straight line.

### **Coping With Everyday Obstacles**

Coping with the irritation of everyday obstacles can be alleviated somewhat by learning how to manage your wheelchair. Keep in mind your center of gravity to maintain stability and balance.

### **A Note To Wheelchair Assistants**

When assistance to the wheelchair user is required, remember to use good body mechanics. Keep your back straight and bend your knees whenever tilting the chair or traversing curbs, or other impediments. Also, be aware of any removable (detachable) parts. These must never be used for handhold or lifting supports, as they may inadvertently release, resulting in possible injury to the user and/or assistant(s). When learning a new technique, have an experienced assistant help you before attempting it alone.



## WARNINGS CONTINUED

### **Tilting**

Caution – Do not tilt the chair without assistance. When tilting the wheelchair, an assistant should grasp the back of the chair on a non-removable (non-detachable) part. Do not use the attendant handle to tilt the chair. Inform the chair occupant before tilting the chair and remind him/her to lean back. Be sure the occupant's feet and hands are clear of all wheels. Apply a continuous motion until the balance point is achieved. At this point, the assistant will feel a difference in the weight distribution. Turn the chair in the desired direction if necessary. Slowly lower the chair in one continuous movement. Do not let the chair drop the last few inches to the ground. This could result in injury to the occupant.

### **Tilting: Curbs Or Steps**

Warning – R82/Snug Seat does not recommend that these wheelchairs be used where curbs present an obstacle.

After mastering the techniques of tilting the chair, use this procedure to tackle curbs, short stairs, etc.

**Method 1** – The attendant should tilt the chair until the front casters clear the curb. Roll the chair forward and lower the front casters to the sidewalk. Push the chair forward until the rear wheels roll up and over the curb.

**Method 2** – Unless the first assistant has exceptional upper body strength, it is recommended that Method 2 utilize two assistants. The second assistant should be positioned at the front of the wheelchair lifting upward on a non-removable (non-detachable) part of the wheelchair frame when lifting the wheelchair and stabilizing the wheelchair when the wheelchair is being lowered to the ground.

The first attendant should stand on the sidewalk and turn the wheelchair so the rear wheels are against the curb or step. The wheelchair should be tilted back to the balance point and, in one continuous movement, the rear wheels should be pulled up and over the curb or step. Do not return the front casters to the ground until the wheelchair has been pulled backwards far enough for the front casters to clear the edge of the curb or step.

### **Tilting: Stairways**

Warning – Concerning stairway access: R82/Snug Seat does not recommend that the Cheetah be transported up or down stairways with an occupant in the wheelchair.

Do not attempt to lift wheelchair by lifting on any removable (detachable) parts. Lifting by means of removable (detachable) parts of a wheelchair may result in injury to the user or attendant, and damage to the wheelchair. Extreme caution is advised when it is necessary to move an occupied wheelchair up or down a stairway. R82/Snug Seat recommends using two (2) assistants and making thorough preparations. Make sure to use only secure, non-detachable parts for handhold supports.

Follow this procedure for moving the chair between floors when an elevator is not available:

1. After the chair has been tilted back to the balance point, one assistant (in the rear) backs the chair up against the first step, while securely grasping a non-removable (non-detachable) part of the chair for leverage.
2. The second assistant, with a firm hold on a non-detachable part of the framework, lifts the chair up and over the stair and steadies it as the first assistant places one foot on the next stair and repeats the procedure.
3. The front of the chair should not be lowered until the last stair has been negotiated and it has been rolled away from the stairway.

## WARNINGS CONTINUED

### **Transferring To And From Other Seats**

Warning – Before attempting to transfer in or out of the wheelchair, every precaution should be taken to reduce the transfer distance. Turn both casters toward the object you are transferring onto. Also be certain both wheel locks or drum brakes are engaged to help prevent the wheels from moving. Caution – When transferring, position yourself to a safe position on the seat. This will prevent damage to upholstery and the possibility of the wheelchair tipping forward.

Note: This activity may be performed independently provided you have adequate mobility and upper body strength.

During independent transfer, little or no seat surface will be beneath you. Use a transfer board if at all possible.

R82/Snug Seat recommends you place your feet on the floor when transferring from your chair.

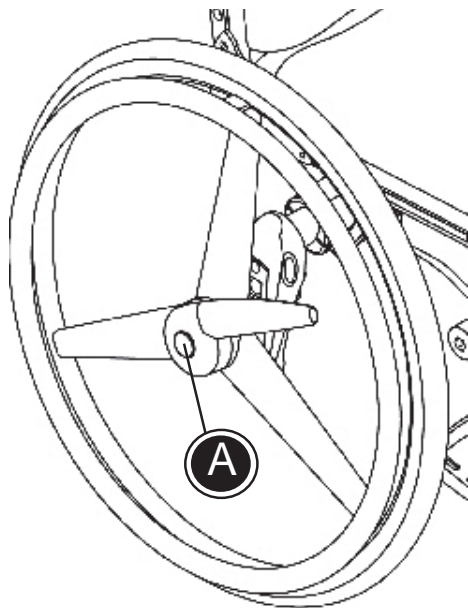
## MOUNTING AND DISMOUNTING FROM THE CHAIR

Before placing the user into the Cheetah the brakes have to be locked in place.

Place the user into the Cheetah and adjust the accessories to achieve the optimal seating for the child.



Further, go to the pages concerning transfer armrest and side plate.



## QUICK RELEASE

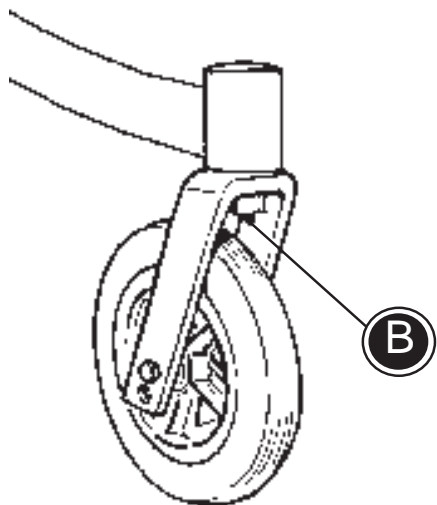
Cheetah is, as standard, supplied with removable Quick Release driving wheels, which means fast and easy dimounting of the wheels, when for example the wheelchair has to be transported.

### Quick Release driving wheels:

Push and hold the release button (A) and pull out the wheel. Make sure that the wheel "clicks" into place when remounting.

### Quick Release front wheel (Optional):

Push the release button (B) and pull down the front fork and wheel. Make sure that the wheel "clicks" into place when remounting.

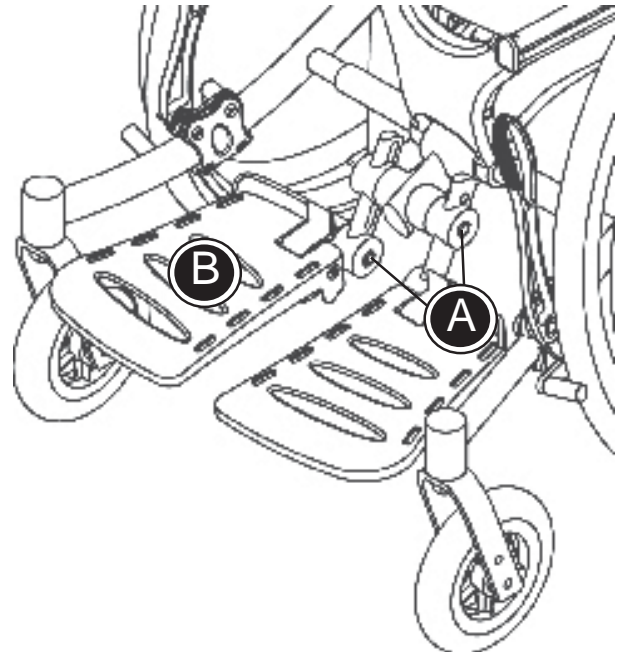



## FOOT SUPPORT

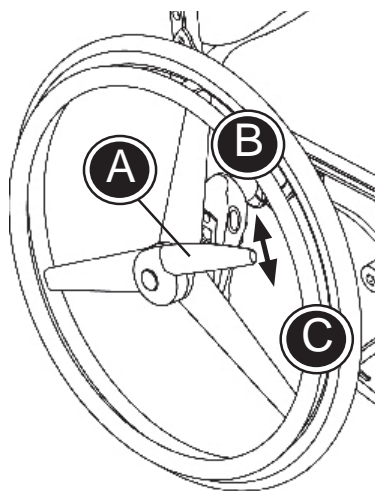
Loosen the screws (A) with the enclosed 6 mm Allen key to angle the foot plate. Angle the foot plates individually.

This also allows the individual footrest extension tubes to be adjusted to the desired length.

The foot plates can be equipped with straps when needed (B).



 Watch out not to get the feet caught in the gap between the footplates.



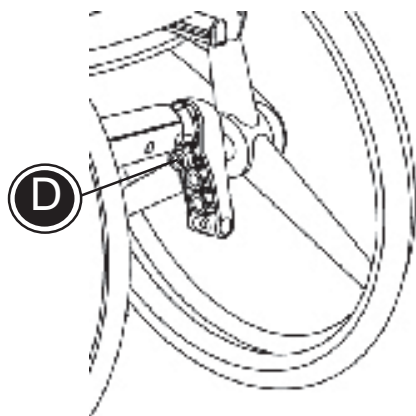
## DRUM BRAKE

The Cheetah, 3-wheel version is delivered with drum brakes as standard (A). The brake does not require any maintenance.

Pull back the brake (B) to activate, and push forward (C) to deactivate.

Follow the instructions below to mount wheels with drum brakes on the Cheetah.

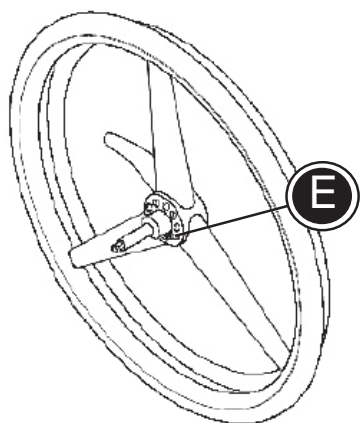
\* Loosen the nut (D) to remove the push wheel. Mount the new wheel with drum brake and fasten the nut.



**!** Tighten the screw (E) at the brake shoe, if the drumbrake does not brake enough.

**!** The Rear Wheel height must be changed by an authorized R82/Snug Seat Representative ONLY.

**!** When mounting the wheel, make sure that it "clicks into place" and that the brakes function correctly.



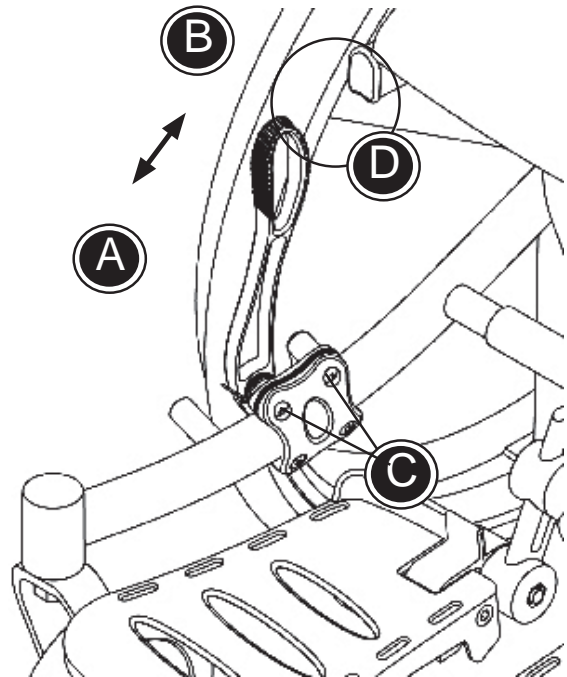
## HAND BRAKE


The Cheetah, 4-wheeler version is delivered with parking brakes as standard. Drum Brakes can be ordered as an option


The brake is simple to use. Push the handle forwards (A) to activate and pull the handle back (B) to deactivate the brake.


The hand brake is mounted in a fitting on the frame. Move the fitting forward or backward, according to how tight the brake should be. When the fitting is moved backward, the brake will be tighter. Move the fitting forward and the brake will be looser.

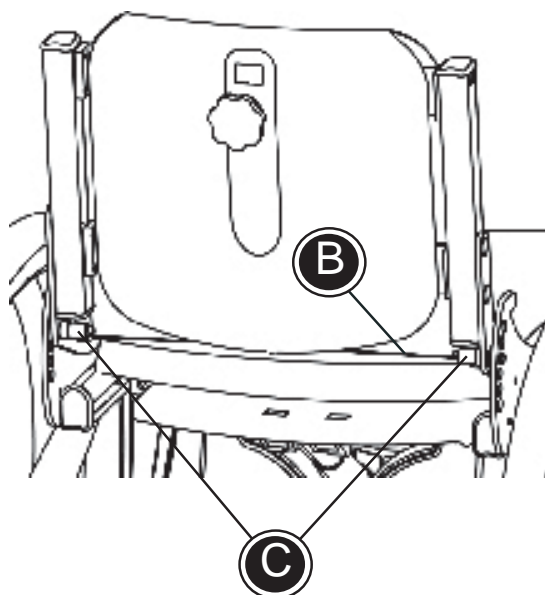
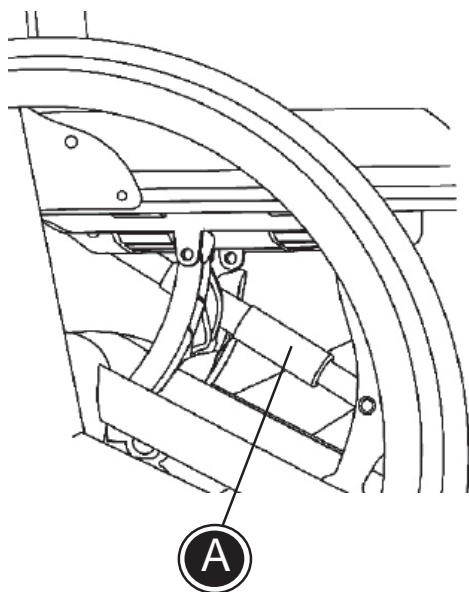
Loosen the 4 screws (C) with the enclosed 4 mm Allen key to adjust the hand brake. Fasten the screws in the position required.



 Keep the recommended air pressure, 110 PSI/7,5 bar in the driving wheels, to make the brakes work properly.

 Keep the recommended safety distance, 3/8", between the wheel and the brake block.

 Watch out not to get your fingers caught at position (D), when activating the brake.



## SEAT AND BACK ADJUSTMENTS

### Seat ramp:

Turn the handle (A) under the seat to adjust the seat and back angle position of the chair.



Oil the turn handle (A) occasionally.

### Reclining the back\*

To adjust the back angle, pull out the strap (B). The back angles all the way down to the seat, which makes the chair take up minimum space, for transportation or storage.



Hold on to the back to prevent it from suddenly moving when the strap is pulled.



Remove the transfer armrests and side plates, if any, to fold the back all the way down to the seat.



Oil the spring boxes (C) occasionally.

\* May not be available with OEM Seating\*\*

### **\*\*OEM Seating**

The Cheetah wheelchair accommodates seating systems from other equipment manufacturers. This can be accomplished by two methods; attaching the OEM seating system directly to the Cheetah's standard seat platform, or utilizing the Cheetah's seat and back rail system that attaches to the Cheetah seat platform. Please contact our Technical Service Department (800-336-7684) to determine the best method for attaching OEM seating systems



## PLANAR BACK AND SEAT WIDTH ADJUSTMENTS

The Cheetah has ungraduated width adjustment from 11" to 16". The marks 28, 32, 36 and 40 cm indicate the width of the cushions.

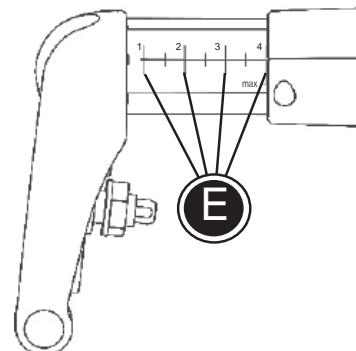
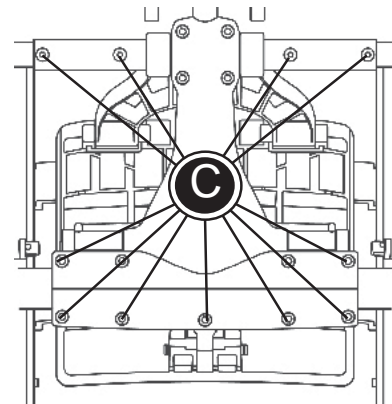
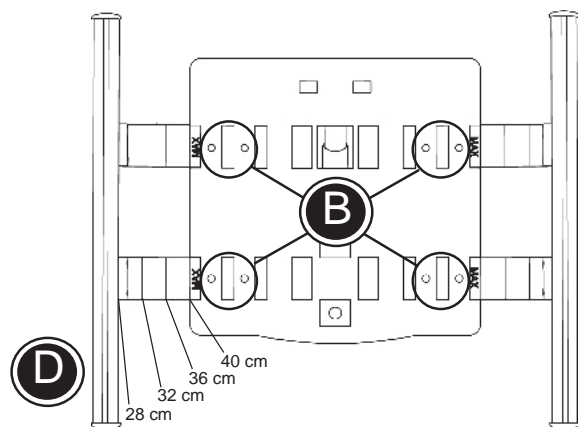
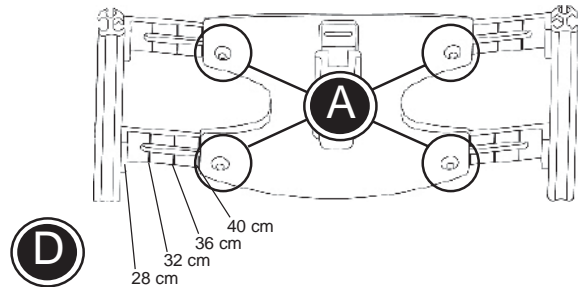
- \* Loosen the 4 screws (A) with the enclosed 5 mm Allen key to adjust the back width.
- \* Loosen the 8 screws (B) with the enclosed 3 mm Allen key to adjust the seat width.
- \* Loosen the 13 screws (C) with the enclosed 4 and 5 mm Allen keys to adjust the frame width.


### Back and seat width:


Adjust the back and seat width according to the marks (D).


### Frame width:


Adjust the frame width according to the mark (E). If seat and back width are adjusted to 36 cm, the frame width must be adjusted to 2 (36 cm). With this adjustment, there will be room for sideplates ect. When no sideplates are needed and the wheels are required to be closer to the body, the frame width can be adjusted where desired.




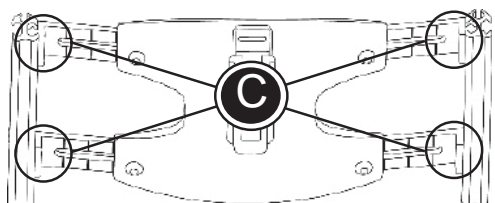
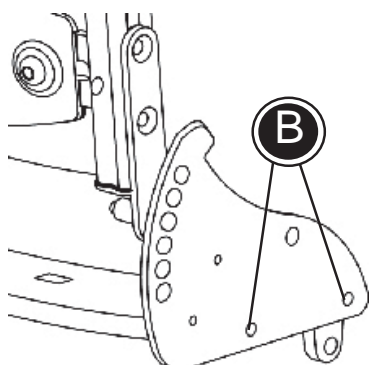
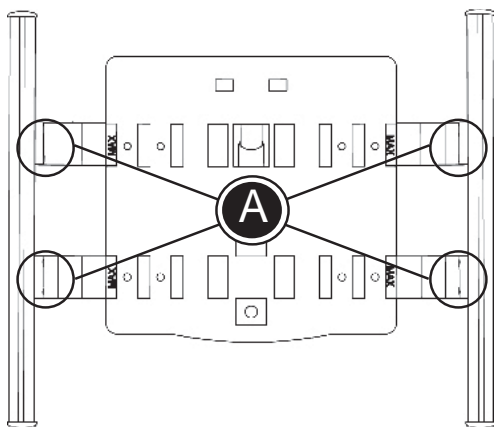
 The four marks in respect of the seat and back must be the exactly the same.

 The marks in frame width must be exactly the same in both sides of the chair.

 Do not go beyond the max. indication when adjusting the width of the seat and back.

 Make sure that all screws (A+B+C) have been fastened safely after adjustment.

 New cushions can be ordered as an accessory.



## PLANAR SEAT DEPTH AND BACK HEIGHT ADJUSTMENT

If you need to adjust the width of the back or seat, please do this before you adjust the depth of the seat and height of the back (see the previous page).

### Seat depth:

- \* Loosen the 8 screws (A) with the enclosed 3 mm Allen key with ball end to adjust the seat depth.
- \* When the seat depth is adjusted the back needs to be adjusted also. Use the enclosed 4 mm Allen key to loosen the 2 screws (B) on both sides of the chair and adjust the back into the required position.

### Back height:

- \* Loosen the 8 screws (C) with the enclosed 4 mm Allen key with ball end to adjust the back up or down.

The back- and seat plates are mounted into rails, which have the same length as the cushions in the chair. Move the cushions into place, when the depth and height adjustments have been made.



To maintain the optimal seating comfort, with the seat plate moved all the way back, a seat extension or a web extension can be added.



Do not position the seat and back behind the center of gravity.



Make sure that all screws have been fastened safely after adjustments have been made.

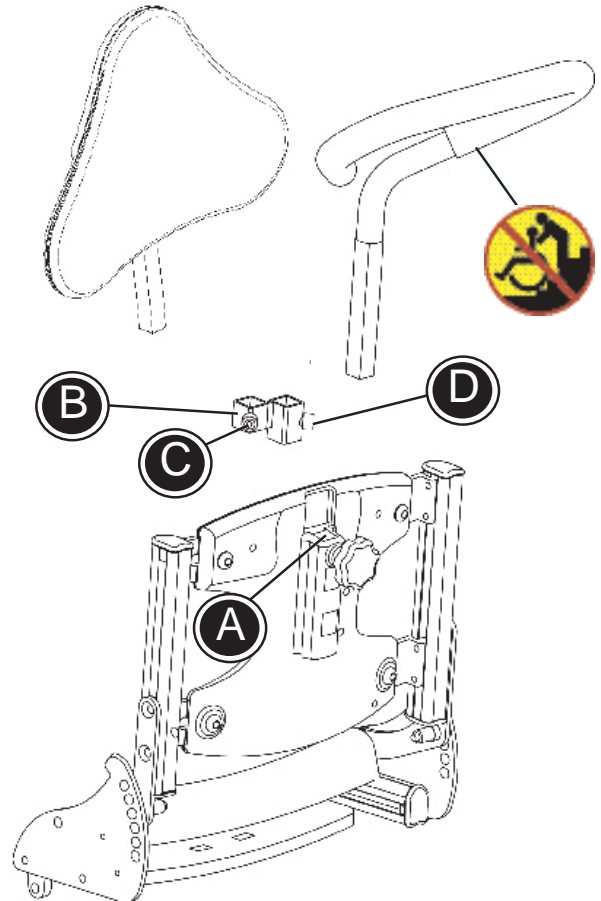
## BACK EXTENSION & PUSH BRACE

The Planar Back is designed ready to receive a back extension.

- \* The back extension is mounted in the fitting (A) on the back of the chair. Fasten when mounted.

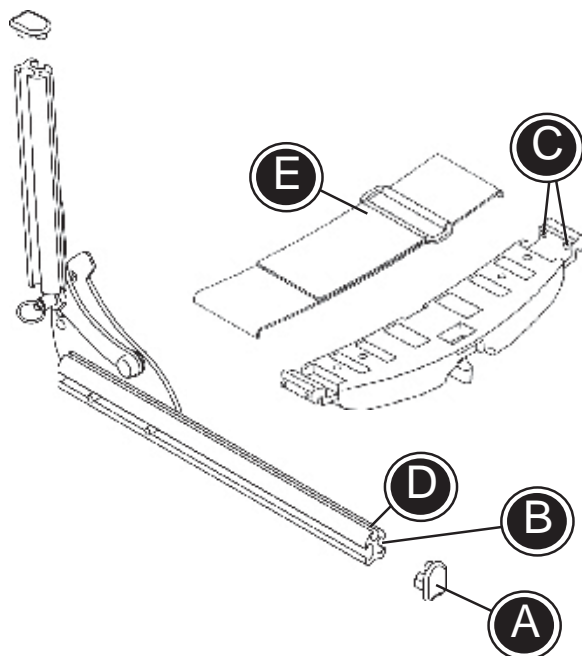
Use the special fitting (B) when both the back extension and the helpers handle have to be mounted.

- \* Use the enclosed 3 mm Allen key to fasten the fitting on the back extension bar (C).
- \* The back extension is mounted on the back of the chair.
- \* Use the enclosed 3 mm Allen key to fasten the push brace in the fitting (D).



**!** Be careful not to get your fingers caught when adjusting the height and depth of the head support.

**!** Do not ever use the helpers handle to lift/pull the wheelchair up or down from stairs, landings, curbs ect. The wheelchair can only be lifted by two persons grabbing hold of the frame. Never use the helpers handle to lift the wheelchair.



## SEAT EXTENSION AND WEBBING

The Planar seat depth is adjustable to fit almost any needs. Further, it is possible to mount a seat or a web extension.

- \* Remove the end piece (A) from the rails.
- \* Mount the seat extension in the bottom inside groove of the rails (B). Fasten the seat extension, using the enclosed 3 mm Allen key (C).
- \* Mount the webbing in the top groove of the rails (D) and secure as shown (E).
- \* Remount the end pieces (A).



The seat and web extensions have to be adjusted when the seat depth is changed.





To avoid a potentially dangerous seating position, we recommend the use of the seat extension and/or the webbing on the Cheetah 32, 36, and 40 cm

## ANTI-TIP DEVICE

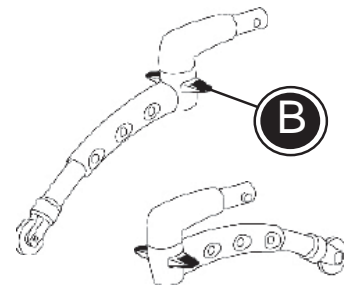
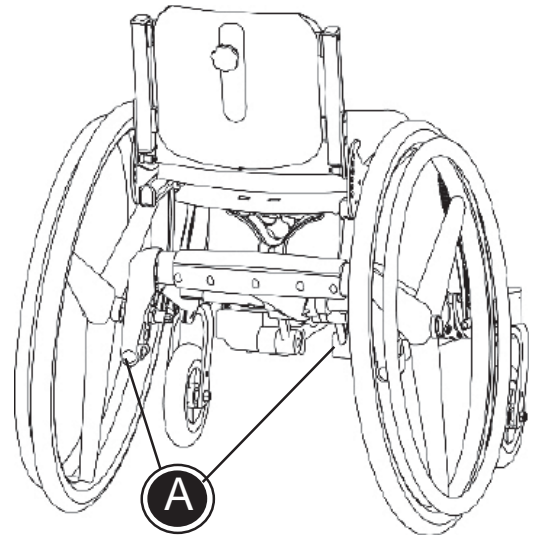
The anti-tip device is mounted in the fittings (A) under the seat and fastened with the supplied Allen key.







Activate the anti-tip device with the foot at position (B). To deactivate, turn it around 180°.

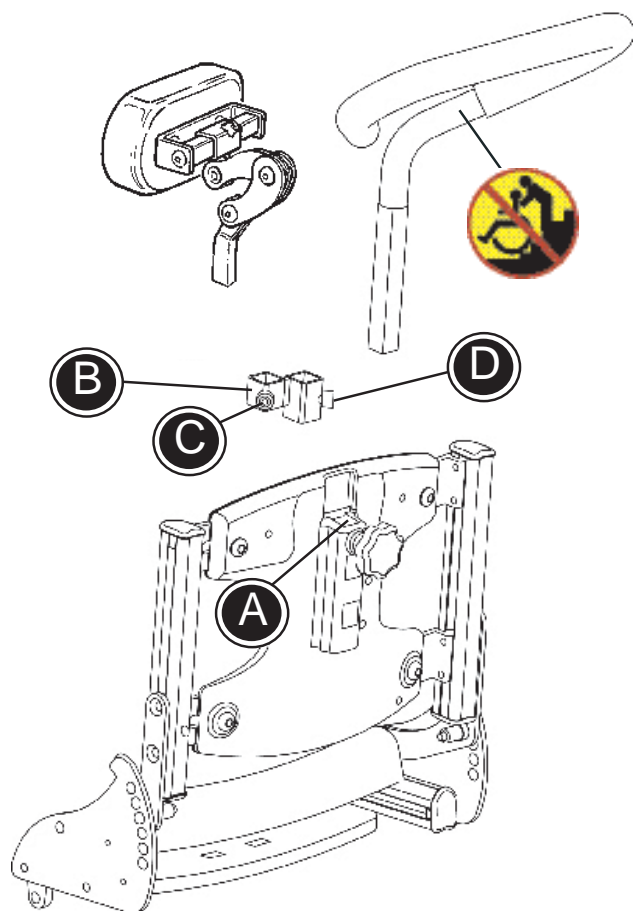
 The anti-tip device must always be activated when the wheelchair is tilted. However, the anti-tip device has to be deactivated or removed when the chair is being transported.

 We recommend regular checking of the function of the anti-tip device. The wheelchair can tilt at some adjustments.

Depending on the size of the wheels, the Cheetah is supplied with either short or long anti-tip. Follow the instructions below when changing the wheel position or size. The product codes for the anti-tip safety are listed under Accessories at the end of the manual.



Cheetah 3-wheeler	20" rear wheel / anti tip device	22" rear wheel / anti tip device	24" rear wheel / anti tip device
 Wheel placement pos.1 Wheel placement pos.2	4" wheel / SHORT 6" wheel / SHORT OR LONG	6" wheel / SHORT OR LONG -	- -
 Wheel placement pos.1 Wheel placement pos.2 Wheel placement pos.3	- 4" wheel / SHORT OR LONG 6" wheel / LONG	4" wheel / SHORT OR LONG 6" wheel / SHORT OR LONG -	6" wheel / SHORT OR LONG - -
 Wheel placement pos.1 Wheel placement pos.2 Wheel placement pos.3	- - 4" wheel / LONG	- 4" wheel / LONG -	4" wheel / SHORT OR LONG - -
Cheetah 4-wheeler	20" rear wheel / anti tip device	22" rear wheel / anti tip device	24" rear wheel / anti tip device
 Wheel placement pos.1	4" wheel / SHORT	-	-
 Wheel placement pos. 1 Wheel placement pos. 2 Wheel placement pos. 3	- 4" wheel / SHORT OR LONG 6" wheel / LONG	4" wheel / SHORT 6" wheel / SHORT OR LONG -	6" wheel / SHORT OR LONG - -
 Wheel placement pos. 1 Wheel placement pos. 2 Wheel placement pos. 3	- - 4" wheel / LONG	- 4" wheel / SHORT OR LONG -	4" wheel / SHORT OR LONG - -



## HEAD SUPPORT AND HELPER'S HANDLE

The Planar Back is designed ready to receive head support and helper's handle.

- \* The head support or the helper's handle is mounted in the fitting (A) on the back of the chair. Fasten when mounted.

Use the enclosed fitting (B) when both the head support and the helper's handle have to be mounted.

- \* Use the enclosed 3 mm Allen key to fasten the fitting on the head support bar (C).
- \* The head support is mounted on the back of the chair.
- \* Use the enclosed 3 mm Allen key to fasten the push handle in the fitting (D).



Be carefull not to get your fingers caught when adjusting the height and depth of the head support.

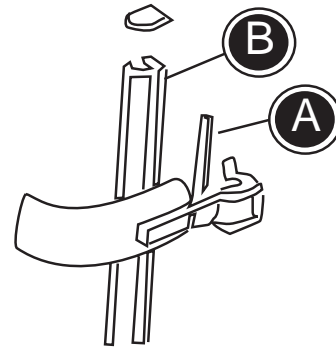



Do not ever use the helpers handle to lift/pull the wheelchair up or down from stairs, landings, curbs ect. The wheelchair can only be lifted by two persons grabbing hold of the frame. Never use the helpers handle to lift the wheelchair.

## SWING AWAY SIDE SUPPORTS

Swing away side supports can be mounted on the Cheetah. Follow the below instructions to mount the side supports correctly:

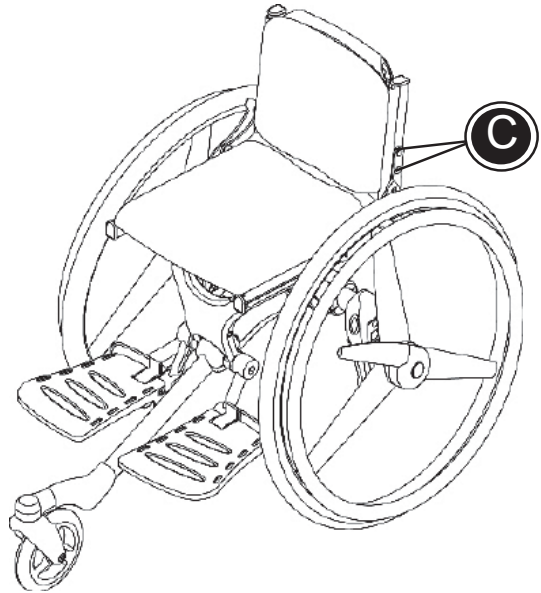
- \* Mount the fittings (A) for the side supports into the rails (B) and fasten at the required height.
- \* Adjust the swing away side supports into the required position.



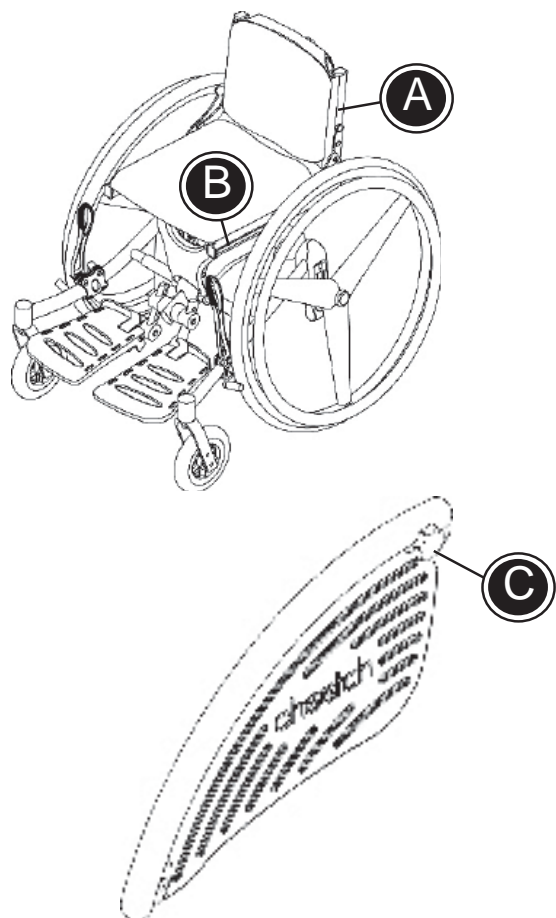
 We recommend oiling the swing away parts occasionally.

The vertical rails on size 28 cm and 32 cm can be replaced with longer rails, if needed. Please order the new rails with part no. 900350-2

- \* Loosen the two screws (C) on both sides of the chair to dismount the vertical rails. Use the enclosed 4 mm Allen key.
- \* Mount the new, longer rails and fasten the screws.
- \* Mount the side supports as described above.







## TRANSFER ARMRESTS AND SIDE PLATES

It is possible to mount transfer armrests on the Cheetah. The transfer armrests make it easier for the user to get in and out of the chair.

Mount the transfer armrests and the side plates in the rails in the back (A) and in the seat (B).

\* Loosen the screw (C) to adjust the angle.

Remove the transfer armrests when the back has to be angled all the way down to the seat:

- \* Loosen the screw (C) and remove the transfer armrest from the rails in the back rest.
- \* The transfer armrest does not have to be dismounted from the rails in the seat.



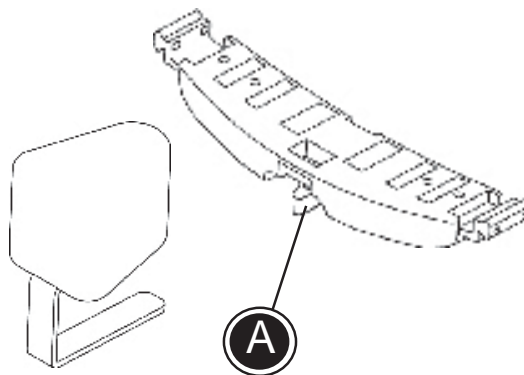
Be carefull not to get your fingers caught between the side plates and the driving wheels.

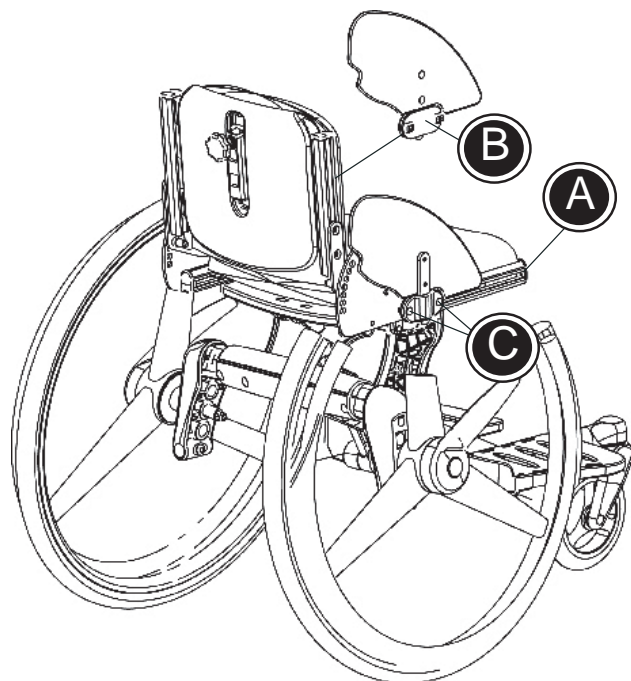


## POMMEL

A pommel can be mounted on the Cheetah.

- \* Mount the pommel in the seat or the seat extension and tighten under the seat (A).





## SIDE PLATES

The side plates can be mounted on the Cheetah.

Follow the instructions below to mount the side plates correctly:

- 1) Remove the end pieces from the chair front (A)
- 2) The side plate bracket (B) must be placed in the seat rails and fastened by tightening the Allen screws (C)
- 3) Remount the end pieces

The side plates can be depth adjusted by loosening the Allen screws (C).

The side plates can be dismounted easily from the bracket by lifting the side plate.


## ARM RESTS

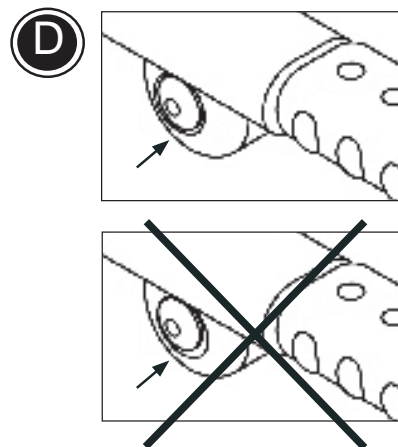
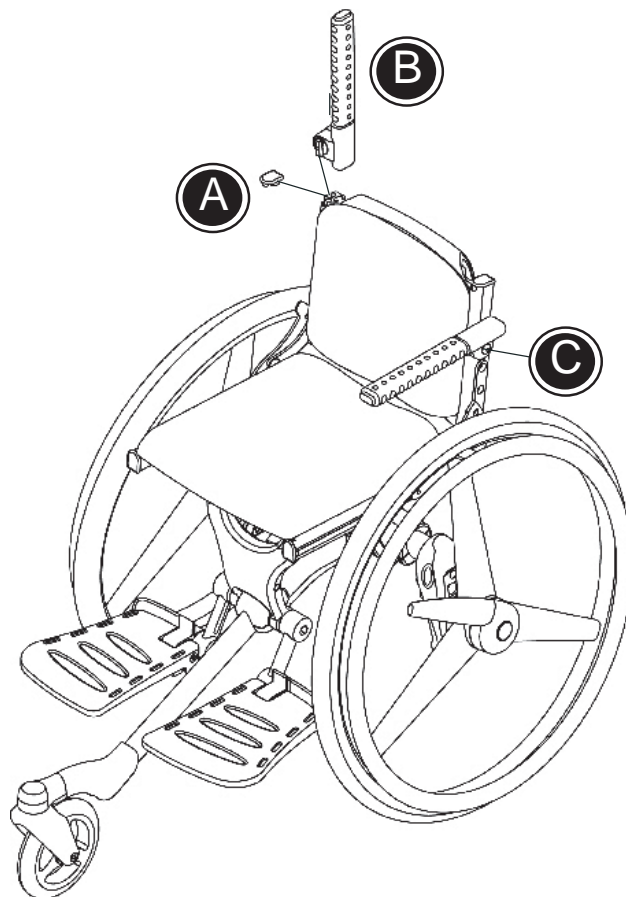
Angle and height adjustable armrests can be mounted on the Cheetah. The armrests come in two sizes; 20 and 30 cm

Follow the instructions below to mount the armrests correctly:

- 1) Remove the end pieces at the top of the back rails (A)
- 2) Mount the armrests (B) in the rails so the armrests are in a vertical position.
- 3) Tip the armrests approximately 10cm back and then forth to the position needed.
- 4) Remount the end pieces (A).

The armrests can be angled and height adjusted by loosening the Allen screw (C).

 Please make sure that the spring washer is centered on the spacer (D) when the Allen screw is tightened.



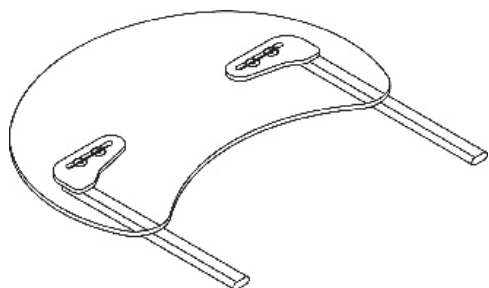
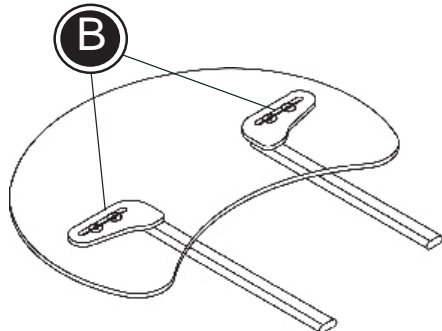
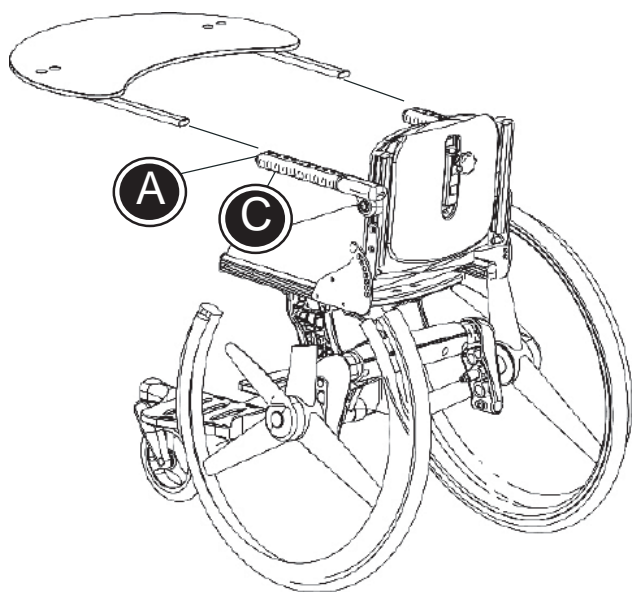
## TRAY

The Cheetah tray will be delivered unassembled and can be used for all the sizes.

Follow the instructions below to mount the tray correctly:

- 1) Remove the end pieces in front of the armrests (A).
- 2) Mount the brackets on the tray top by using the screws and nuts enclosed (B).
- 3) Lead the brackets into the armrests and tighten with the finger screw (C).


The tray brackets can be turned either way depending on the chair size on which they will be used.



## CONVERSION KIT


The Cheetah may be converted from a 3-wheel to a 4-wheel model. To ensure correct conversion, please follow the description below:

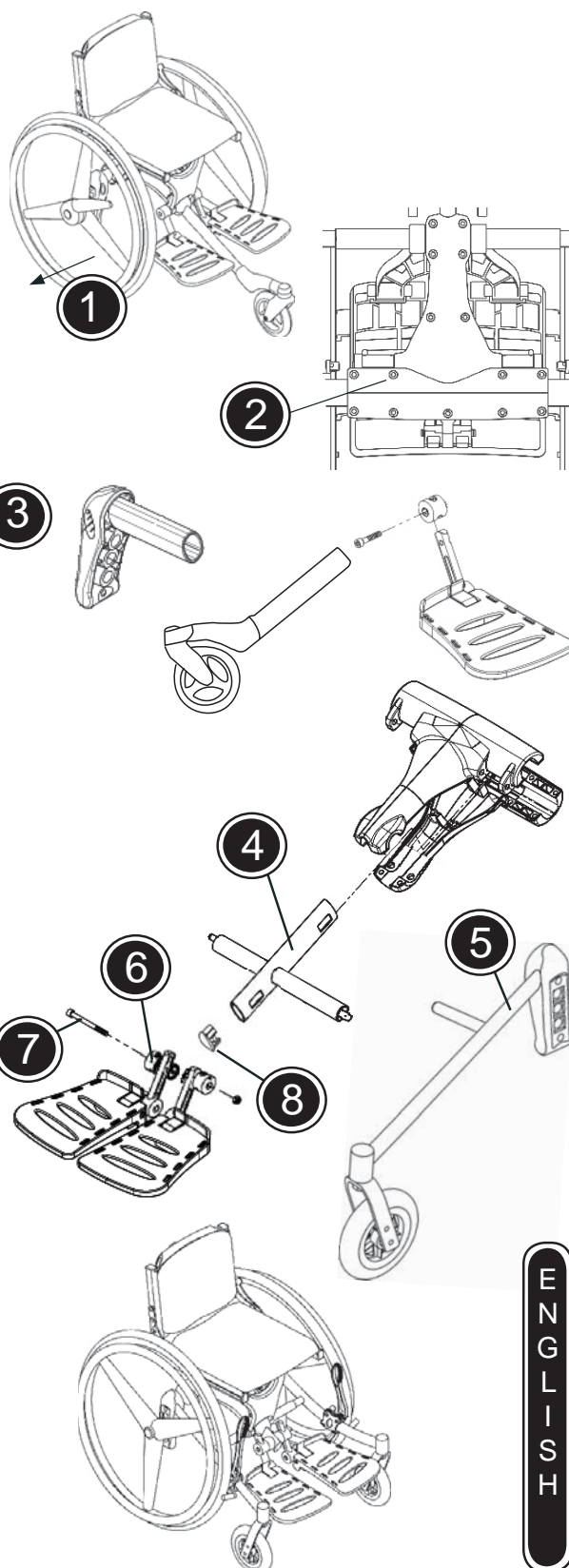
1. Remove the driving wheel and the antitip, where applicable.
2. Remove the bottom of the framework by loosening and removing the 15 screws.
3. Remove the suspension, center stem and foot rests.
4. The new center stem is installed and the bottom of the framework is loosely fitted. The centre stem may be turned to either lower or raise the foot rests.
5. The sides of the frame are installed and all screws are tightened again. Install the driving wheel and the antitip, if any, and turn the chair over.

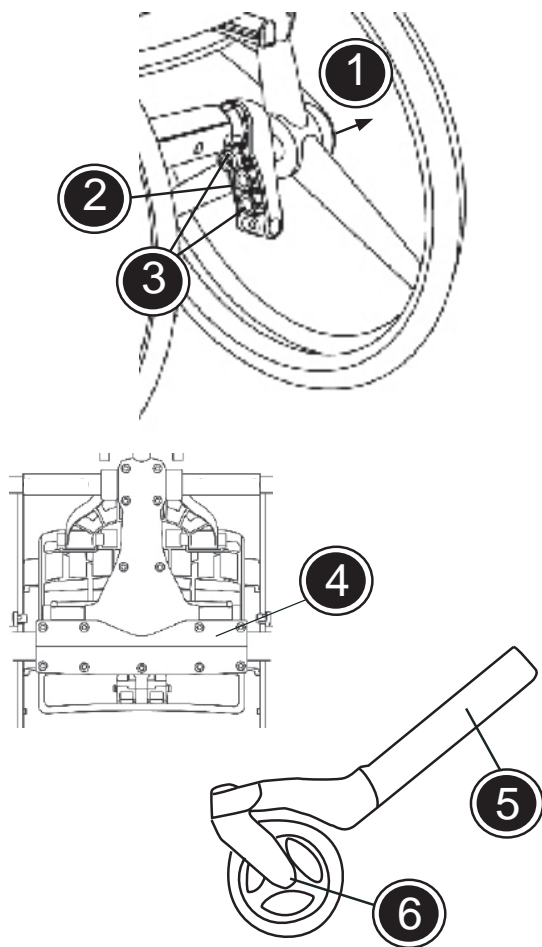
 Remember to adjust the wheels to the same width in both sides.

6. Replace the covers on the foot rests.
7. Remove the bolt and install the footrests. Put the bolt back on and tighten it.
8. Put a plug at the end of the center stem.

Your new 4-wheel Cheetah is ready for use!

 See the list at the end of the manual for ordering conversion kits.





## WHEEL COMBINATIONS CHEETAH 3-WHEELER

Changing the location of the driving wheel:

1. Remove the driving wheel.
2. Loosen the nut with a 24 mm open-end wrench.
3. Move the wheel sleeve to the position you want.  
Fasten the nut and install the driving wheel.

Replacing the center stem:

4. Remove the bottom of the framework by loosening the 15 screws.
5. Replace the center stem and re-tighten the 15 screws.
6. Replace/install the front wheel by loosening the screw with a 6 mm Allen key.

Use the form below to find the right seat height for the wheels and center stem chosen.



We recommend that you regularly check the air pressure in the tires.



We recommend that you regularly ensure that the center stem is properly fastened to the frame.



Depending on the wheel size and position, there may be a risk of instability when navigating small obstacles.

Cheetah 3-wheeler		20" rear wheel / seat height *	22" rear wheel / seat height *	24" rear wheel / seat height *
<p>Wheel placement pos.1 Wheel placement pos.2</p>	Center bar, short	4" wheel/44-50 cm	6" wheel/47-53 cm	-
	Center bar, short	6" wheel/47-53 cm	-	-
<p>Wheel placement pos.1 Wheel placement pos.2 Wheel placement pos.3</p>	Center bar, pos.1	-	4" wheel/47-53 cm	6" wheel/50-56 cm
	Center bar, pos.1	4" wheel/47-53 cm	6" wheel/50-56 cm	-
	Center bar, pos.1	6" wheel/50-56 cm	-	-
<p>Wheel placement pos.1 Wheel placement pos.2 Wheel placement pos.3</p>	Center bar, pos.2	-	-	4" wheel/50-56 cm
	Center bar, pos.2	-	4" wheel/50-56 cm	-
	Center bar, pos.2	4" wheel/50-56 cm	-	-

Due to safety reasons other than the described possibilities can not be used !

\* The seat height is measured at the front of the chair and is depending on the seat angle.

## WHEEL COMBINATIONS CHEETAH 4-WHEELER

Changing the location of the driving wheel:

1. Remove the driving wheel.
2. Loosen the nut with a 24 mm open-end wrench.
3. Move the wheel sleeve to the position you want.  
Fasten the nut and install the driving wheel.


Changing the position of the front wheel:


4. Loosen the nut with a 13 mm open-ended wrench.
5. Move the front wheel to the position required. Re-fasten the nut.


Changing the front fork:

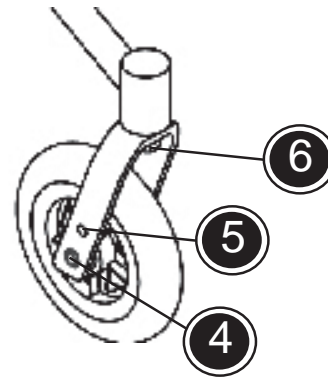
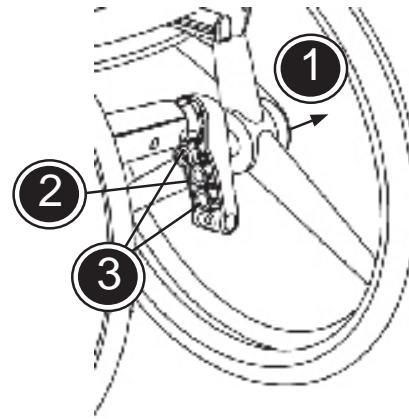
6. Remove the front wheel and loosen the nut with a 13 mm open-ended wrench. If the front fork has quick release, please use this. The front fork is replaced and everything is tightened.







Use the form below to find the right seat height for the wheels and center stem chosen.

 We recommend that you regularly check the air pressure in the tires.

 We recommend that you regularly ensure that the center stem is properly fastened to the frame.

 Depending on the wheel size and position, there may be a risk of instability when navigating small obstacles.

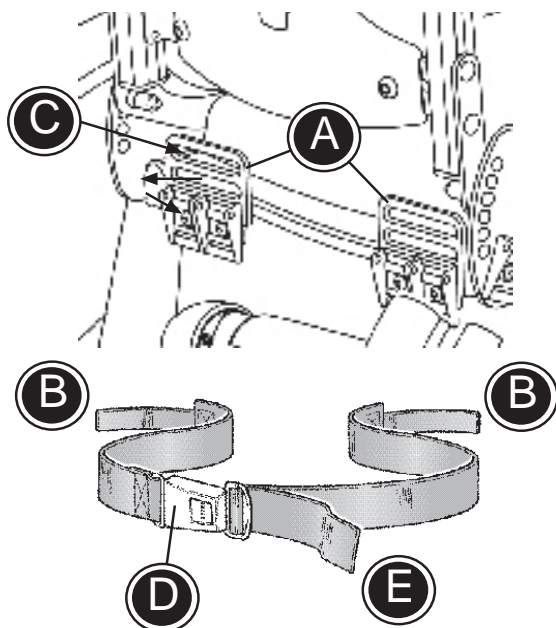


Cheetah 4-wheeler		20" rear wheel / seat height *	22" rear wheel / seat height *	24" rear wheel / seat height *
 Wheel placement pos.1	 Front fork 1	4" wheel/44-50 cm	-	-
 Wheel placement pos.1 Wheel placement pos.2 Wheel placement pos.3	 Front fork 2	- 4" wheel/47-53 cm 6" wheel/50-56 cm	4" wheel/47-53 cm 6" wheel/50-56 cm -	6" wheel/50-56 cm - -
 Wheel placement pos.1 Wheel placement pos.2 Wheel placement pos.3	 Front fork 3	- - 4" wheel/50-56 cm	- 4" wheel/50-56 cm -	4" wheel/50-56 cm - -

Due to safety reasons other than the described possibilities can not be used !

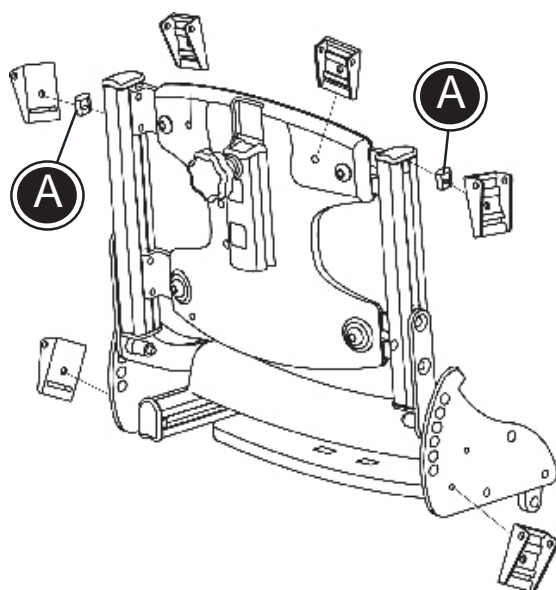
\* The seat height is measured at the front of the chair and is depending on the seat angle.





## SEAT BELT ATTACHMENT

- \* Mount the two belt fittings (A), for the seat belt, in the slots on the back side of the seat.
- \* Mount the ends of the seat belt (B) in the fittings and fasten in the snap locks (C).
- \* Secure the user in the wheelchair and fasten the seat belt using the buckle (D).
- \* Pull the strap (E) until the seat belt is secured in the correct position.



## FIX LOCKS

Fix locks can be mounted different places on the seat unit.

- \* Two fix locks can be mounted on the back with the enclosed screws.
- \* Two fix locks can be mounted on the side plates with the enclosed screws.
- \* Two fix locks can be mounted in the back or seat rails with the enclosed fitting (A) and screws.



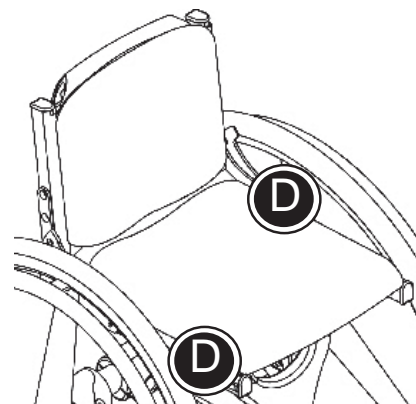
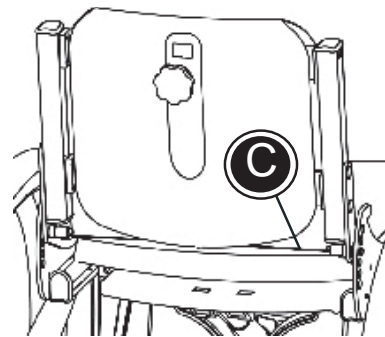
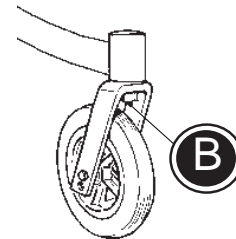
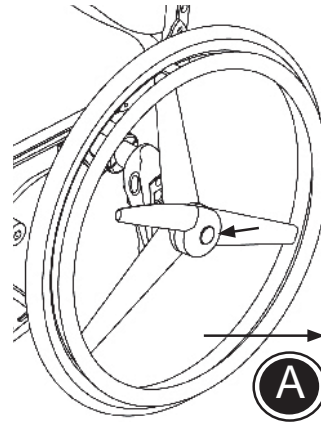
## TRANSPORTATION

It is possible to fold the back of the Cheetah wheelchair for transportation or storage.

- \* Dismount the driving wheels (A) (see the page concerning quick release).
- \* Dismount the front wheels if they are equipped with quick release (B).
- \* Fold the back forward (C) (see the page concerning seat and back angle)
- \* Lift the Cheetah safely, for instance into a car, by gripping around the seat unit (D).



Do not lift the Cheetah at the wheels.



## TRANSPORTATION IN MOTOR VEHICLES

The Cheetah has met ISO-7176-19 and ISO-10542 crash test standards for transporting people in motor vehicles when placed in a forward facing position. However, we highly recommend moving the wheelchair user to an approved vehicle seat whenever possible. An approved vehicle seat is the safest place to transport people in vehicles.

The wheelchair must be placed in a forward facing position, when used as a seat in a motor vehicle. An approved 4-point strap-type tie-down system must be used to secure the chair to the vehicle.

An approved 3-point passenger restraint must be used in conjunction with the 4-point wheelchair tie-down. The passenger restraint must not be held away from the user's body by wheelchair components such as armrests, clothing guards, wheels, lateral supports or other devices.

The seat must be placed in a horizontal position and the back must be 90° or perpendicular to the seat.

All accessories must be removed from the wheelchair and secured separately in the vehicle. Accessories that cannot be removed must be secured to the wheelchair but positioned away from the user with energy absorbing padding placed between accessories and the user.

Alterations or substitutions should not be made to the wheelchair without consulting a dealer.

The wheelchair must be inspected by the dealer before reuse following involvement in any type of vehicle impact.

## TRANSPORTATION IN MOTOR VEHICLES 1/2

The Cheetah wheelchair is approved for transporting people in motor vehicles, when the wheelchair is placed in forward-facing position. Follow the below to ensure the safety:



**!** The user should transfer to the vehicle seat and use the vehicle-installed restraint system whenever it is feasible.

**!** The wheelchair must be placed in forward-facing position, when used as a seat in a motor vehicle. Use an approved 4-point strap-type tiedown system.

**!** The seat must be placed in horizontal position. The back must be 90° or perpendicular to the seat.

**!** Use an approved 3-point belt in the wheelchair. Restraints should not be held away from the body by wheelchair components such as side plates or wheels.

**!** All accessories must be removed from the wheelchair and secured separately in the vehicle. Accessories which can not be removed, must be secured to the wheelchair but positioned away from the user with energy-absorbing padding placed between the accessories and the user.


**!** Alterations or substitutions should not be made to the wheelchair without consulting the dealer.

**!** The wheelchair should be inspected by the dealer before reuse following involvement in any type of vehicle impact.

## TRANSPORTATION IN MOTOR VEHICLES 2/2

### Secure the Cheetah in the vehicle:

- \* Mount the 4-point strap-type tiedown system in the vehicle. (Follow the manufacturers instructions).
- \* Mount the fittings (A) with the symbol (C) on the back of the chair.


 Please be aware of the left/right transport fittings. The small side wing (D) must be fixated in the wheel fitting.


- \* Mount the fittings (B) with the symbol (C) on the front of the chair.
- \* Secure the wheelchair to the vehicle, using the 4-point strap-type tiedown system. Use either a hook or a strap in the fittings (A) and (B).

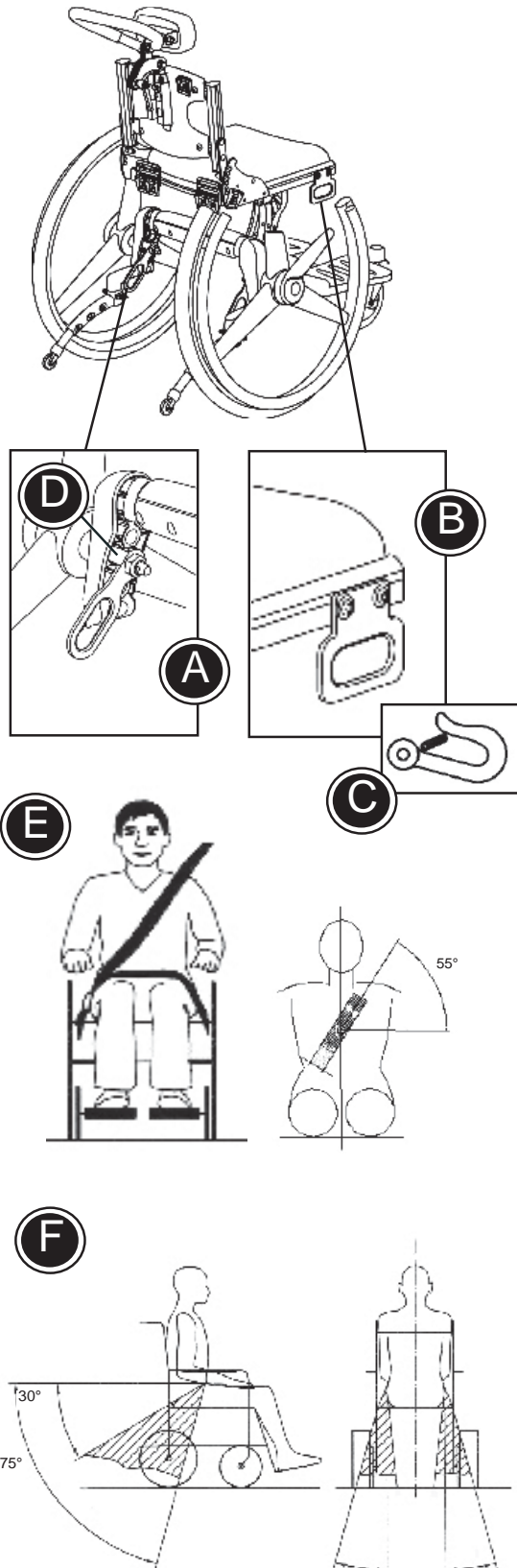
 Use a 4-point strap-type tiedown system approved according to ISO 10542-2.

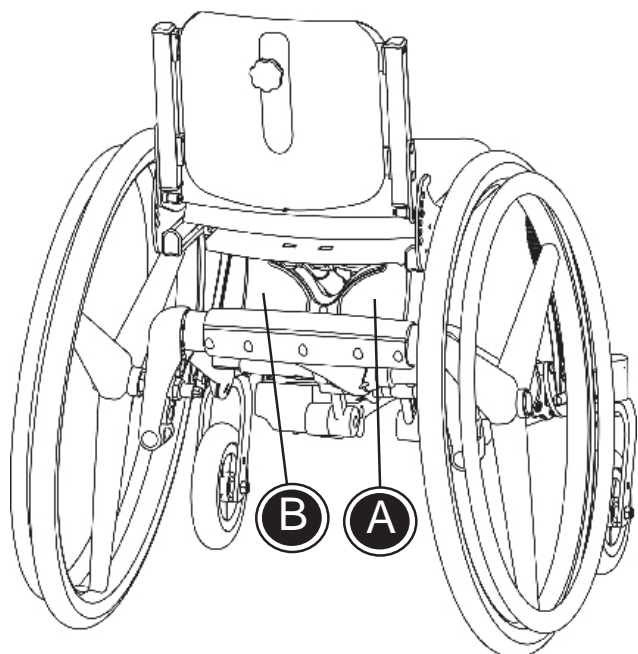
### Secure the user in the wheelchair:

- \* Use the 3-point belt as shown on the drawing (E). (Follow Manufacturer's instructions)
- \* The angle on the 3-point belt has to be according to drawing (F).
- \* The belt restraints should be adjusted as tightly as possible, consistent with user comfort. Further the belt webbing should not be twisted when in use.

 Use a hip-belt and a 3-point belt approved according to ISO 10542-1 or SAE J2249.

 The Cheetah wheelchair tie-down system is approved for a maximum user/load weight of 110 pounds.





## PRODUCT IDENTIFICATION

### A) Serial number

The label is placed on the left side under the seat platform.

### B) Manufacturer

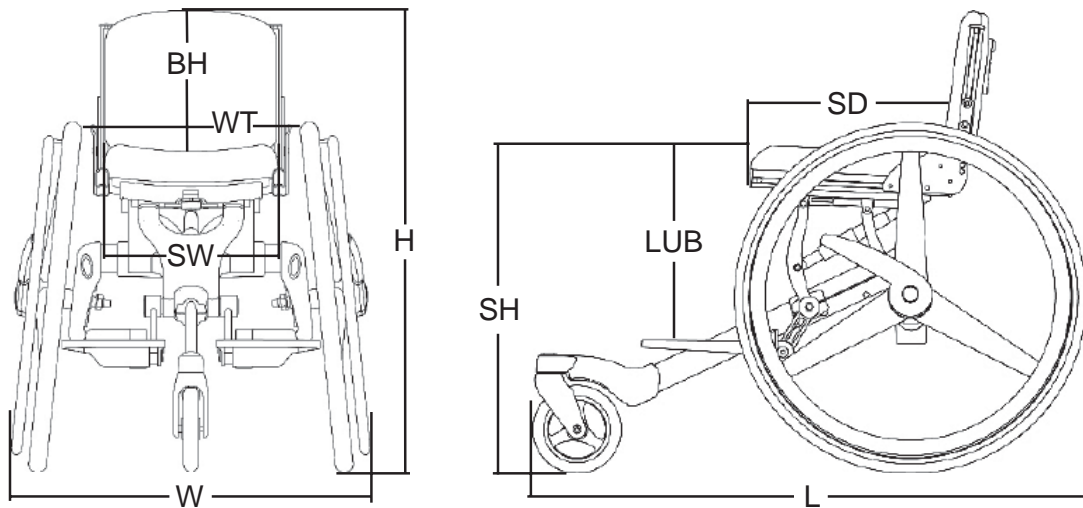
The label is placed on the right side under the seat platform.

A



B





## MEASUREMENTS

### 3-wheeler; seat width

	28 cm	32 cm	36 cm	40 cm
Width (W)	57 (22 <sup>3</sup> / <sub>4</sub> "	61 (23 <sup>3</sup> / <sub>4</sub> "	65 (25 <sup>1</sup> / <sub>4</sub> "	69 (27"
Width inside between wheels, top (WT)	33 (12 <sup>3</sup> / <sub>4</sub> "	37 (14 <sup>1</sup> / <sub>2</sub> "	41 (16"	45 (17 <sup>1</sup> / <sub>2</sub> "
Height (H)	76 (29 <sup>3</sup> / <sub>4</sub> "	76 (29 <sup>3</sup> / <sub>4</sub> "	82 (32"	82 (32"
Length (L)	90 (35"	90 (35"	90 (35"	90 (35"
Height back cushion	25 (9 <sup>3</sup> / <sub>4</sub> "	25 (9 <sup>3</sup> / <sub>4</sub> "	25 (9 <sup>3</sup> / <sub>4</sub> "	25 (9 <sup>3</sup> / <sub>4</sub> "
Width back cushion	28 (11"	32 (12 <sup>1</sup> / <sub>2</sub> "	36 (14"	40 (15 <sup>1</sup> / <sub>2</sub> "
Width seat cushion	28 (11"	32 (12 <sup>1</sup> / <sub>2</sub> "	36 (14"	40 (15 <sup>1</sup> / <sub>2</sub> "
Depth seat cushion	29 (11 <sup>1</sup> / <sub>4</sub> "	35 (13 <sup>3</sup> / <sub>4</sub> "	41 (16"	45 (17 <sup>1</sup> / <sub>2</sub> "
Seat height above floor, front * (SH)	50 (19 <sup>1</sup> / <sub>2</sub> "	50-53 (19 <sup>1</sup> / <sub>2</sub> -20 <sup>3</sup> / <sub>4</sub> "	50-55 (19 <sup>1</sup> / <sub>2</sub> -21 <sup>1</sup> / <sub>2</sub> "	50-56 (19 <sup>1</sup> / <sub>2</sub> -21 <sup>1</sup> / <sub>4</sub> "
Back height (BH)	25-28 (9 <sup>3</sup> / <sub>4</sub> -11"	25-28 (9 <sup>3</sup> / <sub>4</sub> -11"	28-35 (11-13 <sup>3</sup> / <sub>4</sub> "	28-35 (11-13 <sup>3</sup> / <sub>4</sub> "
Seat depth (SD)	24-29 (9 <sup>1</sup> / <sub>4</sub> -11 <sup>1</sup> / <sub>4</sub> "	30-35 (11 <sup>3</sup> / <sub>4</sub> -13 <sup>3</sup> / <sub>4</sub> "	35-40 (13 <sup>3</sup> / <sub>4</sub> -15 <sup>1</sup> / <sub>2</sub> "	40-45 (15 <sup>1</sup> / <sub>2</sub> -17"
Seat width (SW)	28-32 (11-12 <sup>1</sup> / <sub>2</sub> "	32-36 (12 <sup>1</sup> / <sub>2</sub> -14"	36-40 (14-15 <sup>1</sup> / <sub>2</sub> "	40 (15 <sup>1</sup> / <sub>2</sub> "
Lower leg length, max * (LUB)	33 (12 <sup>3</sup> / <sub>4</sub> "	33-35 (12 <sup>3</sup> / <sub>4</sub> -13 <sup>3</sup> / <sub>4</sub> "	42-46 (16 <sup>1</sup> / <sub>2</sub> -18"	42-46 (16 <sup>1</sup> / <sub>2</sub> -18"
Weight	10 kg (22 lb)	10 kg (22 lb)	10 kg (22 lb)	10 kg (22 lb)
Max. load / user weight	75 kg (165 lb)	75 kg (165 lb)	75 kg (165 lb)	75 (165 lb)

### 4-wheeler; seat width

	28 cm	32 cm	36 cm	40 cm
Width, without drumbrakes (W)	59 (23"	63 (24 <sup>1</sup> / <sub>2</sub> "	67 (26 <sup>1</sup> / <sub>4</sub> "	71 (27 <sup>3</sup> / <sub>4</sub> "
Width, with drumbrakes	57 (22 <sup>3</sup> / <sub>4</sub> "	61 (23 <sup>3</sup> / <sub>4</sub> "	65 (25 <sup>1</sup> / <sub>4</sub> "	69 (27"
Width b.wheels, top, wo. drumbrakes (WT)	35 (13 <sup>3</sup> / <sub>4</sub> "	39 (15 <sup>1</sup> / <sub>4</sub> "	43 (16 <sup>3</sup> / <sub>4</sub> "	47 (18 <sup>1</sup> / <sub>4</sub> "
Width b.wheels, top, w. drumbrakes.	33 (12 <sup>3</sup> / <sub>4</sub> "	37 (14 <sup>1</sup> / <sub>2</sub> "	41 (16"	45 (17 <sup>1</sup> / <sub>2</sub> "
Height (H)	76 (29 <sup>3</sup> / <sub>4</sub> "	76 (29 <sup>3</sup> / <sub>4</sub> "	82 (32"	82 (32"
Length (L)	77 (30"	77 (30"	77 (30"	77 (30"
Height back cushion	25 (9 <sup>3</sup> / <sub>4</sub> "	25 (9 <sup>3</sup> / <sub>4</sub> "	25 (9 <sup>3</sup> / <sub>4</sub> "	25 (9 <sup>3</sup> / <sub>4</sub> "
Width back cushion	28 (11"	32 (12 <sup>1</sup> / <sub>2</sub> "	36 (14"	40 (15 <sup>1</sup> / <sub>2</sub> "
Width seat cushion	28 (11"	32 (12 <sup>1</sup> / <sub>2</sub> "	36 (14"	40 (15 <sup>1</sup> / <sub>2</sub> "
Depth seat cushion	29 (11 <sup>1</sup> / <sub>4</sub> "	35 (13 <sup>3</sup> / <sub>4</sub> "	41 (16"	45 (17 <sup>1</sup> / <sub>2</sub> "
Seat height above floor, front * (SH)	50 (19 <sup>1</sup> / <sub>2</sub> "	50-53 (19 <sup>1</sup> / <sub>2</sub> -20 <sup>3</sup> / <sub>4</sub> "	50-55 (19 <sup>1</sup> / <sub>2</sub> -21 <sup>1</sup> / <sub>2</sub> "	50-56 (19 <sup>1</sup> / <sub>2</sub> -21 <sup>3</sup> / <sub>4</sub> "
Back height (BH)	25-28 (9 <sup>3</sup> / <sub>4</sub> -11"	25-28 (9 <sup>3</sup> / <sub>4</sub> -11"	28-35 (11-13 <sup>3</sup> / <sub>4</sub> "	28-35 (11-13 <sup>3</sup> / <sub>4</sub> "
Seat depth (SD)	24-29 (9 <sup>1</sup> / <sub>4</sub> -11 <sup>1</sup> / <sub>4</sub> "	30-35 (11 <sup>3</sup> / <sub>4</sub> -13 <sup>3</sup> / <sub>4</sub> "	35-40 (13 <sup>3</sup> / <sub>4</sub> -15 <sup>1</sup> / <sub>2</sub> "	35-40 (13 <sup>3</sup> / <sub>4</sub> -15 <sup>1</sup> / <sub>2</sub> "
Seat width (SW)	28-32 (11-12 <sup>1</sup> / <sub>2</sub> "	32-36 (12 <sup>1</sup> / <sub>2</sub> -14"	36-40 (14-15 <sup>1</sup> / <sub>2</sub> "	40 (15 <sup>1</sup> / <sub>2</sub> "
Lower leg length, max * (LUB)	35 (13 <sup>3</sup> / <sub>4</sub> "	35-37 (13 <sup>3</sup> / <sub>4</sub> -14 <sup>1</sup> / <sub>2</sub> "	44-48 (17 <sup>1</sup> / <sub>4</sub> -18 <sup>3</sup> / <sub>4</sub> "	44-48 (17 <sup>1</sup> / <sub>4</sub> -18 <sup>3</sup> / <sub>4</sub> "
Weight	11 kg (24 lb)	11 kg (24 lb)	11 kg (24 lb)	11 kg (24 lb)
Max. load / user weight	75 kg (165 lb)	75 kg (165 lb)	75 kg (165 lb)	75 (165 lb)

\* Dependent on the seat angle

Angles:	Back Seat	-10° - 28° 0° - 20°	Foot support bar Camber	0° - 105° 6°
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The Cheetah is measured according to ISO 7176-5 and 7176-7 with the following wheel combination: 24" rear wheel and 6" front wheel. We supply various types of driving wheels, which is why the weight is listed without the driving wheels. Different settings than described in the standard, may result in another measuring.

## TECHNICAL DATA

Frame: Aluminium pipes, stainless screws and PA6 parts  
Cushions: Fire resistant foam  
Cover: Fire resistant Comfort material  
Colour fastness: 5 according to EN ISO 105-B02

## MANUFACTURER

R82 A/S  
Parallevej 3  
8751 Gedved  
Denmark

## DISTRIBUTOR



*Please find your distributor on [www.r82.com](http://www.r82.com)*



## CARE AND MAINTENANCE

### UPHOLSTERY

The upholstery is made of fire resistant foam and comfort material. The upholstery can easily be removed from the cushion and can be machine washed at 86°. Further, regular vacuum cleaning and brushing will help to preserve the fabric's colour and appearance.

### WHEELS

Tires: Check the air pressure (recommended: 110 PSI/7,5 bar/750 kPa) and tread at least once a month.

Wheel axles: The axles should be kept free of dirt. Clean as necessary.

Ball bearings: The ball bearings require no maintenance.

Handrims: If a handrim should be damaged in such a way that it could lead to hand injury, it should be replaced.

### BRAKES

The function of the brakes is dependant upon tire pressure. Encrusted dirt can have a negative effect on the brake mechanism. The brakes should be checked at least once a month.

### FRAME

Tighten all screws underneath the chair on a regular basis, especially when the chair has been changed from one width to another. Further, it is important to keep the wheelchair clean, both for your own comfort and the longevity of the chair. Especially be aware to clean the holes for the back angling. Wash the chair with car shampoo or washing-up liquid. If the chair is particularly dirty, a grease remover can be used.

### INSPECTION

It is important to tighten all screws on the chair on a regular basis. It is especially important that the screws in the back, seat and seat extension be checked when modifications on the width has been made. All screws which secure the accessories have to be checked, at least once a month. To avoid sharp corners, it is important to check that all rail-ends are equipped with end pieces. Further, it is important to be aware of any indications of beginning faults on the frame, PVC parts and the like.

### REPAIR

If there is a fault on your wheelchair you should contact your dealer at once. Defective chairs should not be used. If your chair needs reconditioning or repair, only original R82 parts must be used. Accessories or available spare parts which are broken can be forwarded to R82 for repair. If fault in the fundamental parts, the whole chair needs to be returned to R82 for repair. R82 will not be held responsible for damage or injury caused by use of non-original parts or repairs made by a non-authorized R82 person.



## STAIN REMOVAL GUIDE

### BLOOD

Wash off blood with cold water. If this fails to help, add a neutral kitchen detergent.

### INK

Remove as much as possible with absorbent paper. Clean with 20% denatured alcohol and wash with water to which a neutral kitchen detergent has been added.

### CHOCOLATE AND CONFECTIONERY

Dab with lukewarm water

### GRASS AND VEGETABLES

Dab with lukewarm water with or without a neutral kitchen detergent.

### COFFEE, TEA AND MILK

Remove as much as possible with absorbent paper. Dab with water containing a neutral kitchen detergent.

### BALLPOINT PEN AND COSMETICS

Clean with alcohol

### NAIL POLISH

Dab with nail polish remover. Use acetone if this fails to help.

### OIL AND GREASE

First sprinkle talcum on the spot and leave. Then brush away. Finally, dab carefully with a cloth moistened with benzene or alcohol.

### MOISTENED SHOE POLISH

Dab carefully with a cloth moistened with benzene or alcohol.

### JAM, SYRUP, FRUIT AND JUICE

First remove as much as possible with a spoon. Then dab with lukewarm water.

### WINE AND SPIRITS

First remove as much as possible with absorbent paper. Then dab with water containing a neutral kitchen detergent. Finally, rinse with diluted denatured alcohol.

### PAINT, OILBASED

First clean with turpentine. Then dab with water containing a neutral kitchen detergent. Seek expert advice if the spot is old.

### PAINT, WATERBASED

Dab with cold water containing a neutral kitchen detergent. Seek expert advice if the spot is old.

## TROUBLESHOOTING

<u>Problem*</u>	<u>Solution</u>
Wheelchair will not hold a straight course	<ul style="list-style-type: none"> <li>- Inflate the tires</li> <li>- Check the front fork attachments angle</li> <li>- Check that the front fork attachments are mounted at the same height</li> <li>- Rear wheel mountings are incorrectly fitted</li> <li>- The user is distributing weight unevenly</li> <li>- More strength being used on one side than the other when propelling the chair</li> </ul>
Wheelchair feels difficult to propel	<ul style="list-style-type: none"> <li>- Inflate the tires</li> <li>- Rear wheel mountings are incorrectly fitted</li> <li>- Ensure that the castor axles are free from dirt etc.</li> <li>- Too much weight over the castors. Adjust the center of balance</li> </ul>
Wheelchair feels difficult to turn	<ul style="list-style-type: none"> <li>- Inflate the tires</li> <li>- Check that the front fork attachments are not too tightly fastened</li> <li>- Adjust the angle of the front fork attachments</li> <li>- Ensure that the castor axles are free from dirt etc.</li> <li>- Too much weight over the castors. Adjust the centre of balance</li> </ul>
Brakes not effective	<ul style="list-style-type: none"> <li>- Inflate the tires</li> <li>- Adjust the distance between brake and tyre</li> </ul>
Rear wheels loose	<ul style="list-style-type: none"> <li>- Ensure that the axle-shaft washer is in place</li> <li>- Adjust the length of the axle shaft</li> </ul>
Rear wheel hard to remove/ replace	<ul style="list-style-type: none"> <li>- Clean and lubricate quick release</li> <li>- Adjust the length of the axle shaft</li> </ul>
Castor wobbles	<ul style="list-style-type: none"> <li>- Front forks are not tightly fitted</li> <li>- Check that the front fork attachments are mounted at the same height</li> <li>- Adjust the angle of the front fork attachment</li> <li>- Too much weight over the castors. Adjust the center of balance</li> </ul>
Wheelchair feels awkward	<ul style="list-style-type: none"> <li>- Inflate the tires</li> <li>- Check that all screws, nuts and bolts are properly fastened</li> </ul>
Drumbrake, does not brake enough	<ul style="list-style-type: none"> <li>- Fasten the pointed screw at the hub.</li> </ul>
The Back angling function does not fit into place.	<ul style="list-style-type: none"> <li>- The chair is put together incorrectly. Measure the chair and fasten the screws with the chair in the correct position.</li> </ul>

\* The user may experience several of these problems in a wheelchair that is incorrectly adjusted or is being incorrectly used.