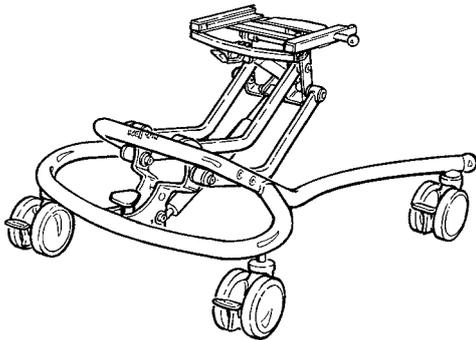


frames[™]

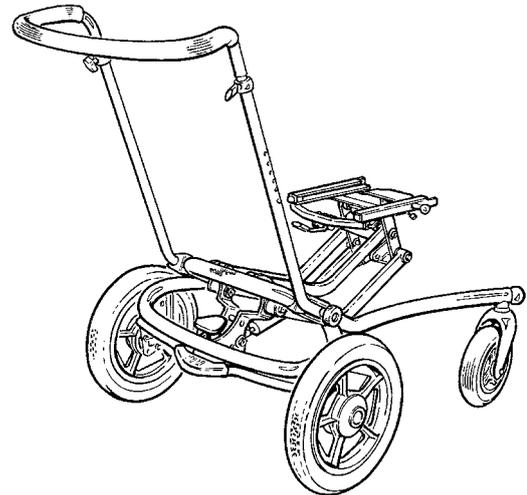
English manual

GB CONTENTS

Frames	3
Safety	4
warranty.....	4
Floor frame for indoor use	6
High-low sz. 1 - High-low:x sz. 1+2 indoor frame	7
High-low sz. 1 - High-low:x sz. 1+2 outdoor frame	8
High-low:x hydraulic sz. 2 indoor frame.....	9
High-low:x hydraulic sz. 2 outdoor frame	10
Indoor and outdoor frame with power - High-low sz. 1 - High-low:x sz. 1+2 ...	11
Indoor frame with power - High-low:x sz. 3	12
High-low:v sz. 1+2 indoor frame	13
(continued)	14
High-low:v sz. 1+2 indoor frame	14
Seat mounting / dismounting	14
Push brace for high-low, high-low:v, High-low:x indoor frame	15
Push brace for High-low:x outdoor frame	15
Adjusting the "Wombat" foot plate	15
Adjusting the individual foot supports	16
Individual footsupports for x:panda.....	16
serval Pushchair frame	17
(continued) Serval Pushchair frame	18
STingray Pushchair frame	19
Reversible seat.....	19
Adjusting the push brace	19
(continued) STingray Pushchair frame	20
Roadability for outdoor frames 1/4	21
Roadability for outdoor frames 2/4	22
Roadability for outdoor frames 3/4	23
Roadability for outdoor frames 4/4	24
Gasspring adjustment.....	25
Transportation in motor vehicles 1/3	26
Transportation in motor vehicles 2/3	27
Transportation in motor vehicles 3/3	28
Product identification	29
Measures.....	30
Technical data.....	30
Producer	30
Distributor	30
Maintenance	31



High-low indoor frame



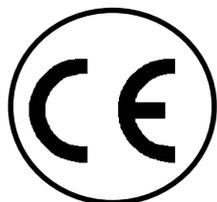
High-low outdoor frame

GB FRAMES

R82 offers a wide range of frames. Both for indoor and outdoor use.

Indoor use	Floor frame High-low indoor frame High-low:v indoor frame High-low:x indoor frame
Outdoor use	High-low outdoor frame High-low:x outdoor frame Pushchair frame

This manual will enable you to take full advantage of the many possibilities of the Frames.



GB SAFETY

The durability of these products is 5 years when it is used on a daily basis. Hereafter the product must be renovated (by R82 personnel) to extend the lifetime.

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

 The frames are constructed for one user only. Do not place more than one user in the seat on the frame.

 Never leave your child unattended in this product. Ensure constant supervision by an adult. Incorrect use of the product, may cause serious injury to the user. Ensure that the belt is securely fixed to the product before every use.

 The latest version of the manual is always available online: www.R82.com

GB WARRANTY

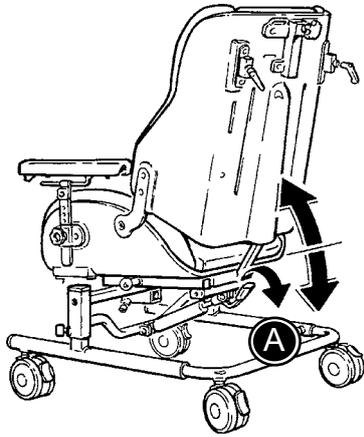
R82 offers a 2-year warranty against defects in workmanship and materials and a 5-year warranty on breakage of the metal frame caused by defects in welds. The warranty would be adversely affected if the customer's responsibility of servicing and/or daily maintenance is not carried out according to the guidelines and intervals prescribed by the supplier and/or stated in the manual. For further information, we refer to the R82 homepage/download. The warranty can only be sustained if the R82 product is in use in the same country where it was purchased and if the product can be identified by the serial number. The warranty does not cover accidental damage, including damage caused by misuse or neglect. The warranty does not extend to non-durable parts, which are subject to normal wear and tear and need periodic replacement. The warranty is null and void if non-original R82 parts/accessories are used, or if the product is repaired or altered by anyone other than an authorised R82 representative or by trained personnel officially recognised by R82 for repair and maintenance of R82 products. R82 reserves the right to inspect the product being claimed for and the relevant documentation before agreeing to the warranty claim, and to decide upon whether to replace or repair the defective product. It is the customer's responsibility to return the item being claimed for under warranty to the address of purchase.

The warranty is given by R82 or, subsequently, an R82 dealer

Seat \ Frame	Floor-frame	High-low indoor/outdoor	High-low:v indoor		High-low:x indoor			High-low:x outdoor		Pushchair frames		
	one sz.	one sz.	sz. 1	sz. 2	sz. 1	sz. 2	sz. 3	sz. 1	sz. 2	Serval sz. 1	Serval sz. 2	Stingray
Panda Futura sz. 1	●	●			○	○		○		●	●	●
Panda Futura sz. 2	●	●			○	○		○		●	●	●
Panda Futura sz. 2½	●	●			○	○		○			●	●
Panda Futura sz. 3	●	●			○	○	○	○				
Panda Futura sz. 4	●	●			○	○	○	○				
Panda Futura sz. 5*						○	●					
x:panda sz. 1 - S		○			●			●		●	●	●
x:panda sz. 1 - M		○			●			●		●	●	●
x:panda sz. 1 - L		○			●			●			●	●
x:panda sz. 2 - S		○			●			●		●	●	●
x:panda sz. 2 - M		○			●			●			●	●
x:panda sz. 2 - L		○			●			●				
x:panda sz. 3 - S							●	●		●		
x:panda sz. 3 - M							●	●		●		
x:panda sz. 3 - L							●	●		●		
x:panda sz. 4 - S								●				
x:panda sz. 4 - M								●				
x:panda sz. 4 - L								●				
Stingray sz. 1			●	○								
Stingray sz. 2				●								

- Recommendation
- Possibility

* We also recommend the Combi Frame for Panda Futura 5 (please see separate user guide).



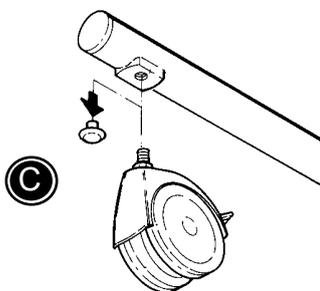
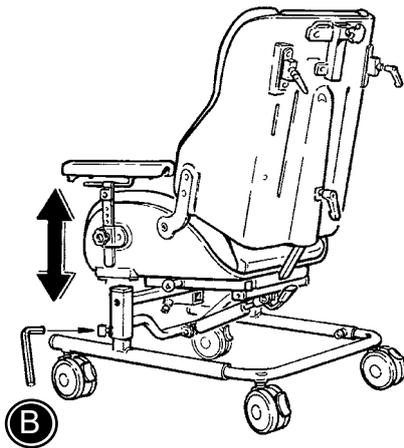
GB FLOOR FRAME FOR INDOOR USE

Angle the seat by pushing down the handle (A). Let go of the handle and the seat is “locked” in the wanted position.

Height adjustment. Use the attached 6 mm Allen key to loosen the screw. (B)

Mount the wheels as shown. (C). The wheels are optional accessories.

 The floor frame is only for indoor use.



GB HIGH-LOW SZ. 1
HIGH-LOW:X SZ. 1+2
INDOOR FRAME

The instructions below are for High-low and for High-low:x.

The frame is height adjustable from floor to table height. When pressing the footpedal (A) the height is adjusted individually. The foot pedal is equipped with a security lock (B). Turn the lock to the left and it is activated, turn it to the right and it is deactivated.

! Be careful when lowering this frame from the highest position to the lowest because of the risk of finger entrapment etc.

! If the the chair has to be used in the lowest position, the foot rest has to be removed first.

Further, angle the adaptor by lightly pressing down the handle (C) and pushing against the seat back.

! The handle is also equipped with a security knob. This must be deactivated before use.

! It is important to press down on the back while the seat is angled to ensure a slow angling.

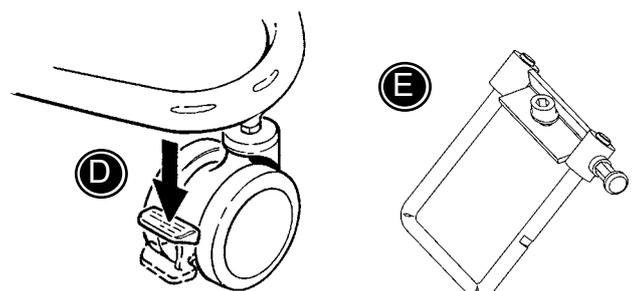
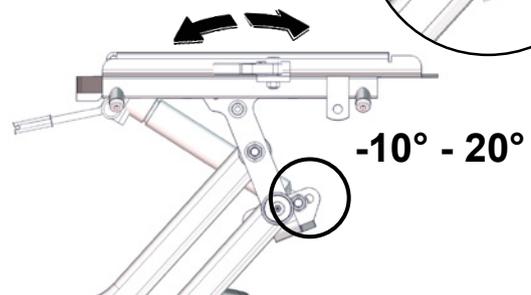
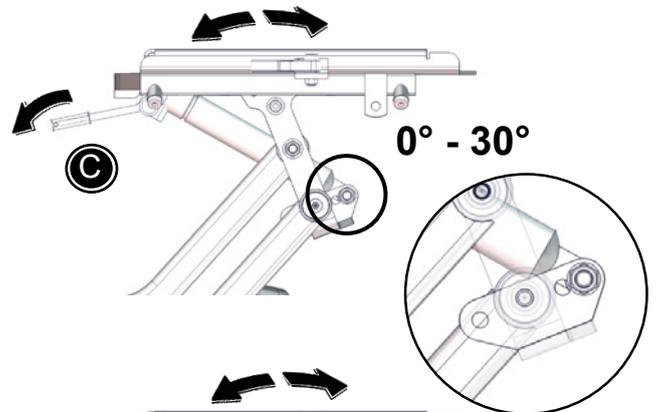
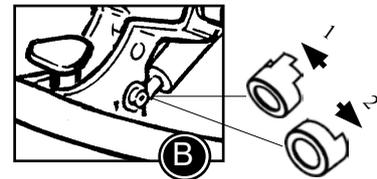
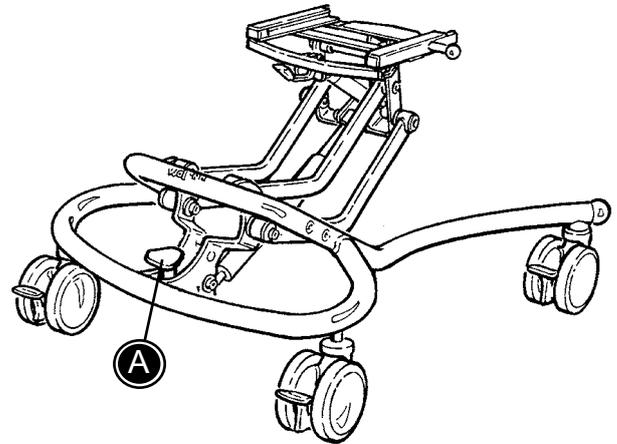
Let go of the handle and the seat is "locked" in the wanted position. Activate the security knob.

All four wheels have brakes (D).

The height adjustment can be made both with or without a seat on the frame.

! The High-low/High-low:x indoor frame is only for indoor use.

! When mounting a Panda Futura size 4 on a High-low/High-low:x frame, you **MUST** mount anti-tip device (E).



G
B

GB HIGH-LOW SZ. 1 HIGH-LOW:X SZ. 1+2 OUTDOOR FRAME

The instructions below are for High-low and for High-low:x.

The frame is height adjustable from floor to table height. When pressing the foot pedal (A) the height is adjusted individually. The foot pedal is equipped with a security knob. Turn the lock to the left and it is activated, turn it to the right and it is deactivated.

! Be careful when lowering this frame from the highest position to the lowest because of the risk of finger entrapment etc.

! If the the chair has to be used in the lowest position, the foot rest has to be removed first.

Further, angle the seat by lightly pressing down the handle (B) and pushing against the seat back.

! The handle is also equipped with a security knob. This must be deactivated before use.

! It is important to press down on the back while the seat is angled to ensure a slow angling.

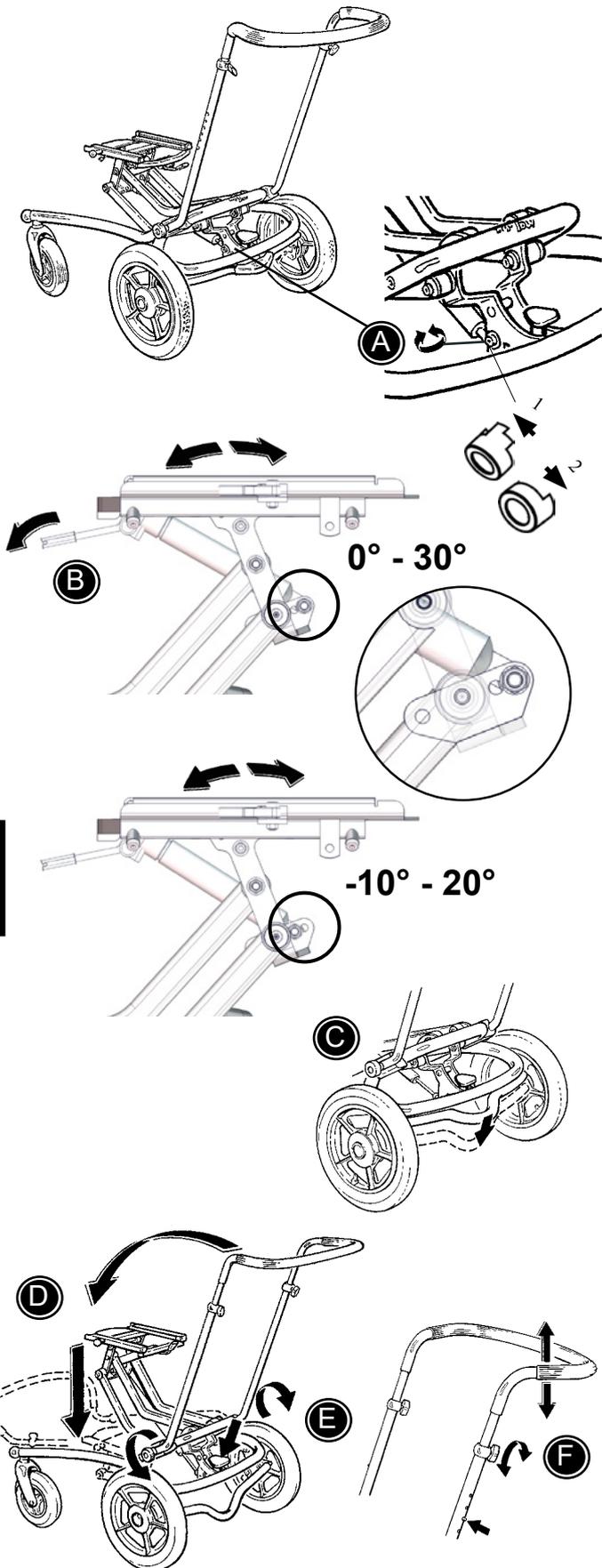
Let go of the handle and the seat is "locked" in the wanted position. Activate the security knob.

Activate the brake with the foot (C).

The frame is very easy to fold (D). Activate the footpedal (A) and the seat unit can be pushed down to floor height. Then loosen the handles (E) at both sides and fold the handbrace. The push brace is adjustable in height (F).

! The High-low/High-low:x outdoor frame is approved for transportation of children in vehicles.

! When mounting a Panda Futura size 4 on a High-low/High-low:x frame, you **MUST** mount anti-tip device.



GB HIGH-LOW:X HYDRAULIC SZ. 2 INDOOR FRAME

The instructions below are for High-low:x hydraulic.

The frame is height adjustable from floor to table height. By stepping on the foot pedal (A) the height is adjusted upwards by using a pumping motion of the foot. The seat is lowered by putting your foot under the foot pedal, lifting up the pedal by which the seat is lowered.

! Be careful when lowering this frame from the highest position to the lowest because of the risk of finger entrapment etc.

! If the the chair has to be used in the lowest position, the foot rest has to be removed first.

The adaptor is angled by lightly pressing down the handle (B) and pushing against the seat back.

! The handle is also equipped with a security knob. This must be deactivated before use.

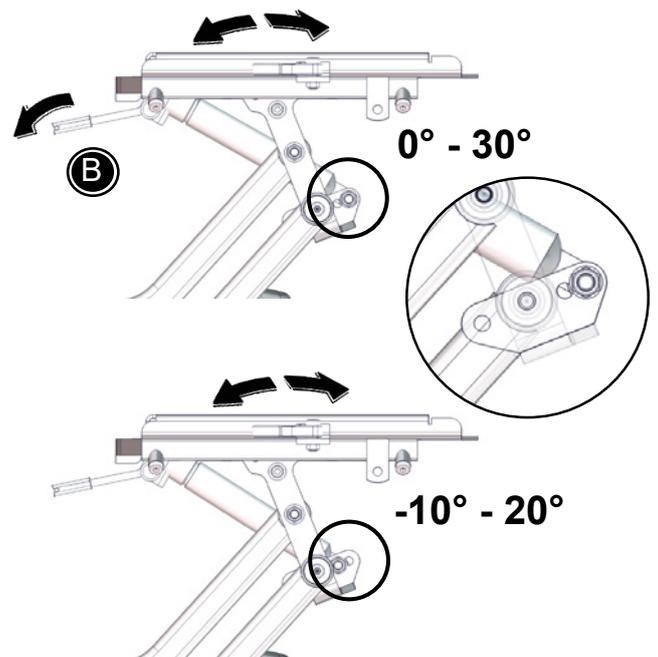
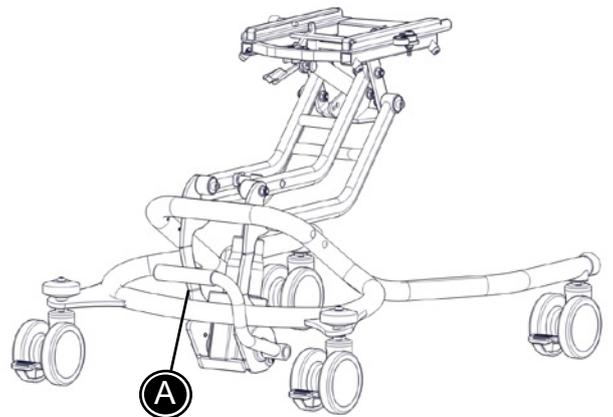
! It is important to press down on the back while the seat is angled to ensure a slow angling.

Let go of the handle and the seat is "locked" in the wanted position. Activate the security knob.

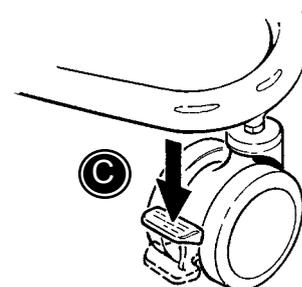
All four wheels have brakes (C).

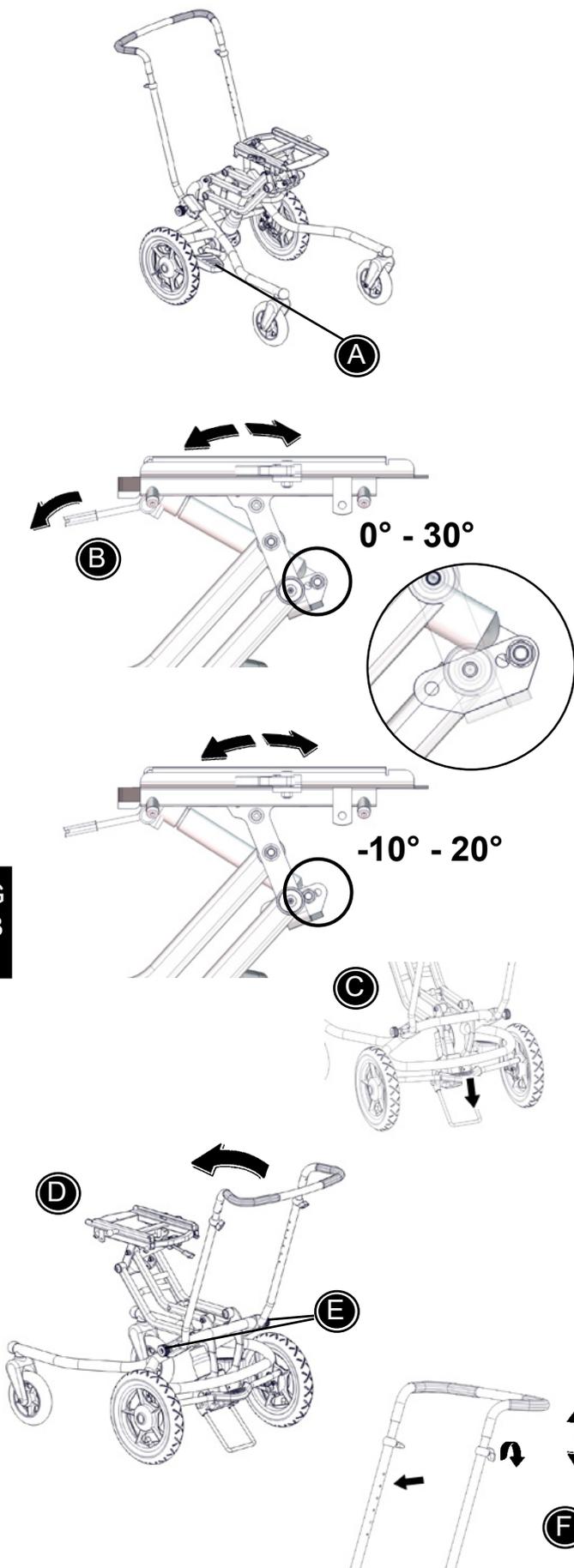
The height adjustment can be made both with or without a seat on the frame.

! The High-low:x indoor frame is only for indoor use.



**G
B**





GB HIGH-LOW:X HYDRAULIC SZ. 2 OUTDOOR FRAME

The instructions below are for High-low:x hydraulic.

The frame is height adjustable from floor to table height. By stepping on the foot pedal (A) the height is adjusted upwards by using a pumping motion of the foot. The seat is lowered by putting your foot under the foot pedal, lifting up the pedal by which the seat is lowered.

! Be careful when lowering this frame from the highest position to the lowest because of the risk of finger entrapment etc.

! If the the chair has to be used in the lowest position, the foot rest has to be removed first.

The seat is angled by lightly pressing down the handle (B) and pushing against the seat back.

! The handle is also equipped with a security knob. This must be deactivated before use.

! It is important to press down on the back while the seat is angled to ensure a slow angling.

Let go of the handle and the seat is "locked" in the wanted position. Activate the security knob.

Activate the brake with the foot (C).

The frame is very easy to fold (D). Lift up the foot pedal (A) and the seat unit can be pushed down to floor height. Then loosen the handles (E) at both sides and fold the handbrace.

The push brace is adjustable in height (F).

! The High-low:x outdoor frame is approved for transportation of children in vehicles.

GB INDOOR AND OUTDOOR
FRAME WITH POWER
HIGH-LOW SZ. 1
HIGH-LOW:X SZ. 1+2

The instructions below are for High-low and for High-low:x.

Both the High-low/High-low:x indoor and outdoor frame is available with an actuator. Use the handset (A) to adjust the height of the seat.

! Be careful when lowering this frame from the highest position to the lowest because of the risk of finger entrapment etc.

! If the the chair has to be used in the lowest position, the foot rest has to be removed first.

Follow the description below to recharge the batteries:

- 1) Plug the charging lead into the handset.
- 2) Plug the charger into the electricity supply and switch on, the light on the charger will light up.
- 3) Charge the batteries until the lamp on the charger turns to green.

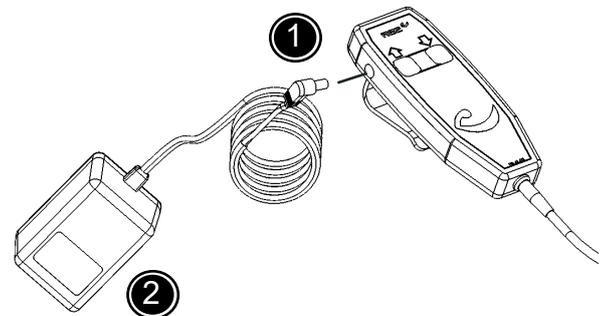
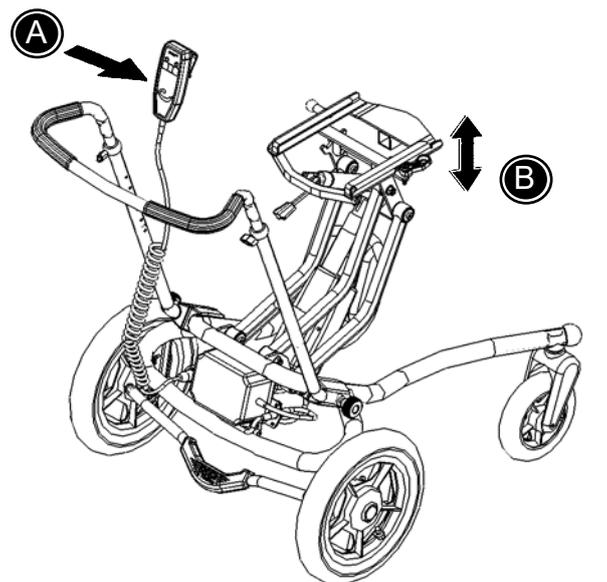
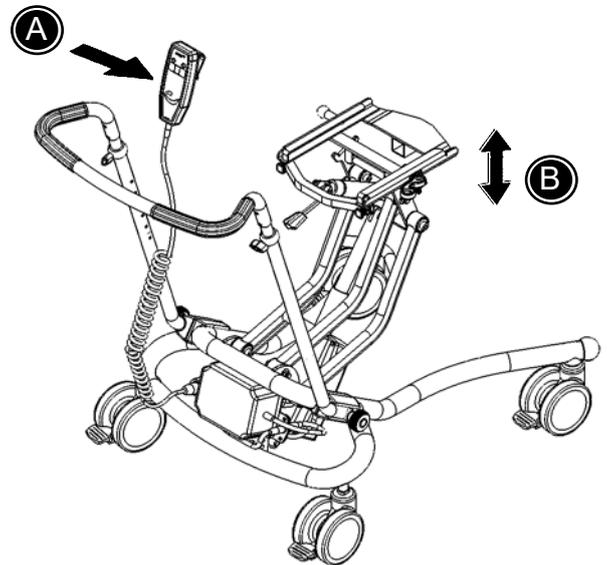
! For optimum lifetime of the actuator, connect it to the mains voltage 12 hours before use.

To gain the optimal profit of the height adjustment function, the batteries must be recharged every night. The batteries can not be charged to much, but do not ever let them drain completely.

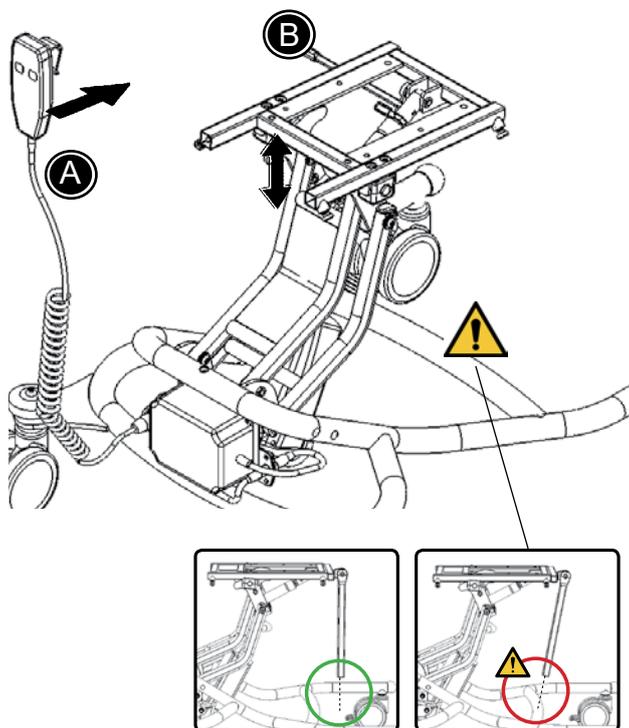
The batteries have a maximum life of 4 years but this can vary depending upon the conditions of use. Only replace batteries with new ones of the same type and manufacture.

! The High-low/High-low:x indoor frame with power is only for indoor use.

! The High-low/High-low:x outdoor frame is approved for transportation of children in vehicles when used in the approved manner.



G
B



GB INDOOR FRAME WITH POWER HIGH-LOW:X SZ. 3

The High-low:x indoor frame sz. 3 is only available with an actuator. Use the handset (A) to adjust the height of the seat.

! Be careful when lowering this frame from the highest position to the lowest because of the risk of finger entrapment etc.

! If the the chair has to be used in the lowest position, the foot rest has to be removed first.

! The frame with power does not have a safety stop at the height adjustment function. Please make sure that the foot support bar does not collide with the cross bar on the frame.

Follow the description below to recharge the batteries:

- 1) Plug the charging lead into the handset.
- 2) Plug the charger into the electricity supply and switch on, the light on the charger will light up.
- 3) Charge the batteries until the lamp on the charger turns off.

! For optimum lifetime of the actuator, connect it to the mains voltage 12 hours before use.

To gain the optimal profit of the height adjustment function, the batteries must be recharged every night. The batteries can not be charged to much, but do not ever let them drain completely.

The batteries are to be replaced within a period of 4 years and the new batteries must be of the same type and manufacture.

Further, angle the adaptor by lightly pressing down the handle (B) and pushing against the seat back.

! It is important to press down on the back while the seat is angled to ensure a slow angling.

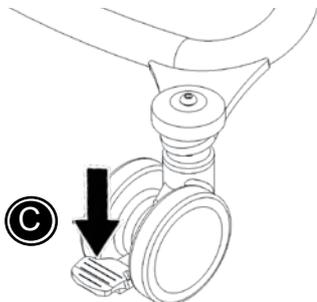
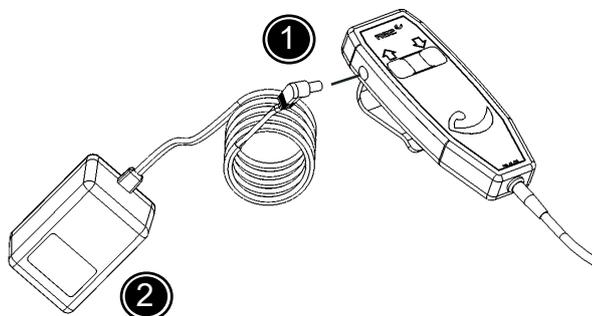
Let go of the handle and the seat is "locked" in the wanted position.

All four wheels have brakes (C).

The height adjustment can be made both with or without a seat on the frame.

! The High-low:x indoor frame is only for indoor use.

! The High-low:x frame is not approved for transportation of children in vehicles.



GB HIGH-LOW:V SZ. 1+2 INDOOR FRAME

The instructions below are for High-low:v.

The frame is heightadjustable from floor to tableheight. When preassembling the footpedal (A) the height is adjusted individually. The footpedal is equipped with a security lock (B). Turn the lock to the left and it is activated, turn it to the right and it is deactivated.

! Be careful when lowering this frame from the highest position to the lowest because of the risk of finger entrapment etc.

! If the the chair has to be used in the lowest position, the foot rest has to be removed first.

Further, angle the adaptor by lightly pressing down the handle (C) and pushing against the seat back.

! The handle is also equipped with a security knob. This must be deactivated before use.

! It is important to press down on the back while the seat is angled to ensure a slow angling.

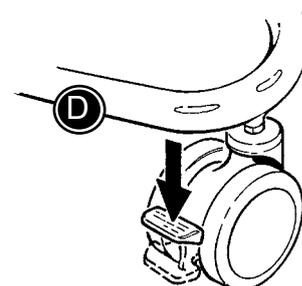
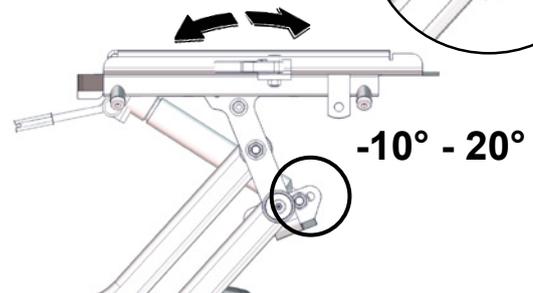
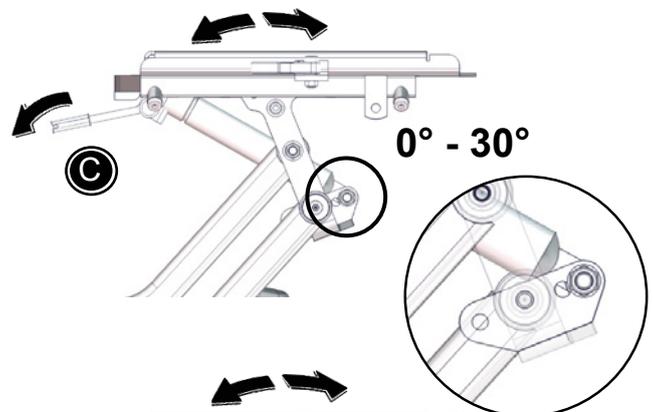
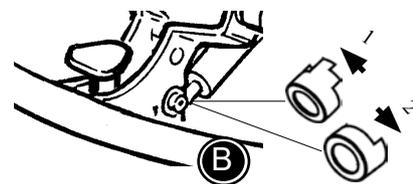
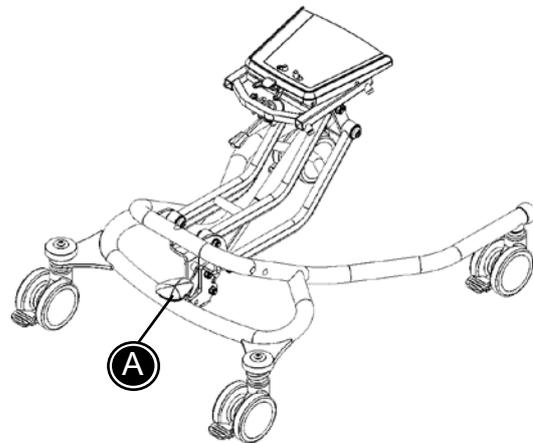
Let go of the handle and the seat is "locked" in the desired position. Activate the security knob.

All four wheels have brakes (D).

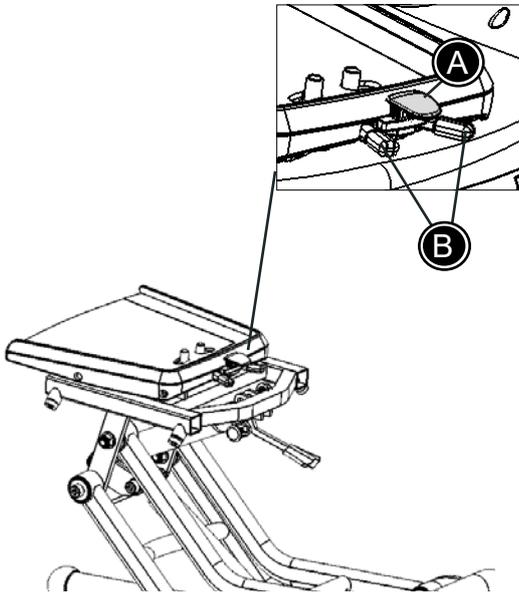
The height adjustment can be made both with or without a seat on the frame.

! The High-low:v indoor frame is only for indoor use.

! The High-low:v indoor frame is not approved for transportation of children in vehicles.



**G
B**



GB (CONTINUED) HIGH-LOW:V SZ. 1+2 INDOOR FRAME

Seat mounting / dismounting

 Make sure that the red security handle (A) on the back is lifted UP before mounting. Make sure that the red security handle (A) on the back is pushed DOWN after mounting.

- * Mount the seat onto the frame and make sure it clicks when pushed into place.
- * Push down the red handle (A).

To dismount:

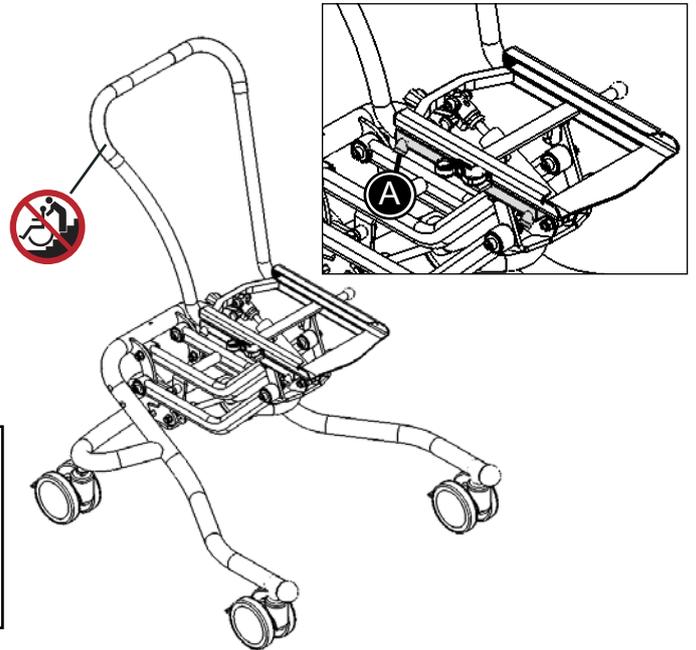
- * Tip up the red handle (A).
- * Squeeze the two handles (B) together, pull the seat forwards and remove it from the frame.

GB PUSH BRACE FOR HIGH-LOW, HIGH-LOW:V, HIGH-LOW:X INDOOR FRAME

Depth adjustment: Loosen the screws (A) at both sides of the frame and depth adjust the push brace. The push brace adjusts in two depths and clicks into place with the security pin.

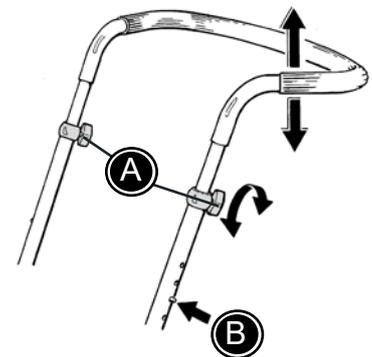
Fasten in the desired position.

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



GB PUSH BRACE FOR HIGH-LOW:X OUTDOOR FRAME

Height adjustment: Loosen the handles (A) and push in the locking pin (B).



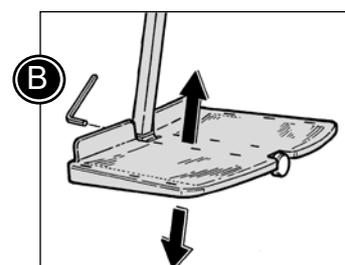
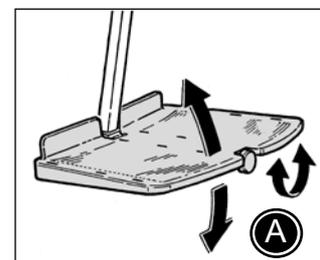
GB ADJUSTING THE "WOMBAT" FOOT PLATE

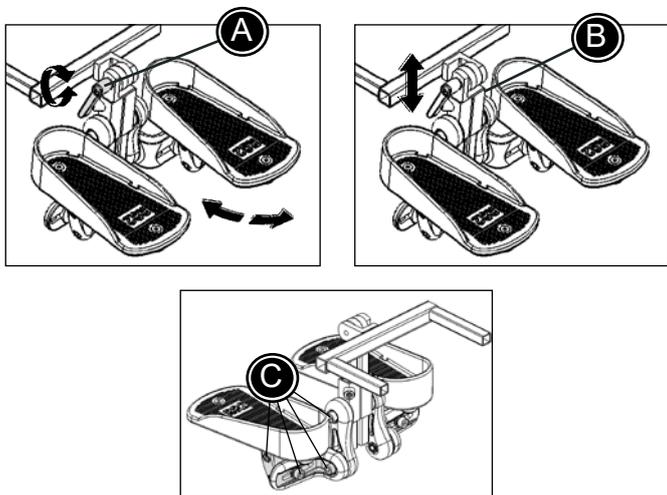
Angle adjustment - foot plate bar:
Loosen the handle (A).

Angle adjustment - foot plate:
Turn the fingerscrew to the right to adjust upwards and to the left to adjust downwards (A).

Height adjustment - foot plate:
Loosen the handle (B) using a 6 mm Allen key.

! Do not use the footrest as a step.





GB ADJUSTING THE INDIVIDUAL FOOT SUPPORTS

Angle adjustment - foot support bar:
Loosen the handle (A).

Height adjustment - foot support bar:
Loosen the screw (B) using a 6 mm Allen key.

Multi adjustment:
Loosen the screws (C) to angle, width, depth and height adjust the foot support.

 Do not use the footrest as a step.

GB INDIVIDUAL FOOTSUPPORTS FOR X:PANDA

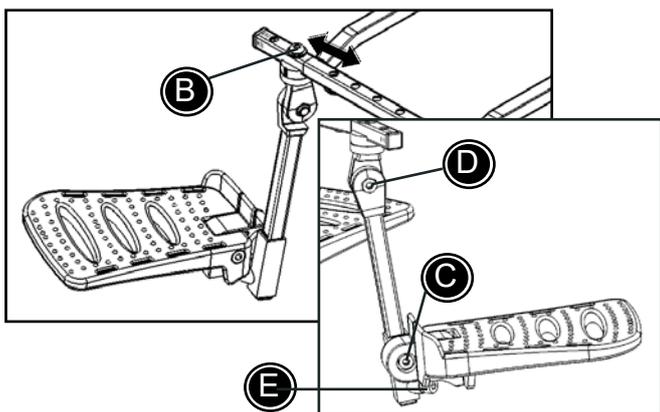
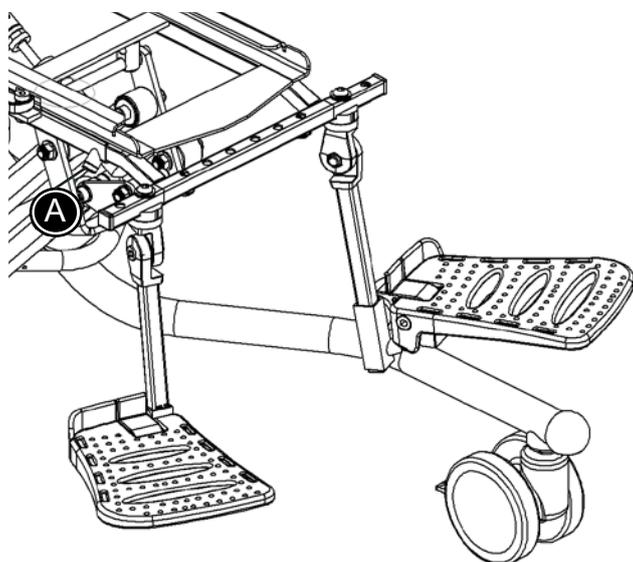
Mounting:
Mount the individual footsupports in the interface and tighten the screws (A).

Width adjustment:
Remove the screws (B) using the 5 mm Allen key. Place the footsupport as required and re-mount the screws.

Angle adjustment:
Loosen the screws (C or D) using the 5 mm Allen key, replace screws and tighten.

Height adjustment:
Loosen the screws (E) using the 5 mm Allen key, set the height and tighten.

 Do not use the footsupports as a step.

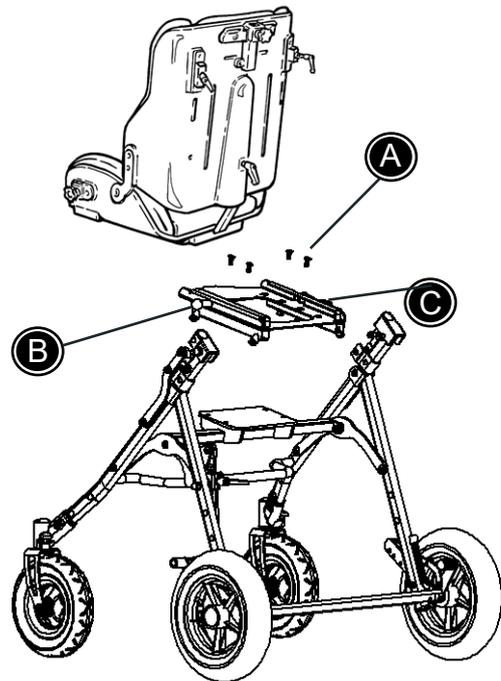


GB SERVAL PUSHCHAIR FRAME

Mount the interface to be able to mount the seat on the pushchair frame: The interface is mounted with 4 screws (A). Use a 4 mm allen key and a 10 mm spanner.

Before the screws are mounted, the interface can be adjusted forwards or backwards to obtain the correct centre of gravity and good stability for the Serval (D).

Further, you can reverse the seat 180° by reversing the interface before you mount it.



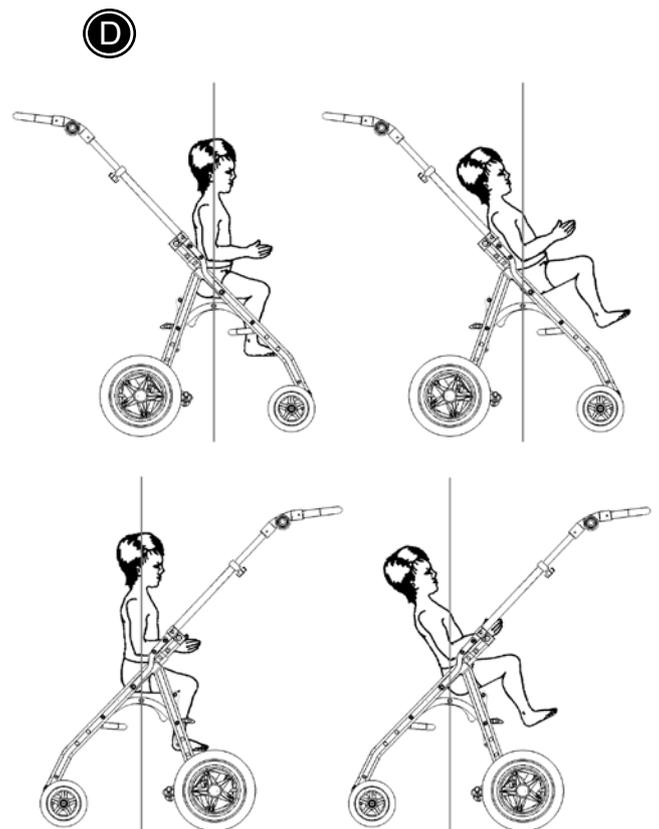
! Please notice that the pushchair frame with a Panda Futura or an x:panda seat mounted, must be placed in forward-facing position (both frame and seat), when used as a seat in a motor vehicle. Follow the instructions in the back of the manual.

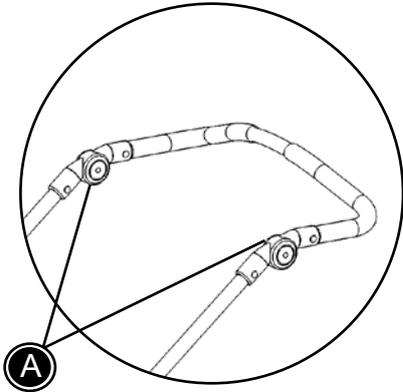
! It is very important to obtain the correct centre of gravity to maintain stability and prevent that the Serval is tipping.

! Make sure that the adapter has been fastened securely before a seat is mounted

Mounting a Panda Futura or x:panda seat in the interface: After securely mounting the interface on the frame, place the seat in the interface and push all the way back until it “clicks”. Then pull the green knob (B) and push the seat back until it “clicks” again. Lock with the red handle (C).

! Do not use the first hole the seat is “clicking” in. This is a safety hole, that catches the seat if the handle (C) is released by mistake.





GB (CONTINUED) SERVAL PUSHCHAIR FRAME

Adjust the push brace by pressing the knob (A) on both sides, while pulling or pushing the handle up or down. Ensure that the knob (A) clicks into place in both sides.

The Serval is folded/unfolded very easily and therefore easy to take anywhere. Press the red buttons at both sides (B) and fold.

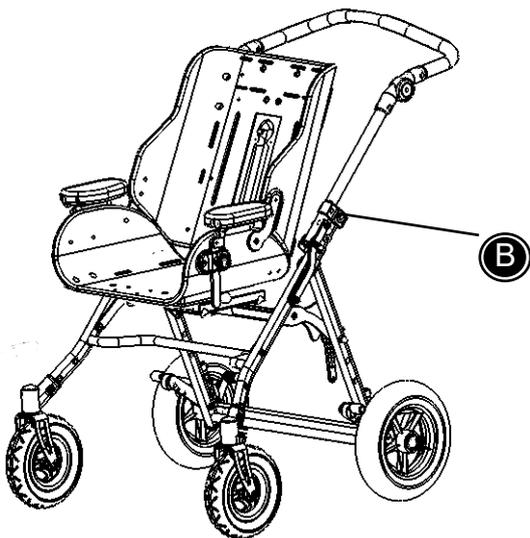
! When folding the frame, be careful not to get your fingers caught between the fitting and the frame.

! To fold the Serval completely, remove folding top, tray, shopping basket and hand brace, if any.

! The pushchair frame with a Panda Futura/x:panda seat mounted, is approved for transportation of children in vehicles. Follow the instructions in the back of the manual.

! The pushchair frame with a Panda Futura/x:panda seat mounted is to be used on a flat or slightly hilly ground with a stable foundation. Please avoid to use the product on the beach.

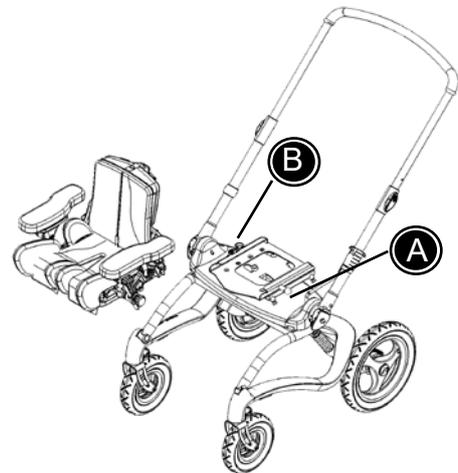
! Further information regarding the pushchair frame, can be found in the Serval manual. Please contact your local dealer or download the manual from our homepage www.R82.com



GB STINGRAY PUSHCHAIR FRAME

Mounting a Panda Futura or x:panda seat in the interface: Place the seat in the interface and push all the way back until it “clicks”. Then pull the green knob (A) and push the seat back until it “clicks” again. Lock with the red handle (B).

! Do not use the first hole the seat is “clicking” in. This is a safety hole, that catches the seat if the handle (B) is released by mistake.



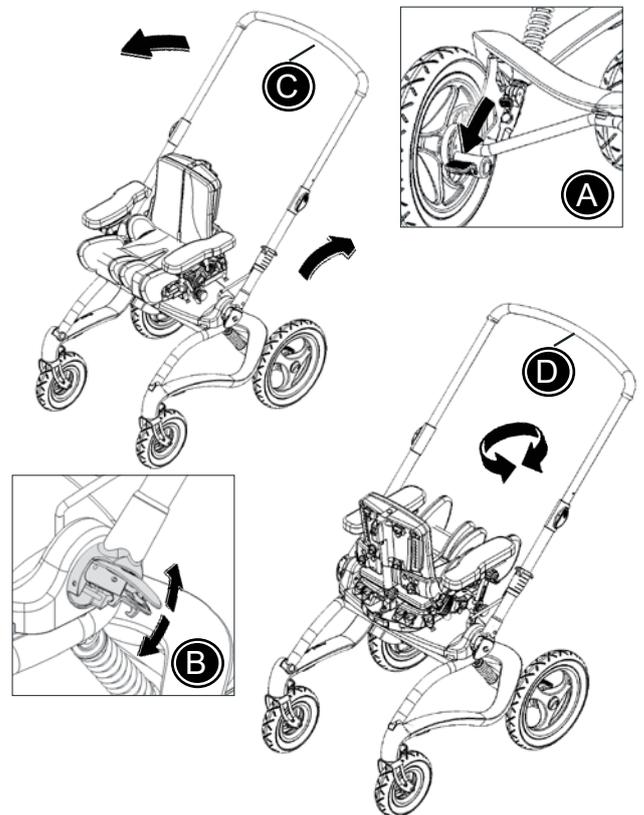
GB REVERSIBLE SEAT

The Stingray seat is reversible 180°. The easiest way is as follows:

- * Activate the brakes (A)
- * If necessary tip the footsupport
- * Unlock the handles (B)
- * Tip the push handle upright (C)
- * Lock the handles (B)
- * Turn the seat unit until it clicks into place (D)

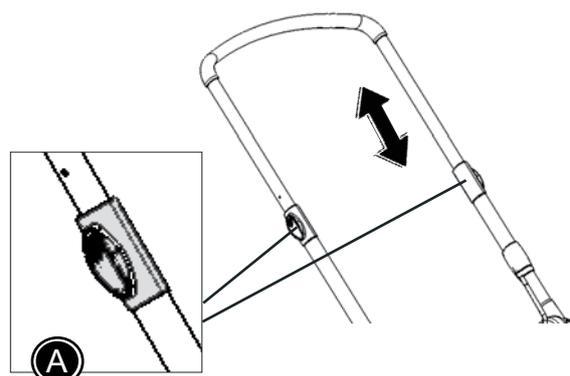
! The seat unit will only turn one way. An arrow on the push brace will indicate the correct way to turn.

! When turning the seat, please be careful not to get fingers caught between the seat and frame.



GB ADJUSTING THE PUSH BRACE

The push brace is adjusted by pushing in the buttons (A) on both sides of the handle and lifting the handle into the required position.



GB

GB (CONTINUED) STINGRAY PUSHCHAIR FRAME

The Stingray compacts very easily and therefore is easy to take anywhere.

- * Activate the brakes (A)
- * Activate (B) and push the push brace down into the lower half
- * Push down (C) to collapse the back end
- * Unlock the handles (D)
- * Turn the push handle to the other side (E).

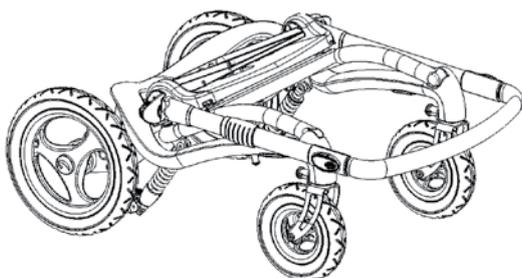
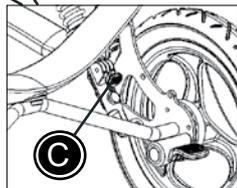
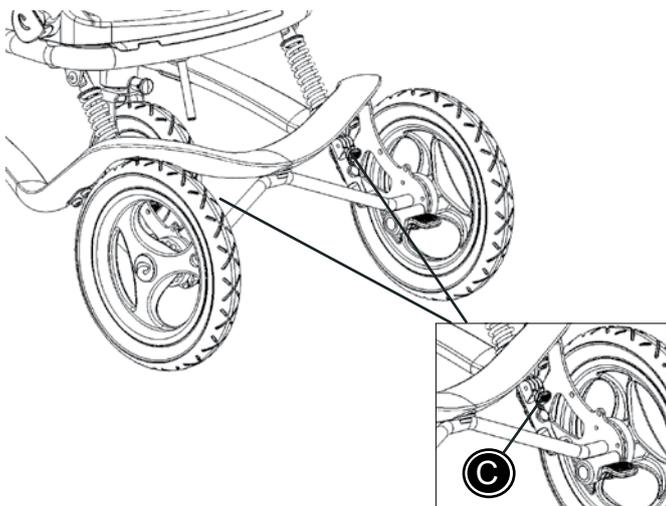
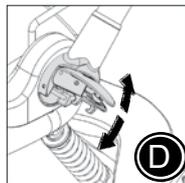
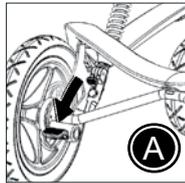
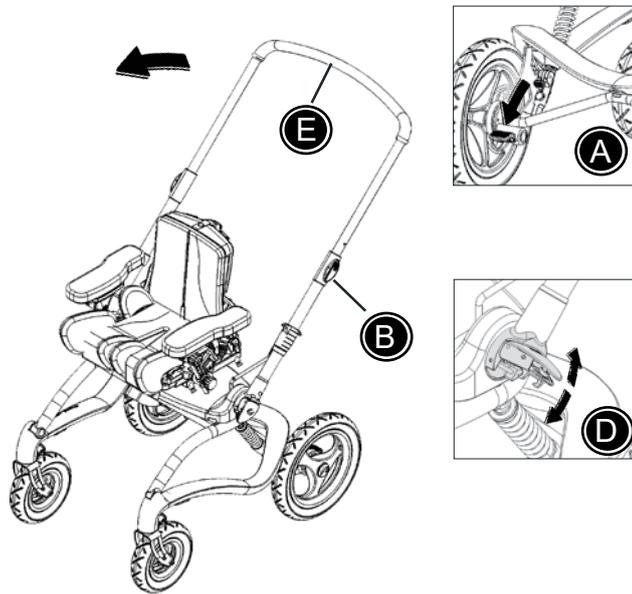
! When folding the frame, be careful not to get your fingers caught between the fitting and the frame.

! To fold the Stingray completely, remove the seat.

! The pushchair frame with an x:panda/Panda Futura seat mounted, is approved for transportation of children in vehicles. Follow the instructions in the back of the manual.

! The pushchair frame with an x:panda/Panda Futura seat mounted is to be used on a flat or slightly hilly ground with a stable foundation. Please avoid to use the product on the beach.

! Further information regarding the pushchair frame, can be found in the Stingray manual. Please contact your local dealer or download the manual from our homepage www.R82.com



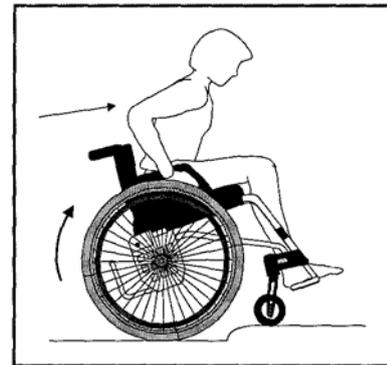
GB ROADABILITY FOR OUTDOOR FRAMES 1/4

Driving UP kerbs (max. 10 cm)

Forwards

This technique is recommended for the experienced users.

- * Make sure the anti-tip device is deactivated
- * Drive forward towards the kerb
- * Balance on the rear wheels and lift the front wheels from the ground. Bend forward and pull hard on the hand rims.



Forwards, with assistance

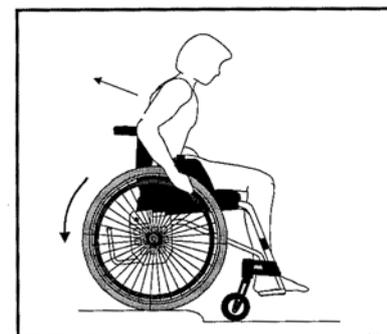
- * Make sure the anti-tip device is deactivated
- * Drive forward towards the kerb
- * Tilt the chair backwards to lift the front wheels above the kerb.
- * Lift on the handles to drive the rear wheels above the kerb.



Backwards

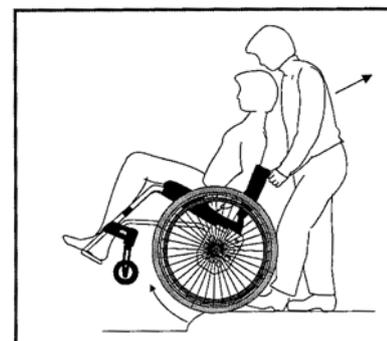
This technique is only to be used at low edges and is depended on the height of the footplate.

- * Make sure the anti-tip device is deactivated
- * Drive backwards towards the kerb
- * Bend forward and pull hard on the hand rims.



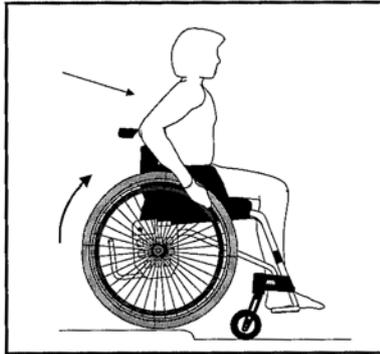
Backwards, with assistance

- * Make sure the anti-tip device is deactivated
- * Drive backwards towards the kerb.
- * Tilt the chair backwards to lift the front wheels.
- * Lift on the handles to pull the chair up. Pull the chair away from the kerb and put down the front wheels.



GB ROADABILITY FOR OUTDOOR FRAMES 2/4

Driving DOWN kerbs (max. 10 cm)



Forwards

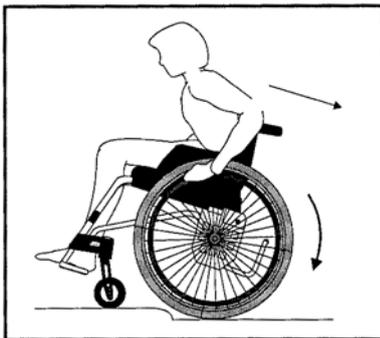
This technique is recommended for the experienced users.

- * Make sure the anti-tip device is deactivated
- * Drive forward towards the kerb
- * Pull hard on the hand rims and drive forward. All wheels will touch the ground at the same time.



Forwards, with assistance

- * Make sure the anti-tip device is deactivated
- * Drive forward towards the kerb.
- * Tilt the chair backwards to lift the front wheels.
- * Drive carefully down the kerb and put down the front wheels.



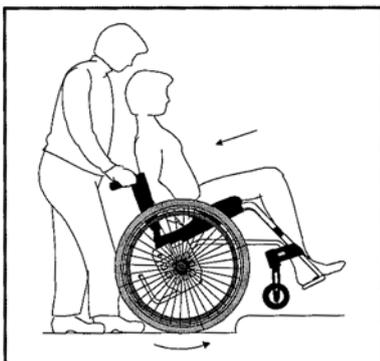
Backwards

This technique must never be used if the height difference is more than 10 cm and only by experienced users.

- * Make sure the anti-tip device is deactivated
- * Drive backwards towards the kerb
- * Bend forward and drive carefully down the kerb.



High tilting risk at this technique



Backwards, with assistance

- * Make sure the anti-tip device is deactivated
- * Drive backwards towards the kerb.
- * Drive carefully down the kerb and pull the chair away from the kerb.
- * Put down the front wheels.

GB ROADABILITY FOR OUTDOOR FRAMES 3/4

Driving DOWN/UP a hill

Follow the below to avoid tilting when driving down/up a hill.

Driving down:

Sit upright in the chair. Correct the speed with the hand rims and not with the brakes.

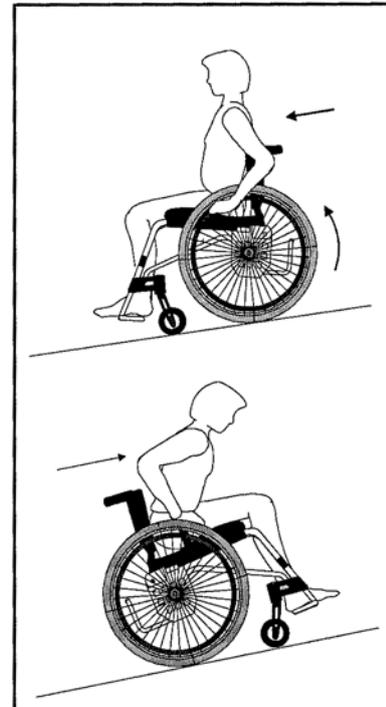
Driving up:

Bend forward to correct the point of gravity.

 Avoid to turn around in the middle of the hill.

 Always sit as upright as possible

 Better to ask for help than to take a risk on your own.



GB ROADABILITY FOR OUTDOOR FRAMES 4/4



Driving UP stairs

 Always ask for help.

 Never enter an escalator even with help from others.

Backwards, with assistance:

- * Make sure the anti-tip device is deactivated and the handles is tightened securely.
- * Drive backwards toward the first step.
- * Tilt the chair and pull up the chair one step at a time. Make sure to keep balance on the rear wheels.
- * Pull the chair away from the last step and put down the front wheels.

Driving DOWN stairs

 Always ask for help.

 Never enter an escalator even with help from others.

Forward, with assistance:

- * Make sure the anti-tip device is deactivated.
- * Drive towards the first step and tilt the chair.
- * Drive down one step at a time. Make sure to keep balance on the rear wheels.
- * Put down the front wheels after the last step.

 If two helpers are present, one can assist by lifting at the front.

 The helpers need to make sure to lift the correct way - with the strength from the legs and not from the back.

GB GASSPRING ADJUSTMENT

Some of the frames are equipped with a gas-spring to regulate the angle. After a period the gasspring might need to be adjusted. The adjustment is only necessary when:

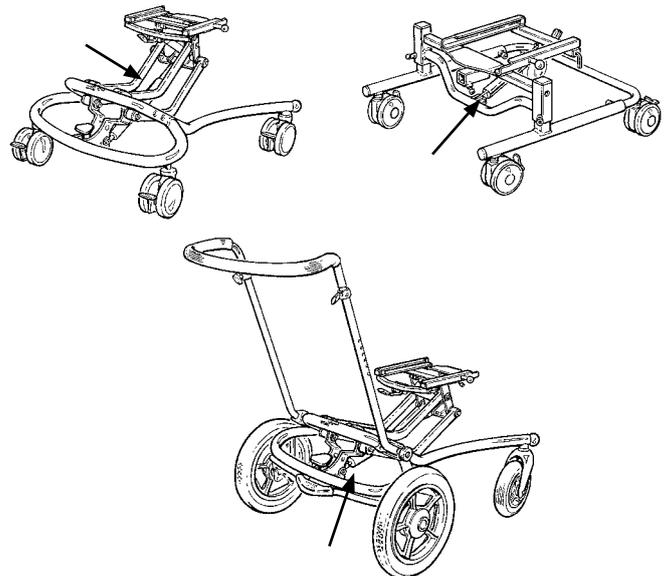
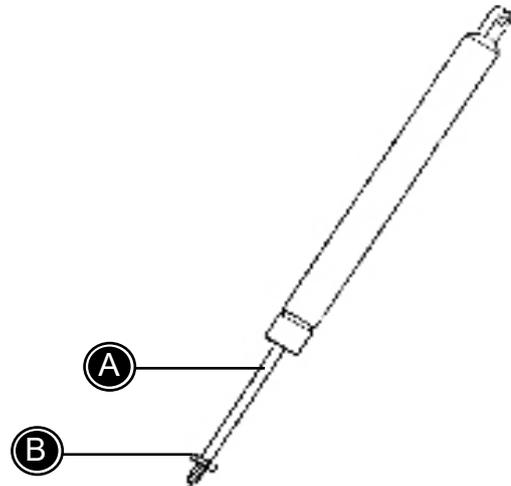
- the gasspring releases itself
- the gasspring can not be released at all

If the gasspring releases itself; loosen the nut (B) with a 17 mm wrench. Then turn the piston rod (A) counter clockwise to tighten. Fasten the nut (B) again.

If the gasspring can not be released at all; loosen the nut (B) with a 17 mm wrench. Then turn the piston rod (A) clockwise to loosen. Fasten the nut (B) again.



Do not expose the gasspring to pressure, high temperatures or perforation.



GB TRANSPORTATION IN MOTOR VEHICLES 1/3

The Panda Futura/x:panda seat on a **pushchair frame or High-low/High-low:x outdoor frame**, is approved for transporting children in motor vehicles, when the chair is placed in forward-facing position. The approval is only valid on certain sizes - see overview at:

www.R82.com/files/archive/Publications/Pdf/Chart_transport.pdf

! The approval is not valid on special made chairs.

Follow the below to ensure the safety:

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

! The chair has been dynamically tested according to ANSI/RESNA WC/Vol. 1 and ISO 7176/19-2001 + 16840-4:2009.

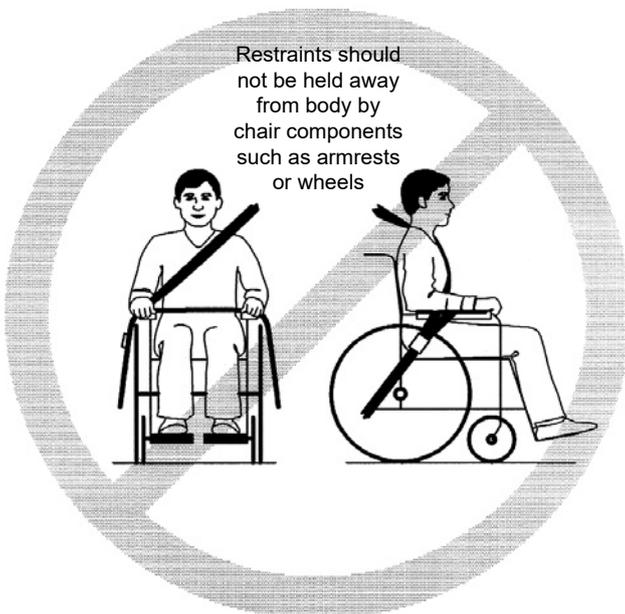
! Both frame and seat must be placed in forward-facing position, when used as a seat in a motor vehicle. Use an approved 4-point strap-type tiedown system.

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

! The front wheels needs to be turned away under the frame before fixation.

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

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

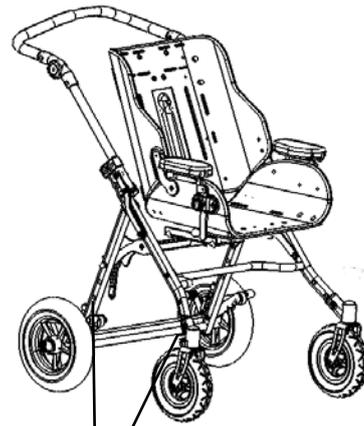
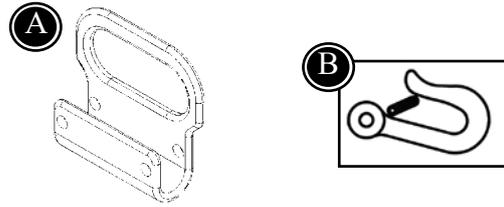


GB TRANSPORTATION IN MOTOR VEHICLES 2/3

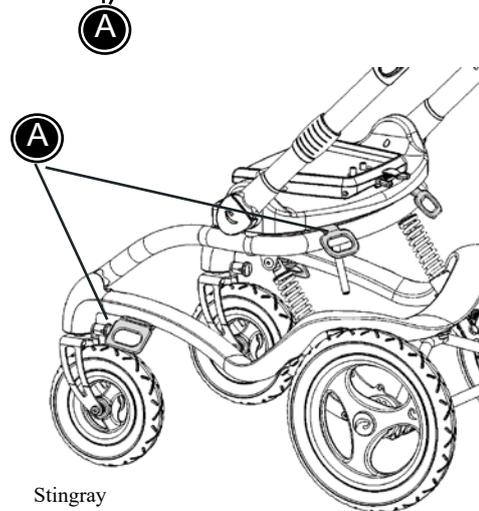
Secure the x:panda/Panda Seat on a puchchair frame or a High-low/High-low:x outdoor frame in the vehicle:

- * Mount the 4-point strap-type tiedown system in the vehicle. (Follow the manufacture instructions).
- * Mount the two fittings (A) with the symbol (B) on both sides of the frame.
- * Secure the chair to the vehicle, using the 4-point strap-type tiedown system. Use either a hook or a strap in the fitting (A).

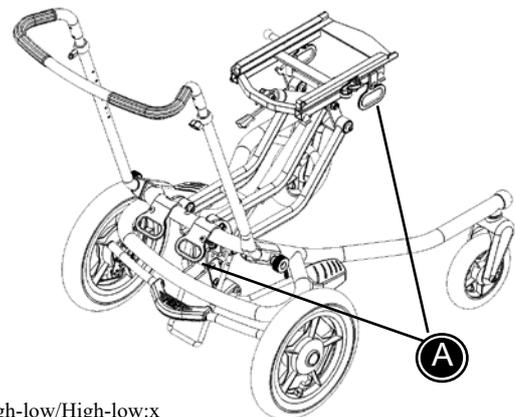
 Use a 4-point strap-type tiedown system approved according to ISO 10542-2.



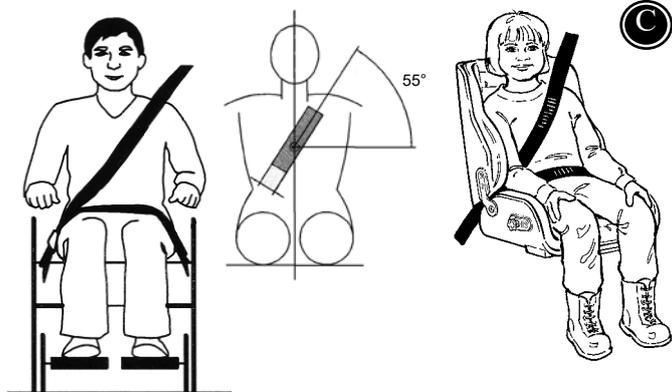
Serval



Stingray



High-low/High-low:x

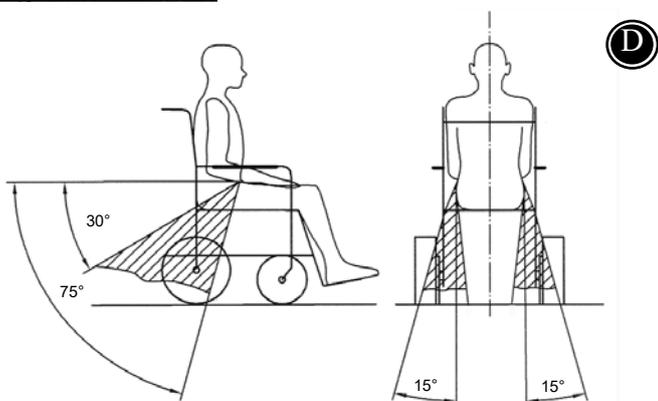


C

GB TRANSPORTATION IN MOTOR VEHICLES 3/3

2. Secure the child in the chair:

- * Use the 3-point belt as shown on drawing (C).
- * The angle and placement of the 3-point belt has to be according to the drawings (D).
- * 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.
- * We recommend to maintain a 90° angle of the seat and back and tilt the complete seat unit 18° to the back.



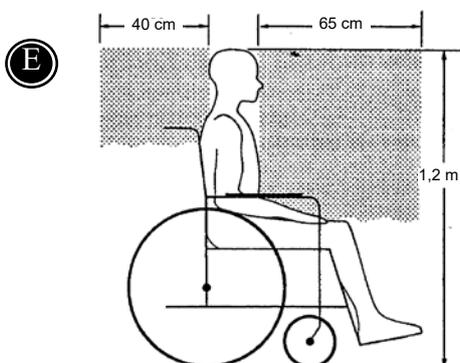
D

! Use a 3-point belt approved according to ISO 10542-1.

Transportation:

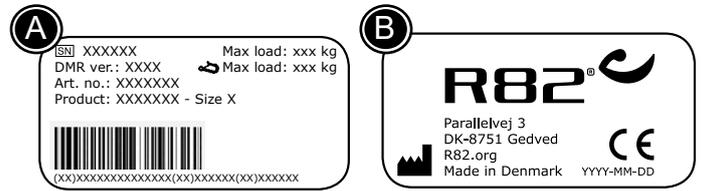
- * Remove all accessories from the chair before transportation.
- * Place the child in forward-facing position.

! Be aware of the recommended safety zone (E) when moving children in vehicles.



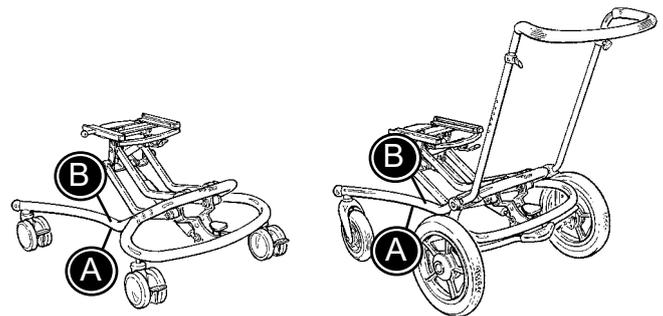
E

GB **PRODUCT IDENTIFICATION**



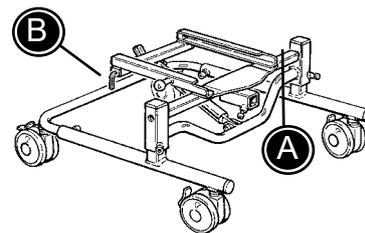
High-low/High-low:v/High-low:x indoor and outdoor frame

- A) Serial number
The label is placed on the left side of the frame.
- B) Manufacturer
The label is placed on the left side of the frame.



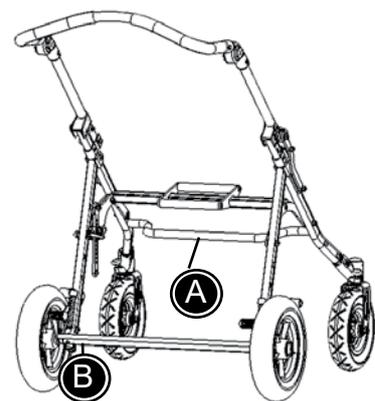
Floor frame

- A) Serial number
The label is placed in the left side, on the cross bar.
- B) Manufacturer
The label is placed in the middel of the cross bar on the back of the frame.



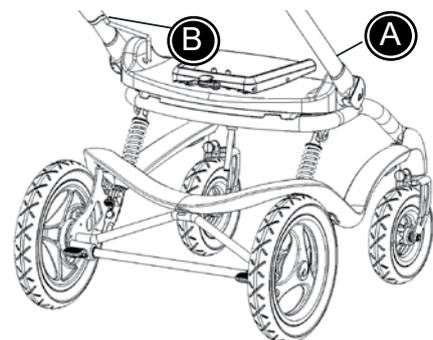
Serval pushchair frame

- A) Serial number
The label is placed on the top cross bar below the seat.
- B) Manufacturer
The label is placed on the cross bar at the left rear wheel.



Stingray pushchair frame

- A) Serial number
The label is placed lowest down on the inside of the push brace right bar.
- B) Manufacturer
The label is placed lowest down on the inside of the push brace left bar.



**G
B**

GB MEASURES

Frame	Length (cm)	Width (cm)	Height floor to interface (cm)	Seat angle	Weight (kg)	Max load (kg)	Max load at transportation (kg)
Floor frame	49	53	23	-15° - +20°	3,9	60	-
Floor frame with wheels	49	53	32	-15° - +20°	5,9	60	-
High-low indoor frame	69	56	17-60	+40°	12,3	60	-
High-low indoor frame w/power	69	56	17-60	+40°	12,8	60	-
High-low:v indoor frame, sz. 1	69	56	21-63	+40°	13,2	40	-
High-low:v indoor frame, sz. 2	78	62	26-62	+40°	14,4	40	-
High-low:x indoor frame, sz. 1	69	56	17-60	+40°	12,5	60	-
High-low:x indoor frame, sz. 2	78	62	25-61	+40°	14,0	60	-
High-low:x indoor frame, sz. 1 w/power	69	56	17-60	+40°	13,0	60	-
High-low:x indoor frame, sz. 2 w/power	78	62	25-62	+40°	16,5	60	-
High-low:x indoor frame, sz. 3 w/power	78	62	26-55	+40°	17,0	100	-
High-low:x indoor frame, sz. 2 w/hydraulik	78	62	22-58	+40°	16,5	60	-
High-low outdoor frame	96	62	26-70	+40°	17,5	60	-
High-low outdoor frame w/power	96	62	26-70	+40°	18,0	60	-
High-low:x outdoor frame, sz. 1	96	62	26-70	+40°	17,5	60	-
High-low:x outdoor frame, sz. 2	111	62	33-64	+40°	20,0	60	-
High-low:x outdoor frame, sz. 1 w/power	96	62	26-70	+40°	18,0	60	-
High-low:x outdoor frame, sz. 2 w/ power	111	62	33-64	+40°	20,5	60	-
High-low:x outdoor frame, sz. 2 w/hydraulik	111	62	43-59	+40°	20,5	60	-
Serval frame, size 1	68	60	45	-19° - +31°	11,0	35	35
Serval frame, size 2	68	65	45	-19° - +31°	12,0	50	43
Stingray w.turnable front wheels	74	59	52	+45°	13,5	40	40
Stingray w.large front wheels	84	59	52	+45°	13,5	40	40



Further information regarding max. load/user weight and transportation:
www.R82.com/files/archive/Publications/Pdf/Chart_transport.pdf

GB TECHNICAL DATA

Stingray: Carbon fibre
 Other frames: Powderpainted steel

GB PRODUCER

R82 A/S
 Parallevej 3
 8751 Gedved

GB DISTRIBUTOR



Please find your distributor on www.R82.com

GB MAINTENANCE

The carer should check and refill the tyres for air at least once a month. Air pressure:

High-low outdoor frame. Front: 35 PSI/250 kPa, rear: 40 PSI/2,5 bar

Pushchair frame. Front: 36 PSI/2,5 bar, rear: 36 PSI/2,5 bar

 The carer should check and oil the swing away parts occasionally - at least every 6 months.

 Use a dry cloth, on a weekly basis, to wipe of filth and dirt from the wheels. Do not use any cleaning materials containing chlorine or methylated spirit.

 If expanding brakes are mounted, the wires have to be tight, to make the brakes work properly. A qualified technician has to check and tighten the brakes at least every 6 months.

 Do not expose the gasspring to pressure, high temperatures or perforation.

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

