

OWNER'S MANUAL

US

Corpus II

Seat Assembly for Permobil Power Wheelchair



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Important Information about this Owner's Manual

We congratulate you on your choice of a product from Permobil. Our goal is for you to continue to feel satisfied with your choice of both vendor and product.

Before you begin using your seat and wheelchair, it is important that you read and understand the content of these operating instructions and in particular the Safety Instructions.

These operating instructions are primarily intended to acquaint you with the functions and characteristics of the seat and how you can use them in the best manner possible. They also contain important safety and maintenance information, as well as describing possible problems that can arise during use.

Always keep these operating instructions handy in connection with your wheelchair, since the need for important information can arise concerning its use, safety and maintenance.

It is also possible to obtain information concerning our products from our home page on the Internet. You can find us at www.permobil.com.

All information, pictures, illustrations and specifications are based upon the product information that was available at the time that these operating instructions were printed. Pictures and illustrations that are found in these operating instructions are representative examples and are not intended to be exact depictions of the various parts of the seat.

We reserve the right to make changes to the product without prior notice.

Ordering of Documentation

If you are in need of another copy of the Owner's Manual, it can be ordered from Permobil, ask for item No. 201051-US-0.

TECHNICAL SUPPORT

In the event of technical problems, you should contact your dealer or Permobil Inc USA at 1-800-736-0925.

Always state the seats serial number when contacting Permobil to ensure that the correct information is provided.

SPARE PARTS & ACCESSORIES

Spare parts and accessories must be ordered through your dealer.

SCRAPPING THE SEAT

Contact Permobil Inc. for information about scrapping agreements in force.

WARRANTY

A warranty registration card is attached to each new wheelchair. The Permobil Inc. Product Warranty Information sets forth the conditions of the warranty.

Contact your dealer or Permobil Inc USA for information about the warranty period for this wheelchair and seat.

Safety Instructions - General

The seat is heavy and contains many moving parts. Special care must therefore be taken when it is used. Please read and follow all instructions and warnings in this manual before operating your seat together with your Permobil powered wheelchair. Incorrect use may both injure the user and damage the seat and wheelchair. In order to reduce these risks, you should read the Owner's Manual carefully, in particular the safety instructions and their warning texts.

Throughout this manual the following symbol will be used to note items that have significant importance to safety concerns:



NOTE

Please use caution where this symbol appears.



WARNING

Please use extreme caution where this warning symbol appears. Failure to observe warnings can lead to personal injury and property damage, including damage to the wheelchair.

Permobil is not responsible for personal injuries or property damage resulting from any person's failure to follow the warnings and instructions in this manual. Permobil is not responsible for injuries or damage resulting from failure to exercise good judgment.

The final selection and purchasing decision about the type of electric wheelchair and seating system to be used is the responsibility of the wheelchair user and his or her healthcare professional. Permobil Inc. is not responsible for inappropriate selections of wheelchair models and seating system or features or improper fitting of the wheelchair and seat.

Safety Instructions - General

Your wheelchair and seat was configured specifically for your needs as prescribed by your healthcare provider. Consult your healthcare provider before changing the seat position or making any other adjustment. Some adjustments may reduce your wheelchair's performance or safety or may not be appropriate for your needs.

It is also of the utmost importance that you devote sufficient time to become acquainted with the different buttons, the function and steering controls, the different adjustment possibilities of the seat, etc. of your wheelchair and its accessories before you begin using it.

Do not undertake your own first test drive without making sure that you have assistance in the immediate vicinity if you should need help.

In order to make sure that nothing happened to the wheelchair while it was being shipped to you, you should check the following items before beginning to use it:

- that all products ordered are included in the delivery, including operating instructions and possible other documentation. If you suspect that something is missing, then contact your supplier or Permobil for more information as soon as possible.
- that no transport-related or other damages have occurred to the wheelchair, seat and its accessories. If you discover that something has been damaged or in some other manner appears to be incorrect, then contact your supplier or Permobil for more information as soon as possible before you continue the checks.

Safety Instructions



WARNING

Damage to the seat

It is most important that Permobil should be notified as soon as possible if the seat or its accessories have been damaged during transport, or damaged in any other way while running. There is a risk that the seat and its accessories can no longer be used safely.

Driving with Seat Lift/Seat Tilt

Make sure that no people are in the way of the seat when its functions are activated.

Be careful in making sure that nothing gets stuck between the chassis and the seat when the seat lift/seat tilt is operated. Operating the seat lift, seat tilt/ backrest recline changes the center of gravity and increases the risk of tipping over. Always drive in low speed and only use those seat functions on level ground, and not on hills, ramps, slopes or other inclines. Using those seat functions while driving on inclines can lead to personal injury and property damage, including damage to the wheelchair.

Center of Balance

The possibility of this wheelchair tipping and the point where this wheelchair will tip forward, back or to the side depends on its center of balance. Please note that the following factors can affect the wheelchair's center of balance:

- Elevation of the seat
- Height and angle of the seat
- Body position or weight distribution
- Driving on an incline such as a ramp or a hill
- Use of a backpack or other accessories, depending on the amount of weight added.

If your wheelchair begins to move in an unexpected manner, immediately release the joystick to stop the wheelchair. Except in an emergency, do NOT use the on/off button to stop your wheelchair. This will cause the wheelchair to stop abruptly and may cause personal injury.

Safety Instructions



WARNING

Positioning Belt

Permobil positioning belts are designed to position the user only and will not protect you in an accident. You may even receive further injury from the belts.

Transfer into and out of the chair

Be sure that the power is turned OFF before entering or leaving the wheelchair and before lifting the control side armrest.

When transferring into or out of the wheelchair, every precaution should be taken to reduce the distance between the wheelchair and the place to which the user is transferring. Overextending this distance can cause user to overexert, lose balance, or fall.

Permobil recommends that users transfer in the presence of or with the assistance of an attendant.

Use caution when bending or reaching.

Never use the joystick as a handhold or point of support.

Do not use foot plates or armrests as supports when transferring into or out of the wheelchair. The footplates and armrests are not designed to be weight-bearing structures. Excessive force may cause them to give way, resulting in personal injury or property damage, including damage to the wheelchair.

Safety Instructions



WARNING

Passengers

The wheelchair is not intended to transport passengers, regardless of the age of the passenger. The Maximum User Weight stated in this manual includes the user and any personal effects. The Maximum limit should not be exceeded. The wheelchair's maneuverability and stability can be degraded as a result.

Environmental Conditions

Protect your seat and wheelchair from exposure to any type of moisture, including rain, snow, or wash. Exposure to moisture can caused the chair to short-circuit, catch fire and cause personal injury or property damage. Do not operate your wheelchair if it has been exposed to moisture until it has dried completely.

If any of the shrouds or the joystick boot has cracks or tears, they must be replaced immediately. Failure to do so can allow moisture to enter the electronics and cause personal injury or property damage, including fire.

NOTE: *Extreme care should be exercised when using oxygen in close proximity to electric circuits and other combustible materials. Contact your oxygen supplier for instruction in use of oxygen.*

Safety Instructions



WARNING

Transport

The wheelchair/seat must be transported in or with transport solutions that have been approved for this purpose.

Do not lift or move the wheelchair/seat by any of its removable parts. Doing so could lead to personal injury and property damage, including damage to the seat and wheelchair.

Check that the wheelchair is properly secured and that the wheel locks are not disengaged. The wheelchair can be locked into position by running fastening straps through the brackets at the front and back. Also check that the fastening points on the transport vehicle are well-anchored.

A defectively fastened chair can cause serious injury to persons in the vehicle and serious damage to the vehicle.

Use Prohibited in Motor Vehicles

Currently, the Department of Transportation has not approved any tie-down or restraint system in a moving vehicle of any type to transport a person while seated in a wheelchair.

Permobil recommends that users NOT be transported in any kind of vehicle while in their wheelchair. The only safe alternative is that users be transferred into factory vehicle seating for transportation and use safety restraints made available by the auto industry. Permobil does not recommend any wheelchair transportation systems.

Never sit in your wheelchair while in a moving vehicle. In an accident or sudden stop you may be thrown from the chair and seriously injured or killed.

Permobil positioning belts are designed to position the user only and will not protect you in an accident. You may even receive further injury from the belts.

Safety Instructions



WARNING

Maintenance and Service

Carry out only the service and maintenance which are stated in the this Owner's Manual. All other service and maintenance must be performed by a qualified service technician authorized by Permobil to perform such service on Permobil products

During all work on the electrical system of the wheelchair, the connection to the negative pole of the battery must always be removed. To avoid the risk of electric shock, use extreme caution when using metal objects while working on the batteries. Short-circuiting can easily cause an explosion. Never perform service on the wheelchair without using protective gloves and goggles. Failure to do so can lead to personal injury.

Do not use parts or accessories not authorized by Permobil. Use of unapproved "aftermarket" accessories and parts may cause changes in the wheelchair, which may make the wheelchair unstable or uncontrollable. Such use may also void the warranty on the wheelchair.

Connecting any unapproved electrical or electronic devices to the wheelchair's electrical system can cause damage to the chair and caused the chair to become uncontrollable or drive erratically. Such use may also void the warranty.

The wheelchair and seat is heavy and contains many moving parts, which means that the risk of being caught between them is always present.

Safety Instructions



WARNING

Storage

The wheelchair and its accessories must always be shut off when they are not being used. Always store the wheelchair so that access for unauthorized individuals is avoided.

Never store the wheelchair in a room in which condensation can arise (mist or dampness on the surfaces) e.g. in pool areas, laundry rooms, or similar rooms.

If you are unsure as to how your wheelchair and its accessories should be properly stored, contact your supplier or Permobil for more information.

Damages/malfunctions on the wheelchair and its accessories

If you experience that the seat or wheelchair in any manner is not behaving as expected or if you suspect that something is wrong: Stop driving as soon as possible, shut off the wheelchair and contact your service contact or Permobil for more information.

It's also of greatest importance that Permobil be informed if the wheelchair and its accessories have been subjected to transport damages, damages during driving or damages due to another cause as soon as possible after the event. There exists a risk that the wheelchair and its accessories can no longer be used in a safe and secure manner.

Design and function

General

The Corpus II is an ergonomically designed seat allowing numerous adjustments. It is designed for users up to a maximum of 265-300 Lbs (see page 39 for further information). The seating system allows for easy adjustments of both electrically and manually functions.

General View, Corpus II Seat with Electric Adjustments Control and Pilot+ Control Panel.



1. Headrest (option)

3. Control Panel

5. Footplate

7. Armrest

2. Backrest

4. Legrest

6. Electric Actuator, back

Seat functions

General

Electric Seat Functions (may vary depending on how your seat is equipped)

The electric seat functions are operated by the electric actuator, with infinitely variable regulation from the wheelchair's control panel or, if equipped, from the seat control panel, normally placed next to the control panel.

Functions

- Seat Lift
- Legrest
- Seat Tilt
- Backrest Recline

Manual Seat Functions (may vary depending on how your seat is equipped)

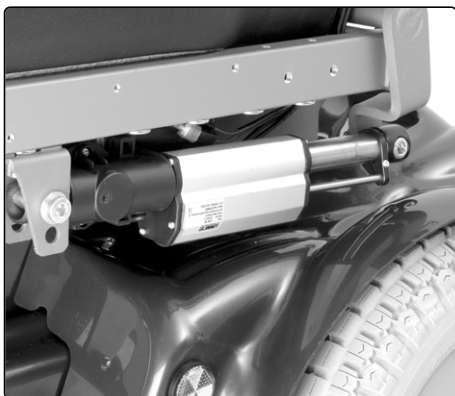
The manual seat adjustments are carried out by adjusting the manual clamp tube with instant locks in a number of fixed positions.

Functions

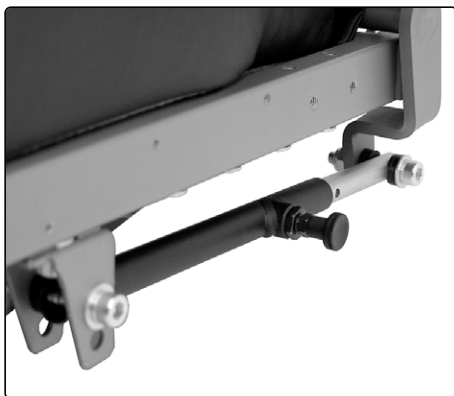
- Legrest Angle
- Backrest Recline

Other Adjustment Options

The control panel, armrests, footplates and various other accessories such as calfrest, thigh supports, body supports, headrest and others can be manually adjusted and regulated.



*Electric Actuator
for the Backrest Recline*



*Manual Clamp Tube
for the Backrest Recline*

Electrical Seat Functions

Power Adjustable Seat Lift

An electrically controlled seat elevator, makes it possible to raise the seat in order to conveniently be able to adjust the height for tables, workbenches, etc.

When the seat lift is raised from its lowest position, the wheelchair can only be driven with reduced speed.



Electric Seat Lift

Electric Seat Tilt

The electrically controlled seat tilt makes it possible to set the suitable seat angle.



Electric Seat Tilt



WARNING

When the seat lift is raised, the center of gravity is also raised, increasing the likelihood of tipping over, so only use the seat lift on a level floor.

Always drive in the lowest speed and never tip the seat tilt or the back tilt so far that the wheelchair cannot be maneuvered safely if it runs over a slope, uneven ground or over obstacles.

Electrical Seat Functions

Electric Backrest

The electrically controlled backrest enables you to tilt the backrest backward/forward.



Electric Backrest

Electric Legrest

The electrically controlled legrest enables adjusting forward/backward.



Electric Legrest



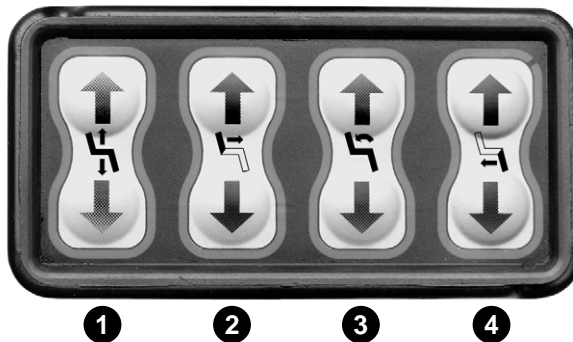
WARNING

There is a risk of pinching accidents when using the electrical functions of the seat.

Seat Control Panel (Control Panel Pilot+ only)

With the control panel, the wheelchair's electrical seat functions are controlled.

NOTE! The number of available functions and their position on the panel, can vary depending on how your wheelchair is equipped.



1. Seat Lift

The seat is raised when the top part of the seat lift button is pressed, and lowered when the bottom part of the button is pressed.

2. Backrest Recline

The backrest is tilted backward when the bottom part of the backrest angle button is pressed and forward when the top part of the button is pressed.

3. Seat Tilt

The seat is angled backward when the bottom part of the seat tilt angle button is pressed, and move forward when the top part of the button is pressed.

4. Legrest

The legrest moves forward when the top part of the legrest button is pressed, and backward when the bottom part of the button is pressed.

Leverman (Joystick Manager)

It is also possible to control the electric seat functions by means of the wheelchair control panel using the electronically controlled Leverman function. See also the user manual for the wheelchair.

Legrest

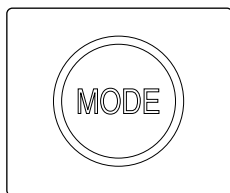
Press MODE button twice. The right footplate indicator lamp is lit. Move the joystick forward/backward to move the legrest out or in.

- Make your adjustment and return to drive by pressing the MODE button once or go on to next step by moving the joystick to the right.

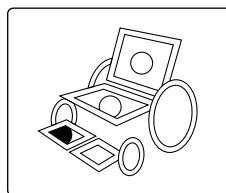
Seat Lift/Seat Tilt/Backrest

Press MODE button twice. The right footplate indicator lamp is lit. By moving the joystick to the right or left you can now select desired seat function and make your adjustments by moving the joystick forward/backward.

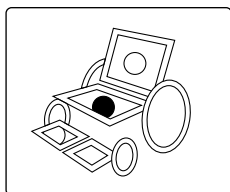
- Return to drive by pressing the MODE button once.



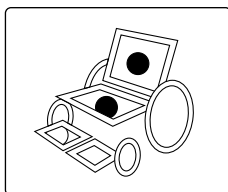
MODE Button



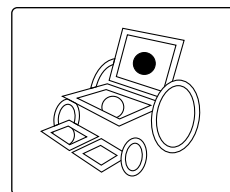
Legrest Active



Seat Lift Active



Seat Tilt Active



Backrest Recline Active

Manual Seat Functions

Legrest Angle

The angle of the legrests can be regulated by means of an adjustable clamp tube with instant locks in a number of fixed positions.

1. Pull out the spring-loaded handle of the instant lock so that the clamp tube runs freely and it is possible to adjust the angle of the legrest.
2. Set the legrest at the desired angle and then lock it in position by releasing the handle and allowing it to engage in the selected hole in the clamp tube.
3. Check after adjusting the legrest that it is locked in position.



WARNING

Do not put weight on the legrest while adjusting the angle. There is a risk of pinching accidents.

Backrest Recline

The tilt angle of the backrest can be regulated by an adjustable clamp tube with instant locks in a number of fixed positions. From an upright position the backrest can be tilted to a maximum angle of 45° backwards.

1. Pull out the spring-loaded handle of the instant lock so that the clamp tube runs freely and it is possible to adjust the angle of the backrest.
2. Set the backrest at the desired angle and then lock it in position by releasing the handle and allowing it to engage in the selected hole in the clamp tube.
3. Check after adjusting the backrest that it is locked in position.



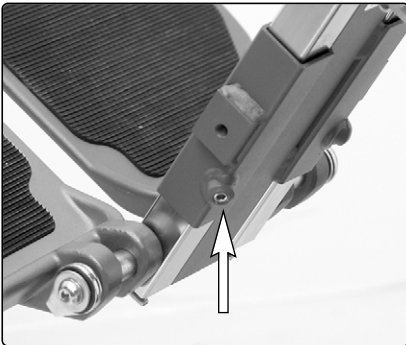
WARNING

Do not put weight on the backrest while adjusting the angle. There is a risk of pinching accidents.

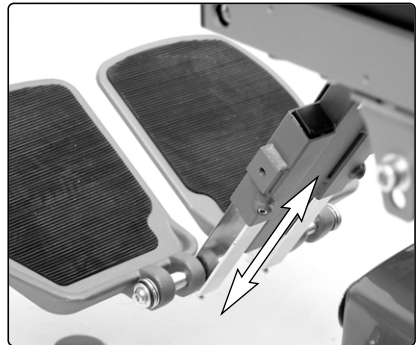
Legrest Length

The length of the legrest is adjustable. Loosen the locking screw for the legrest to be adjusted.

1. Loosen the locking screw for the legrest to be adjusted.
2. Adjust the legrest to the desired length and tighten the locking screw.
3. Check after adjusting the legrest that it is securely locked.



*Locking screw for
legrest length*



Length adjustment



WARNING

Do not put weight on the legrest while adjusting its length.

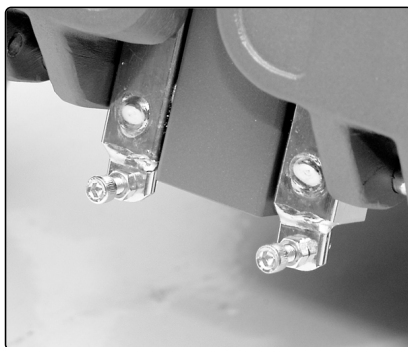
Footplate Angle

The footplate angle can be regulated by the stop screws placed under each footplate.

1. Tip the footplates upwards.
2. Adjust the angle by screwing the stopscrew in or out.
3. Lock the stopscrews with the locking nut.



Footplates tipped up



Stopscrews

Armrests

The height and angle of both armrest can be adjusted to give optimum sitting comfort.

1. Loosen both locking nuts on the inner side of the armrest bracket.
2. Regulate the height and angle as desired and tighten the nuts.
3. Check after adjusting the armrest that it is locked in position.



Height Adjustment



Angle Adjustment



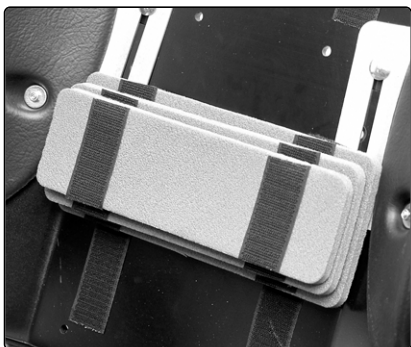
WARNING

Do not put weight on the armrests while adjusting them. There is a risk of pinching accidents.

Lumbar Support

The lumbar support consists of three curved cushions with velcro fastenings that can be separated, depending on how much support is required for the lumbar region.

1. Remove the back cushion.
2. Adjust the lumbar support as required.
3. Replace the back cushion.



Lumbar Support

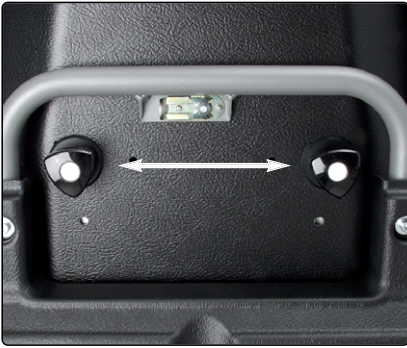


Height Adjustment

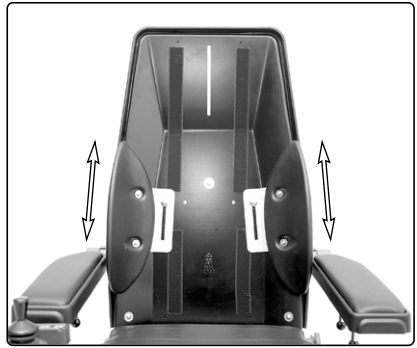
Lateral Support

Height Adjustment

1. Remove the back cushion.
2. Loosen the knob that holds the lateral support on to the back of the backrest.
3. Adjust the height of the lateral support to the desired level.
4. Tighten the knob.
5. Replace the back cushion.



Lateral Support Locking Knob



Height Adjustment

Headrest (Option)

The height and angle of the headrest can be adjusted to give optimum sitting comfort.

Height Adjustment

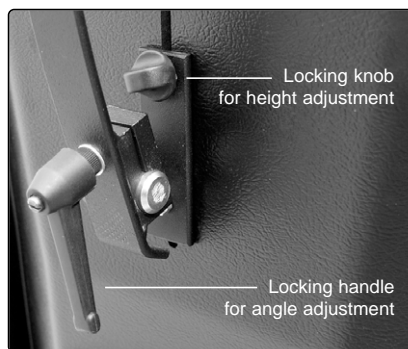
1. Loosen the knob.
2. Set the headrest at the desired height.
3. Tighten the knob.

Backward or Forward Adjustment

1. Release the locking handle.
2. Adjust the angle.
3. Tighten the locking handle.



Headrest with Bracket



Headrest Adjustments

**WARNING**

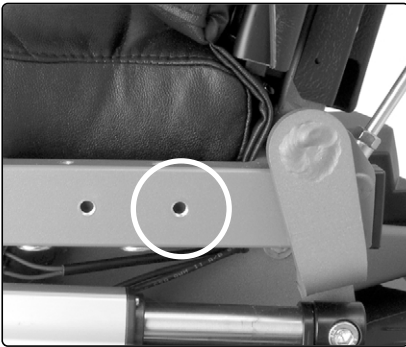
Do not put weight on the headrest while adjusting it.

Positioning Belt (Option)

Fitting the Positioning Belt

There are two screw holes on each side of the seat frame for fitting a positioning belt. The belt should be fitted in the hole nearest to where the backrest is attached.

1. Screw the belt in position with the snap lock on the side that suits the user best, and the other part with the buckle on the opposite side.
2. Check after fitting the belt that the buckle fits properly into the snap lock.



Screw Holes for the Belt



Fitted Belt



Snap Lock for the Belt



WARNING

Permobil positioning belts are designed to position the user only and will not protect you in an accident. You may even receive further injury from the belts. Also check regularly that the belt is in good condition, and that it is not worn or damaged.

Control Panel, Swivelling Mounts

The position of the control panel can be adjusted lengthways into the optimum running position. It is also possible to turn the panel sideways to facilitate getting in and out of the wheelchair.

Length Adjustment

1. Loosen the screw on the panel mount and adjust the position of the panel as required.
2. Tighten the screw.

Angle Adjustment by means of the Friction Joint (Pilot+ Control Panel only)

By means of the friction joint it is possible to adjust how easily or how stiffly the panel turns out sideways.



Length Adjustment Screw



Friction Joint Handle



Control Panel, parallel gliding panel mounts (Pilot+ Control Panel only)

The position of the control panel can be adjusted lengthways or up and down into the optimum running position. It is also possible to turn the panel sideways to facilitate getting in and out of the wheelchair.

Length Adjustment (as for the swivelling panel mount)

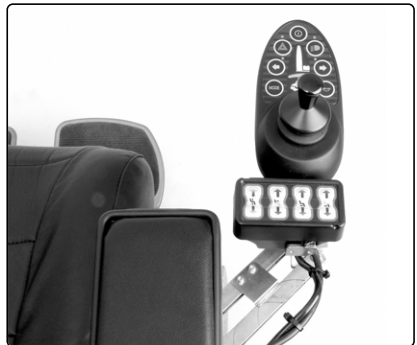
1. Loosen the screw on the panel mount and adjust the panel to the required position.
2. Tighten the screw.

Height Adjustment

1. Loosen the screw on the panel mount and adjust the panel to the required position.
2. Tighten the screw.



Height Adjustment Screw



*The Control Panel
swivelled sideways*

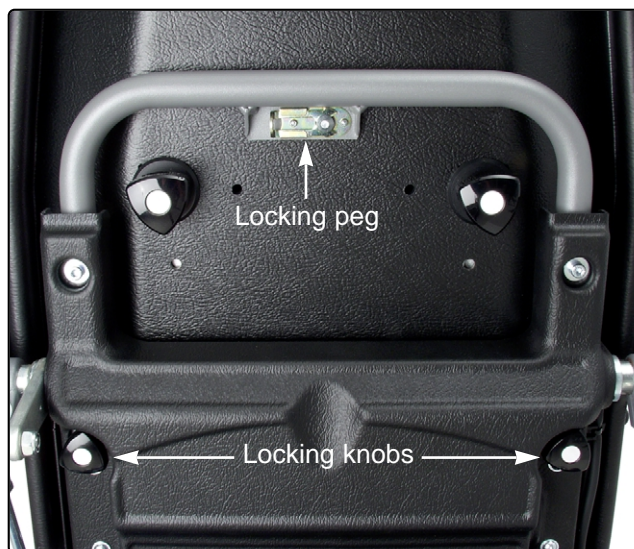
Transport

In order to make transporting the wheelchair or seat easier, the backrest can be removed in a few simple steps.

Corpus Seat, Standard (Fixed Back or Manual Recline)

1. Remove the back cushion.
2. Loosen the locking peg and the locking knobs on the back of the backrest.
3. Push the upper part of the back support slightly forward to release it from the locking peg and lift the backrest upwards to remove it.

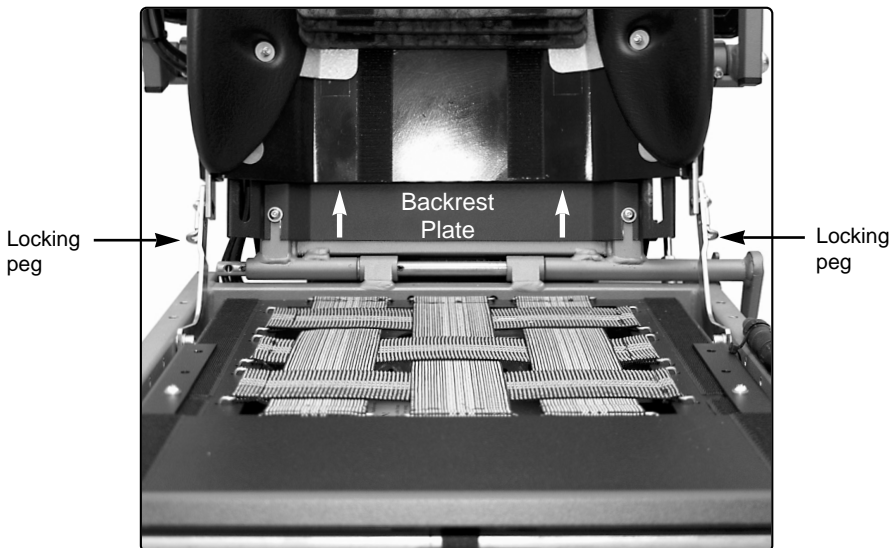
If necessary, the headrest can also be detached, by loosening the locking handle and drawing the headrest to the right. See also page 27.



Release the Locking Peg and Knobs

Corpus Seat with Sliding Back

1. Remove the back cushion.
2. Loosen the upper locking peg and the locking knob on the back of the backrest.
3. Push the top of the backrest slightly forward to release it from the upper locking peg.
4. Release the backrest from both lower locking pegs.
5. Push the backrest plate straight up and then lift the backrest off.



Lower Locking Pegs and Backrest Plate

Finishes Care and Maintenance

With regular care and maintenance, your Permobil will provide years of superior performance and satisfaction. To maintain the finish quality of your wheelchair, please follow the cleaning procedures provided below.

The instructions for the care and maintenance of Permobil products are provided to you as a service. No warranty is implied since results may vary.

Vinyl Upholstery

For normal cleaning, wash vinyl upholstery with a soft cloth or soft-bristled brush lathered with mild, nonabrasive soap and lukewarm water. Before the surface dries, wipe with a clean, dry cloth to remove any residue. This procedure may be repeated to remove stubborn dirt or stains. Ink spots can sometimes be removed by washing with soap and water followed by isopropyl alcohol.

Do not use any cleaning method that is not listed above, as other methods may attack the vinyl and cause eventual degradation.

Coated Metal

For normal cleaning, wash coated metal surfaces with a soft cloth soaked in detergent and warm water; rinse thoroughly and dry.

Remove scuff marks from low-gloss coatings with pre-softened paste wax, following the manufacturer's instructions.

Remove scuff marks and scratches from high-gloss coatings using automotive polishing compounds, either liquid or paste. After polishing, apply a pre-softened automotive paste wax to restore original sheen.

Plastic

For normal cleaning, wash plastic surfaces with a soft cloth soaked in mild detergent and warm water. Rinse thoroughly and dry with a soft cloth. Do not use solvents or abrasive kitchen cleaners.

Also see the washing instructions on the various cushions. If necessary, the covers can be taken off for cleaning.



WARNING

Do not rinse the seat off with a water hose, its electronics can be damaged. The wheelchair must always be shut off while it is being cleaned.

Accessories

We are constantly developing accessories for our seats and wheelchairs. Contact your nearest Permobil retailer for more information about the accessories available for your seat and wheelchair.

Data

The size and weight information given below apply to the standard model of an electrically or manually operated Corpus II seat (including the control panel).

General

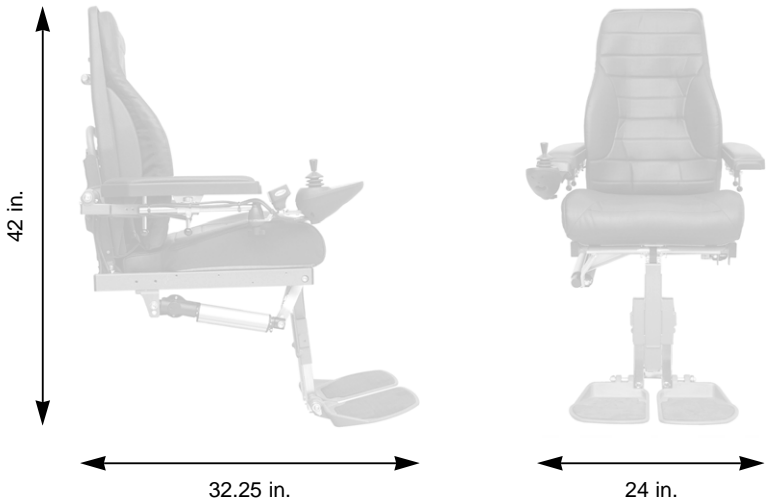
NameCorpus II

Size and weight

Length32.25 inches
Width24 inches
Height42 inches
Weightapprox. 77 lbs.

Max. Weight User

Permobil C300300 lbs.
Permobil C400300 lbs.
Permobil C500/C500s300 lbs.
Chairman 2k/2s265 lbs.
Chairman 2k/2s Lowrider265 lbs.
Chairman Entra265 lbs.



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