

USER MANUAL

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UK

VS

Seat system for Power Wheelchair



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Important information about user manual

Congratulations on your choice of Permobil product. We will do all in our power to ensure your continued satisfaction with our product.

Before you start using your seat and wheelchair, it is important to read and understand the contents of this user manual and especially the section on Safety. The user manual is primarily designed to inform you about the functions and capabilities of your seat and to advise you on the best way of using it. It also contains important safety and maintenance information and describes some of the problems which might arise in use.

Always keep the user manual on or near your wheelchair as you may need to consult its important information on use, safety and maintenance.

You can also find information on our products on our website. You will find us on www.permobil.se.

If your seat bears a sticker with the words “Customized product”, it has been adapted to your needs and requests. This means that design and functions may differ from the text of this user manual, or from the design and functions of other seats of the same type.

All information and all photographs, illustrations and specifications are based on the product information that was available at the time this user manual was printed. Photographs and illustrations that appear in the user manual are typical examples and not intended to be exact depictions of different parts of the seat.

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

Technical support

In the event of technical problems, you should contact Permobil.

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

Spare part & accessories

Spare parts and accessories must be ordered through Permobil.

Scrapping

Contact Permobil BV for information about scrapping agreements in force.

Warranty

All wheelchairs are supplied with a two-year product guarantee. Batteries and charger are supplied with one year warranty.

Incident reporting

If an incident occurs please contact your nearest Permobil representative. Normally the same person you contacted at purchase day. To prepare this contact there is a link on our homepage, on the internet, at www.permobil.com. Open up your country page and the contact page. Here is the needed contact information and a guidance document in what information we need to investigate the incident. Complete the information as much as possible. This is of great help for us.

To increase the product quality and to ensure that our product is safe through the whole life cycle we need you to send in Incident Reports. It is also stated in MEDDEV 2.12-1 and Annex 9 that the manufacturer shall *“Encourage users or those given specific responsibility for reporting incidents that have occurred with medical devices and that meet the criteria within these guidelines to report the incidents to the Manufacturer and or to the Competent Authority in accordance with national guidance”*.

To meet the requirements and to ensure that our products shall remain safe in your hands we need your assistance. We hope you never need to use the information on this page but if there is an incident please contact us.

Product approval

This product fulfill the requirements according to EN 1284 and ISO 7176.

Safety rules - General

The seat is heavy and contains many moving parts and must therefore be handled with great care. Carefully read through and follow all instructions and warnings in this manual before using your seat/wheelchair. Faulty use could both injure the user and damage the seat.

The user manual contains the following “warning labels” which are intended to draw attention to situations which could lead to undesirable problems, near-accidents, personal injury or damage to the seat etc.



CAUTION

Take care here.



WARNING

Take extra care here.
Risk of personal injury and damage to the wheelchair and its surroundings.



CAUTION

Permobil accepts no liability for personal injury or damage to property which may arise from the failure of the user or other persons to follow the recommendations, warnings and instructions given in this user manual.

Safety rules - General

This seat may have been adjusted precisely to your needs on delivery, so you should always ask the advice of the person who ordered the seat on your behalf before making changes or adjustments to the seat. Certain adjustments may impair the seat's safety/functions or its suitability for your needs.

To minimize incorrect use of your seat, it is also extremely important to take the necessary time to familiarize yourself with the seat and its accessories, the various buttons and function or steering controls, and with the various adjustment options etc. before starting to use it.

Do not set out alone on your first test ride, but make sure you have assistance close by if you should need help.

To ensure that nothing has occurred to the seat during its transport to you, please check the following before first use:

- Check that all ordered products are included in the delivery. If you suspect anything is missing, contact your aids center or Permobil as soon as possible for information.
- Check that no transport damage or other damage has occurred to the seat and its accessories. If you discover any damage or if anything looks wrong in some way, contact your handicap aids center or Permobil as soon as possible for information before going on with your checks.

Safety rules



WARNING

Before taking the seat into use for the first time and after adjustments or other changes to the seat have been made, the following safety checks must always be carried out.

- Check that all supports, for example the chest roller and knee stop, are mounted before starting to use the chair.
- Check that all tapes on the seat are intact and correctly mounted.



WARNING

After adjustment and other actions the following safety checks must be carried out.

1. Check that the bolts on all actuators and articulated rod heads, see photo, have been properly tightened.
2. Check that the stop chain is fitted to the leg rest, see photo. The screws holding the chain must be screwed tight.
3. Check that the locking screws (1) for height adjustment on the foot plate are tightened, see Fig. 3. Check that the two locking nuts (2) for angle adjustment on the rear of the foot plate are tightened, see Fig. 3.
4. Check that the screws (4 pcs.) for the arm rest stop are properly tightened on both sides of the seat.

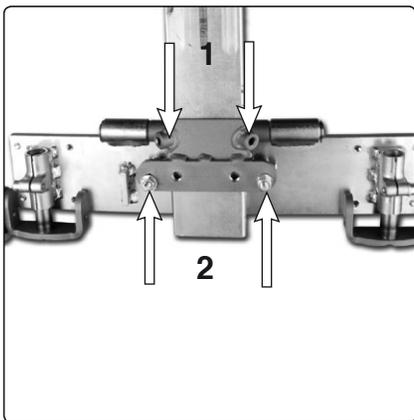
Safety rules



Articulated rod head.



Leg rest stop chain.



Leg rest with foot plate seen from behind.



Arm rest stop.

Safety rules



WARNING

Risk of crushing

Note that the seat is heavy and contains many moving parts, which means there will always be some risk of crushing.

Use the seat's electric seat functions with the greatest care. Above all: when you have moved up to or under a table or other fixed or moveable object, always make sure there are no items in the immediate vicinity which could interfere with the seat's moving parts.

Operation of seat lift

Make sure that nothing can get in between the chassis and the seat when the seat lift is being used. Using the seat lift alters the center of gravity, which always means an increased tipping risk. Always travel at low speeds and only use this seat function on a level surface and not on slopes, ramps, hills or other gradients.

Center of gravity

Note that the following factors may affect the center of gravity of the seat/wheelchair and thus the tipping risk:

- Raising the seat lift
- Height and angle of seat
- Position or weight distribution of the body
- Travel on sloping surfaces, e.g. ramp or hill
- When wearing a rucksack or other items, depending on the extra weight.

Elevation to standing position

Elevation to standing position and operation in standing position must only be done on a flat surface. When the chair is in elevated position, never reach out from the chair, due the higher tipping risk.

If your wheelchair starts to move in an unexpected way, immediately let go of the joystick to stop the wheelchair. Except in an emergency, never use the off/on button to stop the wheelchair. This could lead to the wheelchair stopping quickly and violently and could lead to personal injury.

Safety rules



WARNING

Fixing belt

Permobil's fixing belt is only designed to hold the user in place and not as a protection in the case of collision/accident. Check the condition of the belts regularly in case any damage or worn places have developed.

Getting in and out of the chair

Make sure the power is OFF before getting in or out of the wheelchair and before lifting the arm rest over the control panel. When getting in and out of the wheelchair, you should take all safety precautions and minimise as much as possible the gap between the wheelchair and the place to which the user wishes to move. If this distance is made wider, it could mean the user loses balance and falls over.

Permobil recommends that users get in and out with another person present to keep an eye on the operation or to help.

Be careful when bending down or reaching out to get something.

Never use the steering lever as a gripping point or support point.

Do not use the foot plates or arm rests as supports when getting in and out of the wheelchair. The foot plates and arm rests are not intended for bearing heavy loads. Unnecessarily high stresses could cause them to give way, which could result in personal injury or damage to property, including to the wheelchair.

Safety rules



WARNING

Passengers

The seat is not designed for transporting passengers, whatever their age. Nor is it designed for taking heavy items other than the user's personal belongings. The indicated maximum user weight given in this manual must not be exceeded. Ignoring this could impair the wheelchair's maneuverability and stability.

Use in different climates

Permobil's seats are designed to tolerate most weather conditions, but you should avoid exposing the seat to severe cold, persistent dampness, heavy rain/snowfall and similar situations. If the seat is exposed to any of these, do not use it again before it has completely dried out.

Remember also that certain surfaces on the seat may heat up or cool down under lengthy exposure to strong sunshine or cold etc.

If any of the seat enclosures or the control panel case show signs of cracking etc., they should be replaced so no moisture can penetrate and damage the electronics.

Safety rules

WARNING

Transport

The wheelchair must only be transported in vehicles approved for this purpose. Always ask for confirmation of the transporter that the vehicle is suitable designed, insured and equipped to transport a person in a wheelchair. A wheelchair is not designed as a car seat and cannot offer the same degree of safety that is offered by standard car seats, no matter how securely it has been fastened in the vehicle concerned.

Carefully check that the wheelchair is properly fixed and that the break release has not been activated (the wheelchair drive wheels must be locked). The wheelchair can be locked in position with loading straps from the transport eyes at the front and rear, marked with yellow stickers, or by using a Permlock locking system.

If the wheelchair needs to be transported with the user seated in it, be sure to use an approved attachment system suitable for the total weight of the wheelchair to secure the wheelchair.

- The wheelchair can be fastened by securing it to the tie-down points on the wheelchair's chassis or in the Permlock locking system. The wheelchair must not be secured onto any accessories.
- Permobil recommends that the wheelchair be equipped with a headrest and that this is used during transportation.
- During transportation, it is essential that you are secured with a three-point safety belt that is attached to the floor and a side of the vehicle.
- A lap strap attached to the wheelchair only serves to keep the person in an upright position and cannot be considered on par with a car safety belt.

Safety rules



WARNING

Maintenance and service

Carry out only the service and maintenance activities noted in this user manual. All other servicing, alterations and changes to the seat and its accessories must be carried out by a competent servicing engineer or person with sufficient knowledge to give a competent result. In case of doubt always contact a competent servicing engineer or Permobil.

The power supply must always be interrupted for all work or servicing on the seat's electrical system. Read more on how you can do this in your wheelchair user instructions (chassis manual).

Use only spare parts or accessories approved or recommended by Permobil. All other use could lead to changes which might impair the function and safety of the seat. It could also lead to the guarantee on your seat becoming invalid.

Note that the seat is heavy and contains many moving parts, which means there will always be some risk of crushing.

Safety rules



WARNING

Storage

Never store the seat and its accessories in areas subject to condensation (vapor or moisture on surfaces), e.g. utility rooms or similar.

If you are unsure how best to store the wheelchair, contact your supplier or Permobil for information.

Damage/breakdowns to the seat and its accessories

If you start noticing that the seat and its various functions are not behaving as expected, or if you suspect anything is wrong, stop your test drive as soon as possible, turn off the wheelchair and contact your aid center or Permobil for information.

It is most important that Permobil is informed that the chair and its accessories have been damaged during transport, during driving or for some other reason as soon as possible after the damage has occurred. There could be a risk that the seat and its accessories can no longer be operated safely and without danger.

General introduction

The VS seat is designed to give wheelchair users extra freedom of movement, but it can also be used as a rehabilitation aid. The seat is controlled from the control panels for the wheelchair and seat. If the seat has the standing operation function, the chair may be operated at reduced speed with the seat in the standing position.



WARNING

Elevation to standing position must only be done on flat surfaces. When the chair is in elevated position, never reach out from the chair, due the higher tipping risk.



WARNING

Travel in standing position must only be done on flat surfaces.

Design and function

General

The seat consists of a seat frame with seat and back rest, arm rest and leg rest. To facilitate use of the elevation function it is also fitted with knee, calf and chest supports.

The photo shows the seat detached from the chassis.



- | | |
|--------------------------|------------------|
| 1. Head Rest (accessory) | 5. Knee support |
| 2. Control panel | 6. Foot plate |
| 3. Trunk support | 7. Back cushion |
| 4. Seat cushion | 8. Chest support |
| | 9. Arm rest |

Design and function

Control panel

The seat's electrical functions are controlled from the control panel. The control system may be in the form of conventional push buttons or may have toggle switches for those users who find these easier to maneuver. The toggle switch is moved forward to operate the front button and back to operate the rear button. The functions of the control panel are here described when fitted with conventional push buttons, but the functions are the same whatever the design of the control system.

Each control switch can have two functions, and the symbol for the active function will light up. Functions are changed using the **shift** function, see adjoining page.

 **CAUTION**

The number of available functions will vary depending on how your wheelchair and seat are equipped.



Seat control panel.

Design and function

The symbols on the control panel indicate what seat functions are available, what seat functions are restricted and what seat functions will cause speed reduction or stop motion completely. The symbols may be unlit, show a continuous light or flash.

Unlit symbol

The symbol for the function is unlit. This means that the function is not currently available. Use the “shift” button to switch between left and right seat function on the control switch.

Illuminated symbol

A constantly illuminated symbol gives information relating to operating speed. A constant *green* light means that the wheelchair can be operated at maximum speed.

A constant *yellow* light means that the maximum speed for the wheelchair is restricted due to the current position of the seat function.

A constant *red* light means that the wheelchair cannot be used for travel, due to the current position of the seat function.

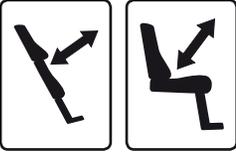
Flashing symbol

A flashing symbol gives information relating to the actuators. A flashing green symbol means a special function, e.g. the memory function.

A flashing yellow symbol means that the function is barred in one direction due to a safety switch. The control switch for the current function will only work in the “safe” direction.

A flashing red symbol means that a fault in the current actuator has been detected. This may mean that the seat function will not work. Contact service.

Design and function



Standing

The seat rises to standing position when the toggle switch is moved forward and lowers to sitting when the switch is moved back.

The standing function can be configured to suit each user by pre-programming one of the three possible standing sequences. The symbol on the left shows the standing sequence which starts by straightening the user's hips and legs before raising them to a standing position. This sequence minimises pressure on the user's knees.

The symbol on the right shows the standing sequence which raises the user directly from a sitting position.



Seat lift

The seat rises when the toggle switch is moved forward and lowers when the switch is moved back.



Back rest angle

The back rest will slope back when the toggle switch is moved backwards and forwards when it is moved forwards.

Design and function



Leg rest angle

The leg rest moves out when the toggle switch is moved forwards and in when the toggle switch is moved back.



Seat angle

The seat will slope back when the toggle switch is moved backwards and forwards when it is moved forwards.



Shift

Change the control button function by moving the **shift** function toggle switch forwards. Change back by moving the **shift** function toggle switch forwards again. The symbols for the active functions will light up.



Memory function

The control panel has an integral memory with three memory positions. Each memory position can store all the seat's electrical settings.

Operation

General

The seat functions are controlled from the seat's control panel. The control panel's appearance varies according to the functions with which the chair is equipped. See two examples below: A standard panel and a panel for a seat equipped with **shift** and **memory** functions.

The shift toggle is used when a toggle switch has two function capability. The active function is changed by pressing the shift toggle first. The memory function can save up to three favourite seating positions which can easily be retrieved regardless of the seats current position.

The main switch on the wheelchair must be turned on before the seat's control panel will work. For information on the wheelchair control panel, see the Chassis User Manual.



Control panel "standard".



Exemple on Control panel with shift- and memoryfunction.

Operation

Shift

Change the control button function by moving the **shift** function toggle switch forwards. Change back by moving the **shift** function toggle switch forwards again. The symbols for the active functions will light up.



Shift function.

Standing

The seat rises to standing position when the toggle switch is moved forward and lowers to sitting when the switch is moved back.

The standing function can be configured to suit each user by pre-programming one of the three possible standing sequences. The picture sequence below shows the standing sequence which starts by straightening the user's hips and legs before raising them to a standing position. This sequence minimises pressure on the user's knees.



Standing function.

The **standard** control panel does not feature a toggle switch for the standing function. On such models standing is activated by the Leverman function in the joystick panel. Please see the section on Leverman in the relevant chassis' owner's manual.



Movement of seat to/from standing position with a standing sequence that minimises pressure on the user's knees.

Seat lift

This function adjusts the seat height. Moving the toggle switch forward raises the seat. Moving the toggle switch backwards lowers the seat again.



Seat lift.



Movement of seat during adjustment of seat height.

Back rest angle

This function adjusts the back rest angle. Moving the toggle switch backwards makes the back rest slope backwards, and moving the toggle switch forwards makes the back rest move forwards.

Certain seats may have a more limited back rest angle due to high user weight.



Back rest angle.



Movement of seat during adjustment of back rest angle.

Leg rest angle

This function adjusts the leg rest angle. Moving the toggle switch forwards angles the leg rests forward. Moving the toggle switch backwards angles the leg rests backwards.



Leg rest angle.



Movement of leg rests during adjustment of leg rest angle.

Seat angle (option)

This function adjusts the seat angle. For this function to work the seat must be in sitting or recumbent position. Moving the toggle switch backwards angles the seat backwards. Moving the toggle switch forward angles the seat forwards again.



Seat angle.



Movement of seat during adjustment of seat angle.

Memory function

The control panel has an integral memory with three memory positions. Each memory position can store all the seat's electrical settings.

Storing memory

Before storing a seating position in memory, position the seating system in the position that is desired to be stored.

- Enter the memory mode by pressing and holding the memory button (8) for two seconds, see illustration below. While in the memory mode, the LED flashes green.
- Activate the memory storage function by holding down button 4 for two seconds. The symbol above will light up green, which means that the function has been activated.
- Press and hold the desired "store" button (5, 6 or 7) for three seconds to memorize the current seat position in a memory location, see illustration below. The LED above the memory position will light red and the control panel will emit a tone when the memory has been successfully stored.
- Return to standard seat function operating mode by pressing the memory button (8), see illustration below.

Recalling memory

- Enter the memory mode by pressing and holding the memory button (8) for two seconds, see illustration. While in the memory mode, the LED flashes green.
- Press and hold the desired "recall" button (1, 2 or 3) to move the seating system to the desired memory position, see illustration. Releasing the "Recall" button stops actuator movement, as a safety feature.
- Actuator movement stops, the LED above the memory position lights green and the control panel emits a tone, when the "stored" position is reached.
- Return to standard seat function operating mode by pressing the memory button (8), see illustration.



Control panel memory function

Settings and adjustment

Arm rest

1. Unscrew the two nuts on the inside of the arm rest, see photo.
2. Adjust the arm rest for height and angle.
3. Tighten the two nuts.

Chest support - Depth adjustment

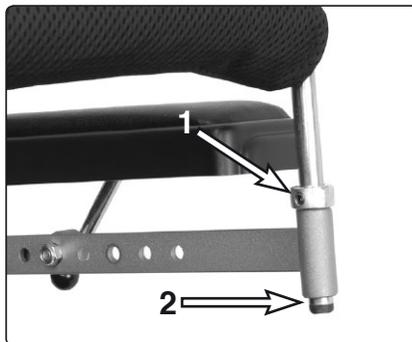
1. Unscrew the two nuts on the inside of the arm rest, see photo.
2. Move the fixing on the chest support until it reaches a suitable depth. The depth can be adjusted at intervals of 25 mm.
3. Screw the fixing in position with the two nuts.



Arm and chest support.

Chest support - Height adjustment

1. Release the Allen screws (1) on the locking ring on either side of the chest support, see photo.
2. Adjust the chest support to a suitable height, but never so high that the fixing is not visible at the lower edge of the sleeve (2), see photo.
3. Tighten the Allen screws on the locking ring.



Chest support.



WARNING

Never adjust the height so far that the fixing is not visible at the lower edge of the sleeve.

Settings and adjustment

Head Rest (accessory)

Adjustment of height

1. Release the knob (1) on the rear of the back rest, see photo.
2. Adjust head rest height as required.
3. Tighten the knob (1).

Adjustment forwards/backwards

1. Release the knob (2) on the rear of the back rest, see photo.
2. Adjust the head rest forward/backwards as required.
3. Tighten the knob (2).

Head rest (accessory)

This head rest has extended adjustment capability to give the user the best comfort. The head rest is easy to remove/remount while preserving the same settings.

Removal

1. Release the knob (3) on the rear of the back rest, see photo.
2. Detach the head rest by lifting it straight up.

Mounting

Mount in reverse order.

Adjustment of height/depth

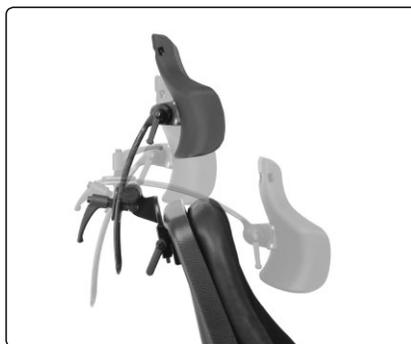
1. Release the knob (1) on the rear of the back rest, see photo.
2. Adjust head rest height/depth as required.
3. Tighten the knob (1).

Adjustment of angle

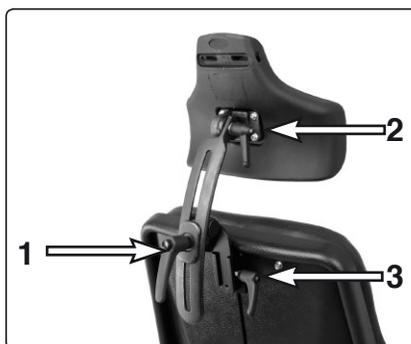
1. Release the knob (2) on the rear of the head rest, see photo.
2. Adjust head rest angle as required.
3. Tighten the knob (2).



Head rest adjustment.



Head rest with wide adjustment capability.



Head rest adjustment.

Settings and adjustment

Trunk support (accessory)

Height adjustment

1. Release the knob on the rear of the back rest, see photo.
2. Adjust the trunk support to the desired height.
3. Retighten the knob.



Adjusting the trunk support.

Lumbar support

Height/depth adjustment

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



Adjusting the trunk support.

Settings and adjustment

Foot plate - Angle adjustment

The foot plate angle can be adjusted by screwing the nuts (2) on the foot plate adjustment screws in or out, see photo on right.

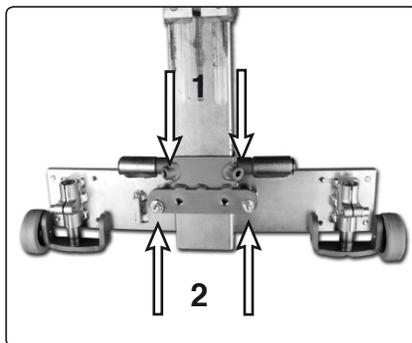
Foot plate - Height adjustment.

1. Release the two locking screws (1) on the foot plate, see photo.
2. Adjust the foot plate to the desired height.
3. Retighten the screws.
4. Where necessary, on seats without standing operation function, adjust the height of support wheels so the leg rest does not hit the ground during elevation.

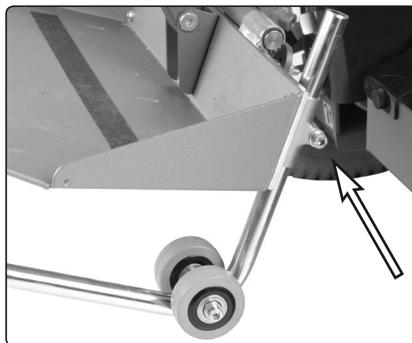
Reversing the foot plate fixing.

If further adjustment of foot plate height is necessary, it is possible to reverse the fixing, which will enable the foot plate to be set higher up.

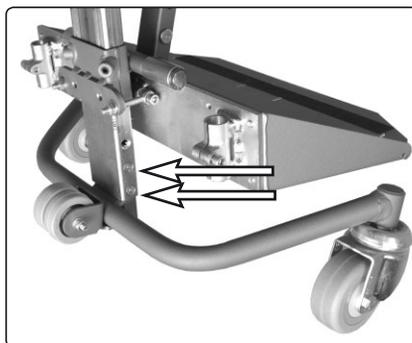
1. Unscrew the support wheels; on seats with standing operation they are mounted with two screws on either side of the leg rest, while on seats without standing operation they are mounted on the rear edge of the foot plate, see photo.



Leg rest seen from behind.



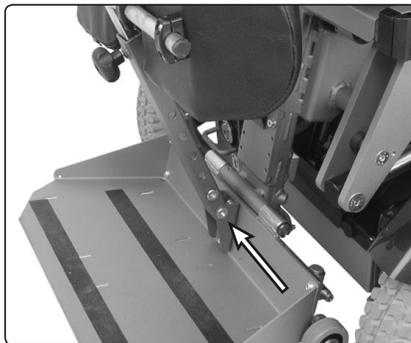
Support wheel fixing on seat without standing operation function.



Support wheel fixing on seat with standing operation function.

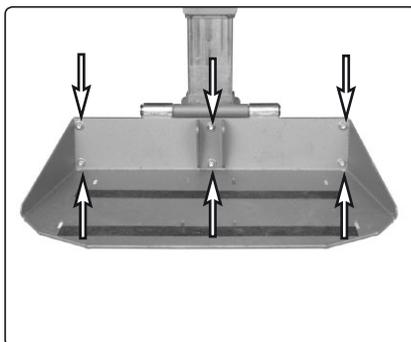
Settings and adjustment

2. Remove the knee support, mounted with one screw, see Fig. 11.



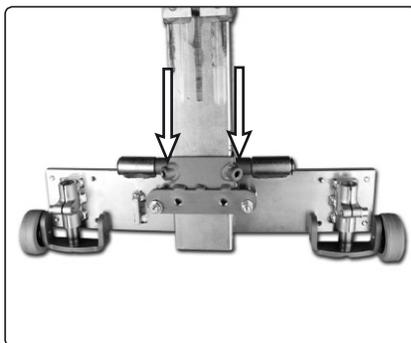
The knee support is mounted with one screw.

3. Unscrew the six screws that hold the foot plate in place, see photo.



The foot plate is mounted with six screws.

4. Release the two locking screws on the footplate, see photo at the top of the previous page.
5. Turn the fixing over and remount in reverse order.



Leg rest seen from behind.

Knee support - Adjustment of position

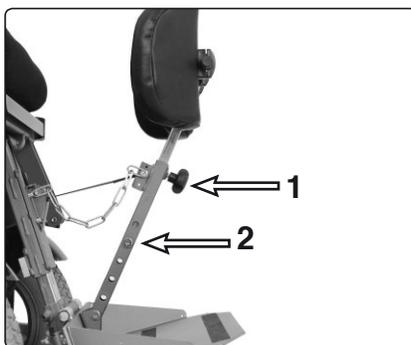
1. Adjust the knee support in sitting position to a location approx. 3-4 cm in front of the legs. Carry out adjustment with the knob on the rear edge of the seat frame, see photo. Rotate the knob clockwise to reduce the distance between the leg and the knee support and anticlockwise to increase the distance.



Adjusting the position of the knee support.

Knee support - Adjustment of height

1. Release the knee support's locking knob (1), see photo.
2. Move the continuous position screw (2) on the leg rest to a suitable position, see photo.
3. Ensure that the knee support is fully pushed in against the position screw, then tighten the knee support locking knob (1).



Knee support.

Angle gauge

When starting to use the VS seat, it may be difficult to rise up completely and require a deal of training to rise up to full height in the seat. The supplied angle gauge can be mounted on the seat frame to give an indication of the user's progress.

The angle gauge is self-adhesive on the rear and is mounted on the side of the seat frame, see photo. Its position can be varied depending on what accessories are mounted on the seat - fit it wherever there is space. Fit the angle gauge to show 0° in sitting position.



Mounting the angle gauge.

Seat belt (accessory)

Mounting of seat belt

There is an accessory rail on both sides of the seat frame for mounting such items as the seat belt. Mount the seat belt in the upper track of the rail.

1. Screw the belt in place, with the snap lock on the side which best suits the user and the other part with the buckle on the opposite side.
2. After mounting, check that the belt buckle locks properly in the snap lock.



Screw hole for belt



Mounted belt.



Snap lock, belt.



WARNING

Permobil's fixing belt is only designed to hold the user in place and not as a protection in the case of collision/accident. Check the condition of the belt regularly in case any damage or worn places have developed.

Control panel *(rotating panel holder)*

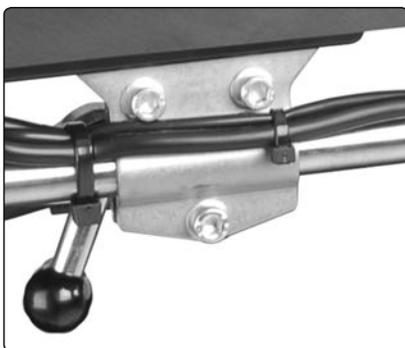
The location of the control panel can be adjusted lengthwise to find the optimum driving position. It is also possible to adjust the angle of the panel sideways, which facilitates getting in and out.

Length adjustment

1. Undo the screw on the underside of the armrest and adjust the panel to the required position.
2. Tighten the screw.

Adjustment of friction joint

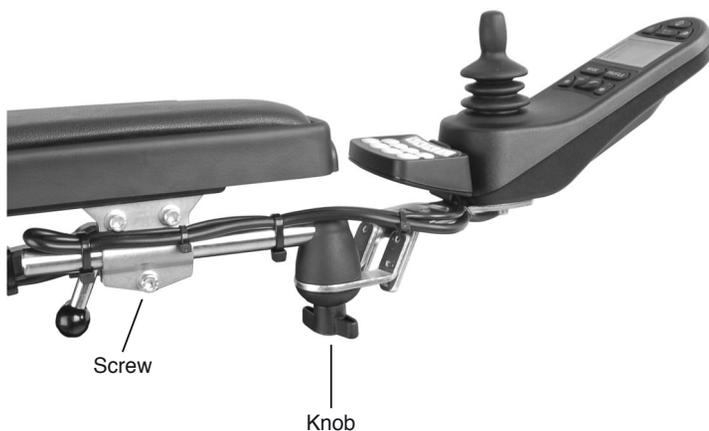
Using the knob on the friction joint, it is possible to adjust how easily or stiffly the panel can be angled laterally.



Length adjustment screw



Friction joint knob



Control panel with rotating panel holder

Control panel *(parallel panel holder)*

The location of the control panel can be adjusted lengthwise to find the optimum driving position. The panel can also be pushed out to the side, diagonally back, to facilitate getting in and out.

Length adjustment

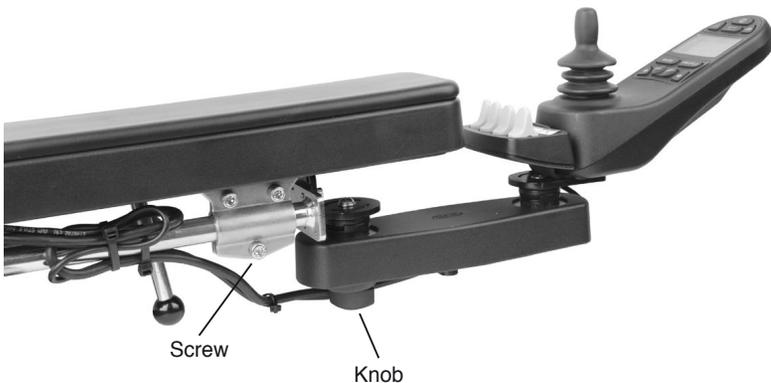
1. Undo the screw on the underside of the armrest and adjust the panel to the required position.
2. Tighten the screw.

Adjustment of friction joint

Using the knob on the friction joint, it is possible to adjust how easily or stiffly the panel can be pushed out to the side.



The panel can be pushed out to the side, diagonally back, to facilitate getting in and out.



Control panel with parallel panel holder

Care and maintenance

Regular care and maintenance will prevent unnecessary wear and damage to your seat. The following is general advice recommended by Permobil. For severe soiling of the upholstery or damage to surface finish, contact Permobil for information.

Upholstery, cloth/vinyl

For normal cleaning, wash the upholstery with lukewarm water and a mild non-abrasive soap. Use a soft cloth or brush. Before the surface dries, wipe off any water/soap residues with a clean, dry cloth. This procedure may be repeated to remove stubborn dirt or stains.

If necessary, the cover may be removed before cleaning. See also the washing instructions on the upholstery materials.

Metal surfaces

For normal cleaning proceed carefully with a soft cloth/sponge, hot water and a mild detergent. Wipe down carefully with a cloth and water, and dry off.

Remove skuff marks from semi-matte surfaces with soft wax (follow manufacturer's instructions).

Remove skuff marks and scratches from shiny surfaces using car polish, either liquid or in paste form. After polishing, apply soft car wax to restore the original surface gloss.

Plastics

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

Checking the seat belts

Check the condition of the belts regularly in case any damage or worn places have developed.



WARNING

Never hose the wheelchair down as the electronics may be damaged. The wheelchair must always be turned off when being cleaned.

Care and maintenance

Checks

At regular intervals check the following:

- that the locking nuts on the swivel heads are tight.
- that the actuators are in place in the actuator fixings.
- that the knee stop tape and the tape to the leg rest/foot plate are not worn and that the seams are intact.
- Check the condition of the belts regularly in case any damage or worn places have developed.
- that moving parts such as arm rest or parallel stay are in place and that all knobs are tightened, see safety rules, pages 10-11.
- that the green indicator lamp on the button box goes out when the seat is raised above or lowered below the correct height for elevation.



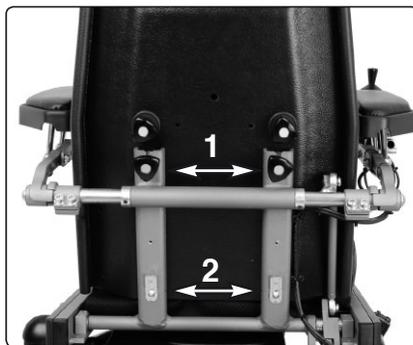
CAUTION

Always contact Service if defects are discovered on the seat, as the use of a defective seat could both injure the user and damage the seat.

Transport

To take up less space when transporting the seat, the back rest can be detached and laid on the seat.

1. Release the two knobs (1) on the rear of the back rest, see photo.
2. Open the two quick-acting locks (2)
3. Lay the back rest on the seat cushion.



Detaching the back rest.

Data

Chair dimensions

Junior

Senior

Seat height with electric seat lift.....	530-780 mm.	530-780 mm.
Seat width.....	430/480 mm.	430/480 mm.
Seat depth.....	410-500 mm.	450-600* mm.
Backrest hight.....	550/620 mm.	550/620 mm.
Armrest hight.....	165-285 mm.	165-285 mm.
Distance between armrests.....	350/400/450 mm.	350/400/450 mm.
Distance between seat cushion and footplate	280-340 mm.	480-550 mm.
Backrest angle.....	90°-180°	90°-180°
Leg rest angle.....	90°-180°	90°-180°
Användarens maxvikt	70 Kg	100/120** Kg

*450-550mm without seat extension.

** With seating limitations.

UK



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