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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. 201048-US-0.
<table>
<thead>
<tr>
<th><strong>TECHNICAL SUPPORT</strong></th>
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<tbody>
<tr>
<td>In the event of technical problems, you should contact your equipment provider or Permobil Inc USA at 1-800-736-0925. Always state the wheelchair chassis serial number when contacting Permobil to ensure that the correct information is provided.</td>
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<table>
<thead>
<tr>
<th><strong>SPARE PART &amp; ACCESSORIES</strong></th>
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<tr>
<td>Spare parts and accessories must be ordered through your dealer.</td>
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<tr>
<th><strong>SCRAPPING THE SEAT</strong></th>
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<tr>
<td>Contact Permobil Inc. for information about scrapping agreements in force.</td>
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<th><strong>WARRANTY</strong></th>
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<tr>
<td>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.</td>
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</tbody>
</table>
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

Positioning Belts
Always wear your positioning belt while in your wheelchair. If signs of damage or wear appear, replace the positioning belt immediately through your Permobil dealer.

Getting in and out of the chair
Make sure the power is turned OFF before getting into or out of the wheelchair and before raising the arm rest with the control panel.

When getting into or out of the wheelchair you should take all precautions to reduce the distance between the wheelchair and the point to which the user is moving. If this distance is increased, it could result in the user losing balance or falling 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 joystick as a handle or support.

Do not use the foot plates or arm rests as supports when getting into or out of the wheelchair. The foot plates and arm rests are not intended to support heavy loads. An unnecessarily high load could cause them to give way, which could result in personal injury or damage to property, including damage to the wheelchair.
Safety Instructions

PASSAGERS
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 not to protect you in the event of a motor vehicle accident. The positioning belts do not replace use of a vehicle mounted restraint.
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 battery poles must always be removed, see also the user manual for your wheelchair.

Do not use parts or accessories not authorized by Permobil. Use of un-approved "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.

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

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 local supplier 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 Miniflex is a flexible seat which is intended for users weighing up to a maximum 77 lbs. It can be adjusted in many ways and can rapidly be adapted to the requirements of a growing child.

The seat is constructed in modules. The seat frame constitutes the basic framework, which can then be supplemented with a selection of seats, back rests, arm rests, leg supports with various cushions. The modular system makes it easy to replace and reuse the various parts.

Figure 1. Miniflex seat on Permobil base

1. Seat
2. Back rest
3. Arm rest
4. Leg support
5. Foot plate
Seat
The cushions on the seat are covered with fabric or imitation leather. The seat is available in three different widths, 10, 12 and 14 inches.

Back rest
The angle of the back rest can be adjusted manually. The cushion on the back rest is covered with fabric or imitation leather. Three different heights of back rest plate are available, 14, 16 and 19 1/2 inches.

The back rest can be raised 2 inches by being mounted in the lower mounting hole.

Arm rests
The distance between the arm rests, the height of the arm rests and the angle of the arm rests can be adjusted. The arm rests can be folded up.

Figure 2. Alternative mounting of back rest
Leg support with foot plate
The leg support with foot plate is mounted on an adjustable limb under the seat plate. The height and angle of the foot plate can be adjusted.

The foot plate has a lock which prevents it tipping up unintentionally. If the lock is pulled up, the foot plate can be tipped up.

Figure 3. Foot plate lock
Accessories
The following accessories are available for the seat.

1. Belt
2. Arm rest
3. Back pack
4. Head rest
5. Trunk support
6. Table, mounted on arm rest
7. Thigh support
8. Knee stop
9. Foot plate foot straps
10. Chest support table
11. Table control
12. Center control on table, ordinary maneuvering panel in table, not shown in figure.

Figure 4. Seat with accessories
**Head rest**
The head rest consists of a bracket which is screwed in place on the back rest and a head rest which is inserted in the bracket. The height/depth of the neck rest can be adjusted as well as its angle to the back rest. The neck rest is stuffed with foam rubber and is covered with fabric or imitation leather.

**Trunk support**
The trunk support is mounted in a bracket on the back rest. Its height and lateral position can be adjusted and its angle must be parallel to the back rest. The trunk support provides lateral support to the trunk. The trunk support is stuffed with foam rubber and is covered with fabric or imitation leather.

**Thigh supports**
The thigh supports are mounted on separate brackets on the seat plate. The knee stop can be adjusted in two directions to obtain the required width. The thigh supports provide lateral support to the thighs.

**Knee stop**
The knee stop is mounted at the front of the seat plate. The knee stop can be easily removed when getting into and out of the chair using a snap lock, see figure 5. Its height, angle and depth can be adjusted.

![Figure 5. Snap lock knee stop.](image-url)
Positioning belt
The Miniflex seat is available with the following different types of safety positioning belt:

- positioning belt with snap lock
- four-point positioning belt
- self-adjusting positioning belt

Table mounted on arm rest
The table is mounted on the arm rest and can be swung in over the seat and adjusted at different angles to the user.

Table with center control (ordinary maneuvering panel)
The table is mounted in two brackets which are mounted on either side of the seat plate. The table can be swung in over the seat and locked with a snap lock which is located on one bracket. The ordinary maneuvering panel is mounted in a cutout on the table.

Table control
The table is mounted in two brackets which are mounted on either side of the seat plate. The table can be swung in over the seat and locked with a snap lock which is located on one bracket.

A maneuvering panel is embedded in the table so that the whole table surface can be used as a work surface.
Chest support
A chest support for mounting on the edge of the tabletop is available as an accessory for the table control.

Arm rest 10”
An arm rest which is larger than the ordinary arm rest is available as an accessory.

Back pack
The back bag is adapted for mounting on the back rest but can easily be removed. The user can keep his or her personal things in the back bag.

Foot plate foot straps
The foot plate has cutouts for mounting foot straps.
Adjustments

Seat

Negative seat position

The seat can be positioned to lean 5 degrees forwards.

1. Loosen the quick-acting locks on both sides of the seat.
2. Tilt the seat forwards until it is at the required seat angle.
3. Tighten the quick-acting locks on both sides.

NB! Check how tight the quick-acting locks are when the seat is adjusted. If the locks feel loose or if there is too little resistance when they are locked, adjust the tightness using the locking nut on the back of the locks.

Figure 7. Adjusting the seat angle
**Back angle**

The inclination of the back rest can be adjusted infinitely using the back rest lock on the back of the back rest.

1. Loosen the quick-acting lock.
2. Adjust to the required angle.
3. Lock the quick-acting lock.

**NB!** Check how tight the quick-acting locks are when the seat is adjusted. If the quick-acting locks feel loose or if there is too little resistance when they are locked, adjust the tightness using the locking nut on the back of the quick-acting locks.

*Figure 8. Adjusting the back angle*
Armrests

*Height adjustment*

1. Loosen the locking screw with an Allen key.
2. Adjust the height.
3. Tighten the screw after adjustment.

![Figure 9. Adjusting the height of the arm rest](image)

Arm rest angle

1. Lift up the arm rest.
2. Loosen the locking nut of the adjustment screw.
3. Adjust the arm rest to the required inclination by screwing the Allen screw down or up.
4. Tighten the locking nut.
5. Lower the arm rest.

![Figure 10. Adjusting the angle of the arm rest](image)
Adjusting the arm rest forwards/backwards

1. Loosen the locking screw under the arm rest.
2. Adjust forwards/backwards.
3. Tighten the locking screw after adjustment.

Figure 11. Adjustment forwards/backwards
Adjusting the distance between the arm rests

1. Loosen the two locking screws on the rear bar of the seat frame on the right and left sides.

2. Adjust to the required distance, symmetrically or asymmetrically.

   **NB!** Ensure that the arm rests are free of the back rest when they are lifted up.

3. Tighten the locking screws.

"Figure 12. Adjusting the distance between the arm rests"
**Leg support with foot plate**

*Leg support angle*

1. Loosen the locking lever on the leg support bar.

2. Adjust the leg support to the required position.

3. Tighten the locking lever.

**NB!** The angle of the locking lever can be changed by pulling it out and turning it.

*Figure 13. Adjusting the leg support angle*

**Height of the foot plate**

1. Loosen the mounting screw of the foot plate.

2. Adjust the foot plate up or down to the required height.

3. Tighten the screw.

If the screw and its spacing sleeve are removed, the foot plate can be moved to the upper slot. The foot plate is adjusted in the same way there as in the lower slot.
Angel of the foot plate
1. Loosen the locking nut for the adjusting screw on the back of the foot plate.
2. Adjust to the required angle by screwing the adjusting screw in or out.
3. Tighten the locking nut.
Accessories

Head rest, adjustment

Adjustment height/angle

Height
1. Loosen the locking knob.
2. Adjust to the required height.
3. Tighten the locking knob.
4. Tilt the head rest to the required position.

Adjustment forwards/backwards
1. Loosen the locking knob.
2. Adjust as required.
3. Tighten the locking knob.
Trunk support, adjustment
In order to adjust the trunk support, the zippor on the cover of the trunk support must be opened so that the adjustment screws are accessible.

1. Loosen the locking knob on both sides and the mounting screws for the cushions.

2. Adjust the height and width of the trunk supports in relation to each other and place the cushions in line with the back rest.

3. Tighten the locking knob and the mounting screws for the cushions.

4. Replace the cover.

Figure 18. Adjusting the trunk support

1. Locking knob
2. Mounting screw
3. Cushions
Thigh support
*Adjusting the lengthways direction and angle of the thigh support*

In order to adjust the thigh support, the zipper on the cover of the thigh support must be opened so that the adjustment screws are accessible.

1. Loosen the locking screws of the thigh support plates and the locking knobs for the swing arms of the thigh supports.
2. Adjust the position of the thigh support lengthways and the angle of the thigh support.
3. Tighten the locking knobs for the swing arms and the locking screws of the thigh support plates.
4. Close the zipper on the cover.

*Figure 19. Adjusting the thigh support*
**Knee stop**

*Height*

1. Loosen the Allen screw and adjust the knee stop to the required height.
2. Tighten the Allen screw.

*Width/angle*

1. Loosen the four lower mounting screws for the cushions and adjust the cushions to the required position.
2. Tighten the four mounting screws.

*Adjustment forwards/backwards*

1. Remove the knee stop from the bracket.
2. Loosen the locking screw for the snap lock and adjust the snap lock to the required distance from the seat.

*Figure 20. Knee stop adjustments*
**Table mounted on arm rest**

*Height adjustment*

The height of the table is adjusted by adjusting the height of the arm rest, see page 25.

*Adjustment forwards/backwards*

1. Loosen the locking knob on the table bracket and adjust to the required distance from the back rest.
2. Tighten the locking knob.

*Centering and angle adjustment*

1. Loosen the locking knob under the tabletop and pull the table to the required position and adjust to the required angle to the user.
2. Tighten the locking knob.

*Figure 21. Adjusting the table*
Center control/table control

*Table height*

1. Tilt the table out.
2. Loosen the locking screw for the adjustment ring on the shaft.
3. Adjust the adjustment ring to the required height on the shaft and tighten the locking screw.
4. Ensure that the table makes contact with the adjustment ring.
5. Loosen the locking screw for height adjustment of the snap lock.
6. Tilt the table in towards the bracket on the other side and adjust the height of the bracket so that the table locks in the snap lock.
7. Tighten the locking screw and check the locking function.

*Figure 22. Adjusting the table height*

*Figure 23. Snap lock adjustment locking screw*
Table top on frame

Adjustment
The depth of the tabletop can be adjusted on its frame to move the table away from or towards the user.

1. Loosen the three mounting screws for the clips which hold the table to the frame.
2. Pull the tabletop until the required depth is obtained.
3. Tighten the mounting screws for the clips.

Figure 24. Mounting screws for tabletop clips

Arm rest 250
The arm rest 250 is adjusted in the same way as the ordinary arm rest, see pages 25-27.
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 the surface finish, contact Permobil for information.

Upholstery, fabric/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 it is best to use a soft cloth/sponge, hot water and a mild detergent. Wipe down carefully with a cloth and water, and dry off.

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

Remove scuff marks and scratches from shiny surfaces using car polish, either liquid or paste. 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.

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

**Chair adjustments**

| A: Back rest height            | 14, 16, 19 1/2 inches |
| B: Seat depth                 | 10, 12, 14 inches    |
| C: Seat width                 | 10, 12, 14 inches    |
| D: Distance between arm rests | 10 - 14 inches       |
| E: Leg support height         | 5 - 11 inches        |
| F: Arm rests                  | 10 - 12 1/2 inches   |
| G: Arm rest height            | 6 - 11 1/2 inches    |
| H: Maneuvering panel          | 12 - 15 inches       |

Back rest angle - adjustable  
-5° - 50°

Weight (excl. accessories and maneuvering panel)  
33 lbs

Max. Weight User  
77 lbs

![Figure 25. Chair adjustments](image-url)
Accessories

Head rest
Trunk support
Thigh support
Knee support
Belt
- Self-adjusting
- Hip belt
- Three-point belt
Table, mounted on arm rest
Center control on table, ordinary maneuvering panel in table
Table control
Arm rest 10"
Back pack
Foot plate fastening straps
Trunk support