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EN

Anatomic SITT™



Anatomic Sits

User manual

User manual, mounting and adjustment instructions, service and maintenance



This user manual refers to individual made seats Anatomic Sits with accessories. For a complete overview of the intended accessories, see the product orderform.

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Manufacturer

This product is manufactured by Anatomic Sitt i Norrköping AB

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Introduction

General

In order for you to make full use of the aid in a safe way, it is important that you read this user manual properly. This concerns the caregivers and family who are nursing the user. The user is the person sitting in the device and the caregiver is the person operating the device.

Save the user guide/manual for future reference. New editions are available for download from our website www.anatomicsitt.com. Information about the latest revision can be found on the front page along with the date.

Correspondence - marking

The product label and its packaging contains the reference number (REF) and serial number (SN - for main products) or batch number (LOT - for accessories). The label is placed on the inside of the seat shell on the back or seat. These numbers shall be provided in correspondence with Anatomic Sitt.

Declaration of conformity

The device complies with the requirements for medical devices under Regulation (EU) 2017/745 on medical devices. See the current EU declaration of conformity for product variants and accessories, see www.anatomicsitt.com/documents

Symbol list



Alerts the reader to important safety information, etc.



The symbol indicates instructions and tips which makes it easier when using the product.



Always read the instructions before use.



Read the user manual for important safety information.



Manufacturer (possibly also date of manufacture).



The batch/batch number of the manufacture for identification purposes.



Medical device.



Reference number/item number for product identification.



Unique identifier of product and manufacturer.



Indicates the manufacturer's serial number so that a specific technical product can be identified.

See also washing symbols under chapter Care and washing instructions

Safety precautions

Education and qualifications

- Mounting, service and reconditioning must always be done by qualified personnel, (technicians at an aidcenter or equivalent).
- Decisions on adaptation/special adaptation must be made by qualified medical personnel and performed by qualified professional personnel (technicians at an aidcenter or equivalent).
- Settings, adjustments and testing of the aid must always be carried out by qualified medical personnel (specialist personnel at an aidcenter or equivalent).
- The aids prescriber or person with equivalent competence and knowledge of the user and the aid must always do a risk assessment before use.

Warnings and precautions

- Settings may only be done by qualified professionals. It is only permitted to make settings in the manner described in this user manual.
- Check the function of the product before handing it over to the user.
- The person who are prescribing the aid is responsible for instructing the user and/or other persons in its immediate environment how to use the product safely. Always check the function of the product before use.
- Prescriber or person with equivalent competence and knowledge of the user to balance in the selected seat to ensure that any tipping risk is excluded.
- After all mounting and adjustment or service work is done, check and tighten all fastening screws and nuts.
- Never use the footplate when getting in and out of the aid.
- Note that if the user grabs objects outside the aid or leans too far out of the aid, a center of gravity shift can occur, which can lead to an increased risk of tipping.
- Always lift in the chassis - never in the seat.
- Never do service while using the product.
- Never leave the user unattended when using the aid.
- Always check after use to detect redness or pressure marks on the patient.

Control before use

Inspection and control must be performed before each use according to below:

- Check the product and its accessories for loose parts, wear and damage. In particular, check screws, nuts and knobs.
- Check that the seat is securely attached to the chassis.
- Check the stability of the product.
- Check the product moving functions, such as back angle, regarding mobility and locking.
- Check belts and harnesses for wear, function and attachment.

If defects are noticed, do not use the product. Contact your distributor of the aid for action.

Remaining risks

Be aware that the product and its accessories are set correctly so that the user does not suffer any discomfort or injury during use.
If this is the case, adjustments must be made or suitable accessories fitted.

Approved combinations

The product may only be fitted with accessories and spare parts supplied by Anatomic Sitt AB. See the product order form for possible accessories and sketch for spare parts.

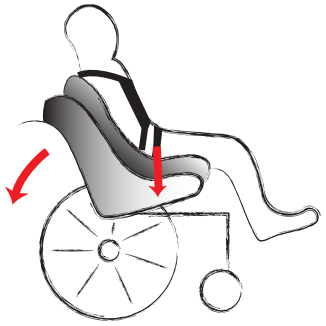
Divergency/Incidents

If the product is unusable product, contact your aids center or dealer/manufacturer.

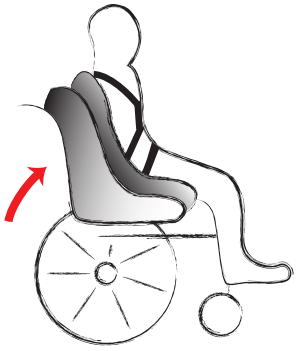
If a serious incident occurs, it should be reported to Anatomic Sitt AB and to the country's competent authority.

Use of the seat

Use of the seat



1. Make sure the seat is firmly attached to the chassi and can be tilted.
2. Make sure the parking brake is locked and the wheelchair is on a stable surface.
3. Start by tilting/tipping the seat back as far as possible, before the patient is placed in the seat.
4. Place the patient in the seat. Make sure that the user gets into the seat properly. Check with your hand at the sides of the hip. The pelvis should be in the intended position as at the fitting of the seat. Adjust if necessary.
5. Fasten the hip belt over the hips and tighten the straps to secure the pelvis. See more detailed instructions in the chapter ”Hip Belts”.
6. Secure the harness (see the chapter ”Harnesses”) and any other belts in accordance with their instructions for use.
7. Tilt the chair back in normal mode. Use the tiltfunction during the day to create variation in the pressure distribution on the body.
8. From time to time, check that the user is seated correctly and stably.



Many users are only able to sit in an active sitting position for short periods of time. By changing from active sitting to relaxing position several times a day, the user gets a more comfortable sitting and also the pressure is distributed. This prevents the appearance of skin redness.

Mounting and adjustment instructions

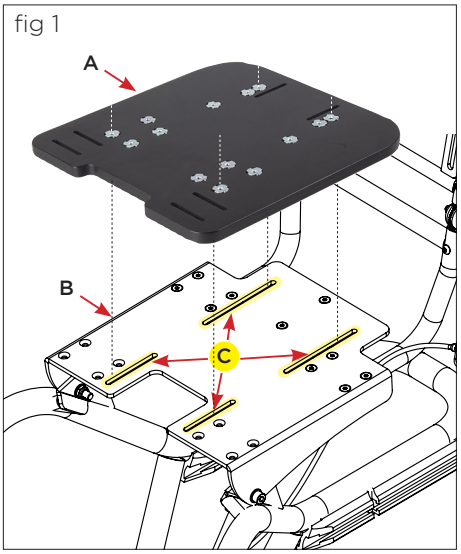
Mounting must always be done by qualified personnel, (technicians at an aidcenter or equivalent). Instruct the user and/or other people close to the user about the product functions so that the aid can be used safely.

Mounting of seat

The seat can be fixed to the undercarriage or detachable with a quick-release coupling.

Fixed mounting with wooden base plate (fig. 1)
The seat is supplied with a wooden base plate (A) which is used when you want a fixed mounting in the undercarriage. It is then screwed into the base (B) with two screws from below, up through the slots (C) and into the wooden plates impact nuts (see fig 1).

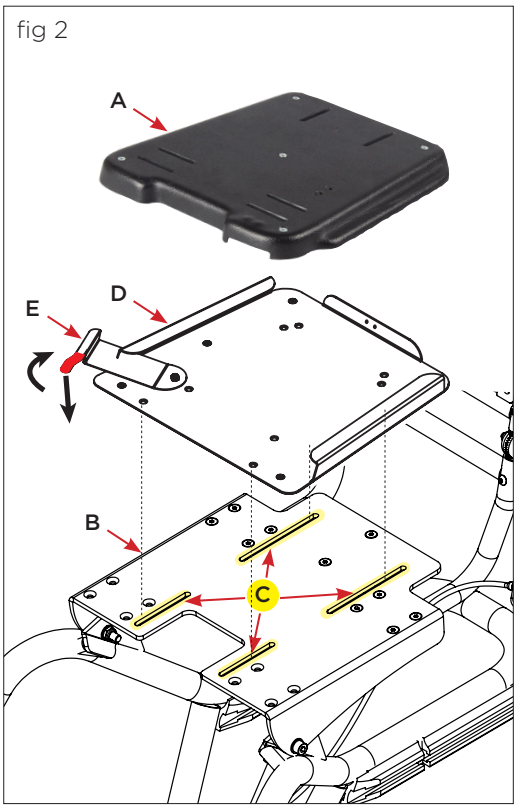
fig 1



Removable mounting with attachment plate (fig. 2)
The seat is supplied with a plastic base plate (A). A metal/wood fixing plate (D) is fitted to the undercarriage. It is then screwed into the undercarriage (B) with the attached screws from below up through the slots (C) and into the fixing plate (see fig. 2). To mount the seat in the fixing plate, do the following:

1. Push the lock lever (E) and rotate it to the left (when viewed from the front) into the track. It is very important to get it all the way into the track on the side.
2. Slide the seat bottom plate (A) into the side tracks from the front until it stops at the rear.
3. Push the locking lever (E) and rotate it back to its original position, straight ahead. The seat is now securely mounted on the undercarriage.

fig 2



! When the seat is removable, the attached safety strap can be fitted around the chassis handlebar (or equivalent) when the seat is fitted.

Removable mounting with adapter system (fig. 3)

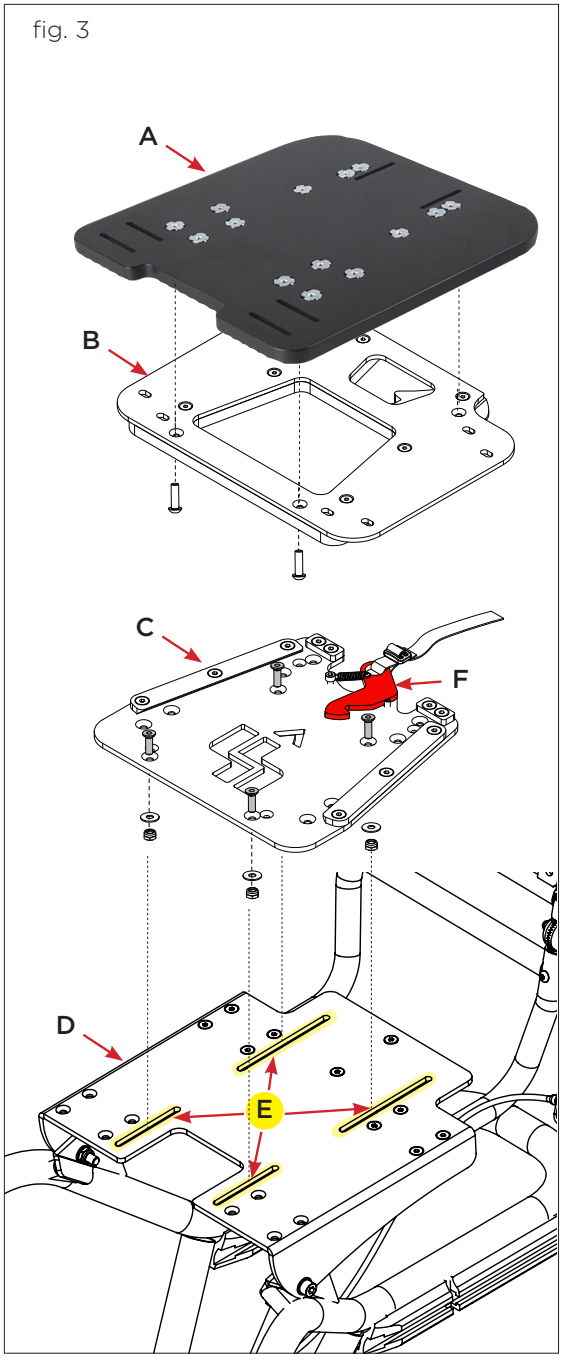
Adapter system allows easy shifting of the seating system between different undercarriages. An adapter system consists of an upper adapter plate (B) on the seating system and a lower base plate (C) on the undercarriage.

1. On a seat with wooden base plate (A), the adapter plate (B) is mounted directly into the plate with impact nuts and M6 screws from below. This has normally been done from Anatomic Sitt.
2. Fit the base plate (C) to the undercarriage (D) by fastening it through the slots (E) with the screws, washers and nuts provided.
3. Once the adapter plate and base plate are fitted to the seat and base respectively, they can be connected together. The seating system is correctly fixed when a click sound is heard from the lock (F).

> ⚠ Ensure the seat system is securely fastened on the undercarriage before use.

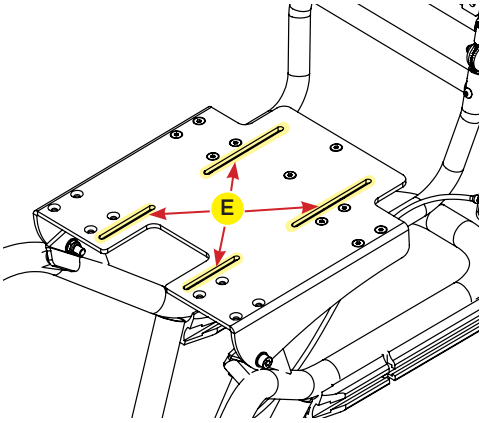
> ! When the seat is removable, the attached safety strap can be fitted around the chassis handlebar (or equivalent) when the seat is fitted.

fig. 3



Seat positioning

Depth adjustment
To avoid the risk of tipping, the seat should be adjusted in depth on the undercarriage.
Loosen the screws in the notches (E) that hold the seat to the undercarriage and slide the seat so as to achieve a good balance on the undercarriage.
Tighten the screws firmly.



Angle-adjustable base plate

With the angle-adjustable base plate, you can laterally tilt the seat right or left in the frontal plane and change the seat angle.
This is done by adjusting the marked screws (C) and (D).

> Do not remove the screws, just loosen them slightly to adjust the seat.



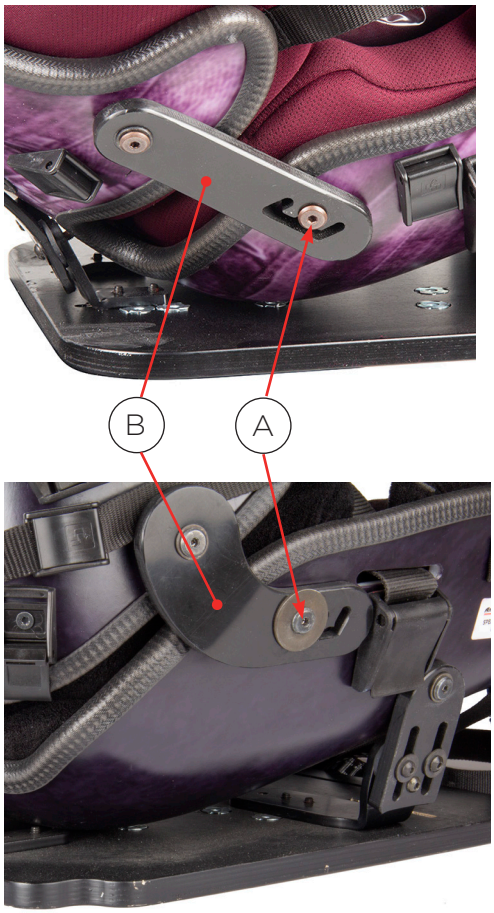
> Check that the seat is balanced on the chassis to avoid the risk of tipping.

Adjustable hip angle

The adjustable hip angle makes it possible to change the seat angle at the hip. The seat is always delivered in the middle of three positions and can be either closed or opened with respect to the seat angle at the hip.

Increase the hip angle
Loosen the screws (A) slightly on the sides of the seat. Unfold the angle bracket (B) slightly and bend the back backwards until the screws fit into the bottom groove.
Tighten the screws (A) securely.

Reduce the hip angle
Loosen the screws (A) slightly on the sides of the seat. Unfold the angle bracket (B) slightly and bend the back forward until the screws fit into the top groove.
Tighten the screws (A) securely.



Check that the seat is balanced on the chassis to avoid the risk of tipping.

Linings

NEW NUMBERING

The seat is usually equipped with two or more linings, which are indicated on the label. You always count from the body outward.

RR – Extra Pressure-Relief

Must always be placed closest to the body and must always be in the seat, as it provides better pressure relief than the other linings and absorbs much of the shear forces that may occur.

Incontinence protection

When using an incontinence protection, it should always be placed between the washable Extra Pressure-Relief lining and lining no. 1.

Lining no. 1

Should be placed behind the RR Extra Pressure-Relief lining. Lining no. 1 can be whole or divided to provide more space in the seat or backrest. The advantage is also that it allows for further growth in the seat.

Lining no. 2

Should be placed behind lining no. 1. Lining no. 2 can be whole or divided to provide more space in the seat or backrest section. The advantage is also that it allows for further growth in the seat.



Linings

PREVIOUS NUMBERING

The seat is usually equipped with two or more linings, which are indicated on the label. You always count from the body outward.

Lining no. 1

Must always be placed closest to the body and must always be in the seat, as it provides better pressure relief than the other linings and absorbs much of the shear forces that may occur.

Incontinence protection

When using an incontinence protection, it should always be placed between the washable lining no. 1 and lining no. 2.

Lining no. 2

Should be placed behind lining no. 1. Lining no. 2 can be whole or split to provide more space in the seat or backrest section. The advantage is also that it allows for further growth in the seat.

Lining no. 3

Should be placed behind lining no. 2. Lining no. 3 can be whole or split to provide more space in the seat or backrest section. The advantage is also that it allows for further growth in the seat.



Hip belts

In its standard configuration, the seat is equipped with the required buckles for a hip belt as agreed with the prescriber. The buckles are mounted on the outside of the seat. The hip-belt straps must sometimes be threaded through the designated slots (A) in the seat and the linings before being secured in the buckles.

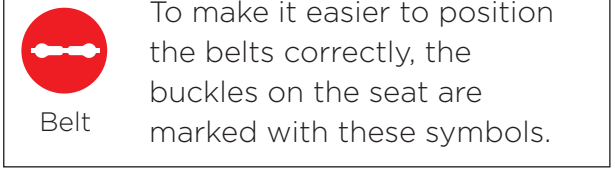
Mounting the hip belt
Attach the belt straps to the buckles (D1 + D2) marked with a red decal. Two-point belts have one buckle on each side, and four-point belts have two buckles on each side of the seat section. If necessary, trim straps that are unnecessarily long. If you do, melt the cut edge of the strap to prevent fraying.

Using the hip belt
Place the hip belt over the hips (see figure 1 at the bottom) and secure the pelvis with the hip belt. First tighten the belt tongue on the side where the user turns/tightens outward.

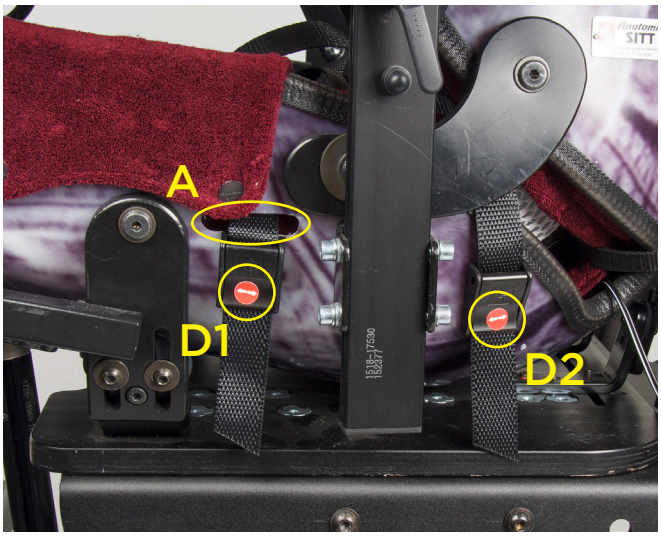
Adjust the belt position using the rear straps/attachment points (D2). Adjust the belt so that the buckle (E) is centered on the user. If the buckle is not centered, there is a risk that the straps will slip in the buckle (the buckle will not lock). Tighten the hip belt firmly. The hip belt should fit well enough to keep the user's pelvis stable. As a rule of thumb, you should be able to fit exactly one finger between the thigh and the belt tongue. Check that the buckle (E) is securely fastened and that the adjustment straps (F) are tightened sufficiently. (See also the separate instructions for use for the relevant belt.)

See also separate instructions for use for other positioning aids.

Check from time to time that the user is seated correctly and stably.


Belt

To make it easier to position the belts correctly, the buckles on the seat are marked with these symbols.



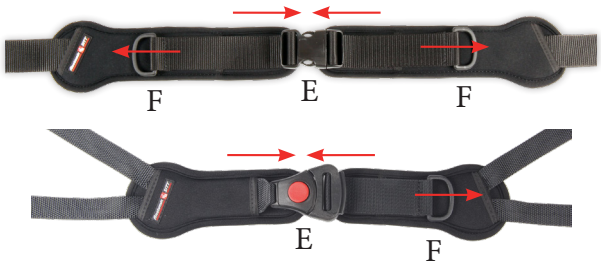
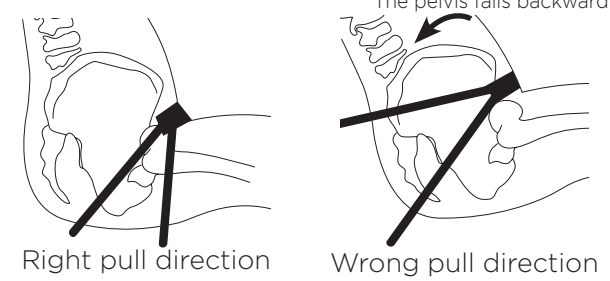


Figure 1



Chest harnesses

In its standard configuration, the seat is equipped with the required buckles for a chest harness as agreed with the prescriber. The buckles are mounted on the outside of the seat back. The harness straps must sometimes be threaded through the designated slots in the plastic and the linings before being secured in the buckles.

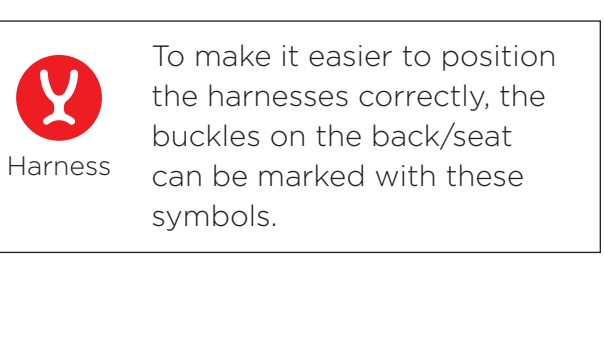
Mounting the harness
Attach the harness's upper straps to the upper buckles (B) marked with a red decal. Attach the harness's lower straps to the lower buckles (C). If necessary, trim straps that are unnecessarily long. If you do, melt the cut edge of the strap to prevent fraying.

Install the harness straps in the upper buckles in a suitable position. Note: High attachment points are required for optimal positioning. The pulling direction for the upper attachment points should be higher (approx. 5 cm) above the shoulder area to prevent the shoulder from being pushed downward.

Using the harness
First tighten the hip belt as described in the previous chapter to position and, if necessary, optimally correct the user's pelvis.

Then attach the harness straps to the designated buckles—(B) at the top and (C) at the bottom—marked with red symbols.

The harness also has concealed buckles sewn into the seat liner for easier handling, making it easy to return to the correct tension when taking it off and putting it on.


Harness

To make it easier to position the harnesses correctly, the buckles on the back/seat can be marked with these symbols.



Airseat (fan in molded seat)

The fan sucks out heat and moisture from the seat. You must on no account expose fan or battery to water (eg during cleaning). If you need to clean the seat, this can be done gently with a damp cloth so the mounted fan is not exposed to moisture. Do not start the fan when the temperature is low then, the user can get cold.



Mounting
The control unit can be mounted on the outside of the seat or on the chassis. There is a quick-attach bracket where the plate is screwed to the seat or mounted with mounting clamps to the chassis frame (see components on next page). Connect the cables to the control unit sockets as shown in the table on the next page. A red user button (accessory) can be placed in a appropriate location with a piece of Velcro.

Operating
Start/stop the fan with the green power switch (A) or with the red user button (9) (accessory).

Control unit with battery 12V
The 12V control unit has a rechargeable battery and can be recharged with the supplied charger. Before using the battery for the first time, it should be charged for 10-15 hours. The control unit with battery can be easily disconnected for recharging. Charging is done as follows:

- Connect the charger to the wall socket and the control unit.
- The red light on the charger comes on when charging has started.
- The light goes out when charging is complete.
- Disconnect the charger

Charging should be done indoors every evening after use.
The charger can be left plugged in as it has built-in protection against overcharging and switches to maintenance charging when the battery is fully charged.
The battery cannot be charged in the car, only with the charger provided.
The battery must not be thrown away in the garbage when it is worn out but must be returned for recycling.

Control unit for 24V power source
The 24V control unit has no built-in battery but must be connected to an external power source, e.g. an electric wheelchair.

Fuse
The control unit contains a glass fuse.

Airseat components

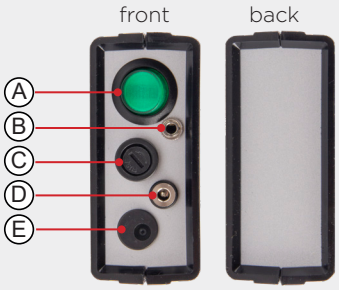


Components	Art. no	Socket
1. Control unit 24V	774097	
2. Control unit 12V	774096	
3. Quick release plate	213035	
4. Mounting clamp	211800	
5. Charger 12V	213029	(E)
6. Cable 24V	213049	(F)
7. Fan 12V	213021	
Fan 24V	213033	
8. Fan cable	213038	(D)
9. User button	774099	(B)
10. Adapter for charger (UK)	213031	

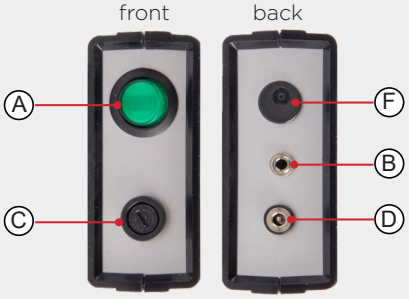
Components

A. Switches
B. Socket user button
C. Fuse
D. Fan socket
E. Charger socket
F. Socket for 24V external source

Control unit 12 V



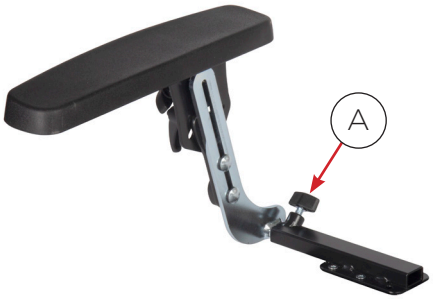
Control unit 24 V



Armrest

When adjusting the armrests, consider if a table will be used. Otherwise, assume a relaxed position in the shoulder joint and let the arm rest at 90 degrees to the armrest.

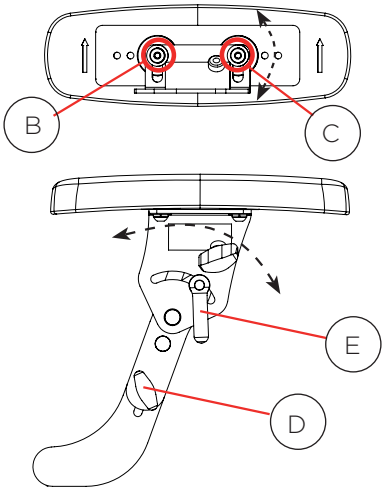
Armrest from base



Width adjustment: open the knobs (A) and adjust the armrests sideways.

Depth adjustment: Loosen screws (B) and (C) completely and adjust to the desired position. Replace and lock the screws.

Rotation: Loosen screw (C) and adjust to desired position. Lock the screw.



Height adjustment of armrest plate: Loosen knob (D) and adjust to desired position. Lock the knob.

Angle adjustment of armrest plate: Loosen the lever (E) and adjust to the desired position. Lock the lever.

Armrest in seat



Adjusting the height of the armrest plate:
Loosen the screws (F) and adjust to the desired position. Lock the screws.

Depth adjustment:
Loosen screws (B) and (C) and adjust to desired position. Replace and lock the screws.

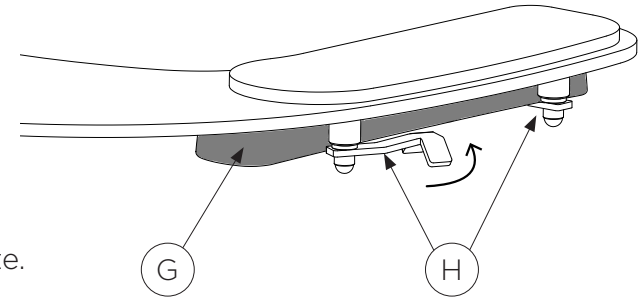
Rotational adjustment:
Loosen screw (C) and adjust to desired position. Lock the screw.

Armrest plate angle adjustment:
Loosen lever (E) and adjust angle to desired position. Lock the lever.

Table

Assembly of the table

Place the table on the armrest plates and then rotate the table's locking arms (H) under the armrest plate (G) until they are clamped. If you have chosen a table with reinforcement and which can be swung away, there is a tube to which the table should be attached under the armrest plate.



Adjustment

Check that there is sufficient support surface under the table against the armrests. If the support surface is too small and the table feels wobbly, loosen the two screws (B) and (C) under the armrests and slide them forward to the intended holes, see hole pattern under the armrest plates. Tilt the table to a good practical angle using the lever (E) at the sides and make sure the height is correct using the knob (D). Make sure that the table is not too close to the belly to cause discomfort.

Headrest

Adjustment

All adjustments to the headrest should be made in consultation with the prescriber responsible. Pay attention to whether the headrest screws are in inches or millimetres so that you use the correct tools.
For Pro-Series headrests, see separate instructions for use.

Removal

Many people have to remove the headrest to make it easier for the user to get in and out. Especially in the case of anatomically shaped seats.
All headrests have a "memory". Either a ring with a pin (Linx) or a squared stop (others).
The memory should always be locked so that the headrest can be removed but always returned to its intended position.



Linx stop ring | Squared stop

Footrest

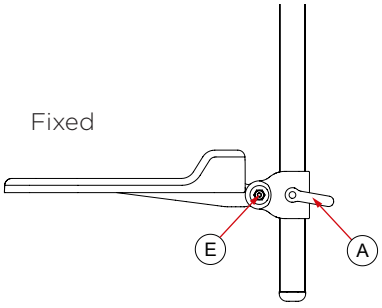
Adjustment
Loosen the handle (A) at the seat and ensure that the angle is not too transverse so that the stand grips the frame of the base or the ground when tilting.
Adjust to the desired height of the footrest and finish with the desired angle at the ankle joint (4 mm Allen key). Check that the castor wheels move freely.



Removal
To remove the entire footrest, loosen the screw (B).

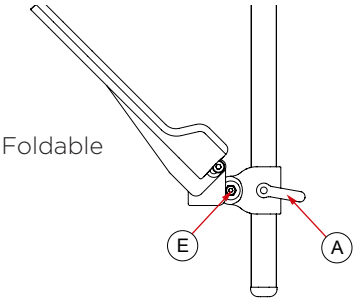
Height adjustment of the footplate

To adjust the height of the footrest, loosen the lever handle (A) slightly to adjust to the desired height. Then tighten the lever handle.



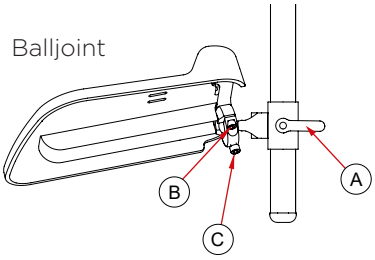
Angle adjustment of the footplate

Fixed footrest bracket: To adjust the angle at the ankle, loosen the screw (E) and adjust to the desired angle. Then tighten the screw.



Fixed footrest bracket: to adjust the angle at the ankle, loosen the screw (E) and adjust to the desired angle. Then tighten the screw.

Folding footrest bracket: To adjust the angle at the ankle, loosen the screw (E) and adjust to the desired angle. Then tighten the screw. To use the folding function, lift the front edge of the footrest plate.



Tilt adapter: To use the tilt function, first loosen screws (B) and (C) and adjust to the desired position. Then tighten the screws (B) and safety lock position with screw (C).

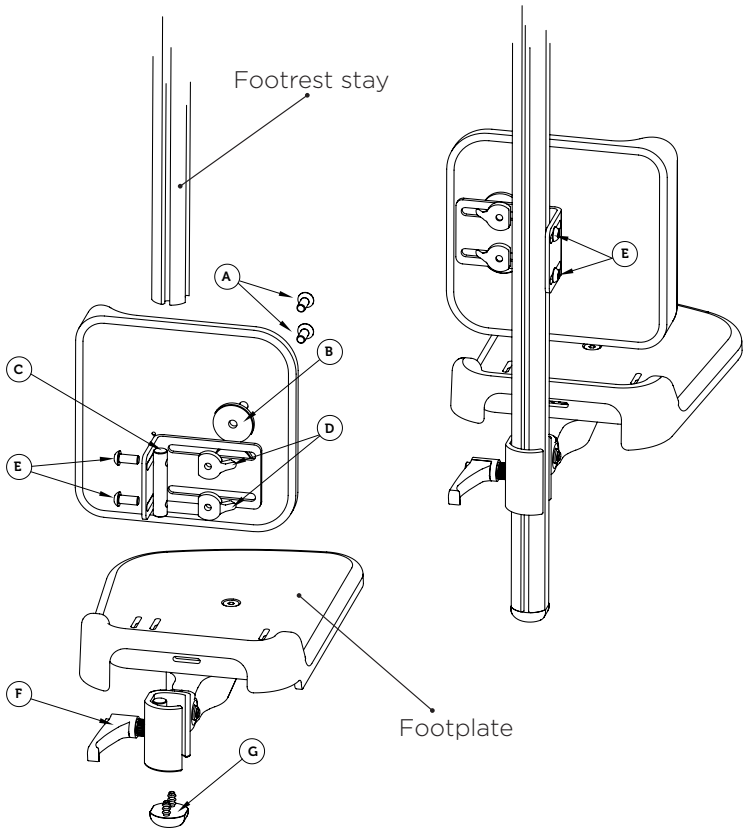
Calfsupport

Mounting of calfsupport
Before you can install the wadding, you must first remove any footrests. Start by removing the end cap (G) and then loosen the lever handle (F) that holds the footrest in place on the footrest bar. Then pull the footrest plate and its fittings downwards.

Install the footrest by sliding the rail pin (C) into the footrest frame, adjusting to the desired height and tightening the screws (E). Then refit the footrest and end cap (G).

Height and depth adjustment
To adjust the height and depth of the calfsupport, loosen the screws (E) slightly and then adjust to the desired height/depth. Then tighten the screws (E).

Width adjustment
To adjust the width of the calfsupport, loosen the screws (A) slightly and then adjust to the desired width. Then tighten the screws (A).



Summary and follow-up

After mounting and/or adjustment, check that the products (main product and accessories) are mounted correctly according to the user manual and works as intended.

Check the settings of the product and its accessories so that the user has a correct sitting position.

After all assembly, adjustment or service work, all lever handles, fastening screws and nuts should be checked and tightened.

If defects are noticed, do not use the product. Contact your distributor of the aid for action.

Transport in vehicles

When transporting a Anatomic Sits in a car, mounted on the frame, the instructions specified by the manufacturer of the frame shall be followed.

Safety strap
A special strap is delivered with the seat which purpuse is to be fitted from the seat back profile and around the chassis driving bow. Make sure this strap is tightened during transport.

Crash tested and approved
The seat is crash tested and approved according to ISO 16840-4.
This standard acknowledges that the seating system may be fitted on all frames that are approved according to ISO 7176-19, while maintaining their approval for the combination.



Safety strap

Crash approval applies to user weight up to 135 kg.

Service and maintenance

Control before use

In order for the device to work properly, regular service and inspection must be performed.

Inspection and control must be performed before each use according to below:

- Check the product and its accessories for loose parts, wear and damages. In particular, check screws and nuts as well as knobs.
- Check that the seat is securely attached to the chassis.
- Check the stability of the product.
- Check the product's moving functions, such as back angle, etc. regarding mobility and locking.
- Check belts and harnesses for wear, function and attachment.

If defects are noticed, do not use the product. Contact your distributor of the aid for action.

Care and washing guidelines

Care instructions

The need for cleaning varies and must be assessed on a case-by-case basis depending on how the product is used, but cleaning at least once a week is recommended.

The plastic part (PEHD) of the seat may be washed with a sponge or soft brush. Use a light detergent and, if necessary, a disinfectant.

Linings

We recommend hand washing (max 60°) if the lining is not very dirty, as this extends the life of the lining. You can then use a soft sponge.

They can be machine-washed at a maximum of 60°C (always read the care label), as long as they fit in the washing machine. Turn the liners inside out and use a gentle wash programme. However, **linings shall not be centrifuged.**

The linings should be dried at room temperature, or in a low temperature drying cabinet, and should not be placed directly against a heat source. They should not be dried in a tumble dryer, as they may lose their shape. Turn the linings inside out when drying if possible.

Washable RR linings and the incontinence cover can be machine washed at 60° C but should be dried at room temperature. Feel free to flatten with your hand lightly against the fabric so it does not come loose against the underlying material (RR).

For positioning harnesses and hip belts from Anatomic Sitt, follow the separate care labels on the products. For more information, see the relevant instructions for use for each product.

To make it easy to reposition the harnesses and belts, the fittings on the seat are marked with these symbols.



belt harness

Washing symbols



Handwash



Machine wash 60°C



No chlorine bleach



Do not tumble dry



Do not iron



No dry cleaning

Recycling

A used part or product should be dismantled and discarded. The parts should be separated by material type and taken to a recycling station.

Warranty

Warranty and complaint
Warranty generally applies for one (1) year against manufacturing defects from delivery date or according to agreement. Warranty is not provided for external influences or abnormal handling. For warranty treatment is required incorrect item in return. Always enclose a delivery note.

In order to best assess the complaint, the product must be dry and cleaned when it is sent back.

Describe the error and the possible cause for this as thoroughly as possible. Claim repairs or possible replacement under warranty. Always attach a copy of the invoice and state that the product should be returned to you after repairs. Provide a shipping address, a contact person and a phone number. Form for complaints can be downloaded from our website.

Pack the dry and clean product well to protect it from any shocks during transport. Do not forget to write down the shipment number or similar on your documents. This is so that you can track the shipment if something should happen during transport.

Revision

In this version of the manual, the following changes have been made:

Linnings
Update, new & previous numbering p. 12–13

Hip belts
New chapter p. 14

Chest harnesses
New chapter p. 15

Care and washing guidelines
Update text p. 24

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v. 2.0 - 2017-10-19
v. 2.1 - 2021-05-26
v. 2.2 - 2021-12-29
v. 2.3 - 2023-01-30
v. 2.4 - 2023-09-13

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