



medemagroup



User Manual Spinalus-3 Child

Serial number: ____ - _____ - _____ - _____

Delivery date: _____ Year 20_____

This vehicle was supplied by: _____ **Date:** _____ / _____

Dealer:

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Spinalus-3 settings



Spinalus-3 is designed to stay safe to use for at least 10 years

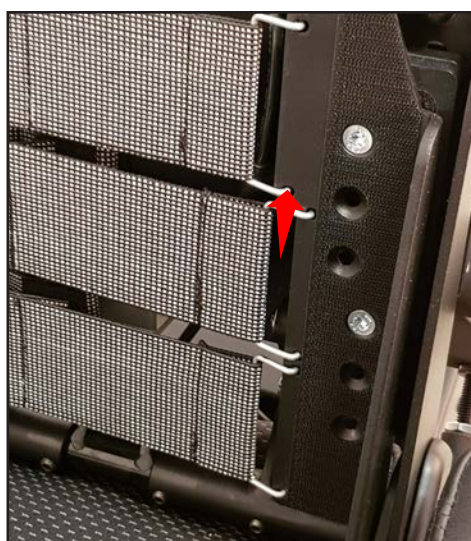
Adjusting the height of the backrest



The backrest can be adjusted up/down in several sections.

The top part of the backrest is, from the factory, mounted in the top hole. Can be moved one hole down (30 mm)

The backrest itself is, standard wise, mounted in the middle adjusting hole. From here it can be moved 25 mm up or down.



Adjusting holes for the top part of the backrest.

Tool: open end wrench
13 mm

Adjusting holes for the backrest.

Tool: Torx T30

Stepless adjustment of seat depth



Seat depth are step less adjusted between 15 and 45 cm.

Due to the construction of the back, the seat depth adjustment have no influence on the other geometry in the backrest.



Remove the cover on both sides.

Loosen the two screws - adjust forward/backward - tighten the screws again.



If you need to move the seat further back, it can be necessary to move the control-box too.



Move the control-bax back and mount again in the extra set of holes.

Be aware of not damaging the cables beneath the box.



Adjustment of armrests



Forward/backward

Adjust the armrest forw./backw. Loosen these two screws - adjust - tighten the screws again.

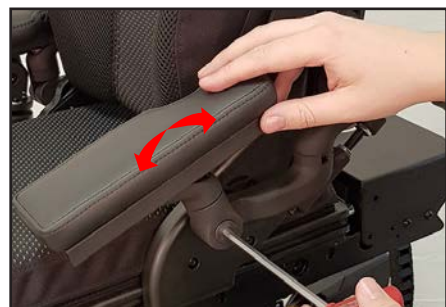
Further forward

Remove the armrest, see above, and turn the bracket 180° by loosen the screw - turn bracket - tighten screw again.



Angle up/down (first joint)

Loose the screw - adjust - and tighten the screw again.





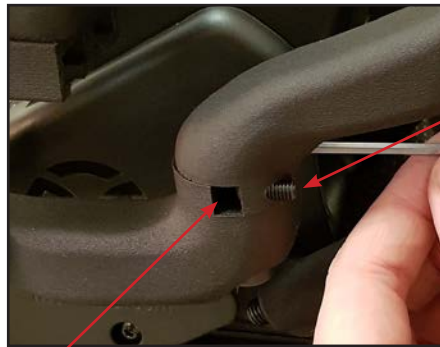
Angle up/down (second joint)

Loosen the two nuts, and by screwing the screw in or out the angle changes.

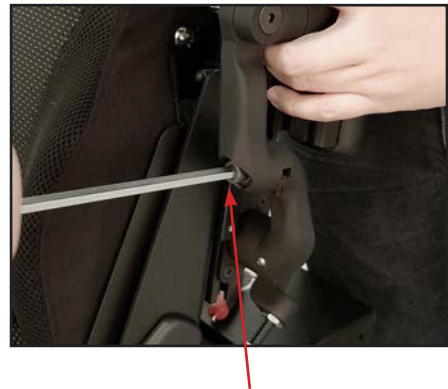
By using the Angle up/down in both first and second joints in combination, you can raise or lower the armrest.

Angle in/out

Loosen the two sucket set screw so they are not visible in the "window".



Window

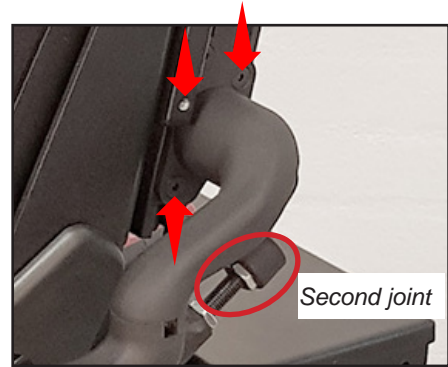


And loosen this screw too.



Adjust angle, and tighten the screw and the two sucket set screws again.

Armrest up/down



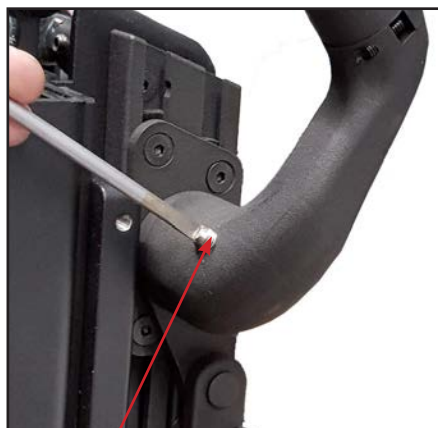
Adjust the armrest up/down. Loosen these three screws - adjust - tighten the screws again. Adjust the angle up/down in second joint, to make the armrest level again. See earlier description.

Dismantling the armrest



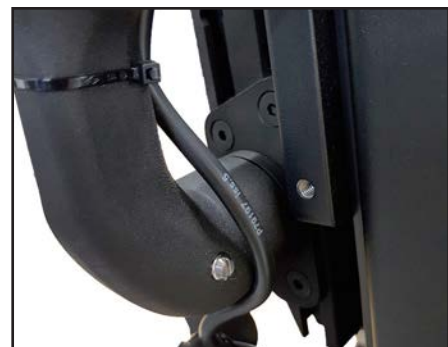
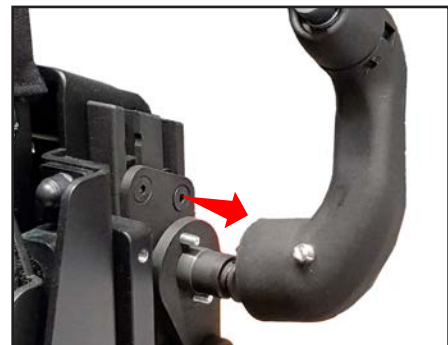
Remove the armrest completely, by loosen the sucket set screw that holds it in place.

Flip the armrest up, and find the sucket set screw.



Sucket set screw. Loosen it. Remove armrest.

Remember to disassemble cable to joystick or any accessories..

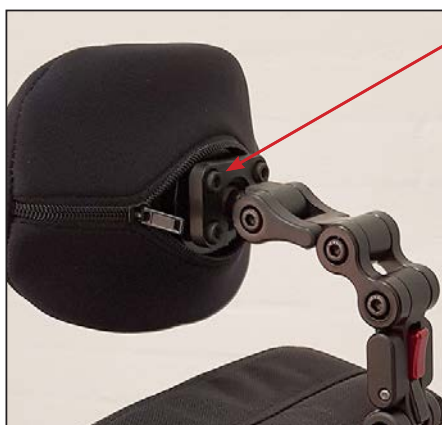


Adjusting the headrest

The headrest is designed to stay safe to use for at least 10 years.



*The headrest is multi-adjustable. Adjustments can be made in all joints.
Tool: Allen key 4 mm*



The headrest pad can be adjusted in all directions, by loosen the four screws.

Hold it in place while tightening the screws again.



With this release button you can flip the headrest away.



Adjustment of the seat width



The Spinalus-3 seating system is full modular seating system from 28 to 38 cm in seat width. In steps of 5 cm.

When changing from one seat width to another, all that need to be changed, is the cushions.

Under the seat, and back cushions there is webbings

that can be adjusted for good comfort, and adjustable for varies seat widths. The upper part of the backrest, can be angled forward or backward.

The back has an adjustable dynamic recline which means that the back moves down at the same time as it is angled backwards. It is a sliding function that compensate for change of position and reduce the displacement.

The armrests follow the back and also have a dynamic movement that ensures that they are held parallel when the back is angled. The armrests are available in many different lengths and can be adjusted steplessly back and forth.

The seat depth can be adjusted steplessly from 15 to 45 cm. Due to the construction of the back, the seat depth regulation has no influence on the other geometry in the back.

Contact an authorized service technician if the width of the seat is to be changed. More information can be found in the Service Manual.

Dynamic recline



In the outer holes (hole 1) the seat back is lowered 50 mm.

You can adjust how far the seat back moves down during recline. Move the two screws (in both sides) as shown in the set of holes.

Hole	Distance
1	50 mm
2	40 mm
3	30 mm
4	20 mm

Note!



The screws must be placed similar in both sides of the seat. The closer to the centre, the screws are mounted, the less the back is lowered.

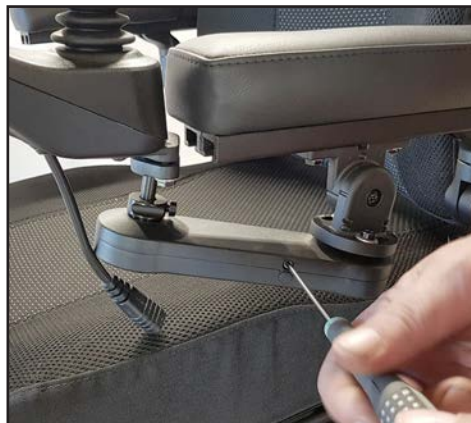
Swing-away fitting for Spinalus-3



Our Swing away fitting for Spinalus-3 have many adjustment features, to place the joystick to fit you perfectly.

The Swing away is designed to stay safe to use for at least 10 years.

Justering av hardhet.



Her justeres hvor lett beslaget skal gå når man fører det til siden.

Verktøy: Torx T10

Adjustment in the depth of the armrests



Fold up the armrest.

Two screws hold the control box to the armrest. Loosen the screws.

Control box Fixing and thus the Joystick can now be moved in depth to the desired position. After adjustment, tighten the screws again.

Tools: Allen key 5 mm

Adjusting the joystick



The joystick mount sits on a ball joint. By loosening one of the two screws, the joystick can be turned as desired. After adjustment, tighten the screws again.



Joystick height adjustment

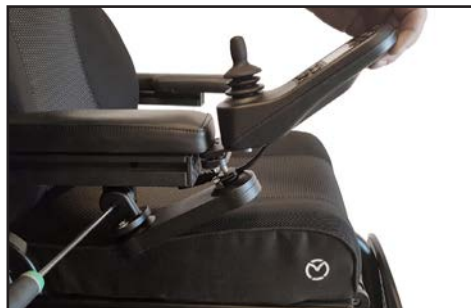


By loosening this screw, the joystick can be adjusted up / down, with center in this axis.

Tool: Torx T30



Find the right location.



And tighten the screw again.

Tool: Torx T30



This setting also affects how far the joystick folds under the armrest.

Replace joystick



The Joystick is attached to a bracket with two screws. Remove the two screws, and unplug the plug.

Mount a new in reverse order.

Remember!
To fix the cable again with cable ties.

Tool: Allen key 4 mm

Switch joystick to opposite armrest



Remove the two screws that hold the swing away module.

Disassemble the plug.



Remove the end plug on the rail.

Let the swing away module slide off the rail.

Place it in reverse order on the other armrest.



When the Swing away is moved to opposite armrests, it no longer sits in the extension of the armrest. It needs to be adjusted.

Verktøy: Torx T25



Adjust these two joints for the correct position of the Swing away

Attach the cable.



In order to make the Swing away, swing to the other side, switch these two screws around.

Tool: Torx T25



They have different length. The longest screw should be to the right if the Swing away is mounted on the right armrest. And opposite on the left side.

Fix the cable with cable ties.

Technical data

MC 1144	
Seat	
Seat plane angle (Spinalus-3)	Min 0° / Max 5°
Effective seat width (Spinalus-3)	280, 330, 380 mm
Effective seat depth (Spinalus-3)	Min 150 mm / Max 450 mm
Hoist/tilt Raise/lower Tilt angles (***) Tilt angles optional (****)	300 mm Min -0° / Max +50° Min -5° / Max +45
Seat surface height at front edge (floor to top of seat cushion) Spinalus-3 (not tilted)	Min 440 mm / Max 470 mm
Seat surface height at front edge (floor to top of seat frame) Spinalus-3 (not tilted)	390, 430, 450 mm
Backrest angle (Spinalus-3 child)	Min 0° / Max 50° (**)
Backrest height (Spinalus-3 child) Seat width 280 mm Seat width 330 mm Seat width 380 mm	370 mm (from 370 to 450 mm) 370 mm (from 370 to 450 mm) 400 mm (from 380 to 470 mm)
Footrest to seat (top of seat cushion) distance	Min 185 mm / Max 185 mm
Leg to seat surface angle	Min 92° / 164°
Armrest to seat plate distance	Min. 180 mm / Max 320 mm
Horizontal location of axle	Front
Minimum turning radius without footrest	658 mm
Minimum turning radius with split footrest	658 mm
Minimum turning radius with central footrest	658 mm
Wheel sizes: Safety wheels: front Central wheels: middle Pivot wheels: back	Ø100 mm / solid Ø350 mm / pneumatic Ø220 mm / solid
Tyre pressure for central wheels	40.6 psi / 2.8 bar
Motor	2 motors with front wheel drive. 300 WK - 1200 WP
Total maximum mass of user	80 kg
ISO 7176-15 5-b the mass of the test dummy used in the test	35,6 kg
Suspension	Yes
Optional extras possible	Yes
Standard colour	Black
Classification	Class B

**** Back height options depend on seat width. Dimensions are given in accordance with ISO 7176-7 Measurement of seat and wheel dimensions.



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