RACER EVO BODYMAP™

SPECIAL NEEDS STROLLER

USER MANUAL

Our passion – your independence!

BodyMap™
VACUUM SYSTEM BY ORTHODESIGN

5 906395 195138

CAUTION! Manufacturer takes responsibility for proper usage of the device only when the product was purchased from qualified Akces-Med employee or at specialized medical store!

CAUTION! AKCES-MED Ltd. reserve the right to introduce technical and trading changes in the content of the instruction without warning.

Medical product first class according to the Regulation 93/42/EWG of European Parliament and Council regarding medical products. For this product the producer issued relevant declaration of conformity.

Akces-Med. Sp. z o.o. Company introduced quality management system ISO 13485 regarding production, sales and service. The system is certified by Det Norske Veritas.

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INTRODUCTION

Special needs stroller **RACER EVO BodyMap™** is a special version of the Racer Evo on which you can install **BodyMap** cushions. Special upholstery was equipped with firm Velcro tapes on which we can fixed the **BodyMap** cushions. Cushions was designed and are dedicated for Racer Evo. In standard **RACER EVO BodyMap™** consists of 3 BM cushions: **BODYMAP A+**- Sitting positioning cushion with thigh abductor wedge and lateral supports,**BODYMAP B+** - Backrest cushion with lateral supports, **BODYMAP D** - Headrest.

Remember to read this user manual carefully. You will find not only useful information but also guidelines regarding safe and effective use of the product.

If you have any questions or remarks, do not hesitate to contact with us:

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Thank you for purchasing our product.

CAUTION! Before using the product, user is obliged to familiarize himself/herself with user manual. Remember that complying with guidelines is highly important. It assures safety and extends durability as well as aesthetics of the device.

1 THE PURPOSE OF USER MANUAL

The present user manual contains basic information which is essential for proper usage, preparation, maintenance, cleaning and guarantee conditions regarding **RACER EVO BODYMAP™** special stroller.

User manual should be kept in easily accessible place. It is designed for people who look after disabled children, and for both doctors as well as physiotherapists who operate the device.

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Remember that complying with guidelines is highly important. It assures safety and extends durability as well as aesthetics of the device.

2 INDICATIONS FOR USE

The device is recommended for people in the following c

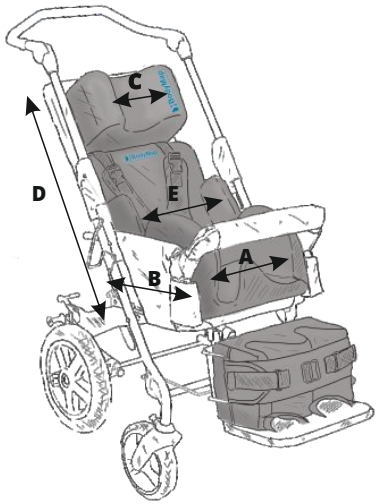
- Degeneration conditions.
- Brain and spinal cord disorders with paraplegia, hemiplegia, balance and motor coordination disorders.
- Demyelinating disease (e.g. multiple sclerosis – SM).
- Meningocele.
- Muscles diseases with weakness and paralysis (dystrophy, myasthenia gravis, myositis).
- Genetic disorders.
- Degeneration and metabolic disorders.
- After head and spinal cord injuries and spine trauma with paralysis and paresis with paraplegia especially
- Cerebral palsy – various types and form

3 GENERAL CHARACTERISTICS OF STROLLER

3.1 Standard equipment

1.Adjustable and ergonomically shaped handle
2. Backrest
3. BODYMAP A+
4.BODYMAP B+
5.BODYMAP D
6.4 points vest
7. Safety rail
8. Footrest with stabilizing belts
9.Clip for backrest angle adjustment
10. Folding mechanism
11. Safety frame
12. Pump
13. Pumped wheels
14. Front PU wheels with direction blockade
15. Electric dual-function pump
16. Leg separator equipped with shin belt

4 SIZE TABLE



Symbol	Measurement	Unit	Size 0	Size 1	Size 2	Size 3
A	Seat width (with BodyMap A+)	[cm]	24	27	30	37
B	Seat depth (with BodyMap A+)	[cm]	36	42	42	42
C	Headrest width (BodyMap D)	[cm]	15	18	20	20
D	Backrest height (with headrest BodyMap D)	[cm]	66-70	70-74	74-78	74-78
E	Backrest width (with BodyMap B+)	[cm]	26	28	33	37
	Footrests length	[cm]	30-33	31-36	37-45	37-45
	Footplate length	[cm]	20	20	22	22
	Push handle height	[cm]	106	106	106	106
X	Backrest tilt angle	[°]	90-125	90-120	90-145	90-145
Y	Seat tilt angle	[°]	10	10	15	15
Z	Footrests tilt angle	[°]	95-120	95-120	100-125	100-125
	Maximum user weight	[kg]	35	50	60	60
	Product dimensions and weight	**Unit**	**Size 0**	**Size 1**	**Size 2**	**Size 3**
	Width	[cm]	63	65	68	74
	Lenght	[cm]	107	128	145	145
	Height	[cm]	106	106	106	106
	After folding width	[cm]	63	65	68	74
	After folding length	[cm]	105	113	125	125
	After folding height	[cm]	50	52	58	58
	Weight	[kg]	23	25	28	33

5 DESRIPTION HOW TO USE STROLLER

5.1 How to unfold stroller

Follow these steps so as to unfold stroller:

STEP 1. Release clip that regulates backrest's tilt angle (fig.1),pull backrest (2) as backwards as possible (fig.2) and then block it with the aid of clip.

fig.1

fig.2

STEP 2. Pull handle backwards until elements of folding mechanism are slammed (fig.3). It is highly important to make sure that safety frame is lifted before folding mechanism is slammed. Next, move safety rail down (fig.4) once folding mechanism is slammed.

fig.3

fig.4

STEP 3. Mount safety rail: place it on stroller frame and block it by pressing simultaneously buttons that are situated on both sides of rail (fig.5);

fig.5

6.2. How to fold stroller

Please follow these steps so as to fold the stroller:

STEP 1. Dismantle safety rail by releasing buttons that are situated on both sides of rail. Next, pull out rail from stroller frame (fig.6);

STEP 2. Pull elements of folding mechanism (fig.7);

STEP 3. Lift safety rail and push simultaneously stroller handle (fig.8,9))

fig.6

fig.7

fig.8

fig.9

STEP 4. Release clip from backrest's tilt angle (fig.10) and push backrest (2) as forwards as possible (fig.11)

fig.10

fig.11

5.3. The adjustment of footplate length (9)

Please follow these steps so as to adjust footplate length:

STEP 1. Remove quick couplings situated on both sides of footplate (fig.12);

STEP 2. Adjust the height of footplate at your discretion (fig.13)

STEP 3. Insert quick coupling into holes.

fig.12

fig.13

5.4. The adjustment of tilt angle

Please follow these steps so as to adjust backrest's tilt angle:
STEP 1. Loosen clip from the adjustment for backrest tilt angle (fig.14);
STEP 2. Hold backrest and adjust it at your discretion;
STEP 3. Block clip

fig.14

5.5. The adjustment of footplate tilt angle

Lift slightly footplate so as to release footplate support from catches. Adjust tilt angle at your discretion and block footplate support in suitable catches (fig.15)

fig.15

5.6. Feet stabilizing belts

Feet stabilizing belts are equipped with Velcro tapes which make it easier to adjust them to patient's foot (fig.16).

fig.16

5.7 Vest

Connect clamps from vest with clamps from adjustable belts that are fastened both at the bottom and top of backrest (4 pcs.). Next, adjust vest to patient's body with the aid of belts.

It is highly important to adjust properly vest due to the fact that it protects the patient from falling out of the stroller and, moreover, patient can move without freely.

CAUTION! Each time before using vest, you should check if:
· Buckles do not stretch of the pressing force
· Buckles and belts do not move as a result of improper attachment

5.8 Wheel

RACER EVO BODYMAP™ special stroller is equipped with rear inflatable wheels and front PU swivel with direction blockade which are blocked with the aid of catch. It is possible to order PU rear wheels. In case of transportation, rear wheels can be dismantled: undo nuts and remove wheels from axle. Recommended pressure in tyres: 230 KPa (0,23 MPa)

CAUTION! Remember to comply with the guidelines concerning air pressure. If air pressure is not proper, it results in damages or even accident.

CAUTION! Do not lubricate the wheel bearings.

5.9 Hand brake

Stroller is equipped with two independent brakes for rear wheels

Press brake's lever (fig.17) so as to block rear wheels. Raise lever in order to unblock wheels.

fig.17

5.10 Safety rail

Chapters 'How to fold stroller' and ' How to unfold stroller' describe both assembly and disassembly of safety rail.

5.11 Adjustable handle

Handle can regulated by pressing the buttons situated on both sides of handle (fig.18). Release these buttons so as to block handle at chosen height.

fig.18

5.12 Leg separator equipped with shin belt

5.12.1. Place the separator on the foot plate and fix under the plate using velcro tapes.

fig.19

fig.20

5.12.2.Please follow fig.21-23 to know more how to fix the shin belt.

fig.21

fig.22

fig.23

6 THE ADJUSTMENT OF BODYMAP CUSHION

BodyMap™
VACUUM SYSTEM BY ORTHODESIGN

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In standard **RACER EVO BodyMap™** consists of 3 BodyMap cushions:

- **BODYMAP A+**- Sitting positioning cushion with thigh abductor wedge and lateral supports;
- **BODYMAP B+** - Backrest cushion with lateral supports;
- **BODYMAP D** - Headrest.

As accessories you can find in our offer: cotton cover in few different colours, Vismemo cover and aerating messaging pad.

Important: For correct stabilization of the patient in **BodyMap** cushions you need to pre shape it according to instruction you can find in **BodyMap** instruction manual. For more information you can also visit our YouTube channel where instruction movies can be found

7 THE USE OF STROLLER

CAUTION! RACER EVO BODYMAP™ stroller has to be used with compliance to guidelines included in this user manual. Remember to use the product only with someone who is trained and knowledgeable. Do not forget to prepare both product as well as patient before using **RACER EVO BODYMAP™** stroller!

7.1. Preparation of the patient

Before using the product, it is essential to make sure that:

- patient's outfit is light and comfortable sporty clothes are advisable;
- shoes should be comfortable and, moreover, they should stabilize ankle;
- due to hygienic reason and to avoid abrasion it is advisable for the patient to always wear clothes when using the device, skin must not be naked especially in places of regular contact with upholstery;
- drains, bags, catheters etc. if applied, have to be secured to function properly and not to disturb during using the product;
- if it is necessary for a patient to wear orthopedic supply (collar, corset, orthesis, shoes) if it is recommended by doctor.

CAUTION! Outfit should protect patient's skin from direct contact with upholstery as well as other parts of equipment.

CAUTION! Only doctor can make a decision concerning using any kind of orthopedic supply!

7.2. How to use stroller

1. Before use it is necessary to:
   - Unfold the device;
   - Place the device on even ground;
   - Make sure that all parts are serviceable, correctly mounted and stable;
   - Block brakes;
   - Adjust the device to patient's measurements;
   - Undo vest, trunk belts etc so as to place easily the patient is the device;
   - Place patient in the device;
   - Fasten all elements which stabilize patient e.g. vest, trunk belts, feet stabilizing belts etc.;
   - Mount additional equipment e.g. tray.

2. In case of patients who have problem with bladder, it is necessary to put special cloth on seat. This cloth can be purchased in pharmacy or medical shops.
3. It is essential to hold stroller with the aid of handle during using it otherwise stroller can roll.
4. Remember to place stroller forwards
5. In case of any obstacles such as step or curb, it is necessary to raise front wheels by pressing the handle down . Next, place front wheels on step and then raise back part of stroller with the aid of handle.

CAUTION! Before the product is used, it is highly necessary to make sure that all belts as well as safety equipment are correctly fastened as well as adjusted. What is more, check if they do not become undone due to the pressure and, moreover, make sure that clampings from adjustable elements are firmly tightened!

Equipment works correctly only when the device is adjusted according to patient's height as well as weight. Remember to take all these measurements into account while purchasing the product. Correct adjustment is the most important due to the fact that only then the product is safe. It is forbidden to force child to keep specific position because he/she will feel uncomfortable and it may lead to wrong posture.

8 SAFETY RULES

CAUTION! RACER EVO BODYMAP™ stroller has to be used in compliance with guidelines in this user manual.

It is highly important to consult either doctor or physiotherapist in order to make right decision concerning the choice of stroller and its size. It is also essential to familiarize with the guidelines described in user manual before using the device.

1. Before use it is necessary to:

- make sure that there are no damages or different faults which could endanger patient's life; check if all parts are working and are correctly mounted and, moreover, check if they are not broken;
- check if all screws, knobs and all glued, sewed or tapped parts are tightened;
- check if brakes are operating correctly;
- check if buckles are operating correctly;
- always use safety belts, Velcro tapes should overlap min. 8cm;
- adjust the device according to patient's measurements and needs e.g. the adjustment of pelottes , footplate etc.;
- make sure that all movable parts and knobs for adjustments are stable and locked;
- secure patient with the aid of elements such as vest, foot stabilizing belts, pelottes, abduction block, headrest. It is highly important to secure patient because it safeguards him/her from falling out. If abduction contracture occurs, it is recommended to use abduction block in order to prevent ulcers between knees.

2. It is forbidden to use stroller for different purposes that it is intended to.
3. It is forbidden to use stroller when it is damaged or any part is missing.
4. It is forbidden to leave the patient unattended.
5. Stroller should be used only when there is someone who is trained and knowledgeable.
6. It is forbidden to leave stroller and the patient on unstable ground unattended, even if the brake is engaged.
7. It is forbidden to either go up or down the stairs; it doesn't matter if the patient is placed in the device or not.
8. It is important to engage brake during getting into and getting out the stroller.
9. Make sure that all limbs are not close to spokes or other adjustable elements.
10. Although the device and the upholstery are made of fire-resistant materials, please pay your attention when approaching to sources of fire or sources of high temperature during using the device. Moreover, stroller shouldn't be stored in rooms with high humidity.
11. Secure stroller during transportation in order to avoid any possible damages. Manufacturer doesn't take responsibility for damages which appeared due to improper preparation of the device during transportation.

CAUTION! It is forbidden to place the patient in the device while being in car, bus or train.

CAUTION! The product contains small parts which children may swallow.

CAUTION! It is forbidden to make any changes concerning stroller 's structure due to the fact that it is dangerous and it results in loosing warranty.

CAUTION! The weight of user should not be bigger than maximal weight described on page 7 where you will find information regarding this issue.

1) AKCES-MED Sp. z. o. o sells products free from manufacturing defects or faults.
2) Manufacturer gives the purchaser 24-month guarantee from the date of purchase. All defects revealed during warranty period will be repaired free of charge.
3) All defects which appear after warranty period can be repaired only when the user will pay for it. This rule doesn't apply to refunded products - user can ask National Health Refund for refund.
4) Manufacturer claims that the product can be used for 48 months. User can use this product after this period only when he/she will send the device to manufacturer so as to service it. Next, manufacturer determines again how long the product can be used and, moreover, the date of the next service will be determined.
5) If product is damaged, please contact our dealer or AKCES-MED customer service (ph. 17/864 04 70)

9 MAINTENANCE AND CLEANING

Stroller should be kept clean and used in compliance with the manufacturer's recommendations. The device should be kept in clean, dry and ventilated room. Maintenance as well as cleaning have to be performed at least once a month. Regular cleaning and maintenance of stroller are indispensable to maintain its correct functionality as well as safety.

It is highly advisable to remember about proper maintenance in order to extend product's aesthetics. So as to do that, it is essential to comply with these guidelines:

1. It is recommended to clean upholstery with the aid of cleaning product, soft sponge and warm water. If you use sponge which is too wet, stain may get bigger, upholstery may be destroyed. It is necessary to remember that the excess of dampness should be removed from fabric before next cleaning. Please rinse upholstery with warm water and clean white cloth once stain is removed.
2. It is forbidden to soak upholstery!
3. It is forbidden to clean upholstery with the aid of hard brushes.
4. It is forbidden to clean upholstery with strong chemical agents such as solvent or caustic chemicals.

CAUTION! Akces-MED. Sp z o. o takes no responsibility for damages caused by use of wrong clearing agent.

5. It is forbidden to soak upholstery during cleaning. Remember that upholstery has to be always dry before using.
6. It is forbidden to clean, make any changes and maintain wheelchair during using it.
7. All metal as well as plastic elements should be cleaned by hand with the aid of general cleaning products. Remember to familiarize yourself with cleaning product's leaflet.

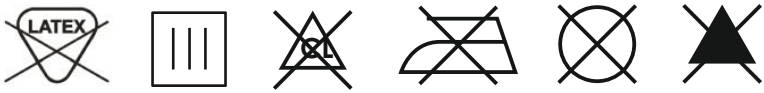
CAUTION! Remember that upholstery has to be always dry before using!

Before using it is necessary to:

- clean wheels;
- check if base as well as wheels are correctly mounted; check if brake stops turning wheel;
- make sure that all wooden parts e.g. tray don't have splinters;
- check if wheelchair construction is free of breaks or any kinds of deformities;
- check if all movable parts are working and all screws, nuts, knobs etc. are correctly tightened;
- check if belts, vests, trunk belts, feet stabilizing belts etc are not frayed; check if buckles and clamps work correctly.

CAUTION! Manufacturer takes responsibility only for hidden faults or damages which appeared despite the fact that user complied with the guidelines.

CAUTION! In case of any damages, it is essential to contact the person who sold you the product.



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Our passion – your independence!