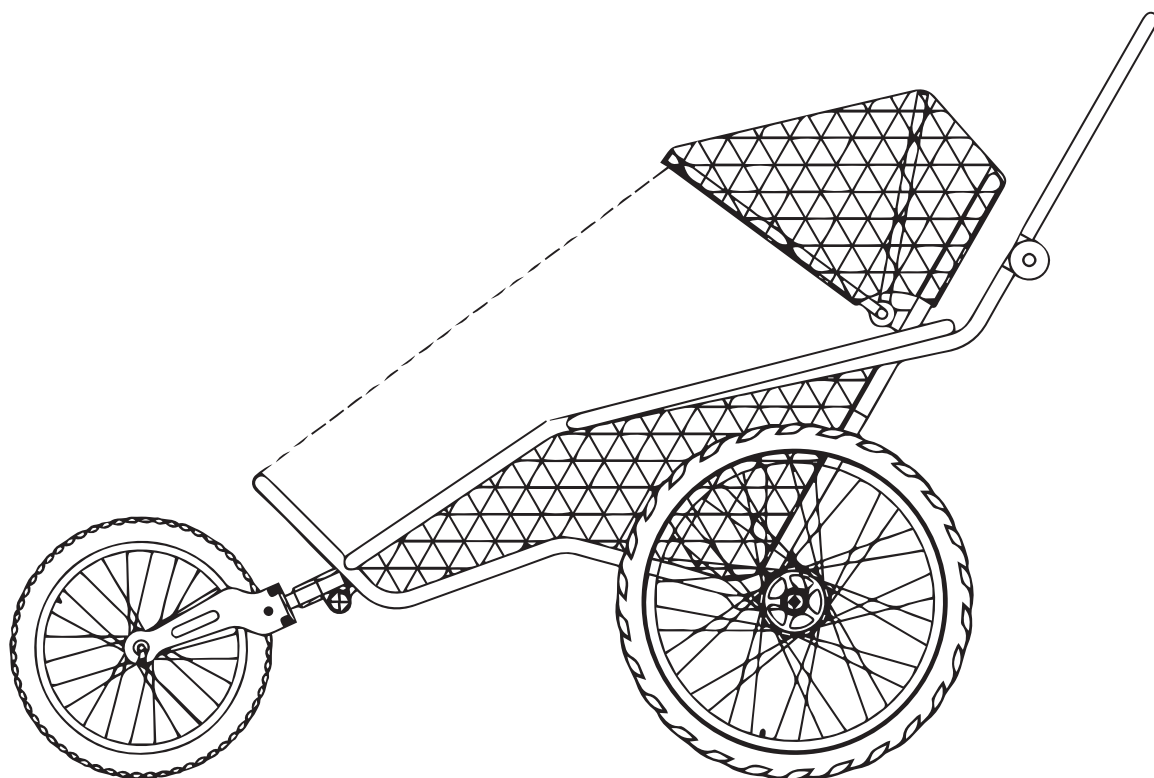


# **iXROVER**

BORN TO MOVE



## **OPERATION MANUAL**

# iXROVER Model S, Model M, Model L

## SPORTS MOBILITY SYSTEM FLORIDA LLC

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Thank you for purchasing the multifunctional iXROVER stroller and we believe that it will serve you for a long time.

### The multifunctional stroller can be used as:

- 1/ Standard baby buggy
- 2/ Bike trailer
- 3/ Sports buggy for running, inline skating, tourism, and other activities

## NOTICE

Please read this operation manual carefully before using the iXROVER stroller.

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## Description of the main components of the stroller



- |  |  |
|--|--|
| <b>A</b> – height adjustable handle  | <b>L</b> – mount for fixing mosquito net and windstopper |
| <b>B</b> – brake lever with parking lock                                   | <b>M</b> – clamps of front axle and bar                  |
| <b>C</b> – foam plastic coating of handle                                  | <b>N</b> – front axle, front wheels hub                  |
| <b>D</b> – place for fixing additional bags (hip pack)*                    | <b>O</b> – 14" front wheel fork*                         |
| <b>E</b> – joint for adjusting handle tilt                                 | <b>P</b> – 14" front fixed wheel*                        |
| <b>F</b> – rear reflector  | <b>Q</b> – front safety arch with footplate              |
| <b>G</b> – protective sides with reflective tapes and internal pockets     | <b>R</b> – cyclocomputer                                 |
| <b>H</b> – rear transport bag for stroller accessories net and windstopper | <b>S</b> – safety 5-point belts with shoulder straps     |
| <b>CH</b> – 20" rear wheel with drum brakes                                | <b>T</b> – internal fixation insert with headrests*      |
| <b>I</b> – 20" wheel hub with water level                                  | <b>U</b> – internal Velcros on hood for fixing mosquito  |
| <b>J</b> – bike towing bar (with fender)*                                  | <b>V</b> – removable hood                                |
| <b>K</b> – stroller seat with fixing elements                              | <b>W</b> – rear safety arch                              |

\*These components may not be parts of some modifications in the standard equipment of the model or they can be of a different type.

# GENERAL NOTICES

This manual contains a number of WARNINGS and NOTICES. Incorrect assembly or incorrect use of the stroller may lead to serious or fatal injuries of passengers or operating persons.

- Car seats placed inside the stroller and any other seats must be fixed with additional straps.
- Do not make any modifications on the stroller.
- The stroller may become unstable if a bag or net not approved by the manufacturer is attached to it.
- Avoid contact of the moving parts of the stroller by any part of children's and other passengers' bodies, clothes, laces or toys.
- Never leave children and other passengers in the stroller unattended.
- Failure to follow the instructions may lead to a serious or fatal injury of you or your passengers.
- The maximum load capacities of strollers are described in chapter "Technical data", page 4.
- Do not use individual models for passengers exceeding the specified weight limit.
- Do not use chemical cleaning agents. Only clean with mild soap and water.
- Passengers must always use the straps and sit in the middle.
- The maximum tyre inflation pressure is shown in the technical specification; a lower pressure may cause worse driving properties, a higher pressure may cause a flat tyre or tyre damage.
- Be careful during assembly and disassembly and avoid squeezing your fingers, parts of clothing or other undesired objects.

## **When using the stroller in the version for running, tourism and as a baby buggy, pay attention to the following:**

- Always use the safety wrist strap which must be fixed firmly to the frame of the stroller.
- At standstill, always apply the parking brake. See Page 21, Figure 26.
- The maximum load capacity in the rear storage space 11 lb (5 kg) + other stored components of the stroller. If the bag is overloaded, the stroller may become unstable.
- Always use additional inserts for children (persons) who cannot sit upright without support.
- Always make sure that also the rear axle alignment is adjusted correctly after any handling and modification of the front axle of the stroller, see Chapter 2, page 17.

## **When using the stroller as a bike trailer, ensure the following:**

- Reflectors, reflecting and signaling elements meeting the regulations must not be removed from the stroller and must be in original positions at all times.
- Before each ride, make sure that the coupled stroller or its parts do not extend to the brakes, pedaling or driving of the bicycle.
- Never ride the bike at night without the appropriate lighting. Always follow the local traffic laws, orders and regulations for bike trailers.
- Ride extremely carefully so that you can adjust the speed of the whole set to the current riding conditions at any time.
- Using the stroller changes the stability and braking and driving properties of the bicycle.
- Always use the flag to ensure that you are more visible by others.
- Always use the mosquito net correctly fixed to the stroller.
- Always use additional inserts for children (persons) who cannot sit upright without support.
- Passengers are advised to wear bicycle helmets approved by CPSC or CE.

## TECHNICAL DATA

- The stroller is primarily designed for transport of persons, but it can also be used for transport of loads up to the weight according to the technical data for the given size of the stroller. The drive or movement is provided solely by another person (other persons), preferably by pushing (at the handle of the stroller) or pulling (bike towing bar, towing rope fixed to the eye of front axle or towing set for summer or winter use); the frame of the stroller is designed also for the possibility to be carried at the outer tubes (after removing the cloth fenders).
- The manufacturer provides models “**S**” – small, “**M**” – medium and “**L**” – large. The sizes only differ with the frame and cloth covering, the other components remain identical in all sizes.

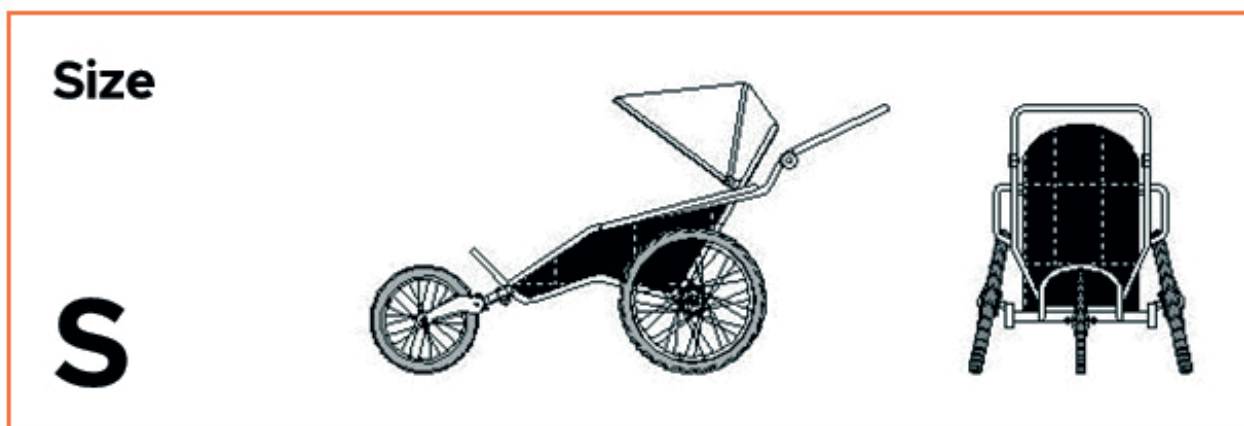


Figure 1A – Model S

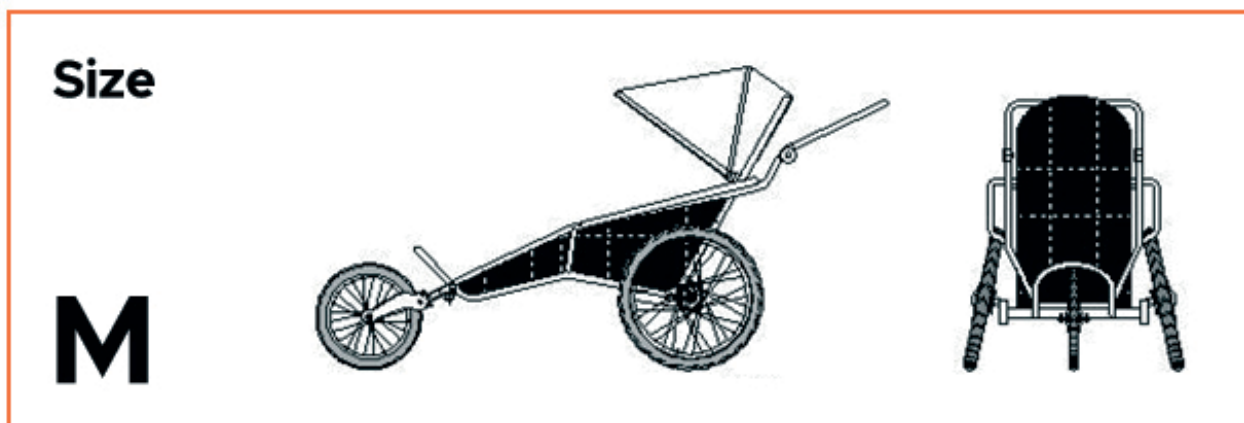


Figure 1B – Model M



Figure 1C – Model L

	Model S	Model M	Model L
<b>Frame weight:</b>	7.9 lb	9.0 lb	10.6 lb
<b>Frame material:</b>	aluminum alloys EN AW 6060, 6061, 6082		
<b>Curb weight: (depending on installed components and equipment)</b>	29.5 lb (size "S" + 6" front wheel + hood)	33.0 lb (size "M" + 6" front wheel + canopy)	48.5 lb (size "L" + 6" front wheel + canopy)
<b>Wheel gauge (track width):</b>	ca. 30 in (guaranteed passage through 31.5 in door frame)		
<b>Wheel-base (rear axle – cross tube of front axle):</b>	25.39"	33.27"	41.14"
<b>Parameters of transported person:</b>	110.23 lb / 47.24"	176.37 lb / 59.06"	264.55 lb / 72.83"
<b>Maximum load of the trolley:</b>	132.28 lb	198.42 lb	308.65 lb
	Transported person + other items in additional bags or directly inside the stroller (max. payload). Weight or load distribution of the stroller/trolley must be divided in proportion max. 30/70 %, 70 % of the weight must be in the rear part (in the center of the seat above the rear wheel axle).		
<b>Rear wheels:</b>	20" with integrated 0.23" drum brakes		
<b>Rear wheel material:</b>	plastic or aluminum center and rim, steel wire spokes	aluminum center and rim, steel wire spokes	aluminum center and rim, steel wire spokes
<b>Rear wheel tyre:</b>	20 x 1.75 (47–406)		
<b>Rear wheel tyre inflation: pressure:</b>	3.1–4.2 bar, car tyre valve. Max. pressure in one tyre 4.2 bar!		
<b>Front wheel 1:</b>	14"		
<b>Front wheel 1 material:</b>	plastic or aluminum center and rim, steel wire spokes	aluminium center and rim, steel wire spokes	aluminium center and rim, steel wire spokes
<b>Front wheel tyre 1:</b>	14 x 1.75 (47–254)		
<b>Front wheel inflation pressure 1:</b>	2.8 bar, car tyre valve. The max. pressure in one tyre 2.8 bar!		
<b>Front wheel fork 1:</b>	fixed around vertical axis – suitable for off-road, jogging, inline skating, etc., and for higher speeds		
<b>Fork material 1:</b>	aluminum alloy EN AW 2017		
<b>Front wheel 2:</b>	6"		
<b>Front wheel 2 material:</b>	aluminum center		
<b>Front wheel tyre 2:</b>	full rubber (not inflated)		
<b>Front wheel fork 2:</b>	rotating around vertical axis – suitable as a baby buggy on hard surfaces and for lower speeds		
<b>Fork material 2:</b>	aluminum alloy, glass-filled plastic		

**Other important properties:**

- The front and rear frame arches protect the transported person's head and body in case the stroller is overturned/overthrown;
- The rear axle wheel camber by 10° ensures extreme stability against a side overturn of the stroller;
- Safety belts with five-point safety buckles;
- To achieve the maximum service life, all fastening materials are made of stainless steel A2
- An installed and integrated bag for accessories and personal items; it can be removed and used as a full-valued rucksack (including shoulder straps);
- The installed wireless cyclocomputer (8 functions) enables you to measure the current speed or distance covered;
- Possibility to modify the handbrake from the right to left version.

**Optional accessories:**

- Mosquito net
- Windstopper – protective covering against adverse weather conditions (wind, snowing, dust, etc.)
- Waterproof
- Transport bags for transport of the folded stroller and removed wheels
- Hip pack
- Handbag
- Winter sleeping bag
- Brake lever in right (standard) or left (optional) version
- Collapsible handle in standard or extended (optional) version
- Other accessories can be changed according to the manufacturer's current offer

## MAINTENANCE, CARE AND STORAGE OF STROLLER

**Maintenance of the bike hitch**

- Before each ride make sure that the hitch and safety strap are connected properly.
- Regularly check that the hitch is not damaged, broken, etc. Replace it in the case of the first sign of damage.
- Any damage/break of any part of the iXROVER stroller should be repaired/replaced immediately to prevent any personal injuries.

### NOTICE

The colors of the covering and other parts of the stroller may change due to the weather, sunlight and atmospheric exposure.

**Care for the covering/hood**

- Your iXROVER stroller is made of a durable, strong, waterproof fabric – Kortexin™ or Cordura™. Clean the covering only with ordinary soap or a mild cleaner and warm water. Let air dry.

**Wheels and central axes**

- We recommend having the wheels (rear 20" and front 14") checked by a standard bicycle repair shop at least twice a year. For safety reasons, make sure that the wheel spokes or central axis are not loose before each use of the stroller.



## Wheel frame and mounting

- Regularly check that all nuts and bolts are tightened properly.

## Storage

- Store the stroller in a dry and well-ventilated place. Before storing, make sure that the stroller is dry; this will prevent it from becoming moldy. If the stroller is not in use, protect it against sunshine; this will prevent it from discoloring. Do not store the stroller coupled to the bike. Check all parts of your stroller before each use!

# NOTICE

## SAFETY INSTRUCTIONS

Important rules for safe use of your iXROVER stroller.

1. Read carefully all instructions before using the stroller! Incorrect understanding and failure to follow these instructions may lead to an otherwise avoidable accident at which you and/or your passengers may sustain a serious or fatal injury.
2. Safe and correct use of this product is your responsibility! Before using your stroller, take a trial bike ride, go for a walk or run or hike with the stroller loaded (to more than the expected weight of passengers with load) to assure that you will handle the loaded stroller during each of these activities. Be extremely careful when operating the stroller off roads. Apart from the safe ride principles, always follow the rules stated below.
3. Make sure that your bike is in good operating condition. We recommend carrying out regular safety checks by a certified bicycle mechanic.
4. Do not modify the stroller and bike. If you are not sure whether your bike is compatible with the stroller, contact the seller.
5. Transported persons must be fixed appropriately in relation to their age, handicap or physical needs. If required, the manufacturer can modify the stroller according to passengers' individual needs.
6. Do not exceed the maximum allowable loads of strollers/baby buggies – this applies to each model separately, see page 5, Technical data. This weight is the highest allowable load capacity of the seat including load. Objects transported in the stroller must be properly fixed to prevent them from moving during ride. An unstable load and overloading cause worsening of the stability and driving of the stroller.
7. Always safely and firmly fasten the straps around the shoulders, waist and crotch of the passengers. Regularly check the position of the shoulder strap. Make sure that passengers cannot put their fingers in the wheel spokes. Passengers must not jump, swing and lean in the stroller.
8. Keep an eye on the passengers in the stroller at all times.
9. For a smooth ride, keep the tyre-tubes of the stroller inflated to the recommended pressure shown on the tyre side or on page 5, Technical data. Check the pressure in the tyre-tubes before each use. Over-inflated tyre-tubes may break and cause an accident of the stroller. Under-inflated tyre-tubes wear significantly and change the driving properties of the stroller.
10. Only use the stroller with motor-less bicycles capable to tow the extra weight of the stroller with a passenger. Do not use the stroller with electric bikes, motorcycles, mopeds, cars, and any other motor vehicles. Check in the instructions for your bike or with the vendor that your bicycle is compatible with the stroller.
11. Do not use a stand or any other parking aid to support your bike with the coupled stroller. The coupled stroller may change the bicycle balance and cause that the stand is non-functional. In a fall, the bike and the stroller could be damaged.
12. Always use the flag provided with the cycling set to increase your visibility. Do not presume your right of way. Do not use your stroller in areas with heavy traffic such as busy streets or in any places where riding the stroller could be unsafe.
13. Avoid riding at night. Your ability to see and to be seen is impaired considerably. If you have to ride at night, use the appropriate lighting on your bike and wear bright reflective clothing. The stroller is equipped with many reflective elements.
14. Both the cyclist and passengers should wear approved bicycle helmets.
15. When riding the stroller on public roads, always follow all traffic regulations and use the correct signalling. You are obliged to follow the Road Traffic Act (Act No. 361/2000 Coll., on road traffic).
16. Every time you stop the stroller, secure it against movement by applying the handbrake, see Chapter
17. Always use the protective mosquito net when using as a bicycle stroller, see Chapter 9.2.
18. Textile, plastic and rubber components of the stroller can catch fire if they are in contact with open fire. Avoid open fire and do not make fire near the stroller. The stroller is tested and it is resistant to fire according to norms ČSN EN 1888:2012 and ČSN EN 15918:2013, however it is not completely fire resistant!

## WARNING!

**Bicycle strollers could overturn and cause a serious injury to the passenger/cyclist.**

**An obstacle crash of the bike could cause an overturn of the stroller at the minimum speed.**

## NOTICE

YOU WILL ALWAYS FIND ALL IMPORTANT NOTICES ON THE STROLLER IN THESE PLACES!  
MAINTENANCE SYMBOLS ARE ON EACH SEPARATE COMPONENT.  
THE NAMEPLATE OF THE STROLLER IS LOCATED ON THE RIGHT SIDE OF THE REAR AXLE!



# 1. Assembly and disassembly of the stroller

The stroller uses quick-acting components so both its assembly and disassembly can be performed in a few dozens of seconds.

## 1.1 Rear axle

The rear wheels are fixed using quick-acting half-axes. By pressing the cap on one end of the axle the lock on the opposite side is released and the axle can be slid in/out the rear wheel hub.



- 1 – Push
- 2 – Locking balls release

Figure 2

### 1.1.1 Assembly

is to be started by inserting the half-axle in the rear wheel hub – slide the axle fully in the rear wheel hub.



Figure 3 - press the cap to unlock the lock



Figure 4 - slide the axle in to rear axle block.



Figure 5



Figure 6

Insert the assembly fully into the block, release the cap and make sure that the wheel is secured in the block safely.



Figure 7



Figure 8

Use the same procedure to install the other rear axle wheel. Both rear wheels are fully interchangeable; if you have a cyclocomputer installed, the wheel with the magnet must be installed on the left-hand side (when looking from the back).



Figure 9

### 1.1.2 Disassembly

Disassembly is to be performed in reversed order;

**A** – grasp the rear wheel at the central hub, **B** – press the half-axle cap and, **C** – fully release the wheel by pulling.



Figure 10

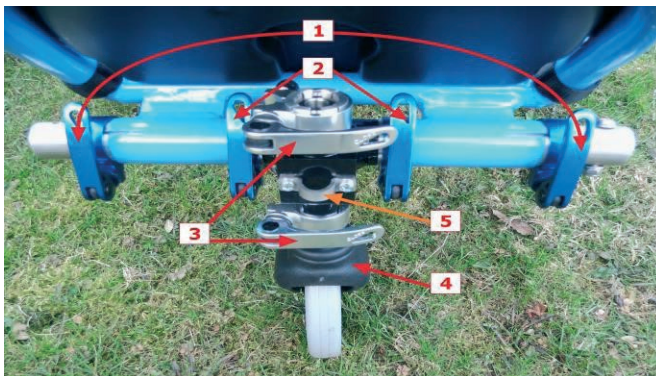
For the subsequent transport, both dismantled rear wheels can be jointed together using one half-axle; keep the other half-axle carefully not to lose it, preferably in one of the storage bags on the stroller.

## 1.2 Front axle

The front wheels with forks are fixed to the stroller with quick-acting clamps. Loosen the lever to unlock the clamp, tighten it to lock the clamp; locking can be regulated by tightening or loosening the nut on the opposite end of the bolt. Handle the nut only by hand when the clamp is unlocked.

The front axle assembly contains six quick-acting clamps; the two horizontal ones serve for fixing the fork with the front wheel, the inner vertical pair serves for adjusting the fork tilt and the outer vertical pair serves for fixing and adjusting the cross tube of the front axle. Additional towing devices can be fixed to the outer ends of this tube.

The whole assembly is delivered in assembled and adjusted state; the owner only fixes the selected front wheel with fork and adjusts the required fork tilt.



1. Fixing the position of the front axle cross tube
2. Adjusting and fixing the front fork tilt
3. Front fork attachment
4. Front fork with 6" swing wheel
5. Towing eye

Figure 11

### 1.2.1 Assembly of the front fork with wheel

Loosen both horizontal clamps on the front axle block and slide the fork extension in the hole in the block. The clamps are fixed to the block also in loosened state with the mount engaged in the block slot. This prevents the clamp from slipping off or losing. The clamp can only be removed from the block using a special tool.



Figure 12

Turn the extension in the hole so that the pin (protruding dowel screw, Fig. 13 and Fig. 14, point 2) engages in the recess in the front axle block and fully slide the extension in the block.

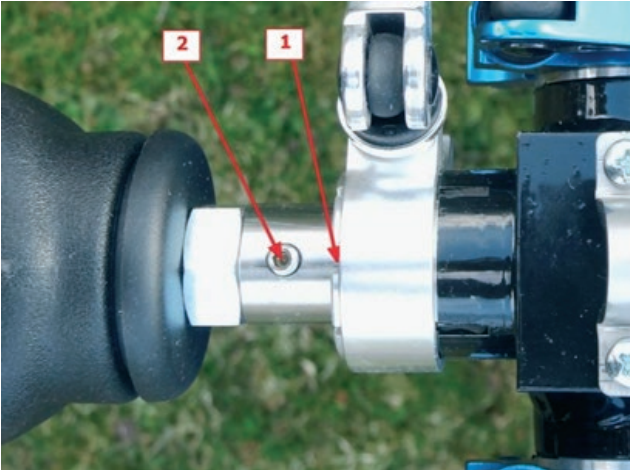


Figure 13



Figure 14

Turn both horizontal clamps to the appropriate position so that the levers do not collide with the levers of vertical clamps. Lock both horizontal quick-acting clamps.

### 1.2.2 Disassembly of the front fork with wheel

Loosen both horizontal quick-acting clamps (Fig. 11, point 3) and (Fig. 12). Take the front fork extension out of the front axle block.

### 1.2.3 Removing the front wheel from the fork

The 14" front wheel is fixed to the fork with a quick-acting axle. For transport or service reasons, it may be necessary to remove the wheel from the fork.



Figure 15: Locked



Figure 16: Released

Loosen the lever of the quick-acting axle. The axle ends engage in the recess in the fork, so even if the lever loosens accidentally during ride, the wheel will not fall out of the fork.

To loosen the wheel it is also necessary to loosen the nut on the opposite side of the axle by a few turns. The wheel can then be removed from the fork. The place for storing this wheel with fork is in the rear pocket of the rear bag on the stroller.



Figure 16

Figure 17



Perform assembly in reverse order.

The 6" wheel is fixed in the fork with an Allen head bolt with nut which serves also as the axle. If necessary, this bolt can be loosened and the wheel removed.

## 2. Adjusting the required alignment of the stroller

Select the required **front wheel** and fix it along with the fork to the front axle block (for the procedure see above). The block is symmetrical, it can be used from both sides if necessary.

Loosen the inner pair of vertical quick-acting clamps on the front axle.

Turn the wheel with fork to the required position. The tilt of the whole stroller can be changed by selecting the wheel size and turning the fork. In this way the maximum comfort of the transported person can be ensured.

Turn the inner pair of vertical quick-acting clamps so that their levers do not collide with the vertical clamps. Lock the levers of the inner pair of vertical quick-acting clamps. The front block is now firmly fixed to the cross axis of the front axle.

The 6" front wheel can be positioned in the following range:



Figure 18

The 14" front wheel can be fixed in the following range:



Figure 19: stroller seat tilt: **1** – sitting position;

**2** – lying position

The alignment of the rear axle must be adapted to the set tilt of the stroller to compensate for the possible toe-in or toe-out of the rear wheels. The wrong alignment causes an increased exertion and an increased wear of the rear wheel tires; in addition, an asymmetrical adjustment could cause slide-slipping when moving forwards or other problems with the traction of the stroller.

Place the stroller on a **hard level** surface. The rear axle block is fixed with a quick-acting clamping bolt on the axle. Loosen the clamping bolt lever.

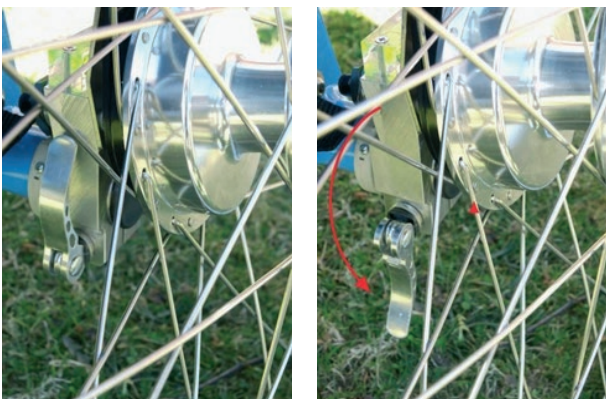
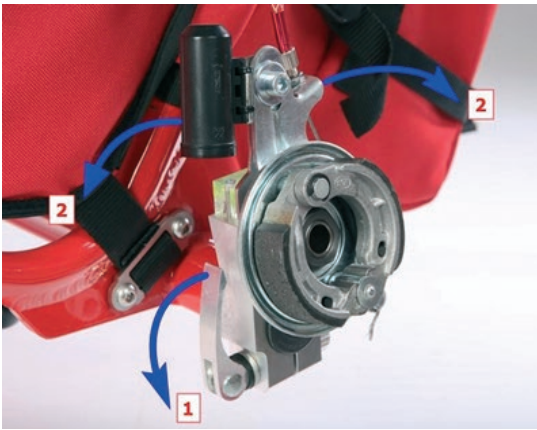


Figure 20

Turn the block with the brake on the rear axle in such a way that the bubble in the built-in spirit level is between the marks. The spirit level is on the top of the block behind the brake carrier and is best accessible when looking from the back of the stroller.

Owing to precise manufacturing tolerances, it is relatively hard to turn the rear axle block even with the quick-acting clamping bolt loosened; when the lever is locked, the block is then fixed on the axle firmly and reliably. When checking the block position setting, the stroller must stand stably on all three wheels.





- 1 – rear axle block/hub lock release
- 2 – rear axle block trimming

Figure 21

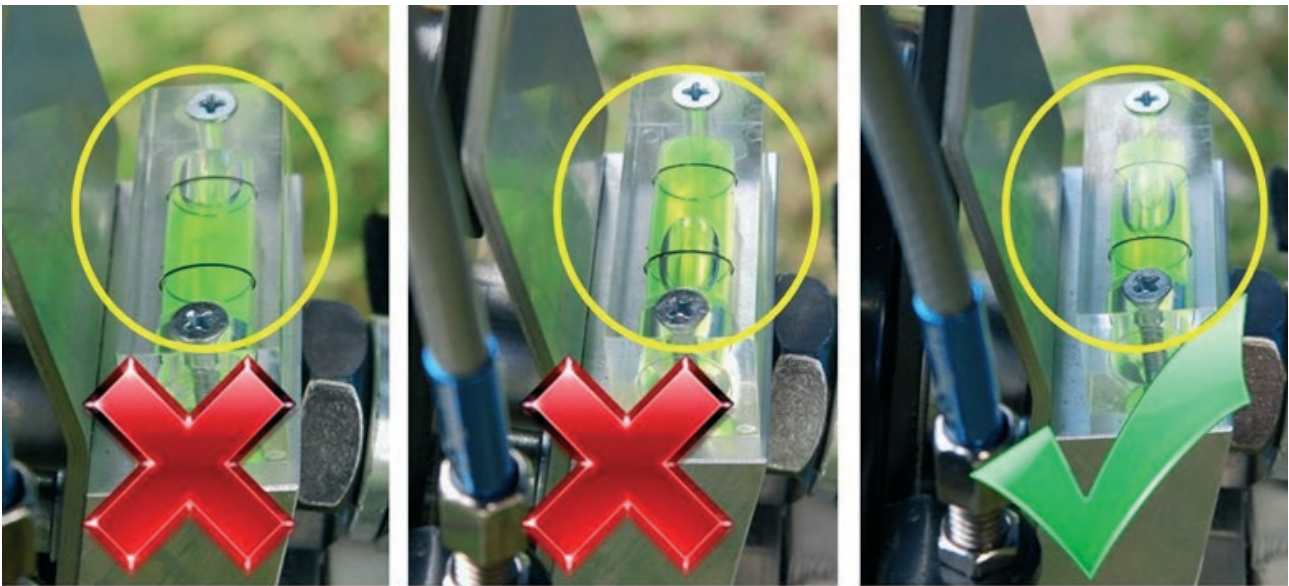


Figure 22

After the block is set to the correct position, lock again the lever of the quick-acting clamping bolt. Repeat the same procedure with the other wheel.

Finally, recheck the alignment according to the spirit levels on the left and right blocks. The correct alignment is a guarantee of excellent driving properties of the stroller.

### 3. Brake adjustment

Both drum brakes are operated simultaneously with one double brake lever; its locking pin enables you to use the brake also as a parking brake. The brake lever is located on the handle of the stroller. Adjustment of the same effect of both brakes is very important to maintain the straight travel direction of the stroller when braking. Due to long-term use, the cable lengths change and it is necessary from time to time to adjust the brakes individually to the same braking action on both wheels. Significantly worn cables must be replaced.

The basic adjustment is performed with the clamp bolt with nut on the brake moving lever.

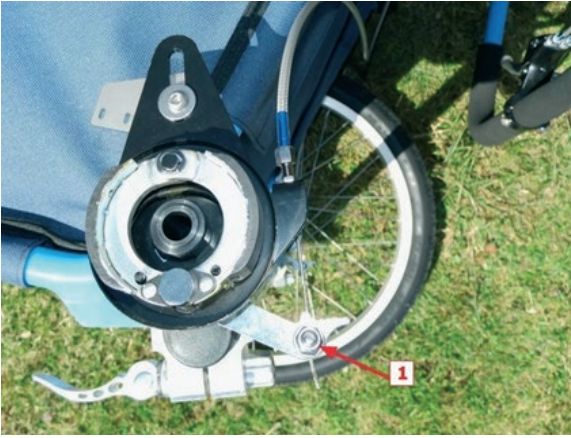


Figure 23 - Bolt for basic brake adjustment

Fine adjustment can be carried out 1 – with the locking ends on both ends of the outer sheath of the brake line.

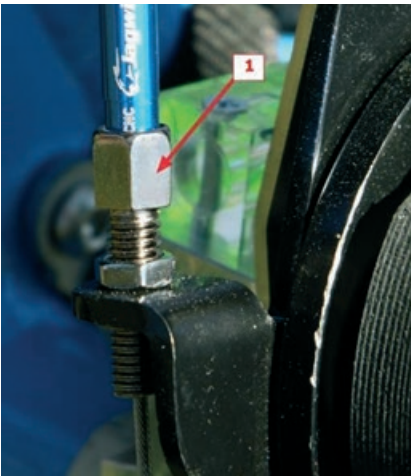


Figure 24

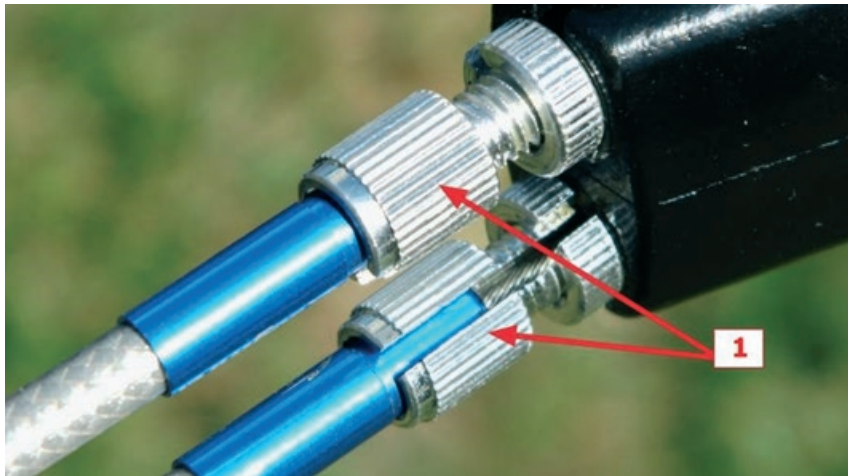


Figure 25

The braking action is controlled by the force of pressing the brake lever. Drum brakes provide a wide range of braking action from gentle braking to adjust speed to strong braking to quickly stop the stroller.

By strongly pressing both the brake lever (Fig. 26, point **1**) and the locking pin (Fig. 26, point **2**) simultaneously the brake will be blocked and the stroller is braked continuously (parking brake). This mode prevents the stroller from starting spontaneously.

By strongly pressing the brake lever (Fig. 26, point **1**) again, the locking pin and thus the whole system is released; after releasing the brake lever the stroller is fully braked off and can move freely.

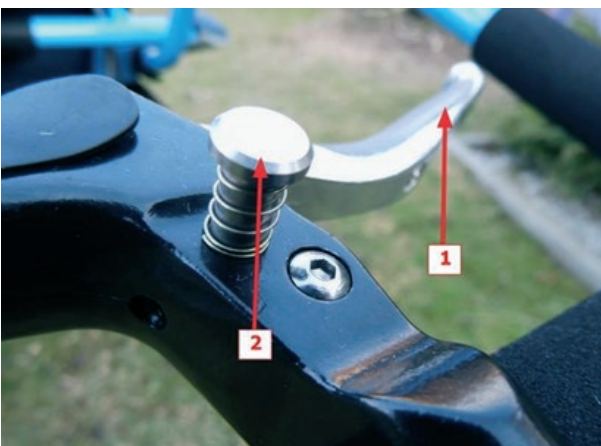


Figure 26: A – parking brake deactivated;



B – parking brake activated

### 3.1 Locking additional parking brakes

To ensure maximum stability of the stroller in parking/stationary position (mainly if transported person is inside) it is always necessary to use additional parking brakes, which are located on frame tube on both sides above rear 20" wheels, Fig. 27.

They work independently, therefore it is always necessary to apply both brakes (right and left).

Parking stability of the stroller is not guaranteed if only one brake is engaged or if brakes are not locked correctly.

In order to apply the brake, grasp it (Fig. 28, point 1) and by moving the lever UPWARD the brake locks in (Fig. 28, point 2). You will hear a click of the blocking pin on the tyre. Pull firmly the lever until it stops, it locks in as you hear the click.

By moving the lever DOWN the brake releases/unblocks and the tyre is free to turn (Fig. 28, point 3). Press the lever all the way until the blocking pin of the tyre is in maximum open position.

**Always press the lever to the maximum in both directions.**



Figure 27: **A** – additional parking brake LEFT

**B** – additional parking brake RIGHT



Figure 28: **1** - grip additional parking brake

**2** - brake is fully engaged

**3** - brake is released

## NOTICE

When you stop the stroller in traffic, always ensure that it is braked correctly! Especially when there are passengers in it and you leave the stroller without direct attendance and without the strap fixed on your wrist.

## 4. Handle

The stroller is equipped with a height adjustable handle. In the area of contact of hands with the handle, it is provided with foam covering for comfortable handling. To transport the stroller or to use towing devices, the handle can be folded down fully to lower the outer profile dimensions of the stroller.

The setting can be changed by simultaneously pressing BOTH grey buttons on the sides of the handle joint. The joint has several fixed positions; after releasing the grey buttons, the handle will be fixed in that position. The handle position does not affect the brake function.

**NOTICE:** Due to the possibility to individually adjust the handle position and tilt, this is provided with robust positioning joints. These joints can have slight clearances in individual fixed positions in both motion directions. This clearance is not a production defect and does not prevent the stroller from operating at full load.



Figure 29

### 4.1 Handle with metal joints TH 900

Stroller, model iXROVER M, is fitted with robust metal joints as standard. Joints TH 900 will add very high stability to the handle, almost without clearance.

It is possible to use the joints even in extreme conditions. Thanks to a gradual rotation of the central part of the joint, the position of the handle can be set at practically any position and angle within the whole extent of the joint – approximately 180°.

The position of the handle is fixed by tightening upper butterfly nut. By loosening both nuts it is possible to set the handle at any desired position and again fix it by tightening nuts (Fig. 31). Always loosen both nuts before adjusting the handle and after finding and setting the desired position check if these nuts are properly tight.



Figure 30

Figure 31: Stroller equipped with metal joints TH 900

## 5. Hood

The stroller is equipped with a removable hood to increase the comfort of transported persons and their protection against adverse environmental effects (rain, wind, snow, sunshine, etc.).

The hood frame shape can be adjusted; the shape can be changed by simply pressing by hand in the required direction.



Figure 32

The hood can be removed completely; this is done by simultaneously pressing the red button on the side of the hood joint and pulling the frame upwards in the direction of the guide rail.



Figure 33

Remounting the hood is done by placing the joint in the rail lead and moving the frame downwards until the red lock engages in the rail recess. Jumping-out of the red button indicates that the limit position has been reached and that the joint is locked in this position.

Mounting of the hood is easier when it is folded up. It is important that the cloth covering of the hood is mounted from the rear of the upper arch of the frame of the stroller and before it is unfolded the covering position is adjusted so that the covering can be stretched correctly

## 6. Fastening the transported person

For this purpose the stroller is equipped with safety straps fixed to the frame of the stroller. For a better comfort, the shoulder straps are provided with soft sleeves; the position of these sleeves is adjustable from the back of the stroller by extending or shortening the connecting strap.

All straps are connected with a certified 5-point buckle which can only be unbuckled by successively pressing individual circular elements on its body. This significantly reduces the risk of undesired complete unfastening of the transported person.





Figure 34

**WARNING:** Incorrectly fastened straps may lead to a serious or fatal injury of passengers in the case of an accident.

## 7. Carrying the stroller with load

If necessary (heavy terrain, damage of wheels, emergency situation, etc.), the outer protective frame can be used as a handle for carrying the stroller with load; the frame is dimensioned for this use. The suitable length of handles allows finding the optimum balance for grasping and carrying the stroller. It is not necessary to install any wheels in this type of use. Two persons are required to carry the stroller.

Remove the cloth fenders from the stroller from the inside of the stroller outwards. Release all Velcros and straps with clips and remove the fenders. Dismantle the wheels, if necessary.

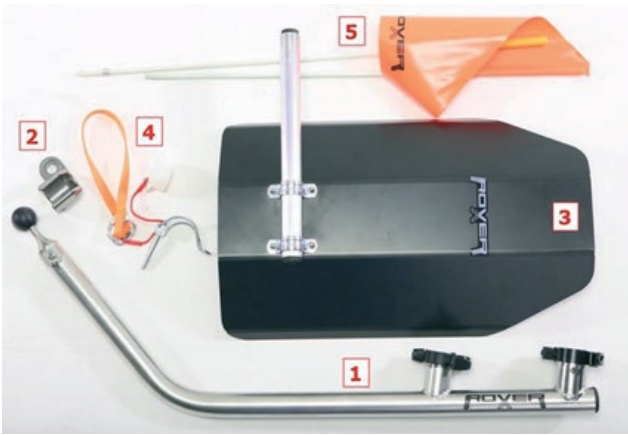
Each person stands on one side of the stroller. Transport can be started by grasping and lifting the stroller.



Figure 35

## 8. Coupling of the stroller behind a bicycle

The stroller may be equipped with an accessory for coupling behind a bicycle. It is comprised of the following components:



1. towing bar for coupling on the stroller
2. bike hitch (a set of 2 pcs)
3. protective fender
4. coupling device for coupling to the bike
5. folding flag

## 8.1 Bicycle hitch

The hitch is fixed to the LEFT rear wheel fork and it can be fixed under both the quick-acting axle and the axle held by nuts. Loosen the axle completely and fix the hitch so that the mounting hole of the ball joint points forwards.



Make sure that the axle is long enough and that it fixes the wheel into the frame fork reliably when the hitch is installed. If the axle is too short, it is necessary to buy a new, longer axle (only the inner tie-rod in the case of the quick-acting axle). This problem need not be solved for most of bicycle types.

Figure 36

## 8.2 Tow bar of the stroller

In ordinary use of the stroller, the tow bar of the stroller/buggy (if fitted permanently) is located in folded position under the stroller. The front fender is also folded and protects the lower part of the covering of the stroller.



Figure 37

Turn the tow bar under the stroller by ca. 180° and fix it by locking the outer pair of quick-acting clamps. Adjust the suitable position of the front axle block and lock also the inner pair of quick-acting clamps. Leave the front wheel removed; the 6" swivel wheel can be transported also installed and folded flat under the stroller.

To unfold it, all four vertical quick-acting clamps on the front axle must be loosened.

Turn the front fender to a suitable position or remove it.



Figure 38



Figure 39



Figure 40

### 8.3 Coupling of the stroller tow bar with the bicycle hitch

Grasp the stroller at the tow bar and slide the ball joint into the bike hitch from the front. For this operation it is necessary to find a suitable mutual position of the bicycle and the stroller so that the ball moves in the hitch freely.



Figure 41

Using the screwed snap hook, fix the fastening joint accessories assembly – the front lid of hitch and the pin with lock – to the tow bar eye. **1** – Mount the front lid on the hitch from the front so that the holes in the hitch and lid match and **2** – insert the steel pin from above. **3** – Lock the pin by snapping the provided spring cotter down. **4** – Grasp the locking strap, wrap around the rear wheel fork and fix the snap hook back on the locking eye. To disassembly, follow these steps in reversed order.



Figure 42

**Note:** The stroller hitch size is fully compatible with Chariot strollers.



## NOTICE

The motion range of the stroller's ball joint is sufficient for standard use.  
Avoid an increased stress of the joint outside the limit positions of the motion range!

### 8.4 Flag

The stroller must be provided with a safety flag. The fixing holes for the flag are near the hood joint on both sides of the stroller. Positioning the flag when the stroller is used in other variants than a bike stroller.



Figure 43: 1 – folding the flag

2 – position during transport



Figure 44: 1 – left hole for flag

2 – right hole for flag

Assemble the flag rod out of two pieces by inserting in the coupling; insert the bottom end of the rod in the fixing hole in the stroller frame.



Figure 45

Assemble the flag rod out of two pieces by inserting in the coupling; insert the bottom end of the rod in the fixing hole in the stroller frame.



Figure 46

## 9. Other accessories

### 9.1 Cyclocomputer – speedometer

As a standard, the stroller is equipped with a wireless cyclocomputer with 8 functions. The cyclocomputer is functional both in drawing the stroller behind the bicycle and in pushing or drawing the stroller by another person. The only condition is turning of the rear wheels.



Figure 47

The extremely large display enables you to continuously monitor the actual speed and it also provides the following information:

- real time
- time elapsed from the last reset ("trip duration")
- total distance covered (ODOMETER)
- distance covered from the last reset ("trip length")
- maximum speed reached - average speed

The SCAN function allows all of this information to be shown one by one on the display.

The transmitting part with a motion sensor is fixed on the LEFT block of the rear axle (Fig. 21).

The cyclocomputer with holder is inserted in the inner pocket in the left fender of the stroller allowing turning it for comfortable monitoring of the data by the transported person.

The transmitting part is supplied from LR 44 batteries (2 pcs), the cyclocomputer from one CR 2032 battery.

#### 9.1.1 Smart Watch

In case of increasing users' comfort and reflecting their feedbacks of iXROVER stroller improvements cyclocomputers has been replaced by Smart watches for daily use without iXROVER as well. We believe that, this exchange brings more users product use value. User's manual for Smart watches is included in separate packing inside each new iXROVER.

## 9.2 Mosquito net, windstopper and waterproof

### 9.2.1 Mosquito net (Tropico)



It is possible to fix a mosquito net, windstopper and waterproof to each stroller. The mosquito net is fixed with Velcro the other end of which is on the bottom part of the front edge of the hood. Place the mosquito net (Fig. 48, point 1) on the inner other part of the Velcro on the hood (Fig. 48). Then place the front side over the front arch of the stroller frame (Fig. 49) and fix the rear corners by turning the end tapes around the stroller frame (the vertical part of the extended handle frame) and snap (Fig. 48). In the middle of the longest sides of the mosquito net, snap the snap on the tape onto the counterpart located on the side of the stroller seat (Fig. 49).

The manufacturer supplies a uniform model for all S size stroller variants.

**WARNING:** An absence of the mosquito net may expose the passengers to insects, flying stones or other debris.



Figure 48



Figure 49

## 9.2.2 Windstopper



The windstopper is fixed on the stroller in the same way as the mosquito net. Snap it (Fig. 48, point 2) to the outer other part of the Velcro on the hood edge. So the windstopper is stretched over the mosquito net. The order of fixing these parts can be combined arbitrarily.



Figure 50



Figure 51

The manufacturer supplies a uniform model for all size stroller variants.

**WARNING:** The windstopper protects transported persons against wind and partly against snow. However, it does not fully substitute the waterproof function and it is not water-impermeable in a longer stay in rain.

### 9.2.3 Raincoat

The stroller raincoat is to be placed over the hood and seat. (It can be also placed over the fixed mosquito net with windstopper) Fix it in the back with the Velcro around the stroller frame (Fig. 52), in the front, stretch it over the front arch of the stroller frame. On the sides, stretch is over the handrails (sides) of the stroller. Open the vent holes on the waterproof for a better transport comfort of passengers (Fig. 53).



Figure 52

Velcros for fixing to the stroller construction



Figure 53

Vent hole - 2 on each waterproof

The manufacturer supplies a uniform model for all size stroller variants.

### 9.3 Rear bag

The rear bag serves for transport of components of the stroller (14" front wheel with fork, waterproof, mosquito net, windstopper, 6" front wheel, and others). The rear pocket of the bag is used for wheels and other "dirty" components. Use the front part of the bag for other accessories and personal items.



Figure 54

The rear bag can be removed from the stroller (by unclipping the clips that fix the bag to the stroller frame). Remove the shoulder straps from the pocket on the bag back and connect the straps to the clips on the lower edge of the bag. The bag can be used as a hand rucksack.



Figure 55



Figure 56

Always use all provided straps to close the rear bag, including the central strap which fixes the bag against falling down. Do not let any objects protrude out of the bag. They could make the stroller unstable, an object could fall out (be lost), but also the stroller could crash. It is made in the respective color combinations like stroller models.

## NOTICE

Never overload the bag, it is not designed for the transport of material, only for personal items and stroller accessories. Overloading the bag could cause a turnover of the stroller and an injury.

### 9.4 Safety hand strap

To have a better control of the stroller, it is always useful to have the safety strap mounted as it prevents the possible leaving of the stroller away and thus it increases the control safety.

The strap can be mounted on the handle permanently and if used it is put on the wrist of the person who will operate the stroller.



Figure 57

### 9.5 Fixation insert

The fixation insert is used to reduce the internal space of the stroller seat. It is recommended to use it when transporting children up to about 2 years of age, for whom it provides a better comfort in the seat. At the same time, additional fixation inserts better stabilize children's figures and their heads when sitting in the stroller.

The elements are variable and can be adapted to the needs of that person.

Unbuckle the 5-point buckle (Fig. 59). Remove the red connecting element of the buckle from the middle strap and take the strap out of the loops on the seat (Fig. 58, point **1**).

Release the zipper (Fig. 58, point **2**) on the external side of the stroller and loosen the protective coverings (pads) of the shoulder straps. Lower them as low as possible. Then insert the fixation insert in the stroller seat. Pull the shoulder straps including pads through the selected holes on the fixation insert (Fig. 59). Pull through the lower middle strap in the same way.



Figure 58

**1** – shoulder straps fixed on the frame tube

**2** – zipper on shoulder straps



Figure 59

With the upper two snaps (Fig. 59) fix the insert on the counterparts (Fig. 60) which are located on the rear side of the flap of the stroller seat. As necessary, select the fixation height of the shoulder straps and lower middle strap.

The shoulder straps have 2 adjustment heights, the lower middle strap also has 2 variants. Before the final pull through and mounting of the straps back on the stroller construction, seat your child inside the seat to find out the correct adjustment of these straps and to choose the correct holes for straps.

Then pull over the shoulder straps (pads) and with the zipper on the external side of the seat tighten them so that they cover the straps and buckles well and do not slide down on the straps.

With other snap hooks you can adjust the required ranges of individual fixation strap parts. Place the protective and fixation pads in the stroller so that they fix the head of the transported person well, and the middle wedge to prevent the person from slipping off. All must be adjusted in such a way that the transported person has the maximum comfort. The transported person must be fixed firmly, but the strap must not clasp or otherwise limit them. A slight movement of the fixed person is possible and desirable.

The manufacturer supplies fixation inserts in the respective color combinations like the stroller models.



Figure 60

**NOTICE:** When handling the stroller and mounting or removing the fixation insert, always follow all instructions for operation of the stroller. Only perform it if you are absolutely sure that the stroller cannot start spontaneously, overturn or otherwise threaten your baby or operating persons.

## 9.6 Winter bag



Figure 61



The winter bag is an accessory to the stroller equipment and it can be added to any variant of model S. It is comprised of two parts (Fig. 61, **A**). The main upper part with zipper and holes for 5-point straps (Fig. 61, **B**) and the lower part (feet bag) which serves for extending the bag for bigger children. It is fully removable and can be cleaned by washing according to the symbols on the attached label. Owing to this, babies can be transported in the bag with shoes, which increases the operating comfort.

Mount the bag in the same way as the fixation insert, Chapter 9.5. of this manual. Fix the upper side fixing straps on the bag by wrapping around the stroller construction (in the same way as in the fixation insert) and fix on the counterpart of the snap on the rear side of the seat. If the fixation insert is installed in the stroller, fix this snap on the counterpart on the rear side of the hood. If the stroller is equipped with a fixation insert, the winter bag can only be fixed onto the side straps if the hood is mounted on the stroller.

The upper part of the bag can also be cleaned by washing according to the symbols on the attached label.

## 9.7 Additional bags

### 9.7.1 Hip pack



Figure 62



The sports hip pack can be worn also separately around the waist. It has an insulated drink bottle pocket, a double zipped pocket and a fastening strap. It can also be easily placed on the stroller handle. It is made in the respective color combinations like the stroller models.

### 9.7.2 Handbag



Figure 63



Figure 64

The sports bag can be worn also separately over the shoulder. It has two inner pockets, a Velcro flap and an adjustable shoulder strap. With the side Velcros it can be easily fixed onto the stroller handle. It is made in the respective colour combinations like the stroller models.

## 9.8 Transport bag

The manufacturer supplies a special strengthened transport bag for the whole stroller and all accessories. This bag is ideal for easy manipulation, transport or you can use it if you want to store the stroller only for a few days in the garage for example. The bag has side and carrying straps, reflective and compressive elements and handles for easy manipulation by hand, but it is also possible to attach it to a roof rack of the car.

Open the bag by opening zippers to the maximum. Put on an even surface/ground and open the sides of the bag towards outside. Put the entire stroller in the middle of the bag and pull the sides in direction up. Close zippers, ideally on both sides at the same time. For ideal position of the stroller in the bag it is necessary to „shake“ it a bit when closing.

Then fasten compressive straps until the stroller is tightly fixed (Fig. 65).



Figure 65

## 9.9 Special head rest

To improve comfort of the transported person you can provide head and body bolsters on fixation insert also with a special head rest. It can be attached to stripes of Velcro on fixation insert (Chapter 9.5) at any chosen height. It can also be combined with existing bolsters and thus achieve a better head support of the transported person or use it separately.

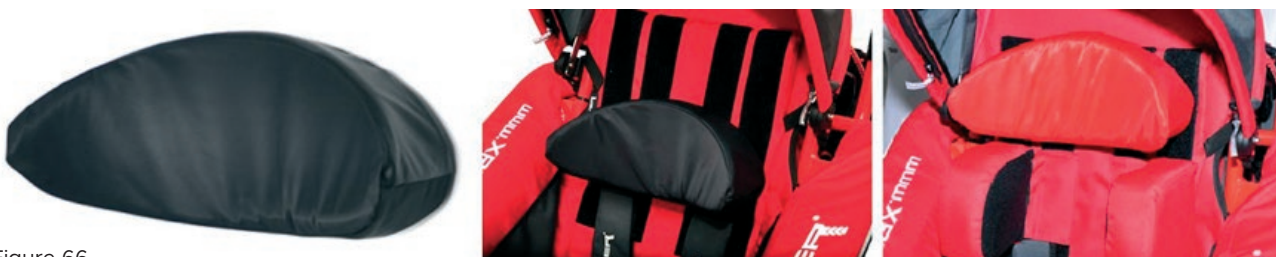




Figure 66

This PRODUCT OPERATION MANUAL was issued on January 1, 2019 as version 1.0 and it is applicable until a new one is issued.

The manufacturer reserves the right for changes in individual components due to the technical development of the product and accessories.



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