



## OPERATION MANUAL FOR

# xRover – Model S



The exclusive manufacturer and originator is the company:

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Made in the Czech Republic

**Thank you for purchasing the multifunctional xRover stroller/baby buggy 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 baby buggy for running, inline skating, tourism, and other activities

The product complies with the following standards:

- ČSN EN 1888:2012 - as a baby buggy  
ČSN EN 15918:2013 - as a bicycle trailer

### NOTICE

**Please read this operation manual carefully before using the xRover stroller/baby buggy.**

## xRover – Model S – Description of the main components of the stroller



- |  |  |
|--|--|
| <b>A</b> – height adjustable handle                                    | <b>N</b> – front axle, front wheels hub  |
| <b>B</b> – brake lever with parking lock                               | <b>O</b> – 14" front wheel fork*   |
| <b>C</b> – foam plastic coating of handle                              | <b>P</b> – 14" front fixed wheel*  |
| <b>D</b> – place for fixing additional bags (hip pack)*                | <b>Q</b> – front safety arch with footplate                                    |
| <b>E</b> – joint for adjusting handle tilt                             | <b>R</b> - cyclocomputer   |
| <b>F</b> – rear reflector  | <b>S</b> – safety 5-point belts<br>with shoulder straps                        |
| <b>G</b> – protective sides with reflective tapes and internal pockets | <b>T</b> – internal fixation insert with headrests*                            |
| <b>H</b> – rear transport bag for stroller accessories                 | <b>U</b> – internal Velcros on hood for fixing<br>mosquito net and windstopper |
| <b>CH</b> – 20" rear wheel with drum brakes                            | <b>V</b> – removable hood  |
| <b>I</b> – 20" wheel hub with water level                              | <b>W</b> – rear safety arch  |
| <b>J</b> – bike towing bar (with fender)*                              |  |
| <b>K</b> – stroller seat with fixing elements                          |  |
| <b>L</b> – mount for fixing mosquito net and windstopper               |  |
| <b>M</b> – clamps of front axle and bar                                |  |
- \*These components may not be parts of some modifications in the standard equipment of the model or they can be of a different type

## **CONTENTS**

	<b>Page</b>
General description	1
Description of the main components of stroller	2
Manual contents	3
General notices	4
Technical data	5
Maintenance, care and storage of stroller/baby buggy	7
Safety instructions	8
1. Assembly/disassembly of stroller/baby buggy	10
1.1 Rear axle	10
1.2 Front axle	13
2. Adjusting the required stroller/baby buggy wheel alignment	15
3. Brake adjustment	17
4. Handle	19
5. Hood	20
6. Fastening the transported person	21
7. Carrying the stroller with load	21
8. Mounting of the stroller to bike – Cycloset	21
8.3 Coupling of the stroller/baby buggy with bike	24
9. Other accessories	26
9.1 Cyclocomputer	26
9.2 Mosquito net, windstopper, and waterproof	27-29
9.3 Rear bag	30
9.4 Safety hand strap	31
9.5 Fixation insert	32
9.6 Winter bag	33
9.7 Additional bags – hip pack, hand bag	34-35

## **GENERAL NOTICES**

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

- Car seats placed inside the stroller/baby buggy and any other seats must be fixed with additional straps.
- Do not make any modifications on the stroller/baby buggy.
- 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/baby buggy by any part of children's and other passengers' bodies, clothes, laces or toys.
- Never leave children and other passengers in the stroller/baby buggy 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/baby buggy 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/baby buggy.
- At standstill, always apply the parking brake. See Page 19, Figure 26.
- The maximum load capacity in the rear storage space is 5 kg + other stored components of the stroller/baby buggy. 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/baby buggy, see Chapter 2, page 15.

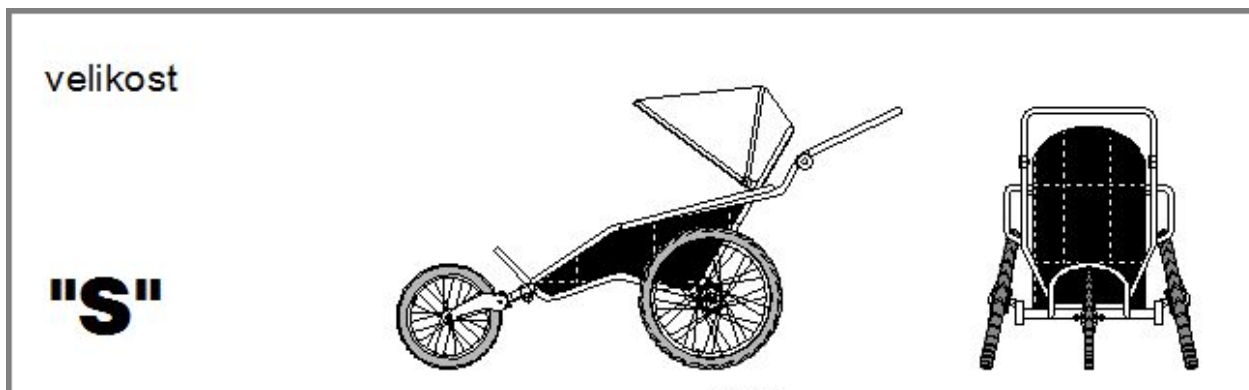
### **When using the stroller/baby buggy as a bike trailer, ensure the following:**

- Reflectors, reflecting and signalling elements meeting the regulations must not be removed from the stroller/baby buggy 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, pedalling 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/baby buggy 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/baby buggy. The drive or movement is provided solely by another person (other persons), preferably by pushing (at the handle of the stroller/baby buggy) 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/baby buggy is designed also for the possibility to be carried at the outer tubes (after removing the cloth fenders).

Your stroller/baby buggy model is size "S" – small. The manufacturer also provides models "M" – medium and "L" – large. The sizes only differ with the frame and cloth covering, the other components remain identical in all sizes.



**Figure 1**

velikost=size

Frame weight:	S - 3.6 kg
Frame material:	- aluminium alloys EN AW 6060, 6061, 6082
Curb weight:	depending on installed components and equipment (example: size "S" + 6" front wheel + hood – 13.4 kg)
Wheel gauge (track width):	ca. 76 cm (guaranteed passage through 80cm door frame)
Wheel-base (rear axle – cross tube of front axle):	S - 645 mm
Parameters of transported person: (load weight)	S - 50 kg/ca. 120 cm
Rear wheels:	20" with integrated 70mm drum brakes
Wheel material:	- aluminium centre and rim, steel wire spokes (for S, M, L) - plastic (for S only)
Rear wheel tyre:	20 x 1.75 (47–406)
Rear wheel tyre inflation pressure:	3.1–4.2 bar, car tyre valve. Max. pressure in one tyre 4.2 bar!
Front wheel 1:	14"
Wheel material:	- aluminium centre and rim, steel wire spokes (for S, M, L) - plastic (for S only)
Front wheel tyre 1:	14 x 1.75 (47–254)
Front wheel inflation pressure 1:	2.8 bar, car tyre valve. The max. pressure in one tyre 2.8 bar!
Front wheel fork 1:	fixed around vertical axis – suitable for off-road, jogging, inline skating, etc., and for higher speeds

- Fork material 1: - aluminium alloy EN AW 2017
- Front wheel 2: 6"
- Wheel material: - aluminium centre
- Front wheel tyre 2: - full rubber (not inflated)
- Front wheel fork 2: - rotating around vertical axis – suitable as a baby buggy on hard surfaces and for lower speeds
- Fork material 2: - aluminium alloy  
- glass-filled plastic (for S only)
- Other important properties: - The front and rear frame arches protect the transported person's head and body in case the stroller/baby buggy is overturned/overthrown;  
- The rear axle wheel camber by 10° ensures extreme stability against a side overturn of the stroller/baby buggy;  
- 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/baby buggy and removed wheels  
- Hip pack  
- Hand bag  
- 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/BABY BUGGY

### A. *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 xRover stroller/baby buggy should be repaired/replaced immediately to prevent any personal injuries.

### B. *Care for the covering/hood*

- Your xRover 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.

### NOTICE

The colours of the covering and other parts of the stroller/baby buggy may change due to the weather, sunlight and atmospheric

### C. *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/baby buggy.

### D. *Wheel frame and mounting*

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

### E. *Storage*

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

### NOTICE

#### SAFETY INSTRUCTIONS

##### Important rules for safe use of your xRover stroller/baby buggy.

1. Read carefully all instructions before using the stroller/baby buggy! 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/baby buggy, 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/baby buggy during each of these activities. Be extremely careful when operating the stroller/baby buggy 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 manufacturer – Volter s.r.o.
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/baby buggy 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/baby buggy.
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/baby buggy.
8. Keep an eye on the passengers in the stroller/baby buggy at all times.
9. For a smooth ride, keep the tyre-tubes of the stroller/baby buggy 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/baby buggy. Under-inflated tyre-tubes wear significantly and change the driving properties of the stroller/baby buggy.
10. Only use the stroller with motor-less bicycles capable to tow the extra weight of the stroller/baby buggy 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/baby buggy 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/baby buggy in areas with heavy traffic such as busy streets or in any places where riding the stroller/baby buggy 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/baby buggy 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/baby buggy, secure it against movement by applying the handbrake, see page 20, Chapter 3.
17. Always use the protective mosquito net when using as a bicycle stroller, see Chapter 9.2.

**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/baby buggy at the minimum speed.



## NOTICE

**YOU WILL ALWAYS FIND ALL IMPORTANT NOTICES ON THE STROLLER/BABY BUGGY IN THESE PLACES!**

**MAINTENANCE SYMBOLS ARE ON EACH SEPARATE COMPONENT.  
THE NAMEPLATE OF THE STROLLER IS LOCATED ON THE RIGHT SIDE OF THE REAR**



## 1. Assembly and disassembly of the stroller/baby buggy

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



Figure 4

**A** – press the cap to unlock the lock and **B** – 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

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).

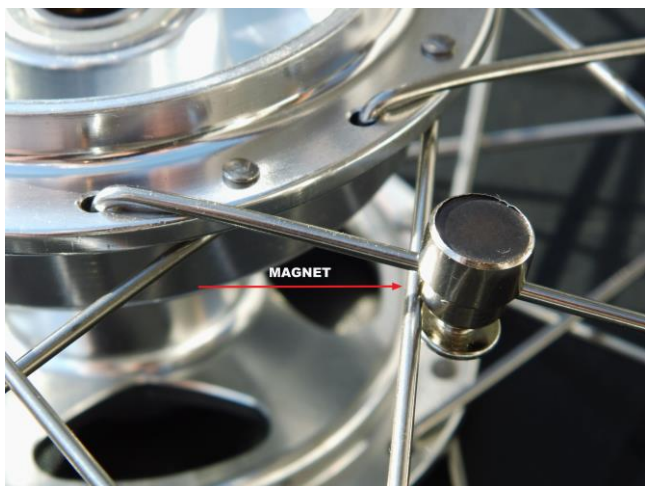


Figure 8

1.1.2 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 9

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/baby buggy.



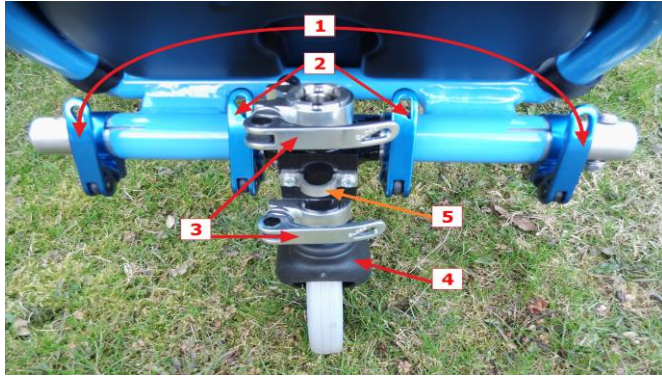
Figure 10

## 1.2 Front axle

The front wheels with forks are fixed to the stroller/baby buggy 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

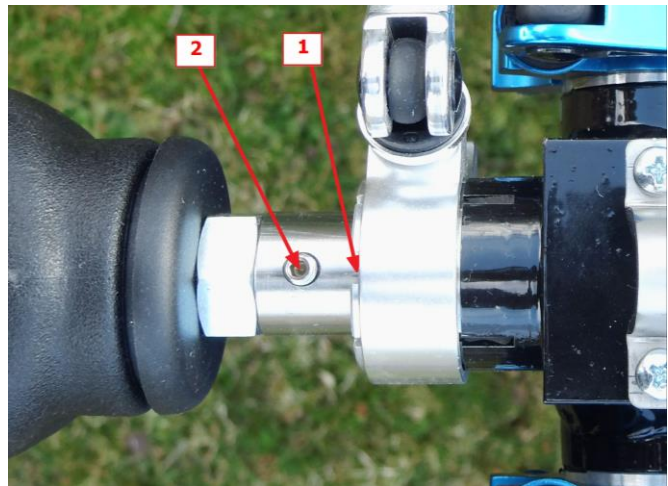


Figure 14

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 14 LOCKED



Figure 15 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/baby buggy.



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/baby buggy**

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/baby buggy 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/baby buggy 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 tyres; in addition, an asymmetrical adjustment could cause slide-slipping when moving forwards or other problems with the traction of the stroller/baby buggy.

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.

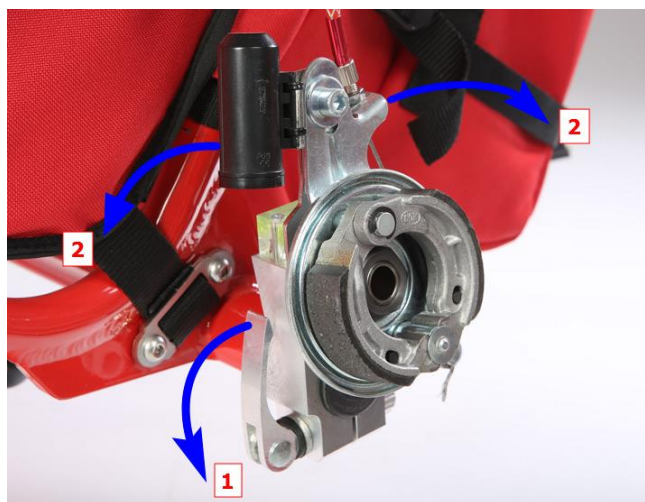


Figure 20



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/baby buggy.

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



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.

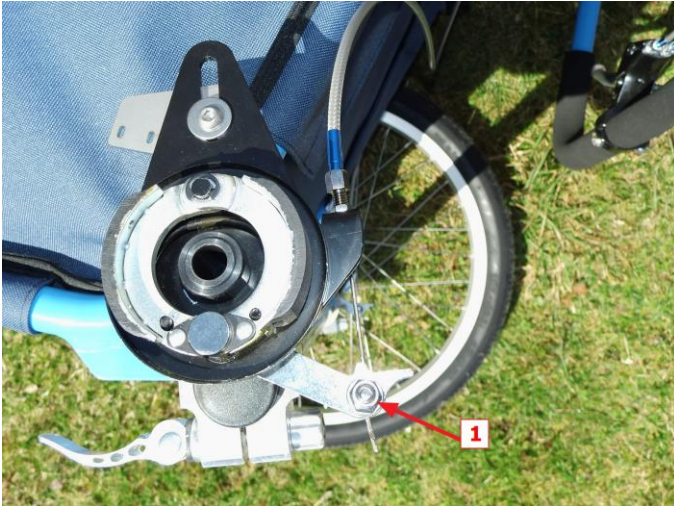
Finally, recheck the alignment according to the spirit levels on the left and right blocks. The correct alignment is a guarantee of excellent driving properties of the stroller/baby buggy.

### **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/baby buggy. Adjustment of the same effect of both brakes is very important to maintain the straight travel direction of the stroller/baby buggy 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.



**1** – Bolt for basic brake adjustment

Figure 23

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

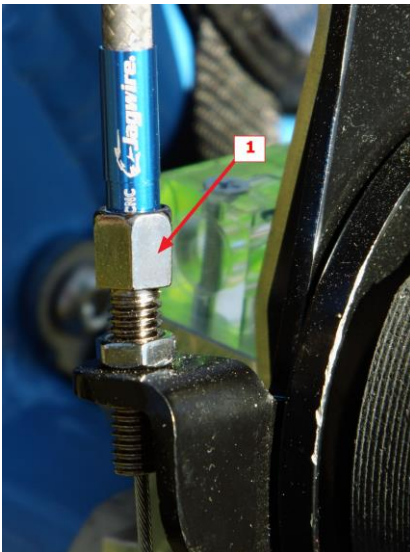


Figure 24

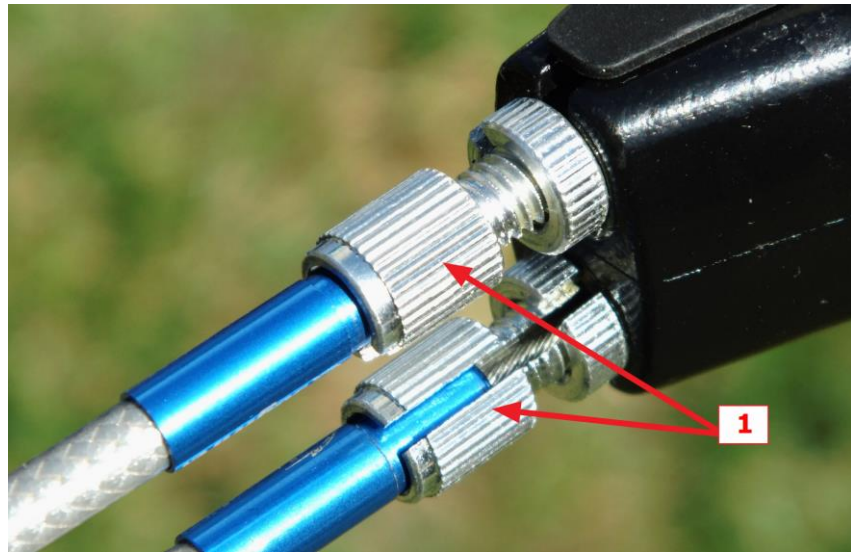


Figure 25

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/baby buggy.

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/baby buggy 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.

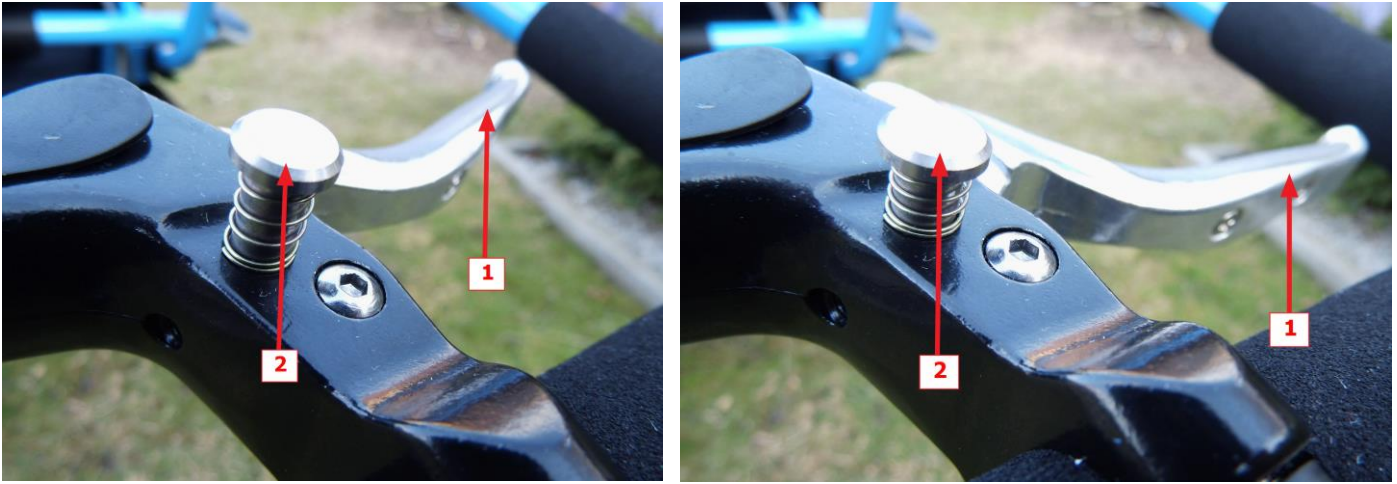


Figure 26: A – parking brake deactivated; B – parking brake activated

## 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/baby buggy or to use towing devices, the handle can be folded down fully to lower the outer profile dimensions of the stroller/baby buggy.

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/baby buggy from operating at full load.



Figure 27

## 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 28

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 29

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/baby buggy 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/baby buggy. 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/baby buggy 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 30

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

## **7. Carrying the stroller/baby buggy 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/baby buggy 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/baby buggy. It is not necessary to install any wheels in this type of use. Two persons are required to carry the stroller/baby buggy.

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

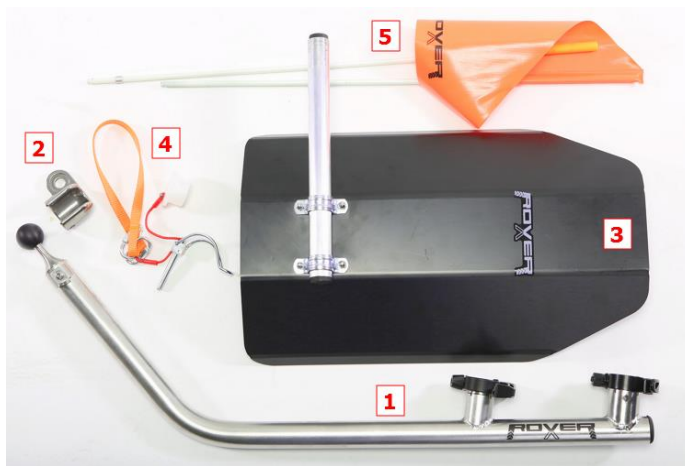
Each person stands on one side of the stroller/baby buggy. Transport can be started by grasping and lifting the stroller/baby buggy.



Figure 31

## **8. Coupling of the stroller/baby buggy 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/baby buggy
- 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.



Figure 32

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.

## 8.2 Tow bar of the stroller/baby buggy

In ordinary use of the stroller/baby buggy, 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/baby buggy.



Figure 33

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



Figure 34

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.



Figure 35



Figure 36

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

### 8.3 Coupling of the stroller/baby buggy 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/baby buggy so that the ball moves in the hitch freely.



Figure 37

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 38

**Note:** The stroller/baby buggy 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/baby buggy.

Positioning the flag when the stroller/baby buggy is used in other variants than a bike stroller.



Figure 39: 1 – folding the flag; 2 – position during transport



Figure 40: 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/baby buggy frame.



Figure 41

Now the bicycle-stroller assembly is ready for use.



Figure 42

## **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/baby buggy behind the bicycle and in pushing or drawing the stroller/baby buggy by another person. The only condition is turning of the rear wheels.



Figure 42

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/baby buggy 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.

## **9.2 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. 43, point **1**) on the inner other part of the Velcro on the hood (Fig. 43). Then place the front side over the front arch of the stroller frame (Fig. 44) 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. 43). 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. 44).

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

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



Figure 43



Figure 44

### 9.2.2. Windstopper



The windstopper is fixed on the stroller in the same way as the mosquito net. Snap it (Fig. 43, 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 45



Figure 46

The manufacturer supplies a uniform model for all S size stroller/baby buggy 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. Waterproof

The stroller waterproof 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. 47), 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/baby buggy. Open the vent holes on the waterproof for a better transport comfort of passengers (Fig. 48).



Figure 47

Velcros for fixing to the stroller/baby buggy construction



Figure 48

Vent hole – 2 on each waterproof

The manufacturer supplies a uniform model for all S size stroller/baby buggy 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 49

The rear bag can be removed from the stroller/baby buggy (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 50



Figure 51

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/baby buggy unstable, an object could fall out (be lost), but also the stroller/baby buggy could crash. It is made in the respective colour 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/baby buggy and an injury.

### **9.4. Safety hand strap**

To have a better control of the stroller/baby buggy, it is always useful to have the safety strap mounted as it prevents the possible leaving of the stroller/baby buggy 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/baby buggy.



Figure 52

**NOTICE:** You should always use the safety strap when performing such activities with the stroller/baby buggy at which the operating speed exceeds 6 km/h, i.e. the speed of walk, or when you are in a terrain or environment with an increased risk of unstable movement.

### **9.5. Fixation insert**

The fixation insert is used to reduce the internal space of the stroller/baby buggy 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/baby buggy.

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

Unbuckle the 5-point buckle (Fig. 54). Remove the red connecting element of the buckle from the middle strap and take the strap out of the loops on the seat (Fig. 53, point **1**).

Release the zipper (Fig. 53, point **2**) on the external side of the stroller/baby buggy and loosen the protective coverings (pads) of the shoulder straps. Lower them as low as possible. Then insert the fixation insert in the stroller/baby buggy seat. Pull the shoulder straps including pads through the selected holes on the fixation insert (Fig. 54). Pull through the lower middle strap in the same way.



Figure 53

1 – shoulder straps fixed on the frame tube  
2 – zipper on shoulder straps



Figure 54

With the upper two snaps (Fig. 54) fix the insert on the counterparts (Fig. 55) which are located on the rear side of the flap of the stroller/baby buggy 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 (Fig. 30).

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



Figure 55



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

## **9.6. Winter bag**



Figure 56

A

B

C

The winter bag is an accessory to the stroller/baby buggy equipment and it can be added to any variant of model S. It is comprised of two parts (Fig. 56, **A**). The main upper part with zipper and holes for 5-point straps (Fig. 56, **B**) and the lower part (foot 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/baby buggy 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/baby buggy.

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 57



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/baby buggy handle. It is made in the respective colour combinations like the stroller models.

### 9.7.2. – Hand bag



Figure 58



Figure 59

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/baby buggy handle. It is made in the respective colour combinations like the stroller models.

This PRODUCT OPERATION MANUAL was issued on January 1, 2015 as version 1.1 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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