



User Manual

WCMX Wheelchair

Description

The Roma Sport SK8R chairs are hand-built as a bespoke sport product enabling the user to participate in a sport in which conventional wheelchairs are not capable of withstanding the dynamic / physical stresses the sport demands. As such, the standard requirements of manual wheelchairs are not fully applied to these products.

The chairs are manufactured from carbon steel. The upholstery is heavy duty nylon.

Due to the nature of the sport, the chairs are classified as 'Custom Made Devices' under the MDD and as such are exempt from bearing the 'CE' mark normally associated with Medical Devices. They do however have to comply with the Essential Requirements of Annex I of the MDD.

Intended Use

Each wheelchair has been to be used for the purpose of participating in wheelchair use in a skatepark environment. It may also be used for everyday activities.

Upon receipt of your chair

- Always check that there is no obvious damaged caused during the shipping process.
- Fit the wheels to your chair.
- Adjust your seat to give for optimum seating position.
- Ensure that your backrest is correctly adjusted, giving you the maximum support and comfort.
- If your chair is fitted with an adjustable footrest, make any adjustments.
- Tighten any lap, chest or foot straps that are fitted during use.

Care and Maintenance

Always ensure the frame is structurally sound and that there are no visible cracks present. Make sure the main wheel axles are correctly adjusted with the wheels fully secured to the chair. (Quick release button must be out)

Check there is no debris wrapped around castor axles or bearings and the castor forks are secure – check for any excessive looseness in the castor forks and that they rotate freely. The tyres should be checked for correct pressures before each use (110psi).

Regularly inspect your seat and back upholsteries for any tears, rips or degradation of the foams as this could lead to injury. Also, check any straps fitted.

Warranty

The frame has a 12-month return to base warranty in the unlikely event of any material failure.

Due to the intended use, tyres, wheel bearings and upholsteries are not warranted against normal wear and tear.

Should you require any further modifications to your chair after use, please contact Roma Sport to discuss your requirements.

Adjustments

Footrest (Diagram 1)

The footrest can be adjusted for height. Please refer to the image below. The footrest mounting clamps hold the footplate to each side of the main frame of the chair. Both brackets must be adjusted equally. Depending on the adjustment required use an allen key to slacken the bolt. Adjust the footrest to the required position and re-tighten to fix the footrest in place.

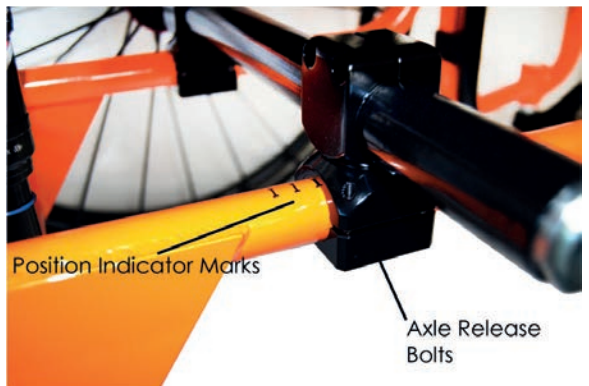
Axel Position (Diagram 2)

The rear axle can be adjusted forward or backwards to change the centre of gravity. This is adjusted for personal preference as a more experienced user may prefer a more 'active' axle position.

To adjust the position, loosen the four bolts on the underside of each axle mounting clamp and adjust to the preferred position. Each side must be on the same position indicator mark and then re-tighten the bolts on the clamps.



Footrest (Diagram 1)



Axel Position (Diagram 2)

Upholsteries (Diagram 3 & 4)

The backrest and seat can be adjusted for tension so the user can determine the amount of support they require. Shown below are the areas for adjustment. These consist of hook and loop straps. These can be undone and re-fixed to allow more 'sag' or tightened to provide more support.



Backrest upholstery (Diagram 3)



Seat upholstery (Diagram 4)

Wheel Fitting / Removal (Diagram 5)

Your wheelchair comes as standard with quick release axles. To remove or re-fit the wheels depress the release button and remove / locate the wheel and axle into the frame bush.

Before use, always ensure the wheels are secure and the release button is in the 'out' position.



Quick Release Button (Diagram 5)

Rear Shock Adjustment (Diagram 6 & 7)

Air pressure in the main chamber will allow you to change the hardness of the shock. The rebound adjuster will control how fast the shock kicks back to fine tune the stroke. You will find that as these adjustments are variable just like where you use your chair they will be something you change periodically.

Never modify your shock or chair frame. Any modification can lead to a broken shock and serious injury.

NEVER attempt to disassemble or remove the shock if it is in a compressed state.

To maximum performance of the shock in any different situation, it is necessary to adjust the SAG. The main reason of sag difference is all about the weight (chair or own weight). When you set up the sag, please sit on the seat properly.

Make sure all your weight is on the seat and then observe the suspension travel ring position which is on the shock travel body after getting out of the chair. We suggest that the displacement percentage range is 15-25% of full travel.

The sag displacement will be decreased by adding air pressure or increased by lowering air pressure. Adjust the air pressure to match your preference and required travel.

Rebound Adjustment

Air Valve



Rear Shock (Diagram 6)



Indicator Ring (Diagram 7)

Air pressure is filled to 150psi during production. Increasing the air pressure will make the shock harder while decreasing the air pressure will make shock softer.

The rebound adjuster is the red circular knob next to the main air valve adjuster.

Turning the red circular rebound knob you can control the speed of your shock return to be slower or faster.

It is necessary to adjust the SAG to get the best performance from your shock.

Please refer to Shock Specification Table. These figures are for reference only and each individual may have a separate setting for different areas of use.

DO NOT disassemble the shock yourself, please contact your nearest Roma authorised service centre if there appears to be a malfunction. Roma is not responsible for any unauthorised modification to the shock.

Use only soap and water to clean the shock. Never use a high-pressure washer.

Maximum air pressure should be limited to 275psi. After approximately 100 hours of use check the mounting bushes and fixing bolts. Should any damage / excess movement be visible replace before further use.

Shock Specification

User Weight	Air Pressure (psi)
55kgs / 120lbs	90
64kgs / 140lbs	105
73kgs / 160lbs	120
82kgs / 180lbs	135
90kgs / 200lbs	150
100kgs / 220lbs	165

NEVER use a garage forecourt pump to increase air pressure in the shock. Use a pump which is intended for high pressure cycle inner tubes or similar.

