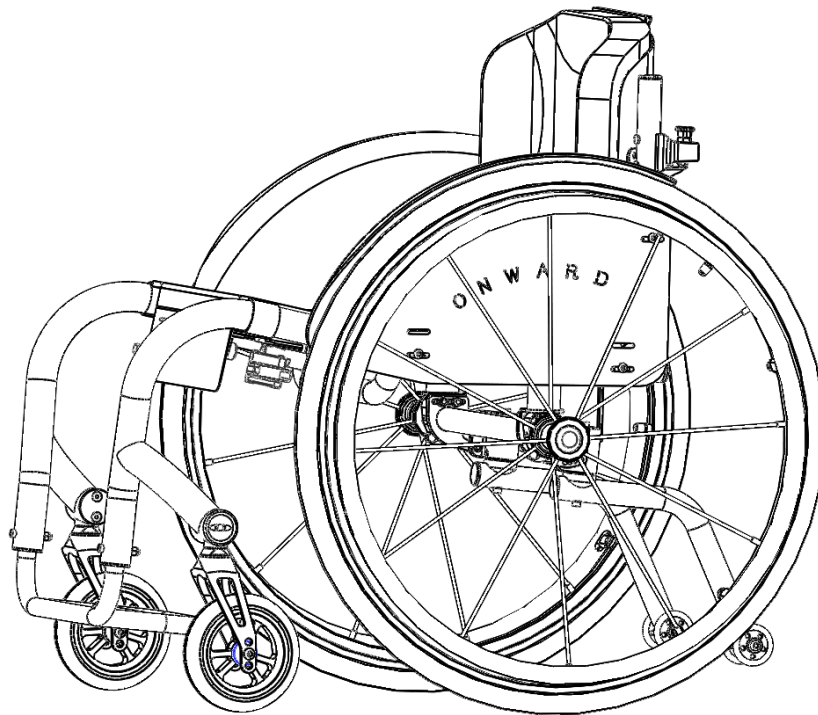


VOLARI

Titanium Manual Wheelchair TOUR TI400 Operation Instructions



ATTENTION:

Please carefully read and understand the information in this User Manual before using this product.

Please note that the images in this manual are for illustrative purposes and may slightly differ from the actual product.

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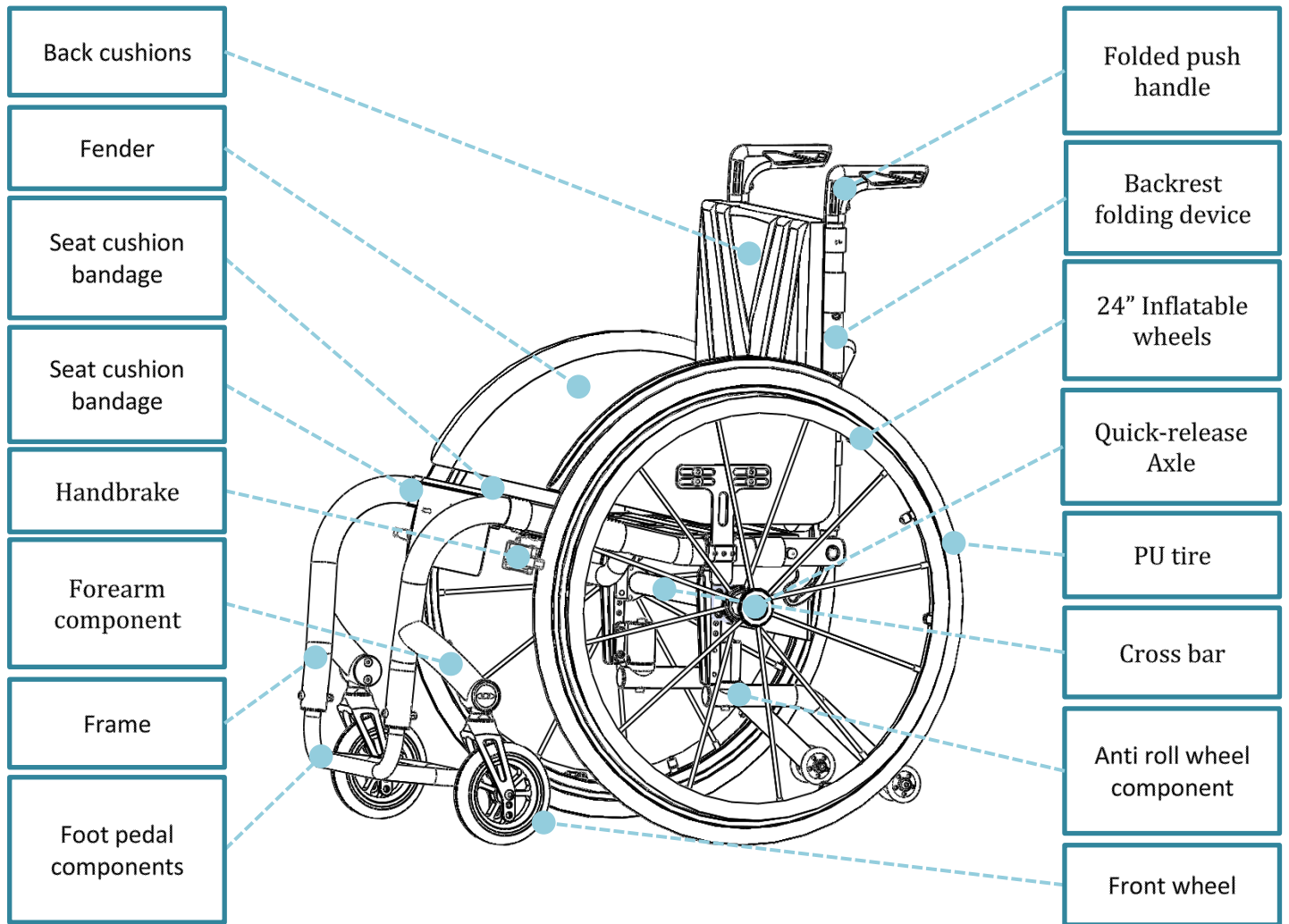
Manual Wheelchair

MW21 series

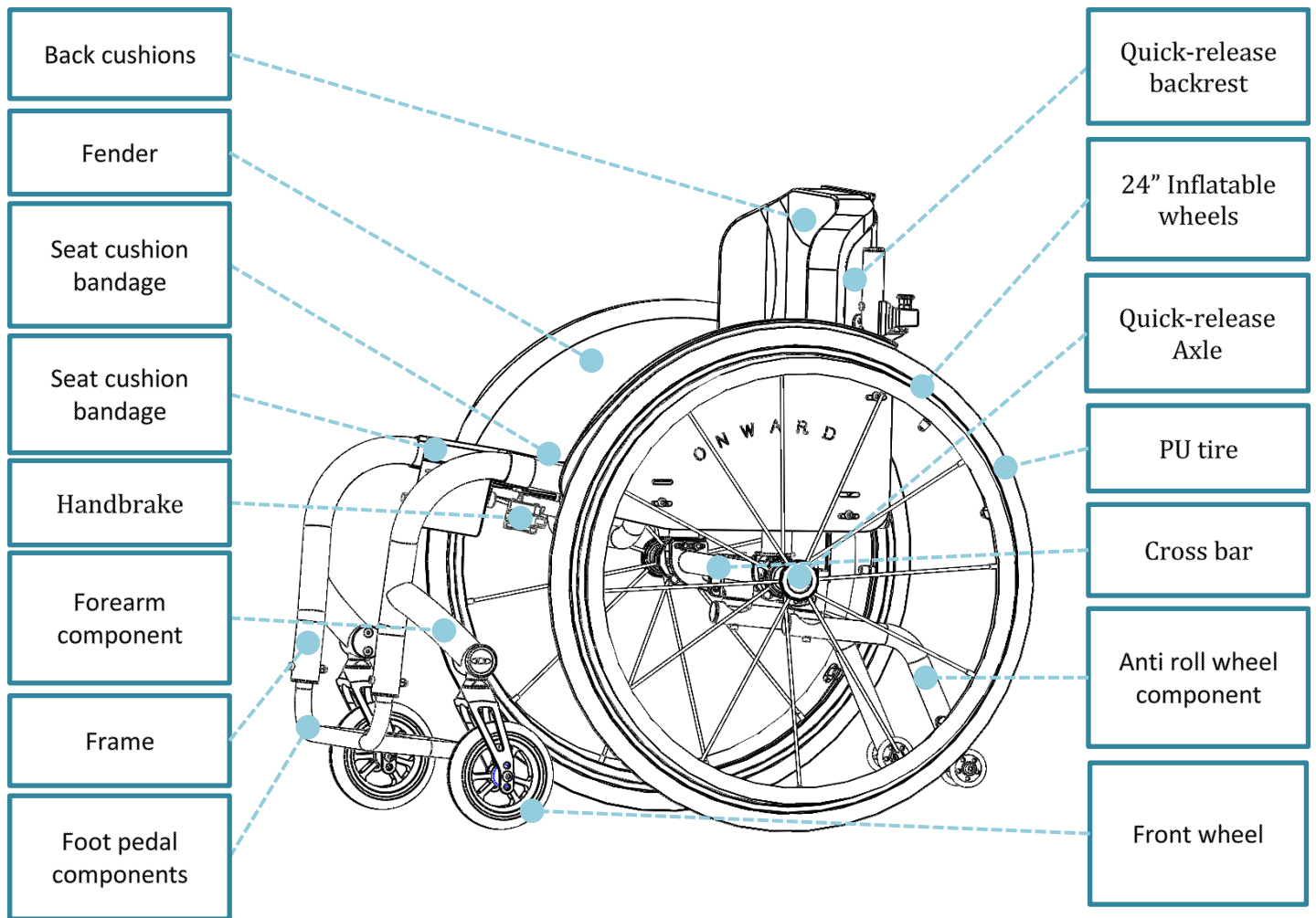
List of models

Model	MW20.1	MW20.2
Seat width *Seat Depth	16X16	16X16
Footrest height adjustable	✓	✓
Foldable backrest	✓	–
Front seat height adjustment	–	–
COG adjustable	✓	✓
Rear height adjustable	✓	–
Push handle height adjustable	✓	–
Backrest angle adjustable	✓	✓
Front castor angle adjustable	✓	✓
Fender adjustable	✓	✓
Quick released backrest	–	✓
Anti roll foldable	✓	✓
Foot pedal angle adjustable	–	–

1. Simple Structure *Figure* (MW20.1)



2. Simple Structure **Figure** (MW20.2)



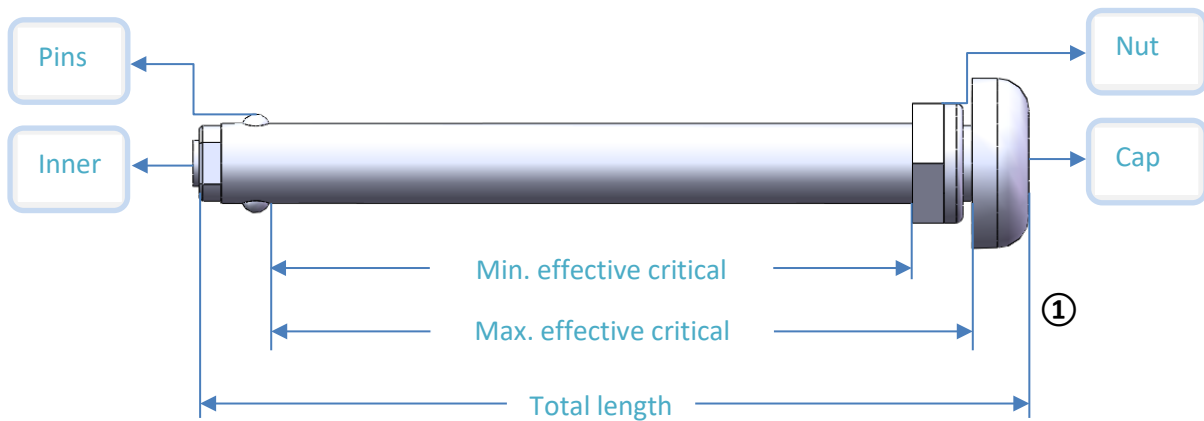
3. Delivery and Preparation for **Use**

Most wheelchairs (including the rear wheels) are usually delivered pre-assembled and ready to use. These wheelchairs will only require minimal time and effort to setup (such as the Model MW21 Series). Since the rear wheels on the Model MW21 Series use quick-release shafts, the 24-inch wheels are provided as individual parts only. To assemble, align the "L" (left) and "R" (right) markings and attach the wheels as shown in Step 3.1 before operating the wheelchair.

The list of wheelchair components inside the packaging carton box are as follows:

1. Wheelchairs in folded state
2. 24-inch rear wheels
3. Accessories box
 - Pre adjusted Quick release axles identified with **R** (right) and **L** (left) labels
 - Wrenches (Allen or hexagonal depending on the wheelchair model)
 - One 2.5 Hex socket
 - One 3 Hex socket
 - One 4 Hex socket
 - One 5 Hex socket
 - One 8 spanner
 - One 10 spanner
 - One Inflator
 - User manual for use

3.1 Install Rear Wheels with Quick-Release Axles (Figure ①).



Start by pressing and holding the axle cap. Insert the center hole of the rear wheel, then insert the hole of the wheelchair frame (see Figure 2).

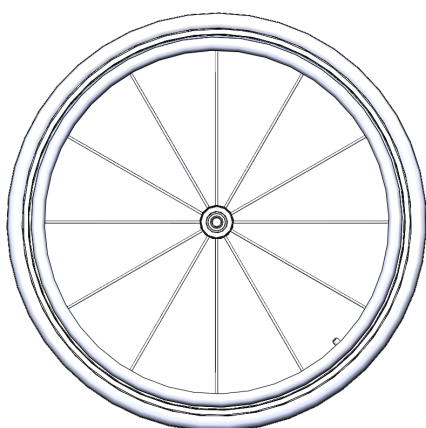
Connect to the left side of the wheelchair the left axle and wheel, and the right axle and wheel to the right side. To easily identify each side. Unfold the wheelchair and stand behind it, holding the push handles. The side on your right hand is the wheelchair's right side, and the side on your left hand is the wheelchair's left side.

Check that the pins are fully sprung with the axle and rear wheels securely locked. If the pins do not spring up and the inner rod is protruding, it means the axle needs to be adjusted. Hold the quick-release axle in place and use a wrench to tighten or loosen the nut. Adjust the axles until the pins are completely locked and the inner rod is not showing anymore.

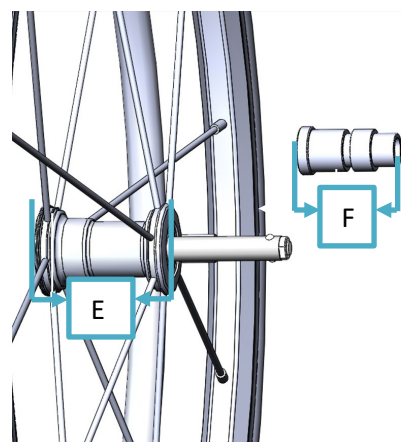
Make it a habit to regularly check the axles. If the pins fail to spring or the axles show any signs of malfunction, stop using the wheelchair and replace the axle immediately. Please do not use a wheelchair with broken or defective axles as they may cause accidents.

⚠ Warning: Replacement axles are not automatically adjusted to your wheelchair. For safe and proper wheel installation, they must be adapted using the steps provided in this paragraph. Carefully observe the labels to the side markings— "R" for right and "L" for left—during assembly.

The critical length must not exceed the combined width of items E and F (see Figure 3). If the critical length becomes too long, it may cause the rear wheels to wobble during use.



②



③

⚠ Warning: Before using the wheelchair, ensure the rear wheels are fully inserted and properly secured. Failure to do so may cause the wheels to detach, thus resulting in personal injury. Adjust the wheels by following the method provided above.

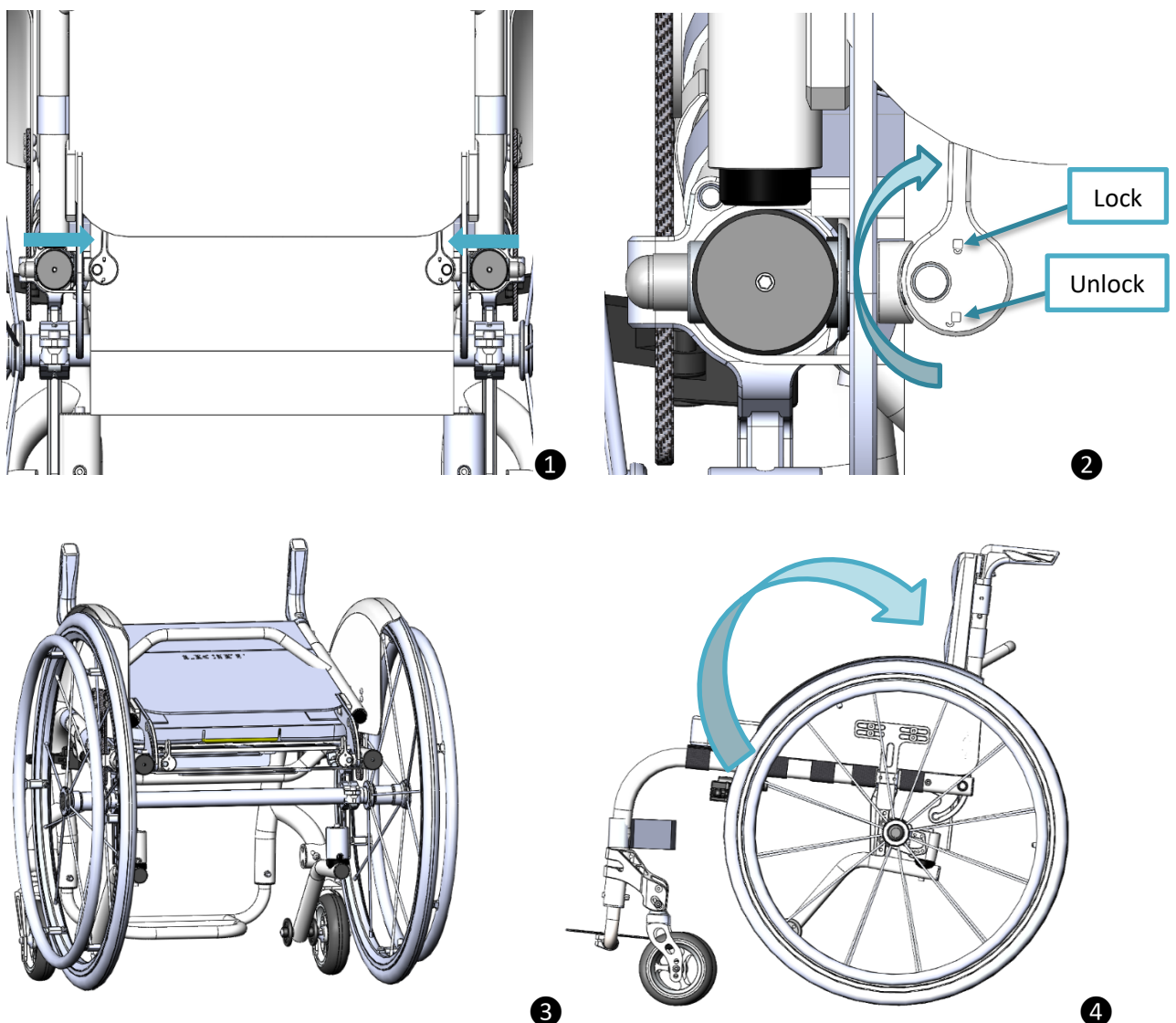
3.2 When your tire is deflated, use the matching air pump from the accessory box to inflate it to 60–80 PSI. Locate the valve on the tire's inner hub, then attach the pump nozzle firmly, and pump gradually while checking the pressure with a gauge.

After reaching the correct PSI, carefully remove the pump nozzle to avoid air loss and reinstall the valve cover to protect against dust and dirt.

3.3 Unfold the backrest (MW20.1)

Rotate the lock handle 180° by hand to unlock the backrest, to ensure that the unlocking and locking symbols switched positions (Figures 1 and 2). And while you're holding the handle, gently push the backrest tube backwards.

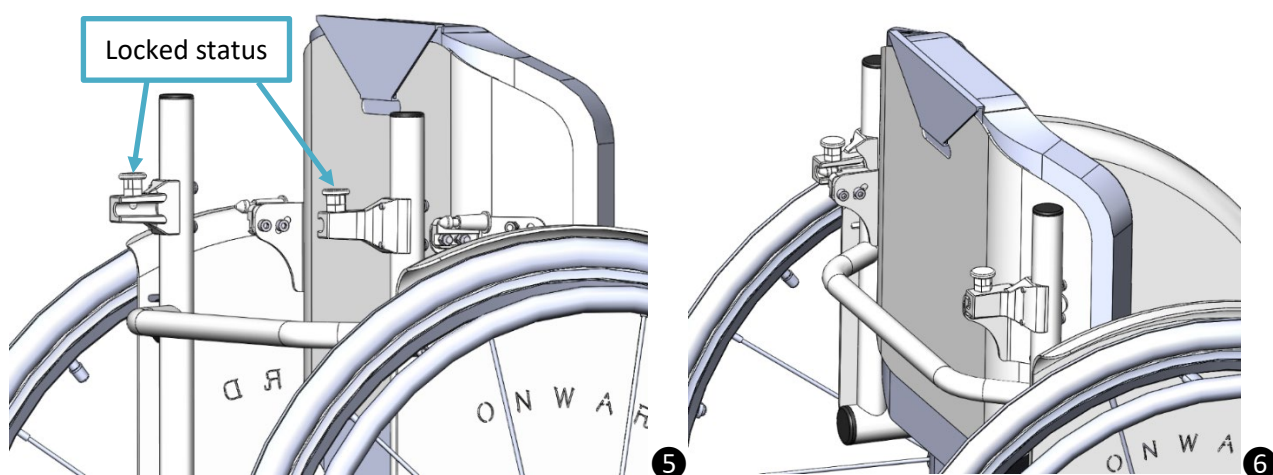
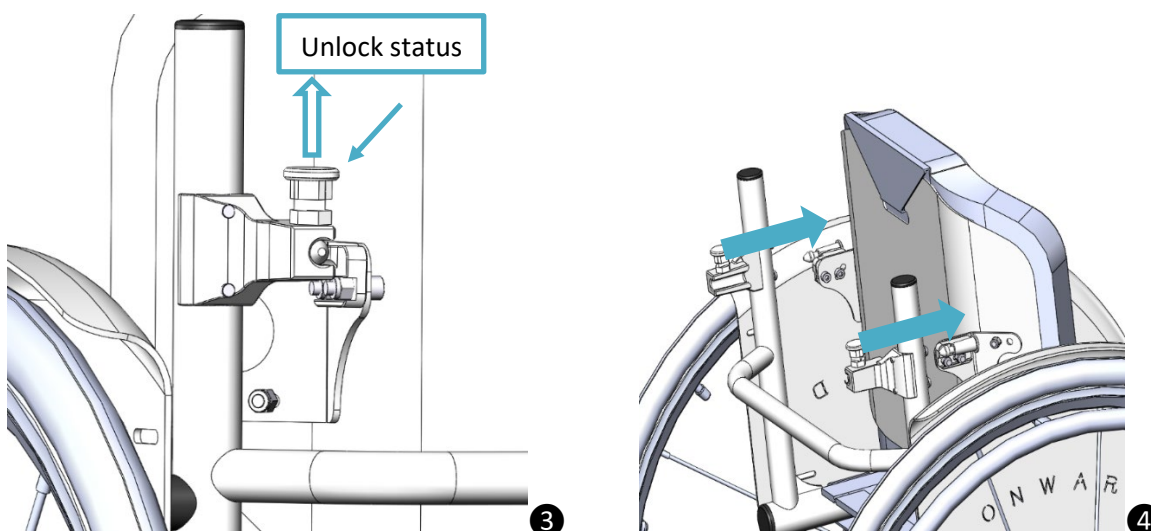
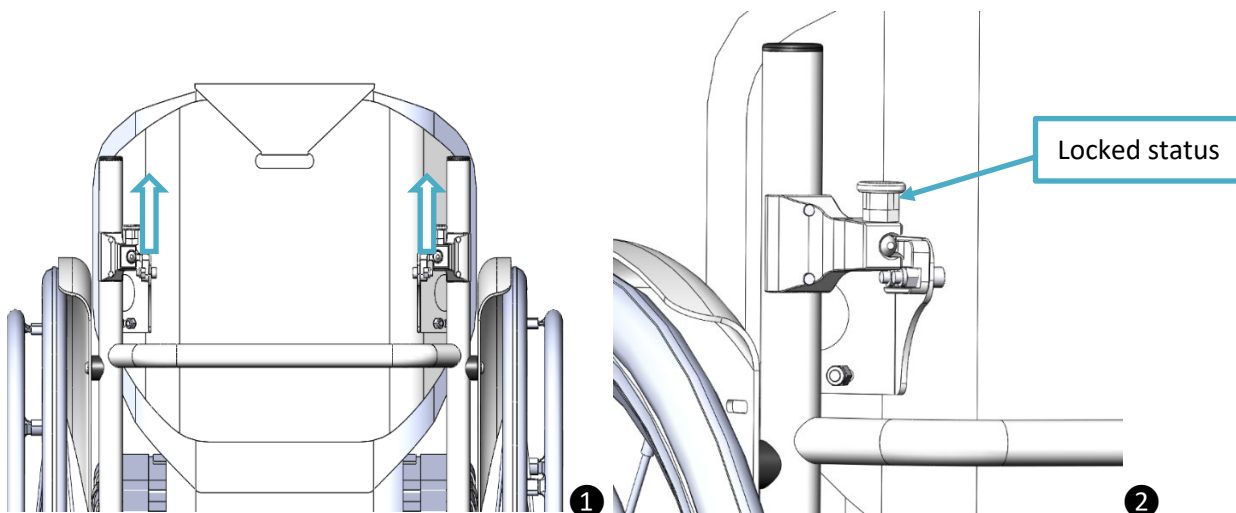
To lock the backrest in place, toggle the locking handle again, rotating it 180° until the unlocking and locking logos swap positions (see Figures 3 and 4). This completes the deployment and secure locking of the wheelchair backrest.



3.4 Quick disassembly and installation of the backrest (MW20.2)

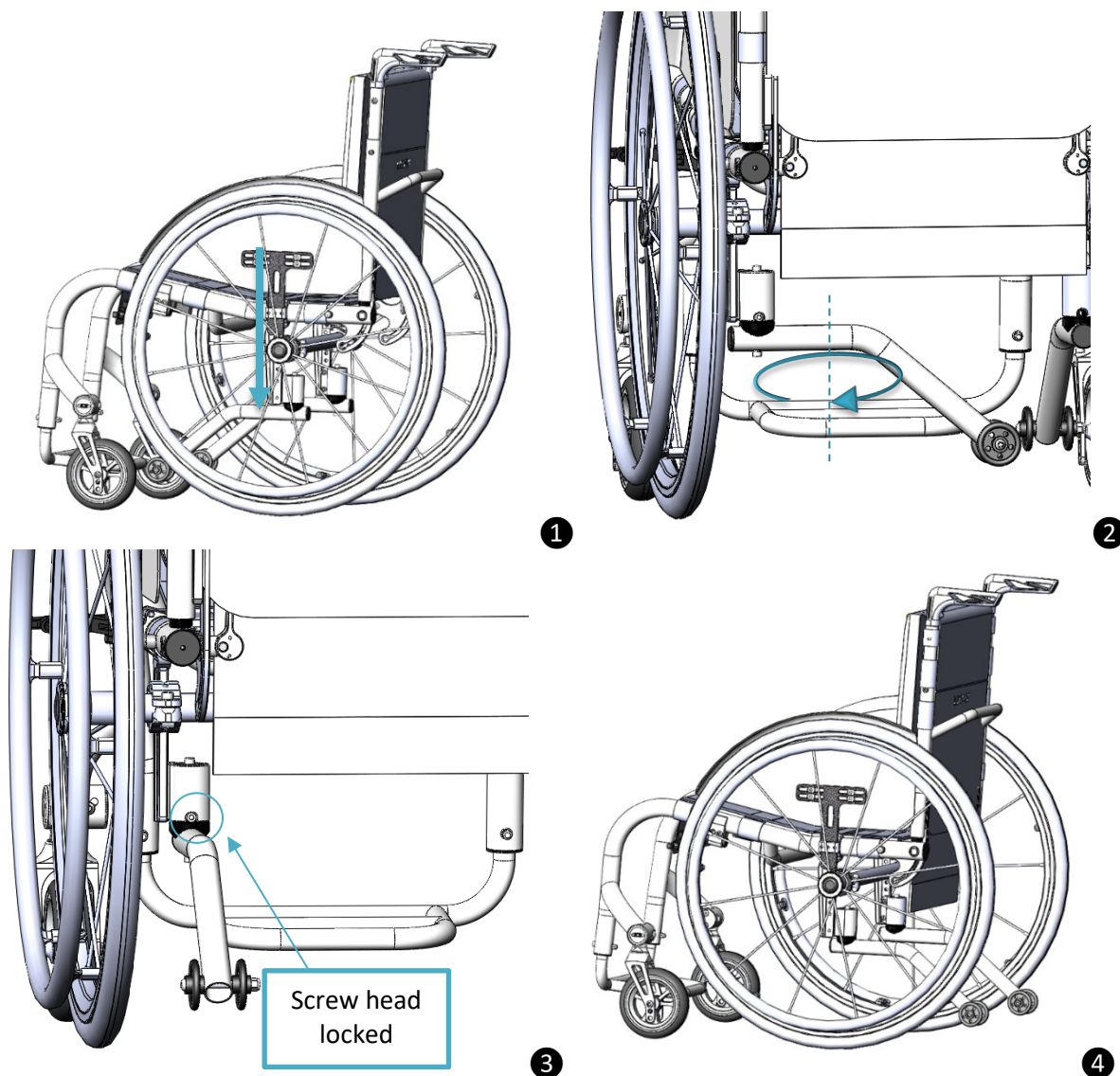
Lift and rotate the two indexing pins by hand to unlock them (see Figures 1–3). Once done, carefully detach the backrest by pulling it forward (see Figure 4).

To reinstall the backrest, move the two indexing pins to the locked position by hand (Figure 5). Align the backrest with the mounting notches and fully insert it following the direction of the arrows (as shown in Figure 6).



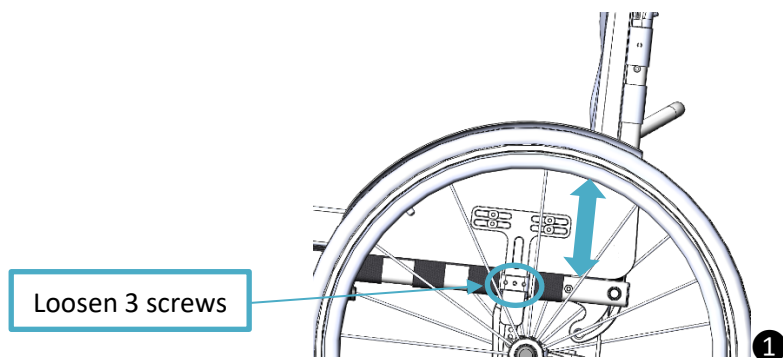
3.5 Unfold the Anti-roll Wheels (MW20.1)

Press down on the anti-tilt rod (see Figure 1) and turn it to the right (see Figure 2) until the screw head is firmly in place (Figure 3). Repeat the same steps on the opposite side (Figure 4) to fully deploy the anti-tilt wheels.



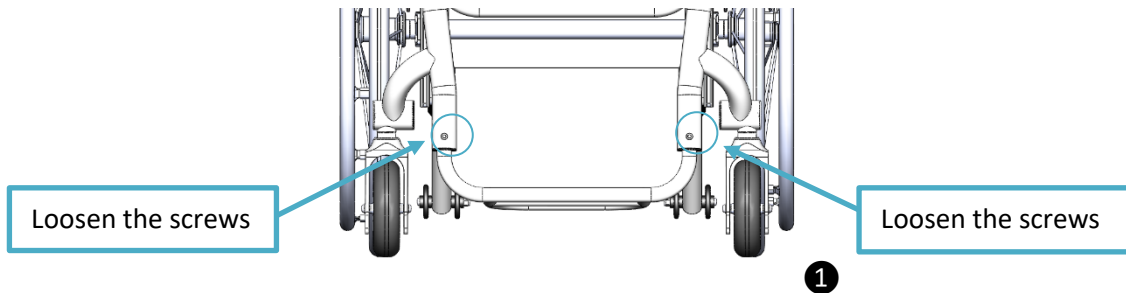
4. Fender Adjustment (MW20.1)

Adjust the distance between the fender and the tire by loosening the three screws on the side of the fender with a tool. Move the fender to the right position, then tighten the screws to secure it see (Figure 1).



5. Foot Pedal Height Adjustment

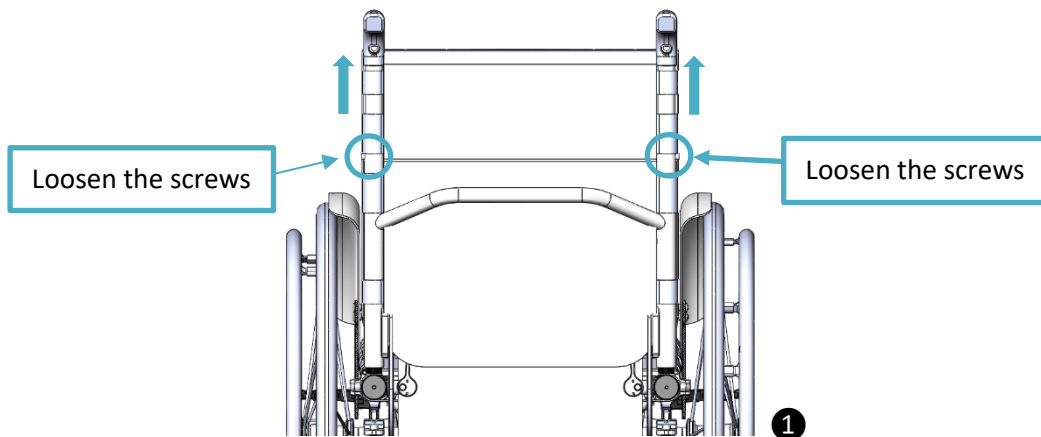
The height of the foot pedal can be adjusted using tools (as shown in Figure 1). Remove the screws, adjust the height to the appropriate position, and finally tighten the screws.



6. Backrest Adjustment

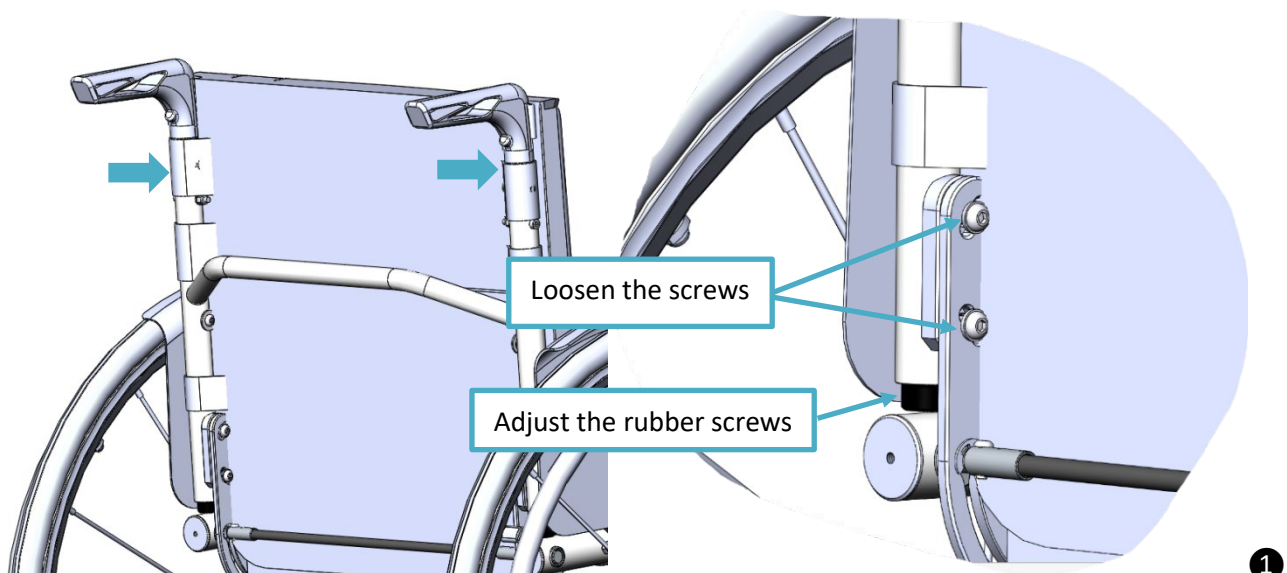
6.1 Backrest Push Handle Height Adjustment

Adjust the backrest push handle by removing the two screws on the left and right sides. Pull the push handle upward, set it to the desired height, and then tighten the screws securely (see Figure 1).

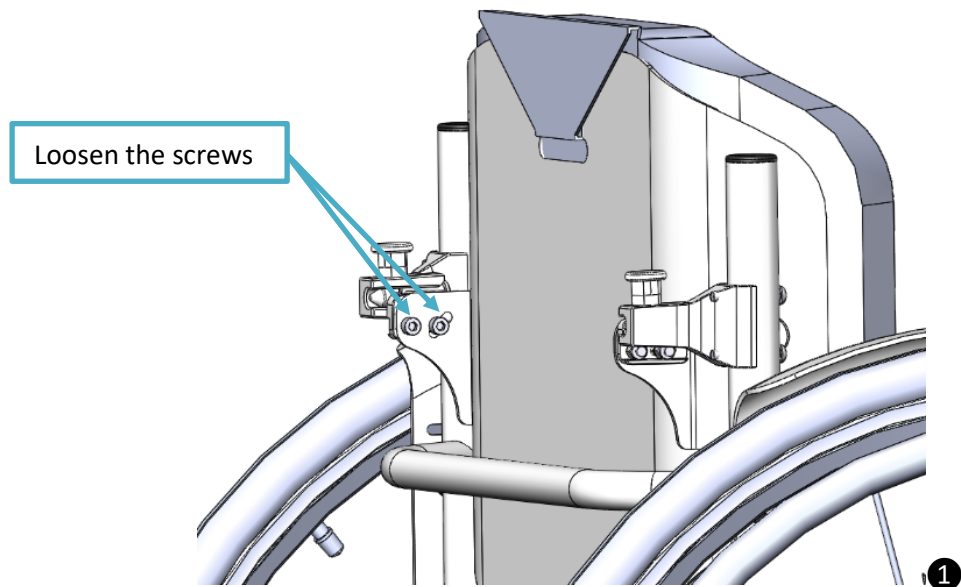


6.2 Backrest Angle Adjustment

You can adjust the angle of the backrest. Release the left and right screws, then tilt the backrest forward or backward. Adjust it to a suitable angle, lock the screw, and finally adjust the rubber screw to make it against the frame tube (Figure 1). (MW20.1)

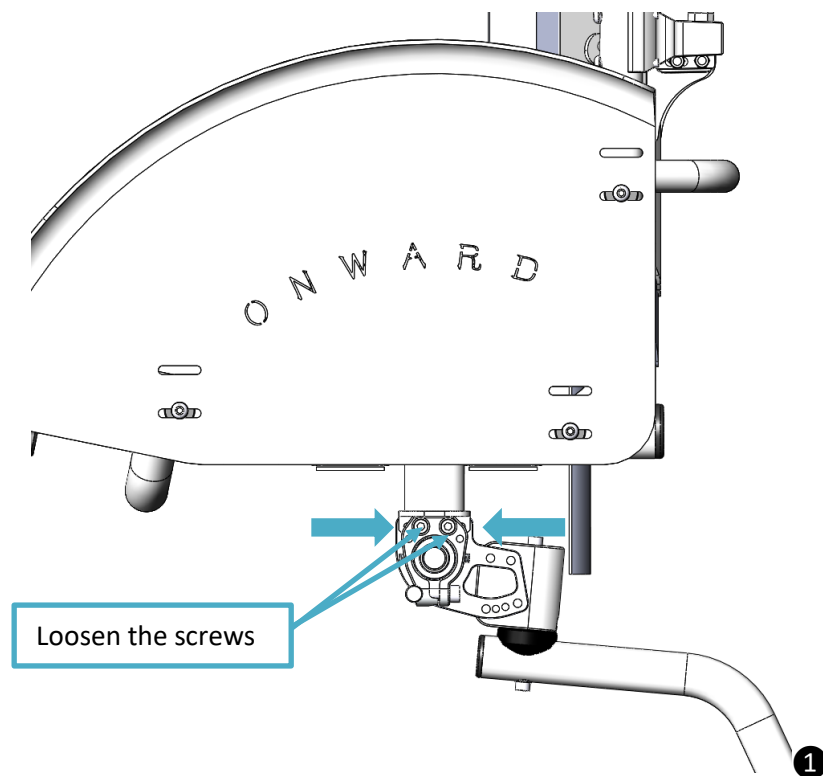


- 6.3** Loosen the left and right screws to adjust the backrest angle. Move the backrest forward or backward according to the preferred angle, then tighten and secure the locking screws (see Figure 1).

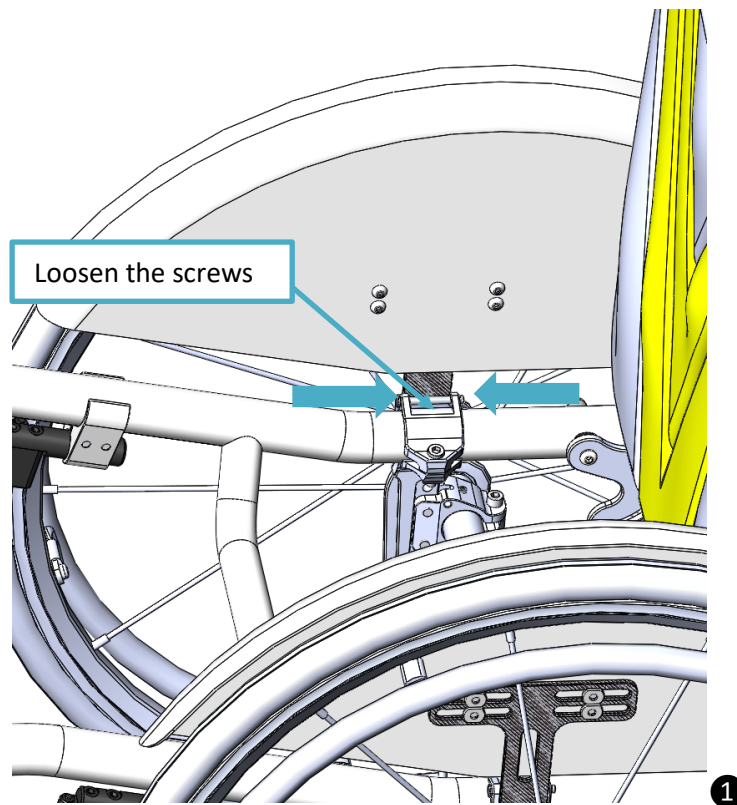


7. COG Adjustment

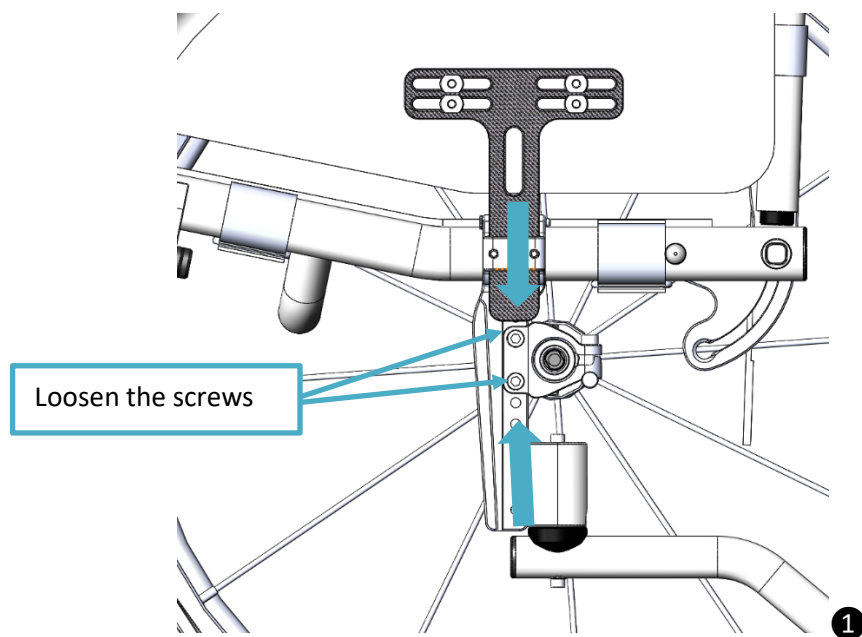
To adjust the wheelchair's center of gravity, begin by removing the large wheels. Then loosen up the two screws and move the frame to the desired hole position forward or backward. Once done, tighten the screws to lock and secure it.(Figure 1) (MW20.2)



- 7.1** To adjust the wheelchair's center of gravity, begin by removing the seat cushion fabric and straps. Then, loosen the two screws on the left and right and move the frame forward or backward to the desired position. Once it's been set, tighten the screws and secure it (Figure 1). (MW20.1)

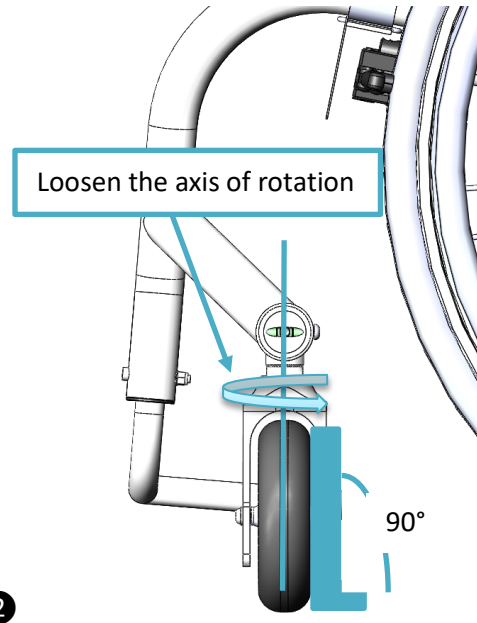
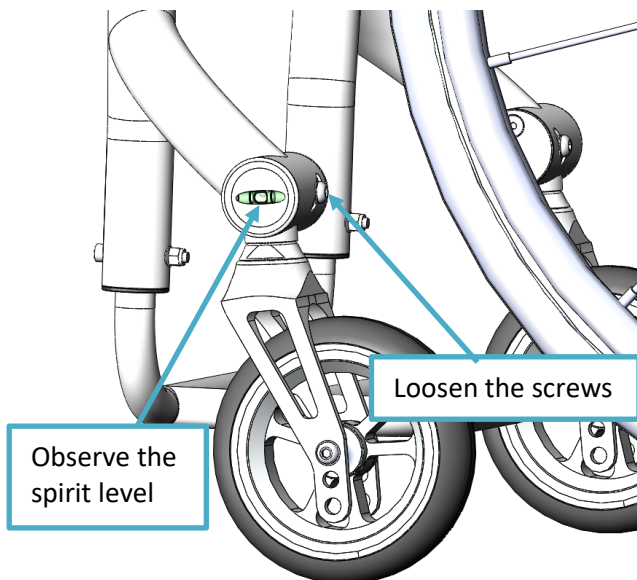
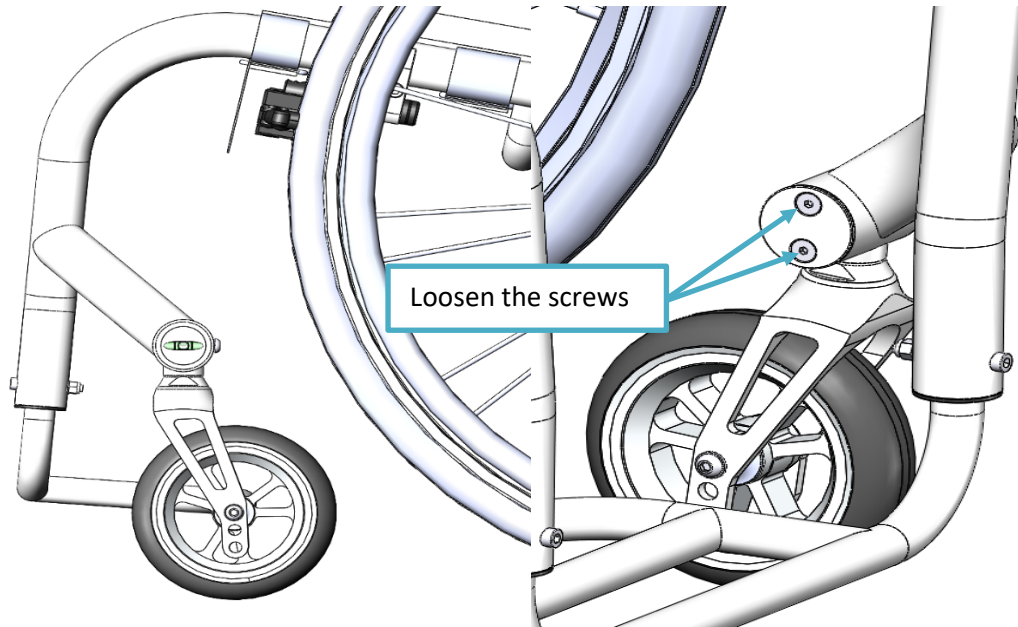


- 7.2** For adjusting the wheelchair's rear seat height, you can change it by removing the big wheels first. Start loosening the screws on both sides of the rear seat. Next, adjust the seat up or down according to the user's preference, and finally, tighten the screws to secure it in place (Figure 1). (MW20.1)



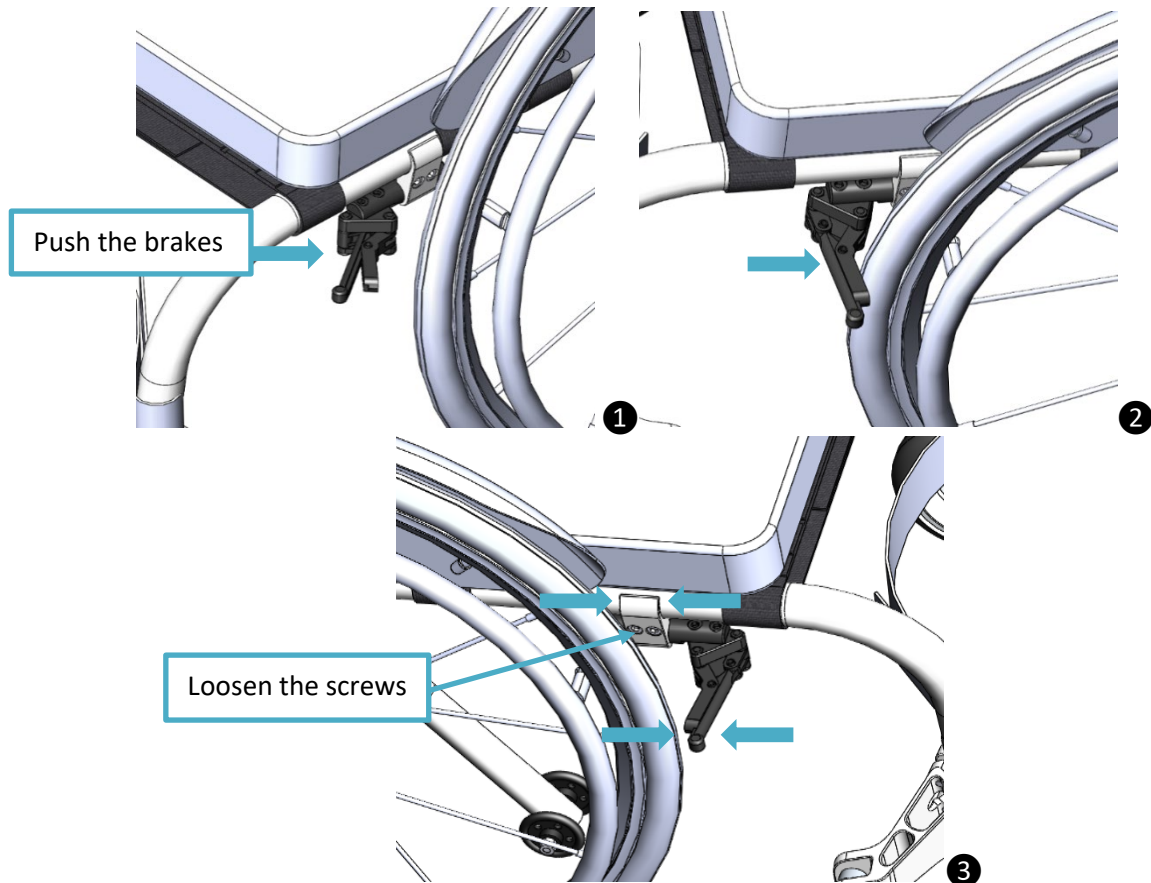
8. Replacing Front wheels

In order to set the front small wheel at a right angle to the ground, you have to loosen the side screws (see Figure 1), then followed by the rear screw (Figure 2). Next, loosen the rotation axis, rotate the wheel, and observe the level bubble on the gauge. Adjust until the side of the small wheel is vertical to the ground (90°) as shown in Figure 3. Once done, tighten all screws to secure position.



9. Usage of Brakes

- 9.1** Users can control the wheelchair's movement using the wheel brakes. When you need to stop, they can push the brake levers with their hands to apply resistance. This will bring your wheelchair to a complete stop (Figures 1–2).
- 9.2** You can use an Allen wrench to loosen the two screws on the brake bracket. Adjust the position of the bracket to change the distance between the brake and the tire, which will modify the braking force (Figure 3). Then retighten the screws to secure it.



10. Maintenance, Cleaning and Disinfection

10.1 Maintenance

Check	Before each use	Monthly	Quarterly
Function test of the wheel locks	X		
Sagging of the seat and back upholstery		X	
Check stability of footplate		X	
Visual inspection of wear parts (e.g., tires, bearings)		X	
Dirt on bearings		X	
Push rings for damages		X	
Folding mechanism for wear and tear		X	
Spoke tension of the rear wheels			X
Screw connections			X

- Always inspect the wheelchair before using it. Ensure the wheel locks, quick-release axles, and brakes are functioning correctly. Replace any safety nuts that have been loosened several times, as they are designed only for a one-time use.
- If you notice any problems or signs of wear on your wheelchair, contact your authorized Onward dealer immediately to have them corrected. This is especially important if the wheelchair's driving characteristics change or it feels less stable.
- We also recommend having the wheelchair serviced by your authorized Onward dealer at 12-month intervals. The following functions should be checked by the user according to the specified intervals.
- To ensure the wheelchair operates smoothly at all times, the following precautions and cleaning steps should be performed regularly. These tasks can be carried out by the user
- As the wheelchair gets used, hair and dirt can build up between the caster wheel and fork. This may prevent the wheels from turning smoothly. To take care of this, just remove the casters and clean both the forks and caster. You can clean them thoroughly using a mild household cleaner.
- In case your wheelchair gets wet, towel dry your wheelchair immediately.
- Never operate the wheelchair in salt water, and keep any sand, debris, or similar particles away from the wheel bearings to prevent damage.
- Check the wheelchair's screw connections frequently, most especially during the user's initial use of the equipment and after any adjustments. In the event that you notice a screw loosening repeatedly, consult your specialist dealer for assistance.
- Low tire pressure can affect the wheelchair's performance and safety. You can use an air pump to inflate the tires to the recommended 60–80 PSI. Correct tire pressure improves support, shock absorption, and traction, while preventing excessive resistance or tire damage.
- Doing routine checks and adjustments to maintain around 60 PSI will help maintain the performance and safety of your wheelchair.
- Regular maintenance of worn parts ensures the wheelchair's reliability, performance, and extends its lifespan. By presenting your warranty card and visiting an authorized store for replacement of worn parts, you receive proper maintenance and support during the warranty period while complying with the manufacturer's requirements.
- This helps maintain the quality and performance of your wheelchair and provides the after-sales protection you need.

10.2 Cleaning and Disinfection

- Clean the upholstery with warm water and a mild detergent. Remove spots using a sponge or soft brush, then rinse with clean water and let it dry.
- Avoid using aggressive cleaners, solvents, or hard brushes. The wheelchair components are not machine washable and should not be wet-cleaned.
- For disinfection, use water-based agents only on your wheelchair and follow the manufacturer's instructions. Before disinfecting, check all pads and handles are cleaned. Plastic parts, frame components, chassis, and wheels can be cleaned with mild detergent and must be thoroughly dried afterwards.

11. Re-use / Disposal

11.1 Information on Re-Use

The TOUR TI400 Wheelchair is suitable for re-use. Similar to common second-hand equipment, increased strain may occur during repeated use. It is also important that all features and functions must remain the same and safe to use throughout the product's life cycle. This ensures that the user or others will not be put at risk.

The manufacturer recommends a usage period of up to 4 years, provided with proper use and maintenance. Time spent in storage at a dealer or third party is not included in this period. With proper product care and maintenance, it may remain reliable up until the said timeframe.

Always clean and disinfect the product before using it.. Afterwards, an authorized specialist should examine it to assess overall condition, wear, and any damage. Any components that are worn, damaged, or unsuitable for the user must be replaced before the product can be used again.

11.2 Information on Disposal

When it comes to disposal of the product, all the components must be properly discarded and in accordance with the environmental protection regulations of the respective country.

12. Specifications & Measurements

Specifications	MW20.1	MW20.2
Style	Self-propelled	Self-propelled
Surface finishing	Order requirements	Order requirements
Frame	Titanium alloy fixed frame	Titanium alloy fixed frame
Guard board	Curved protective plate	Curved protective plate
Seat cushion	Sponge with polyester fiber	Sponge with polyester fiber
Back cushion	Sponge with polyester fiber	Sponge with polyester fiber
Rear wheel	24" tune rear wheel with PU tire and quick-released axles	24" tune rear wheel with PU tire and quick-released axles
Front wheel	5"x1.5	5"x1.5
Hand rim	Aluminum alloy	Aluminum alloy
Front fork	Aluminum alloy with black anodized	Aluminum alloy with black anodized
Footplate	Titanium alloy	Titanium alloy
Anti-tipper	Foldable anti roll wheel	Foldable anti roll wheel
Brake	High strength plastic brake	High strength plastic brake
Measurements	MW20.1	MW20.2
Total length	770mm	790mm
Total width	590mm	590mm
Total height	840mm	750mm
Folding width	610mm	-
Seat width	406mm	406mm
Seat depth	406mm	406mm
Backrest height	460mm-495mm	360mm
The back of seat to floor	376mm	390mm
The front of seat to floor	430mm	440mm
Net weight	10kg	9kg
Footrest to seat distance	340mm-380mm	340mm-380mm
Gross weight		
Weight capacity	100kg	100kg
Carton size		

13. Warranty

Warranty	Warranty Period	Remarks
Frame	1 Year	Non-Deliberate Damage
Vulnerable parts	3 Months	Plastic parts, Tires, Seat and Back, Armrest pad, Footplate pad.

- This wheelchair's product warranty period starts from the date of purchase.
- Please keep your warranty card and invoice for reference. Repairs requested during the warranty period would require these documents; otherwise, repair fees will apply.
- After the warranty period expires, labor and materials will be charged, and the user is responsible for any shipping costs.

WARRANTY CARD

[illegible]

Manufacturer Information

Name: LichtMega Technology Co., Ltd

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