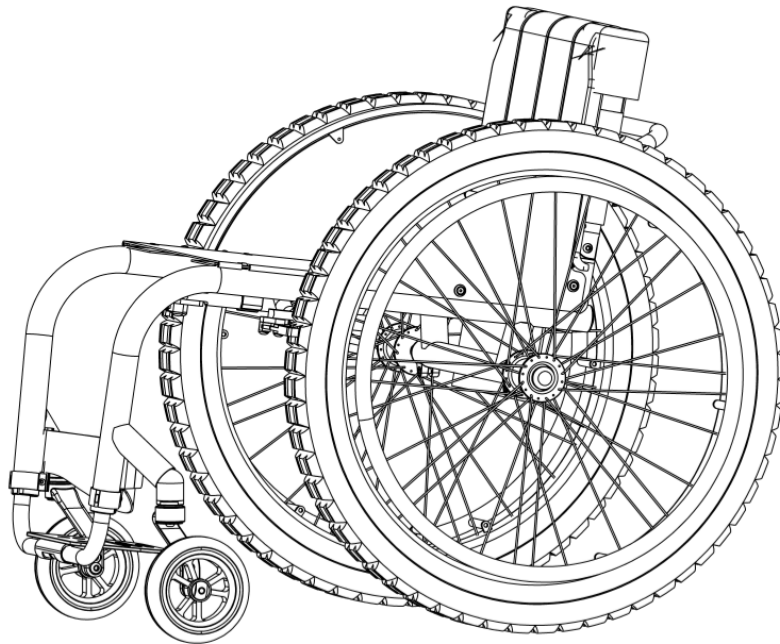


VOLARI

Titanium Manual Wheelchair User Manual



Thank you for choosing Volari Titanium Manual Wheelchair.
Please read our Titanium Manual Wheelchair "User Manual" before using the product.

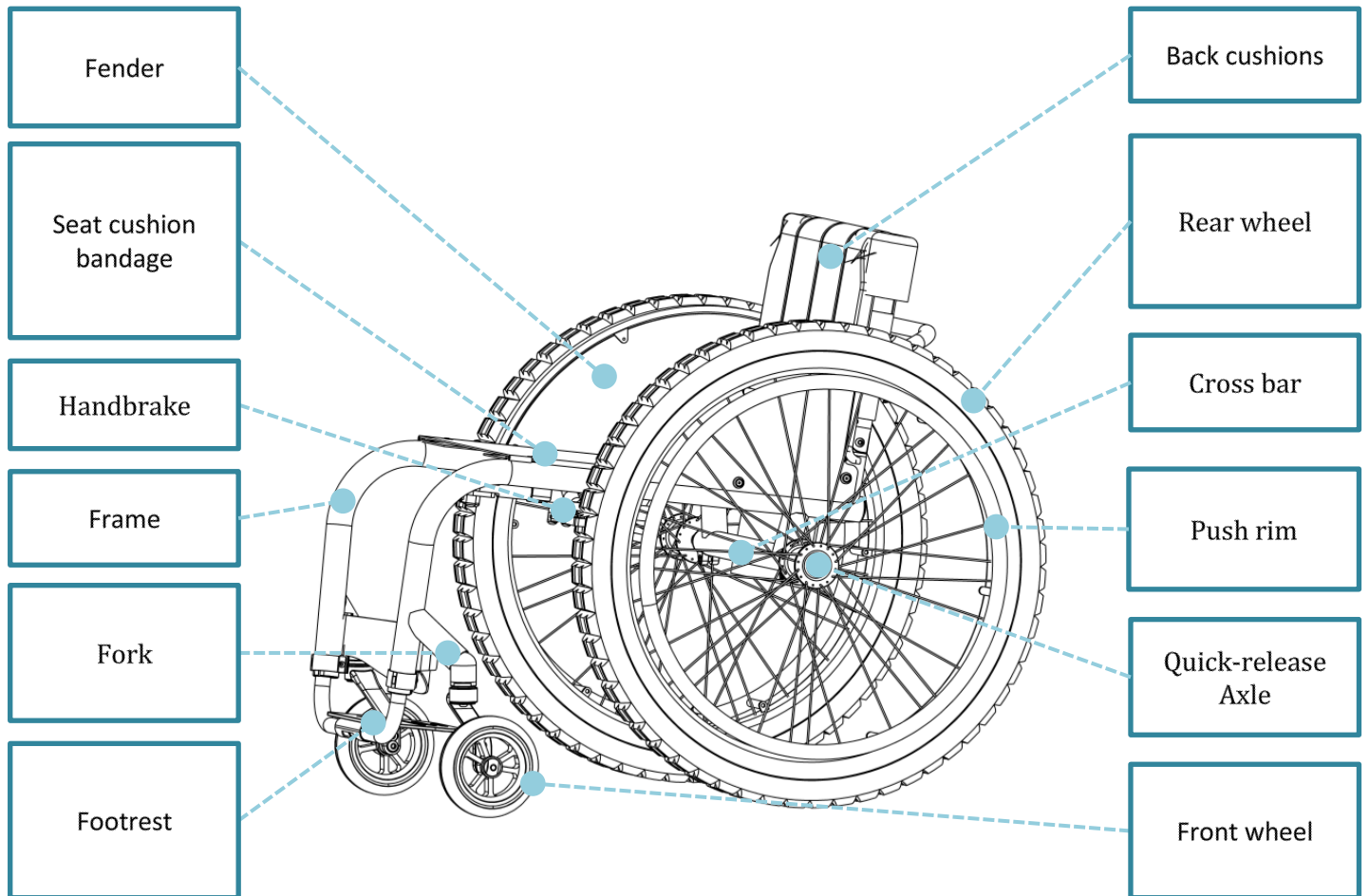
Manual Wheelchair

MW21 series

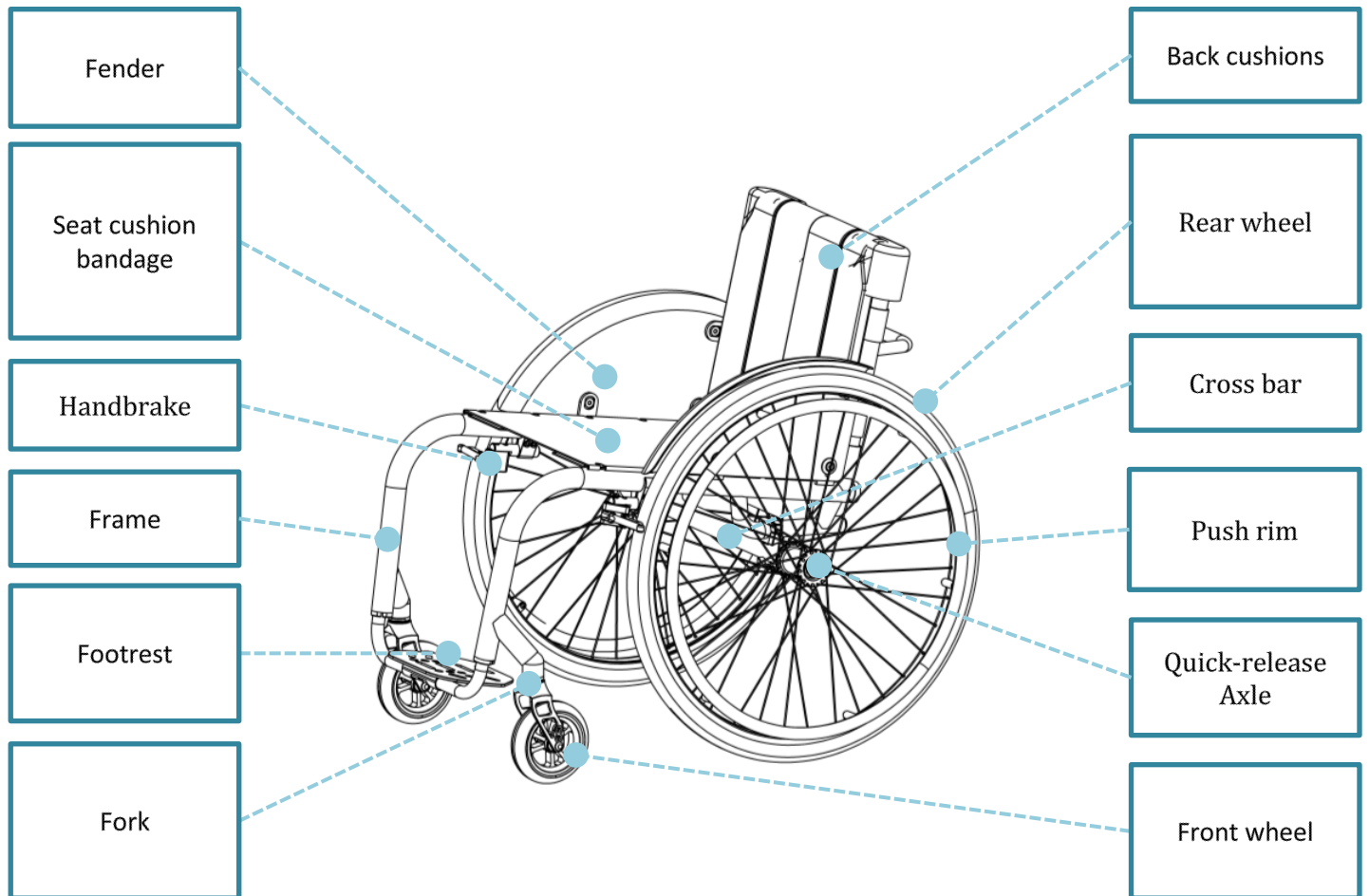
Model List

Model	MW211402Ti	MW211403Ti	MW211501Ti	MW211605Ti
Seat width X Seat Depth	14X17	14X17	15X16.5	16X16
Adjustable Footrest (height)	✓	✓	–	✓
Foldable Backrest	✓	–	–	✓
Front Seat Height Adjustment	–	–	–	–
Adjustable COG	–	✓	–	✓
Adjustable Rear (height)	–	–	–	–
Adjustable Push Handle (height)	–	–	–	–
Adjustable Backrest Angle	–	–	–	–
Adjustable Front Castor Angle	–	–	–	✓
Adjustable Fender	–	✓	–	✓
Quick-Released Backrest	–	–	–	–
Foldable Anti Roll	–	–	–	✓
Adjustable Foot Pedal Angle	✓	✓	–	✓

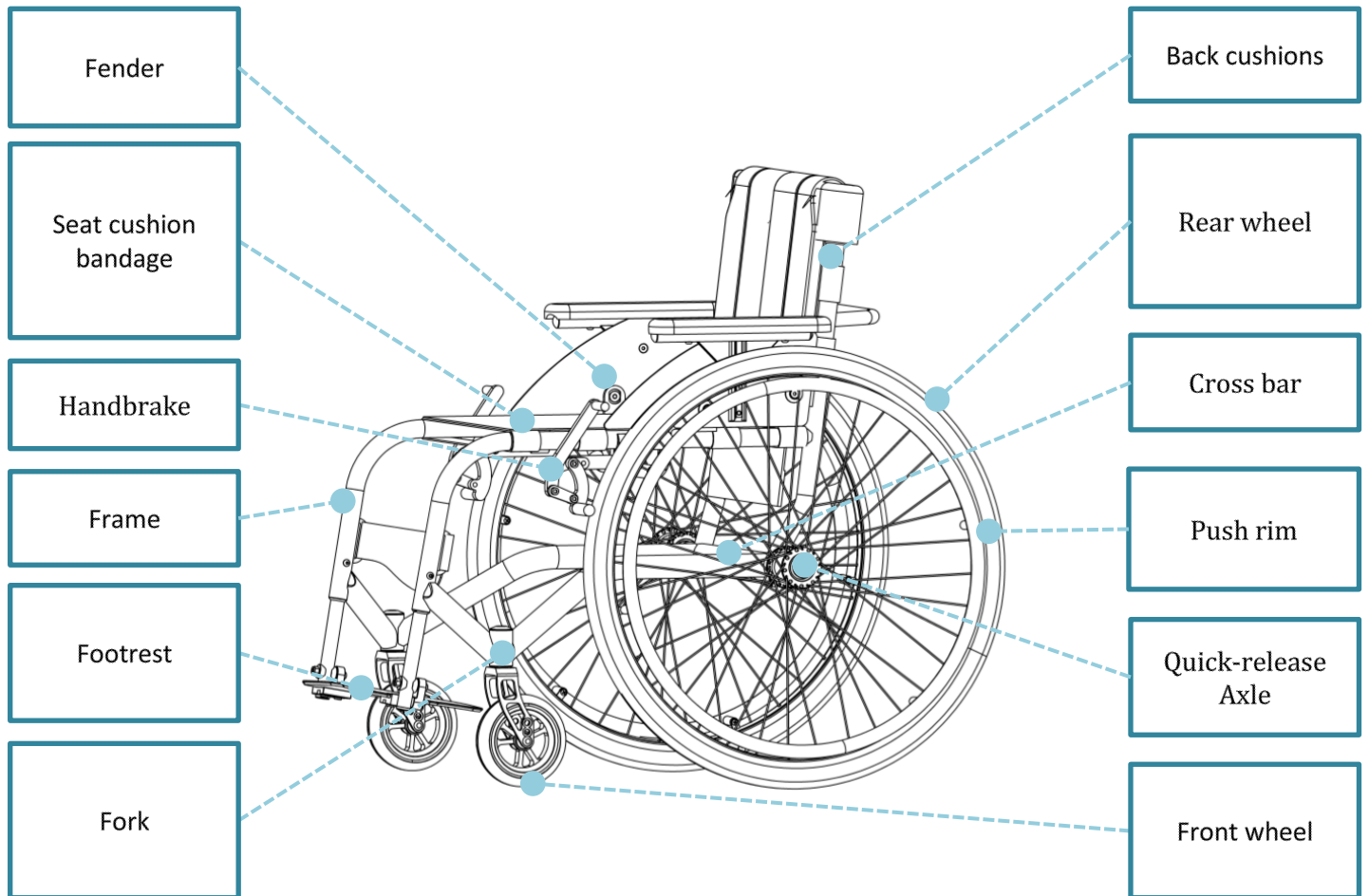
1. Simple Structure *Figure* (MW211402Ti)



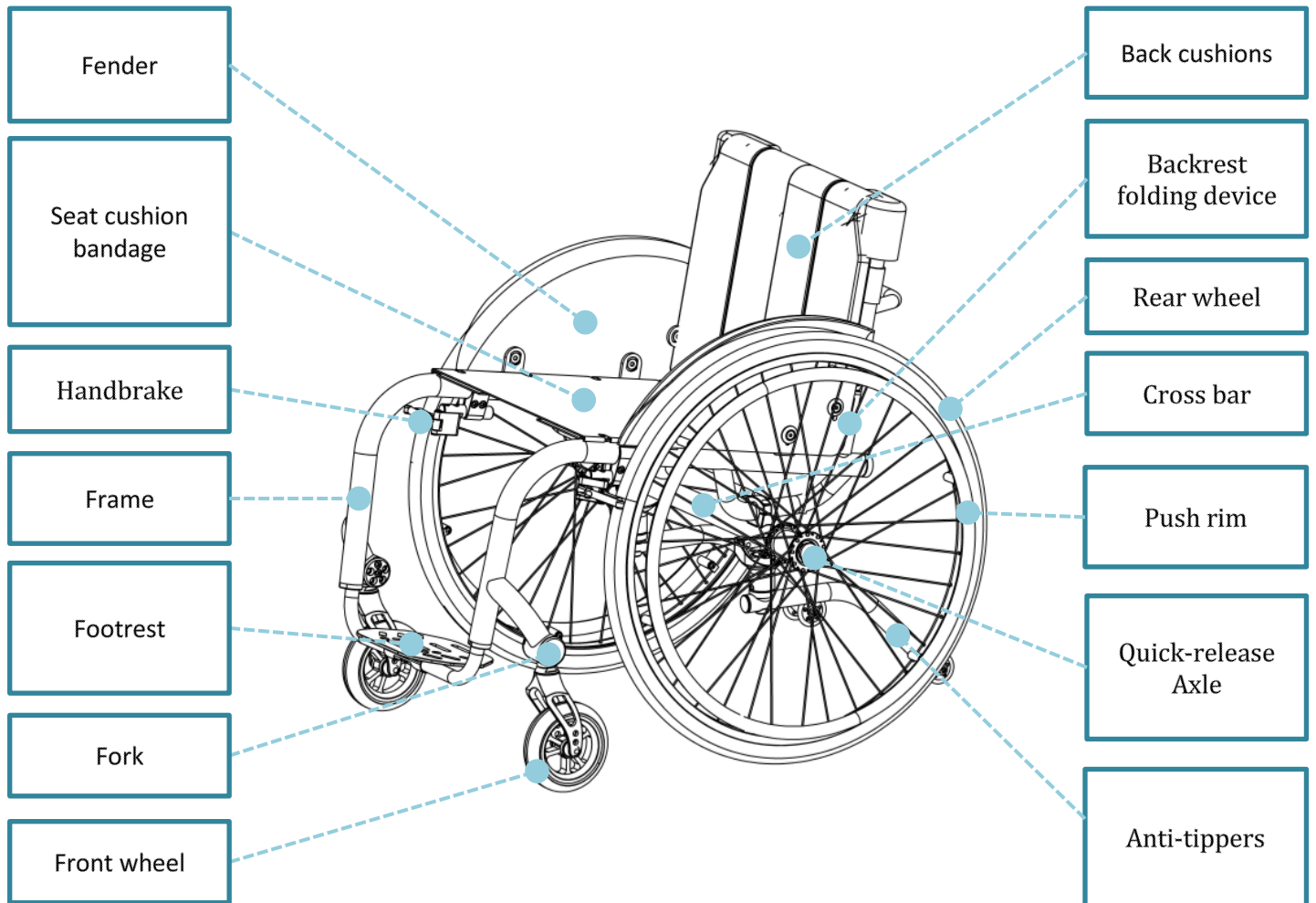
2. Simple Structure *Figure* (MW211403Ti)



3. Simple Structure *Figure* (MW211501Ti)



4. Simple Structure **Figure** (MW211605Ti)



5. General Safety **Instructions**

Please read the instructions for use first.

Be familiar with the product's proper handling and features before use. Failure to follow these guidelines may put your safety at risk. Even with careful use, please remember that certain unexpected conditions are still inevitable.

Avoid going up or down the stairs unless assisted by attendants. Use ramps or elevators when possible.

If no wheelchair-friendly route is available, two attendants should lift the wheelchair safely over the barrier.

Flip up the footplates before getting in or out of the wheelchair whenever possible.

Using the wheelchair without proper practice could result in accidents.

Take time to practice on flat, even surfaces to understand how the wheelchair behaves, especially on inclines, slopes, or when navigating curbs or steps.

Ensure someone assists you when you practice, and consider using an anti-tipper device if you're new to using a wheelchair.

Do not ascend or descend stairs without the assistance of attendants. If devices such as ramps or elevators are available, they should be used. If wheelchair-friendly access is missing, two attendants must carry the wheelchair over the obstacle.

Do not exceed the maximum load capacity of 120 kg to prevent damage.

If your tire or rim becomes damaged, the drive wheels must be replaced.

These types of wheelchairs are not suitable for transporting users in these vehicles.

They must always be transferred to the installed seats. Being unable to do so may cause injury to the wheelchair user and put other passengers at risk of an accident.

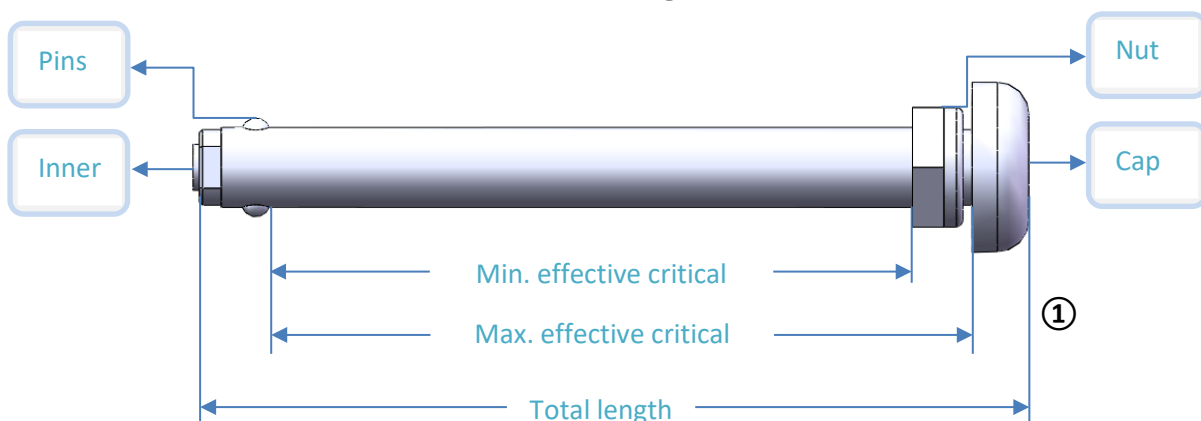
6. Delivery and Preparation for Use

Wheelchairs (including the rear wheels) that are usually delivered to the user are fully assembled and ready to use in just a few steps (e.g. model MW21 series). Because the rear wheels of the model MW21 series are equipped with quick-release shafts, the 24-inch rear wheels are not installed, and the user needs to refer to the letter L (left) R (right) to install the rear wheels correctly before they can be used. Please refer step 3.1 to assemble firstly before use.

The contents in 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)
 - 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

6.1 Install rear wheels by Quick-Release axles (Figure ①).



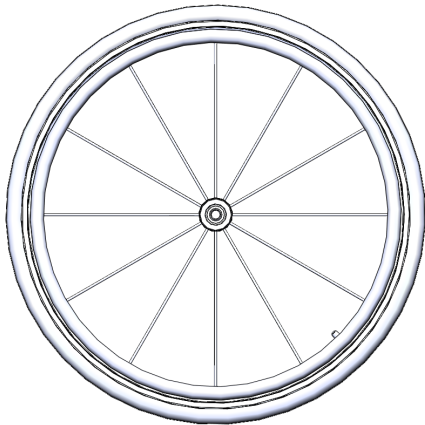
Press and hold the cap of axle, insert the center hole of rear wheel, and then insert the hole of wheelchair frame. (Figure ②)

Install the left axle and left rear wheel to the left side of the chair and install the right axle and right rear wheel to the right side of the chair. To determine about the sides of the wheelchair, unfold the chair and stand behind it, holding the handles: right and left side will be your right and left hands subsequently.

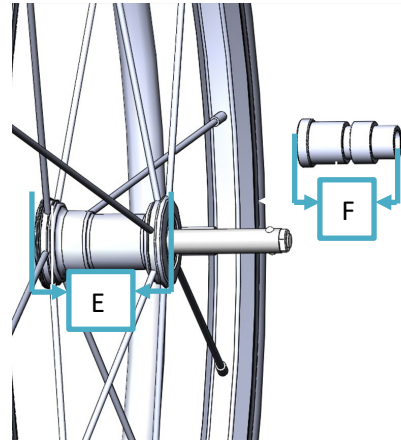
Confirm the pins is complete upspring and locked the axle and rear wheels; if the pins are not complete upspring, the inner rod is protruding at the same time, this is a sign that the axle needs to be adjusted. A wrench will be needed to move the nut while keeping the axle in a fixed position. Please adjust the nut of axle to increase the effective critical length from pins to nut, until the pins are complete upspring and the inner rod is inside the axle. Please note to check the axles frequently during use, if find the pins can't be upspring and/or the axles can't work, have to replace it at once and please don't use wheelchair when the axles are broken or defective.



Warning: Replacement axles are not adjusted to your chair. They must be adapted following the steps in this paragraph for a proper assembly of the wheels. Please observe the side (R, L) during adaptation. Please note, the critical length couldn't be longer too much than width of E plus F (Figure ③ item E, F), otherwise will cause the rear wheels shaking.



②



③

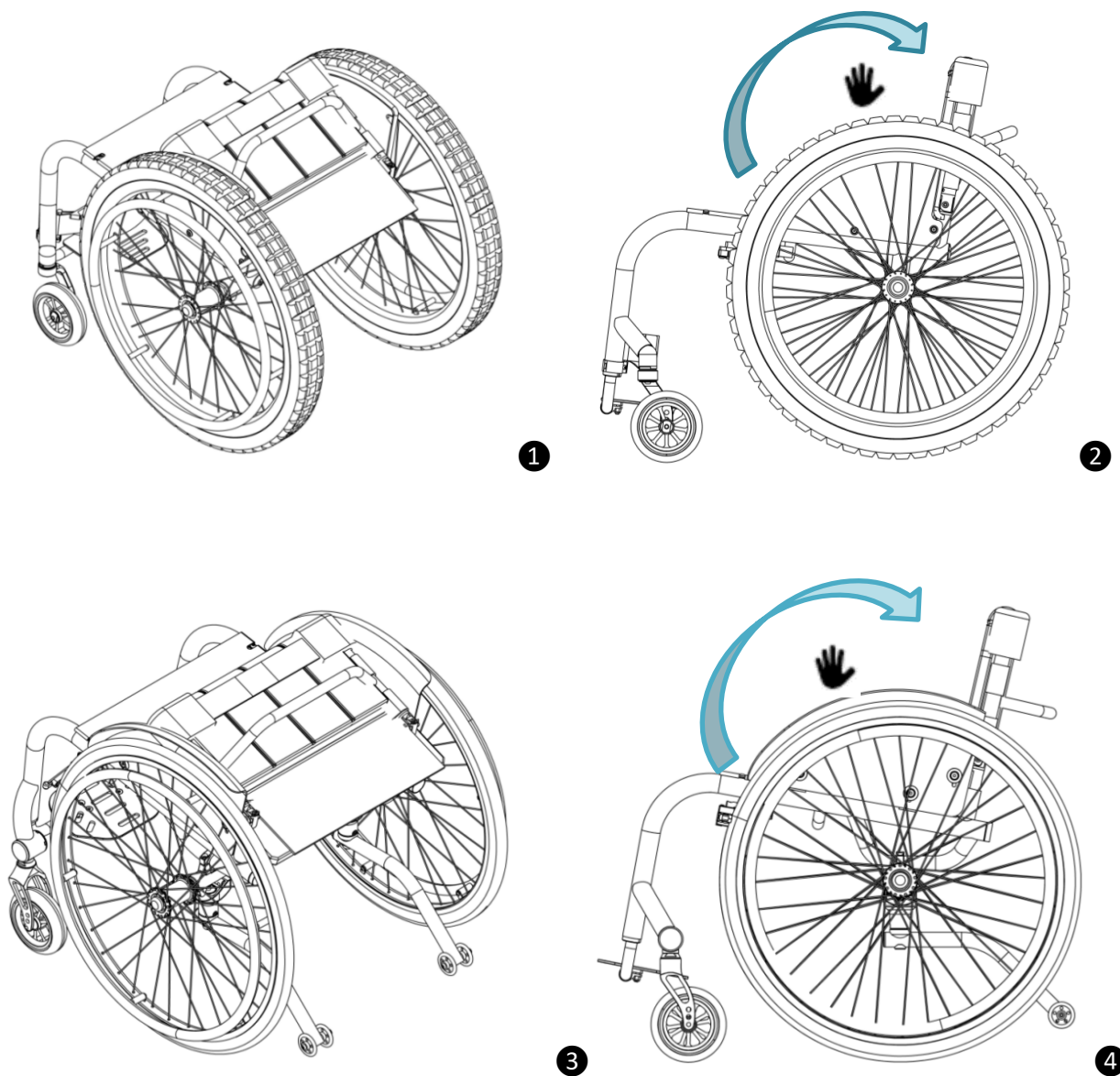


Warning: Before use wheelchair, please do confirm the rear wheels were fully inserted and settled, otherwise maybe cause the rear wheels detaching and personal injury and please adjust as above method.

- 6.2** When the tire has no air pressure, inflate it to the recommended pressure of 60-80 PSI using the included air pump. Locate the valve inside the tire's hub and attach the pump nozzle securely. Pump steadily while checking the pressure with a gauge. Once the correct pressure was reached, gently detach the pump nozzle to prevent air loss and reinstall the valve cap to protect the valve.

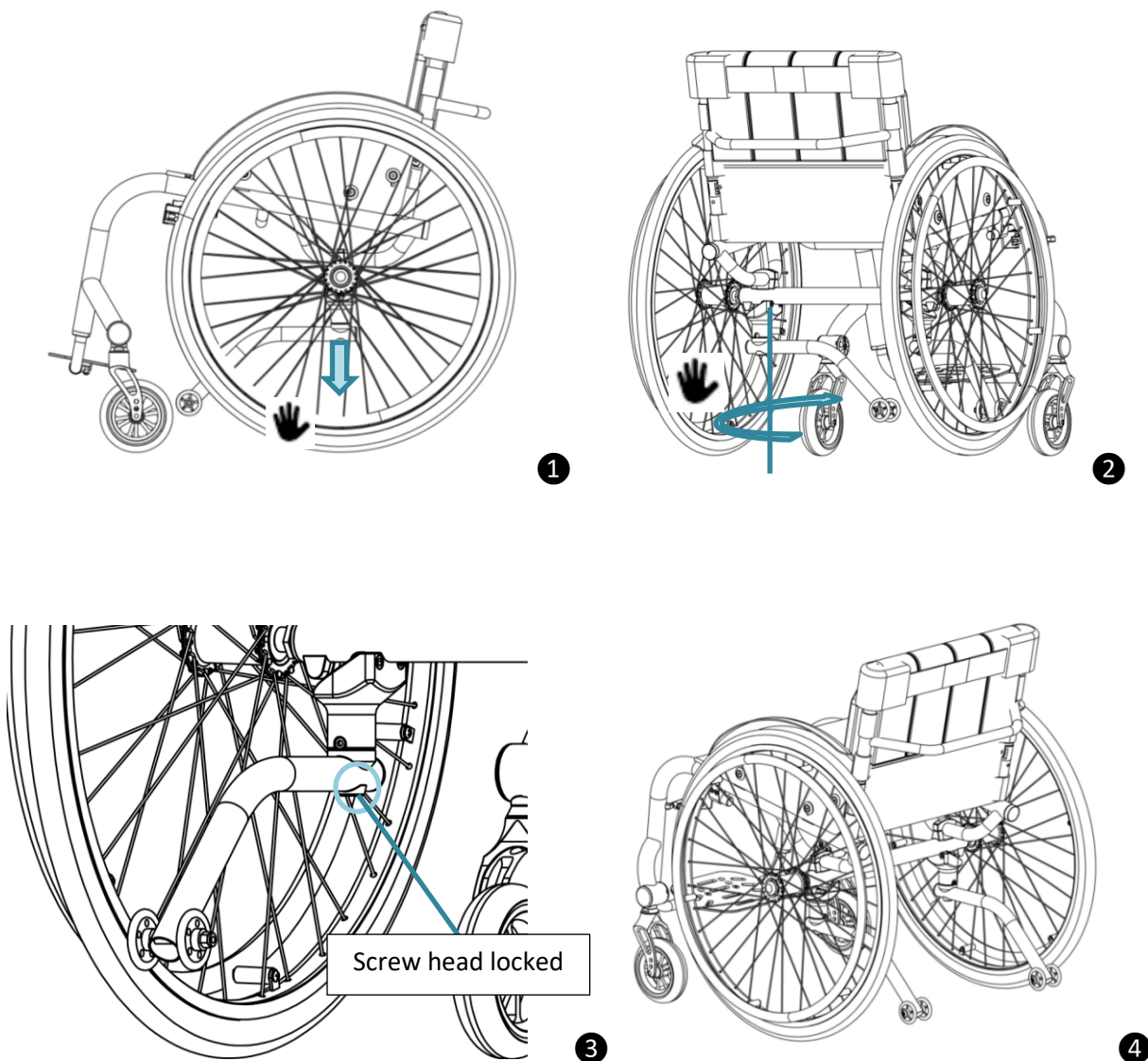
6.3 Unfold the Backrest (MW211402Ti & MW211605Ti)

If your wheelchair model has a folding function, the backrest is folded upon delivery of the product (Figures 1 and 3). Hold the backrest and pull it backward until it locks into place (Figures 2 and 4). To fold it, push the backrest forward.



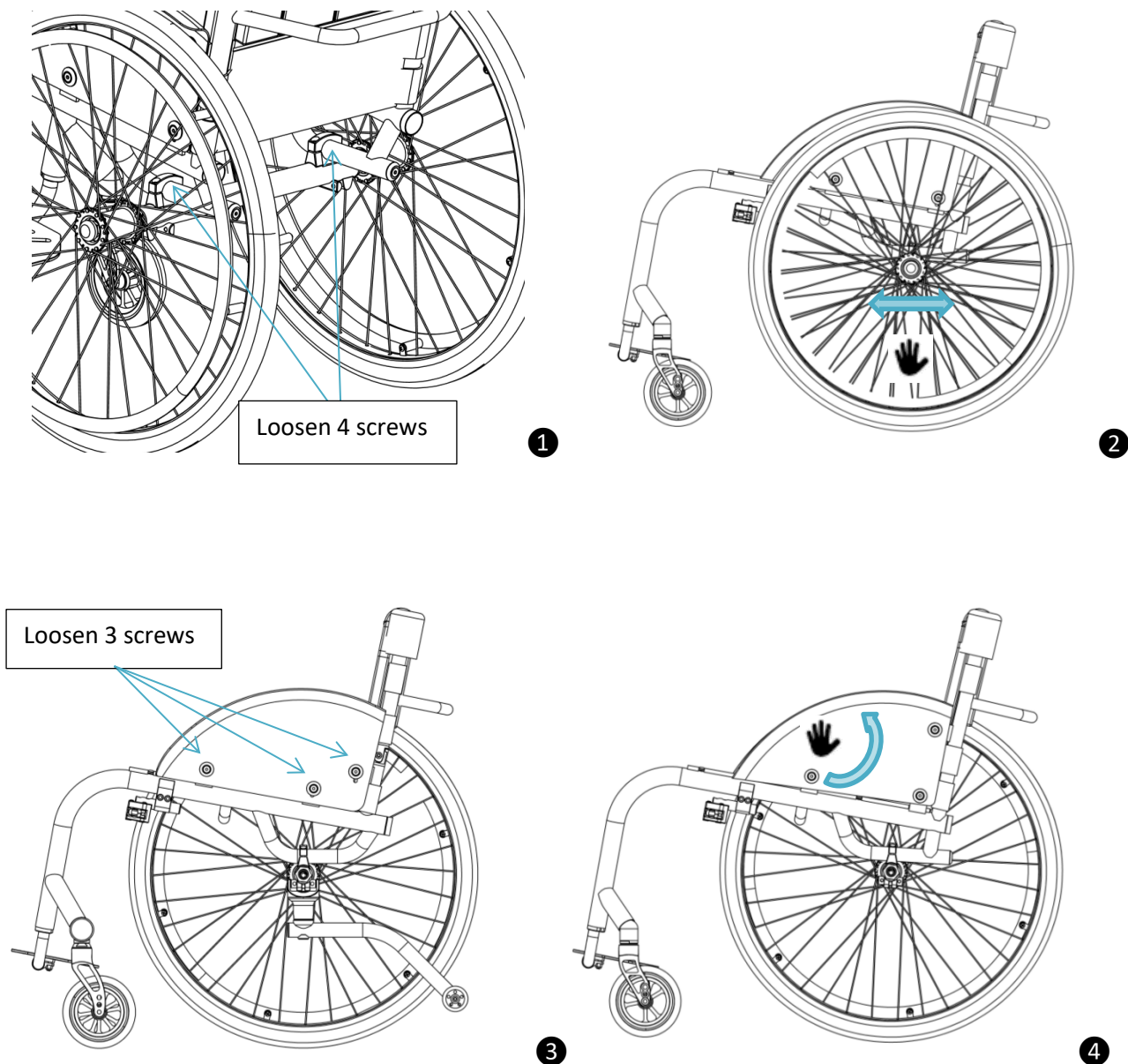
6.4 Unfold the Anti-roll Wheels (MW211605Ti)

Press the anti-tippers down (Figure 1) and turn them to the right (Figure 2) until the screw head locks into place (Figure 3). Repeat the same steps on the opposite side (Figure 4) to fully open the anti-roll wheels.



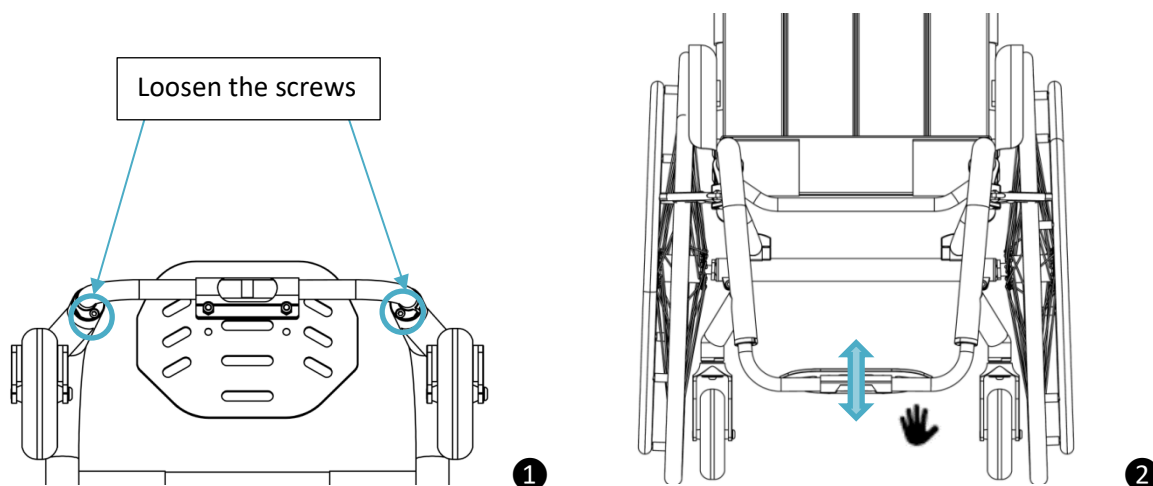
6.5 Fender Adjustment (MW211403Ti & MW211605Ti)

Use a tool to loosen the fixing screws to adjust the rear wheels' center of gravity (Figure 1). Shift the axle tube to your preferred position and tighten the screws (Figure 2). When you adjust the wheel position, the mudguard may sit too near the tire. To fix this, loosen the 3 screws on the side of the protective plate (Figure 3), rotate it to match the correct spacing, and retighten the bolts (Figure 4).



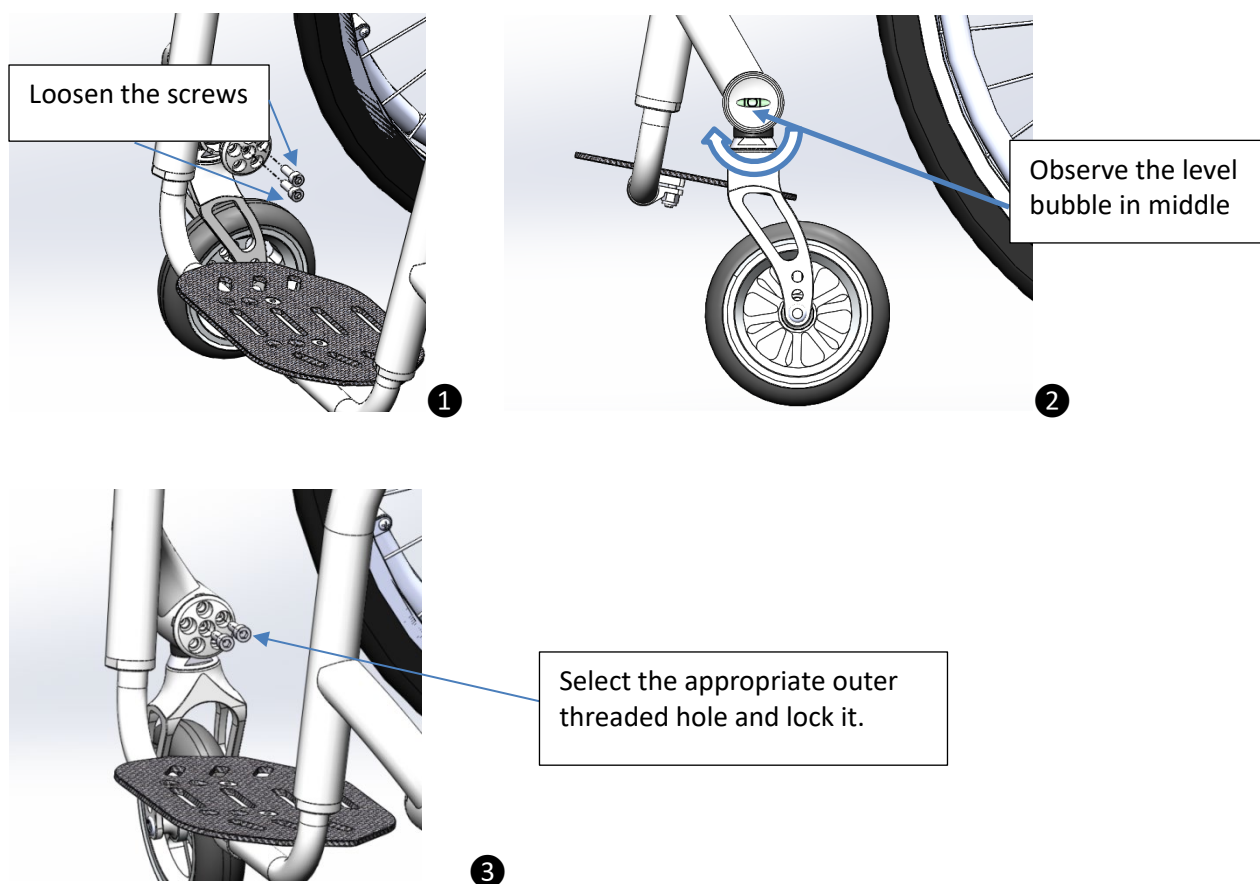
6.6 Footplate Height Adjustment (MW211402Ti, MW211403Ti & MW211605Ti)

To adjust the footplate height to your preference. Remove the screws, reposition the footplate to a suitable height, and tighten it again (Figure 2).



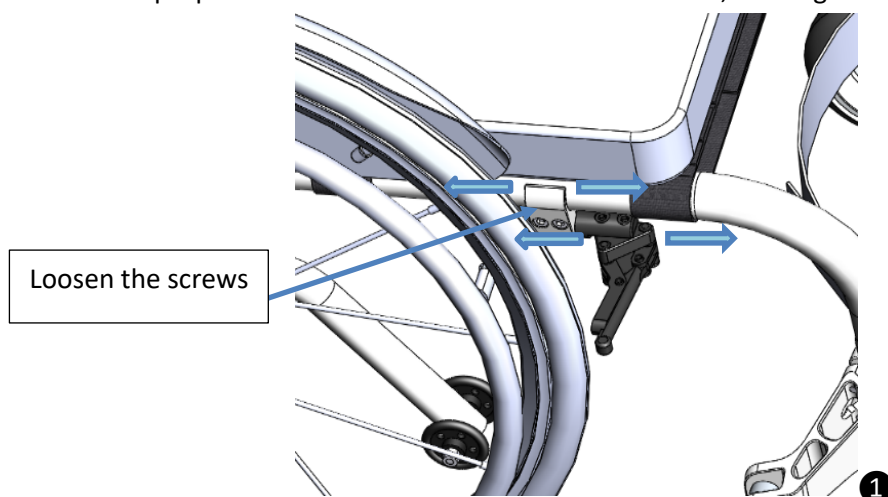
6.7 Front Wheel Angle Adjustment (MW211605Ti)

To adjust the front wheel angle, loosen the two screws first and remove the fixing components (Figure 1). Then, rotate the front wheel while observing the level gauge, ensuring the wheel is positioned at a 90° angle to the ground (Figure 2). Reinstall the fixing parts and choose the correct threaded holes on the outer ring before tightening the two screws (Figure 1).



6.8 Usage of Brakes (MW211402Ti, MW211403Ti, MW211501Ti, MW211605Ti)

Using an Allen wrench, loosen the 2 screws on the brake bracket. Move the brake bracket or brake rod to set the proper distance between the brake and the tire, then tighten the screws back.



7. Maintenance, Cleaning and Disinfection

7.1 Maintenance

Check	Before each use	Monthly	Quarterly
Wheel Locks Function Test	X		
Quick-release Axle Loose	X		
Sagging - Seat and Back Upholstery		X	
Checking Footplate Stability		X	
Visual Inspection of Worn Parts (e.g., tires, bearings)		X	
Dirt on Bearings		X	
Push Rings for Damages		X	
Folding Mechanism - Wear and Tear		X	
Check Break Locking Status		X	
Spoke Tension of the Rear Wheels			X
Screw Connections			X

- Before using it each time, check the wheelchair's main functionality - especially the wheel locks, quick-release axles, and brakes. Safety nuts should not be reused. If they have loosened multiple times, they need to be replaced.
- If you notice any problems or signs of wear, contact your authorized specialist dealer immediately. This is especially crucial if the wheelchair's handling changes or it feels less stable. Scheduling regular maintenance every 12 months with your authorized dealer is highly recommended. Users should also check the functions listed above at the suggested intervals.
- To maintain smooth and reliable operation, follow the suggested cleaning and precautionary measures. The users can carry out these tasks.

- Hair and other particles often accumulate between the caster wheel and the fork, preventing it from running smoothly. Detach the casters. Thoroughly clean the forks and casters with a mild household cleaner.
- If moisture gets on the wheelchair, towel-dry it immediately.
- Never use the wheelchair in salt water. Keep sand and particles from damaging the wheel bearings.
- Regularly check all screw connections, especially when first using the wheelchair and after making any adjustments. If any screw continues to loosen, contact your specialist dealer.
- When the tire pressure is low, inflate the tires with an air pump to 60-80 PSI (pounds per square inch). Adequate pressure provides better support and shock absorption. It also ensures smoother movement across various surfaces and helps prevent slipping, excessive resistance, and tire damage. To keep the wheelchair's safety and reliable performance, maintain tire pressure at 60 PSI.
- Maintenance and repair of wear parts help ensure better product reliability and longer lifespan. Within the warranty period, present your warranty card when visiting an authorized service center for part replacements. By fully complying with the manufacturer's warranty, you maintain the full warranty coverage and receive proper after-sales support.

7.2 Cleaning and Disinfection

- Clean the upholstery using warm water and mild liquid soap. Use a soft sponge or brush to remove spots. Rinse thoroughly and let it dry completely.
- Avoid using harsh detergents, cleaners, solvents, or hard brushes.
- Do not wet-clean or machine-wash components. Only disinfect with water-based agents and follow the manufacturer's instructions.
- Clean the pads and handles before disinfecting. Use a mild detergent to clean plastic parts, frame, chassis, and wheels, then dry them completely.

8. Re-use / Disposal

8.1 Information on Reuse

This product may be reused. Like any second-hand device, it's subject to higher strain and wear. Its features and functions must remain consistent, safe, and must not put the users or others at risk within the product's life cycle.

Based on market data and current technology, the manufacturer estimates a service life of 4 years for the product. Given the proper usage, service, and maintenance instructions are implemented.

Storage at the dealers' or third-party locations is not included. Proper care can extend the product's reliability well beyond 4 years.

When the user reuses the product, it must be thoroughly cleaned and disinfected first. An authorized specialist should then inspect it to determine condition, wear, and possible damage. The user must replace any worn, damaged, or unfit components.

8.2 Information on Disposal

In disposing of a product, ensure all parts and components of the product must be disposed of and handled properly in accordance with the environmental protection regulations in the respective country.

9. Specifications & Measurements

Specifications	MW211402Ti	MW211403Ti
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	Carbon fiber	Aluminum alloy
Anti-tipper		
Brake	High strength steel brake	High strength plastic brake
Measurements	MW211602Ti	MW211603Ti
Total length	840mm	850mm
Total width	620mm	590mm
Total height	715mm	775mm
Folding width	610mm	-
Seat width	350mm	360mm
Seat depth	438mm	438mm
Backrest height	330mm	360mm
The back of seat to floor	390mm	410mm
The front of seat to floor	450mm	485mm
COG adjustment range	-	80mm
Transport weight	5.5kg	5.9kg
Net weight	10.8kg	9kg
Footrest to seat distance	340mm-400mm	350mm-410mm
Gross weight		
Weight capacity	120kg	120kg
Carton size		

Specifications	MW211501Ti	MW211605Ti
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	Carbon fiber	Carbon fiber
Anti-tipper		Foldable anti roll wheel
Brake	High strength steel brake	High strength plastic brake
Measurements	MW211602Ti	MW211603Ti
Total length	885mm	820mm
Total width	595mm	635mm
Total height	840mm	770mm
Folding width	-	630mm
Seat width	370mm	406mm
Seat depth	430mm	406mm
Backrest height	340mm	360mm
The back of seat to floor	490mm	420mm
The front of seat to floor	490mm	490mm
COG adjustment range	-	60mm
Transport weight	6.2kg	5.8kg
Net weight	10.3kg	10.5kg
Footrest to seat distance	380mm	340mm-400mm
Gross weight		
Weight capacity	120kg	120kg
Carton size		

(Please note that the above wheelchair measurements were taken manually. Actual measurements of your purchased wheelchair may vary.)

10. Warranty

Warranty	Warranty Period	Remarks
Frame	5 Year	Non-Deliberate Damage
Vulnerable parts	1 Year	Plastic parts, Tires, Seat and Back, Armrest pad, Footplate pad.

- The product warranty starts from the date of purchase. Please show a valid proof of purchase to use the warranty.
- Users must present the warranty card and purchase invoice for any warranty repairs. If not provided, repairs will be billed.
- If the warranty has expired, all labor and material costs will be charged. The user will also be responsible for the shipping costs.

WARRANTY CARD

[illegible]

Manufacturer Information

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