



Owner's Manual

JT10



Please read the Instructions of the Owner's Manual carefully before operating the Mobility Scooter

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JT10
Owner's Manual
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1st Edition

Cover picture: JT10 20AH
Your product may differ from the image on title
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Dear customer,





Congratulations on your new Mobility Scooter. On the following pages you will learn the basics of how to handle your new Scooter. Please read the Owner's Manual carefully before using your Mobility Scooter.




Scope of delivery

- 1 x Mobility Scooter JT10 20AH, 6km/h
- 1 x Front Basket
- 2 x Rear Mirror
- 2 x Armrests
- 2 x On/Off Switch
- 1 x Quick charger
- 1 x Owner's Manual

Symbols

| | |
|---|---|
|  | Warning! Important notice. Urgent attention! |
|  | Important instructions for use. Please note! |
|  | Company name and address of the manufacturer |
|  | Name and address of the authorized representative |

Reference Requirement



For flawless use of your Mobility Scooter an instruction is indispensable. Please consult your dealer, carer, nursing staff or doctor for advice.

- Improper and unintentional operation of the controls may result in accidents!
- High payload and user weight can influence the braking and steering on gradients!
Extreme caution!
- Use of the Mobility Scooter is not recommended in the event of the following symptoms and circumstances: Dizziness, acute nausea, fatigue and weather-related impassability such as icy or slippery roads.

Notes on electromagnetic compatibility

The electromagnetic compatibility within the scope of the requirements of the European Directive 93/42/EEC for medical devices is fulfilled

Intended use

Your Mobility Scooter is designed for indoor and outdoor use by people with physical disabilities, thus providing the user with a high degree of mobility. Its maximum payload is 136 kg.

Declaration of conformity



Jiangxi Jiangte Electric Vehicle Co., Ltd. As the manufacturer declares that its Mobility Scooter, Model No. JT10 20AH fully complies with the requirements of the European Directive 93/42/EEC for medical devices.

We also declare that the CE conformity is fulfilled.

Battery handling

- The batteries may only be removed from its housing by a trained specialist personnel. There is danger to life!
- The bridging of fuses is prohibited!
Short circuit, fire hazard, loss of vehicle control and fatal injuries may result.
- Only use the supplied charger. The use of third-party devices invalidates your warranty claim, as damage to the battery cannot be ruled out. There is also a risk of inflammation!

Disclaimer

The manufacturer declines all responsibility for personal injury or damage to property resulting from improper or unsafe use of the scooter. The manufacturer declines all responsibility for personal injury or damage to property resulting from improper or unsafe use of its products. Mechanical or electrical defects will be dealt with on a damage liability basis. The part or parts will be replaced or repaired, but the manufacturer cannot be held responsible for the damage or injury. The following guidelines are intended to help you use your scooter safely. Should you have any further questions regarding the correct use of your scooter, please do not hesitate to contact us.

Non-observance of the operating instructions, improper maintenance work and technical changes and modifications will invalidate the warranty and product liability.

Safety Instructions



Never operate the Scooter while under the influence of alcohol



Never use electronic radio transmitters such as radios or mobile phones during operation



Before maneuvering, make sure that there are no obstacles behind you.



Do not attempt to negotiate obstacles that are higher than the ground clearance value given in the table.



Ensure that no children are left unattended near the Scooter while the batteries are charging.



Do not move with your Scooter on motorways.



Never let go of the handlebars while driving and leave your feet on the Scooter.



Avoid driving through tight bends and emergency braking. To avoid accidents, do not use your scooter under weather conditions such as snow or ice

Basic safety instructions

- Drive your Mobility Scooter on roads with reduced traffic. Operation on main roads is not recommended due to the limited visibility of the Mobility Scooter. When operating on roads, the road traffic regulations apply. Careful, anticipatory driving is assumed.
- Ensure that your scooter is switched off before and after driving.
- Switching off your scooter while driving can cause the wheels to lock and cause accidents.
- Do not operate the scooter and accessories until you have received instruction from a competent person. Please contact your dealer, carer, or caregiver. Practice handling your scooter in an open environment without obstacles or other road users.
- We advise against taking prescription medication before driving. Please consult your doctor in advance.
- Do not exceed the maximum load limits of the scooter.
- Do not sit on the scooter while it is being transported. Make sure that the scooter is securely fastened.
- Take care not to come into contact with wheels (tires) when starting up the scooter. Make sure that objects are securely stowed and cannot get caught in the wheels.
- The anti-tippers provide an extra measure of safety. It is forbidden to disassemble them.
- It is forbidden to modify the scooter in any way. Injuries can be caused by improper use of tools. It is not recommended to use extension cables when charging the battery.
- When driving on inclines, take care to keep the scooter straight. Driving on a slope at an angle may cause injury.
- Do not drive up or down a road with a gradient greater than the angle of incline permitted for the scooter.
- Longer distances should not be travelled in reverse. Obstacles such as kerbs and steps should be negotiated in a controlled manner in forward gear.
- Reduce speed before a bend. Only in this way can a stable centre of gravity be maintained.
- Driving in rain, snow or fog and on icy, slippery or salt-covered surfaces can impair the function of the electrical system.
- Do not remain seated on your scooter when it is moved by a lifting or elevator device. Your scooter is not designed for this type of use. The manufacturer is not liable for any damage or injury resulting from this.

Inspection to be carried out before use

- Before Starting your Scooter, make sure all tires and brakes are in proper condition.
- All electrical connections must be firmly and properly installed.
- Check your scooter for corrosion regularly

Operational Features

Payload & weight limit

The maximum payload of your Mobility Scooter is 136 kg. Exceeding this will result in the loss of any warranty claims. The manufacturer is not liable for any resulting personal injury or property damage.

Tires

Your Mobility Scooter is equipped with pneumatic tires. Check the tread at regular intervals. Regular use on uneven surfaces outdoors can cause tread wear. If the tread wear is progressive, contact your dealer for maintenance

Temperature – heat and cold

Some parts of the scooter are sensitive to temperature changes and affect the operation of the scooter. Never expose your scooter to extreme cold and heat for long periods of time.

Very low temperatures below freezing can cause the batteries to freeze.

A safety function may result in a reduced maximum speed at very high temperatures. This prevents heat damage to engines and components.

Unpacking & Removal



Have at least one other person help you to remove it from the packaging. There is a risk of injury due to the heavy weight of the individual parts.

In order to set up your Mobility Scooter without external assistance, please proceed as follows:

1. remove all individually packaged parts.
2. carefully cut open all side edges of the carton.
3. set the motor clutch to "freewheel".
4. push the scooter forward out of the box.
5. start assembling the scooter. Refer to the following pages of this manual for details.

Description of Mobility Scooter



| Number | Description |
|--------|-------------------------|
| 1 | Controls |
| 2 | Seat with control lever |
| 3 | Basket, removable (5kg) |
| 4 | Battery Box, removable |
| 5 | Steering adjustment |
| 6 | Anti tilt wheels |
| 7 | Pneumatic Tires |
| 8 | Rear Mirrors |

Assembly instructions

The individual parts of your Mobility Scooter are easy to assemble. Follow the points below and the following pages of the "Adjustment" section of the Owner's Manual.

1. straighten the steering column, see section "Steering column".

2. install the battery:

Remove the battery housing and remove the insulating film from the contacts. Only then will the power be available!

3. charge the battery:

Fully charge the battery with the supplied charger. For more information, please read the section "Charging instructions".

4. seat assembly:

Insert the seat tube vertically from above into the receiver tube. Avoid using force, the seat tube must slide easily into the mounting tube.

Turn the seat slightly to the left and right after it has clicked into place to engage the seat.

Adjustment

Your Scooter is very easy to assemble and adjust.
Please follow the instructions below.

Steering column

On the underside of the handlebar is the hand knob.
Turn the hand knob counterclockwise to release it and
set the desired angle. Fully tighten the hand knob
before use.

DO NOT fully loosen the hand knob, as internal
components may become detached from the assembly



Check the condition and strength of the steering column bolt before each journey. Riding on uneven surfaces and loading the basket too high can affect the strength.

Armrests

There are two hand screws on both sides of the seat. Turn the hand screws counterclockwise to release them. Once they are loose, you can move the armrests in or out to the desired width. Tighten them again when a comfortable width is reached or remove the armrests completely for transport.

When removing the armrests for transport, make sure that the hand knobs are tightened again to prevent them from falling out or rattling.



Seat

To remove the seat, fold the backrest of the seat forward and simply lift the seat off the chassis while operating the side tension lever. Do not hang luggage or other objects on the back of the seat as this may affect its stability.



Seat height adjustment

First remove the seat and battery as described in the chapter "Disassembly". Loosen the fixing screw and adjust the handle to the desired height.

Reinsert the screw and tighten it. Reassemble the seat as described above.



The height of the seat is adjustable; stability may be affected by the center of gravity

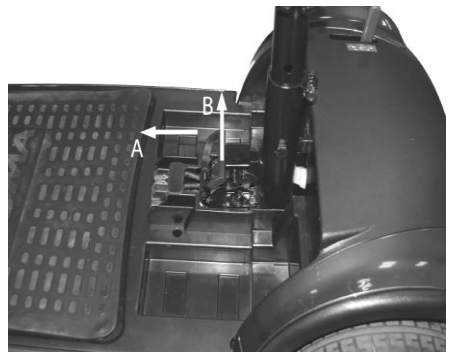


Disassembly

The Scooter can be easily dismantled into five parts for transport and storage. No tools are required. First remove the basket and seat.

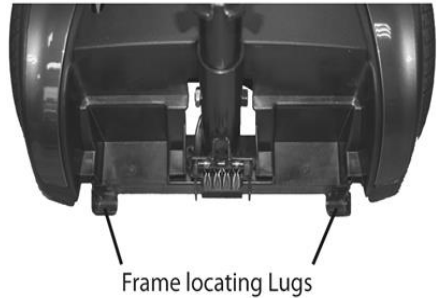


Remove the battery by pulling it upwards.



Locate the release lever as shown above. The lever is spring-loaded, lift it to the vertical position 'A'. While holding the seat post, lift the lever upwards 'B' to separate the two parts of the scooter.

To reassemble the rear part of the scooter, tilt it backwards and position the rear frame tube in the frame mounting eyes (see right). The scooter should then make a clicking sound to indicate that it is reassembled. Lift the release lever to ensure that the locking mechanism is fully displaced and that no foreign objects contaminate the mechanism. Remove the battery by pulling it upwards.



Locate the release lever as shown above. The lever is spring-loaded, lift it to the vertical position 'A'. While holding the seat post, lift the lever upwards 'B' to separate the two parts of the scooter.

To reassemble the rear part of the scooter, tilt it backwards and position the rear frame tube in the frame mounting eyes (see right). The scooter should then make a clicking sound to indicate that it is reassembled. Lift the release lever to ensure that the locking mechanism is fully displaced and that no foreign objects contaminate the mechanism.

Operating Controls

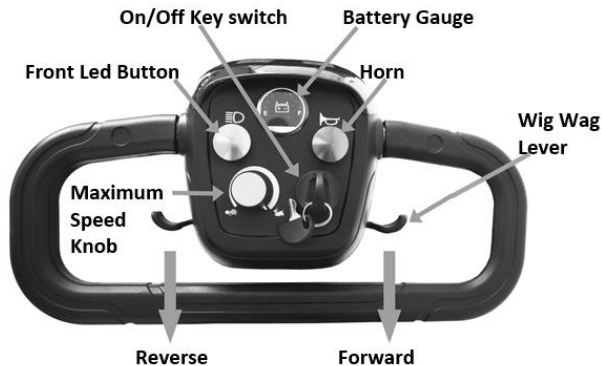
When choosing your speed, consider the relevant conditions.

For use in confined spaces and alleys, the lowest speed level should be selected.

To ensure safe and proper operation of the scooter, familiarize yourself with the functions of the controls in advance.



Functions



ON / Off Switch:

Insert the ON/OFF plug into the ignition lock and turn it clockwise (to turn it off, turn it in the opposite direction). If the scooter is ready for operation after the ON/OFF plug is plugged in, the LED will be steady green.

If there is a fault, this LED will flash. Please refer to the section "Troubleshooting". Pull the left or right wing of the drive lever to the rear to change the direction of travel of the scooter. The electromagnetic brakes are released automatically when you release the drive lever. The control lever will then return to its neutral starting position. The speed will now decrease until the scooter stops.

Battery Status Indicator:

The illuminated scale of the battery indicator shows the current battery charge status in three different colours. The red area on the left indicates that the battery is almost completely discharged. The green area on the right indicates that the battery is fully charged and the scooter is ready for use for its designed range.

Never fully discharge your scooter. This may damage the battery.

Cruise control:

Use the cruise control's control dial to adjust the maximum speed of the scooter. Turning the knob to the right increases the maximum speed. Turn it in the opposite direction to reduce the maximum speed.

Control lever Forward:

Pull the right lever of the control lever forward to drive the scooter forwards. You can regulate the starting speed by carefully pulling the control lever.

Control lever Reverse:

Pull the left side of the drive lever forward to drive backwards.

Horn:

To alert other road users to your presence, press the horn button.

Drive:

Insert the on/off plug into the ignition switch to switch on the scooter (remove the plug to switch off). Use your fingers to move the control levers back and forth to determine the direction of travel of the scooter (the control lever is located on either side of the control unit and moving the control lever back to the neutral position (center) reduces the speed and stops the scooter by automatically applying the electromagnetic brakes.



After actuating the on/off plug, the electronics carries out a self-test. The operating status is indicated by the LED display. Constant flashing of the LED display indicates that a fault is present. Please refer to the section "Troubleshooting".

Reach and Performance

Different circumstances and usage habits can influence the driving characteristics of the Mobility Scooter. The range is influenced by the following factors, among others:

- Battery charge
- Battery charging behavior by the user
- Driver weight
- Ambient temperature
- Travel speed
- Terrain and gradient
- Starting frequency
- Weather conditions
- Tire condition
- Road surface

Brakes

Your Mobility Scooter has automatic electromagnetic brakes. These are automatically released when the scooter is switched on. Releasing the drive lever reduces the speed to a standstill.

Freewheel

The electric motors are designed to release the electromagnetic brakes when the Scooter is not in use or is switched off. They also offer a manually selectable freewheel setting. This decouples the engine from the transmission, allowing you to move or push the scooter when it is switched off.

To decouple the engine, pull the freewheel lever down to the freewheel position.

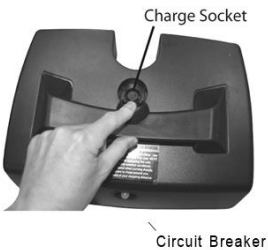


If the lever is in neutral position the motor is decoupled and the brake function is deactivated. Do not park the scooter in neutral position on a slope



Circuit breaker

The circuit breaker measures the current flow of the battery. To prevent damage due to overheating and heavy use of the batteries, the circuit breaker disconnects the power circuit. If the circuit breaker trips, switch off the scooter for 5 minutes. Switch the scooter back on and press the circuit breaker again. Normal operation should then be restored. Repeated activation of the circuit breaker indicates a malfunction. In this case, contact your dealer.



Battery and charger

It is recommended to use sealed, maintenance-free and cycle-proof batteries for your Scooter. Sealed lead-acid and gel batteries are cycle-resistant batteries with similar performance. Cycle-resistant batteries are characterized in particular by the fact that they can be recharged relatively quickly after power is provided.

Sealed lead batteries should be recharged as often as possible.

Technical data of the battery recommended for your Mobility Scooter:

| | |
|--------------|--|
| Type | Lead Acid Battery |
| Manufacturer | Zhejiang Chaowei Energy & Power Co.,Ltd. |
| Capacity | 2x20Ah |
| Voltage | 2x12V |



Depending on usage habits, terrain and driving conditions, the batteries have a range of up to **20 kilometers**. Even when the scooter is not in use, you should charge the batteries regularly. Note: Do not use car batteries. They are not suitable for a long, complete discharge. Their use in a Mobility Scooter also poses a safety risk. The useful life of a battery is very often directly related to the care it receives.

Information about the charger

The charger converts the standard mains voltage of 230 volts (alternating current) provided via a socket into direct current voltage. Your scooter is powered by direct current from the batteries. When the batteries are fully charged, the current supplied by the charger is almost zero. The charger thus prevents the battery from overcharging. Note: The batteries cannot be charged if they have been discharged to such an extent that the voltage is almost zero volts.

Charging

The proper and correct charging behavior is responsible for the trouble-free operation of your Mobility Scooter.

Always charge the battery before it is completely discharged. A residual capacity of > 20% is important for the life expectancy of your battery.

Always complete the charging cycle completely, so always charge to 100%.

In phases where your device is left standing for a longer period of time (> one week), ideally disconnect the batteries from the device and store them in a warm (25°C) and dry place. Before the first journey after a longer break, please charge the batteries to 100% and only then should you continue using the device. If you do not have the possibility to disconnect the batteries from the device, then you should check the charge status approx. every 2 weeks and perform a full charge at a battery status of approx. 25%.

Only charge the batteries when the ON/OFF plug is turned to the OFF position.

Depending on the type and condition of the batteries, a full charge usually takes four to eight hours. When charging is complete, the status LED on the charger will light up green. If the batteries are charged longer than necessary, the batteries will not be damaged. If the scooter is used on a daily basis, it is recommended that the batteries are then recharged to full charge.

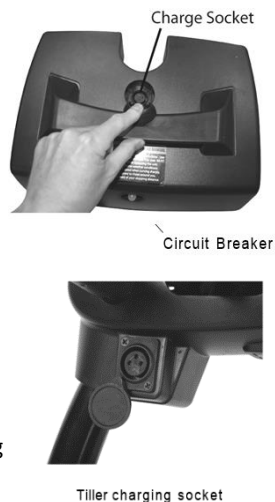
Only use the supplied charger or a replacement unit from the manufacturer.
There is a risk of ignition with third-party devices!
Any warranty claim for third-party devices will be voided.
The battery can be damaged by using third-party devices.



Loading Instructions

You can charge the scooter via the charging socket of the battery box or via the charging socket on the handlebars

1. make sure that your scooter is sufficiently close to a power outlet.
2. switch off the scooter using the on/off plug.
3. Remove the cover of the charging socket.
4. Insert the charger plug into the charging socket.
5. Plug the other end of the power cord into a power outlet.
6. The charging status is indicated by the battery status indicator.
- 7 After charging, unplug the charger from the power outlet.
8. unplug the plug from the charging socket. Your scooter is ready for use againYou can charge the scooter via the charging socket of the battery box or via the charging socket on the handlebars



Avoid wet and humid environments during charging. There is a danger of short circuits.

Maintenance and care of the batteries

Charge the batteries after each use of the scooter.

If a battery cannot be charged (i.e. if the LED is permanently orange or changes from orange to green very quickly), have a technician check the problem. The battery may be faulty.

The voltage difference between the two batteries of a power supply unit must not exceed 0.5 V. The battery housing should be inspected for dirt and traces of damage.

If the LED of the charger is red, please check if the unit is defective or if the cable connection is bad.

The battery housing including all connections must be kept clean, otherwise the charging process may be impaired.



Inspection and Maintenance

Take care of your scooter by regularly cleaning the controls and protecting them from moisture. Heavy soiling can be removed by wiping the bodywork with a slightly damp cloth. Keep the controls and seat upholstery away from water and moisture.

Regularly remove dirt such as lint, hair and small stones from the wheels and tires. Check the tread and look for signs of wear.

All moving parts can be maintained by lubricating with oil or petroleum jelly. Check the strength of all nuts and bolts used.

Maintenance and Repair

The maintenance effort for your **Mobility Scooter** is minimal. To ensure many years of trouble-free operation, follow these routine maintenance instructions.

To be checked daily

Carry out a visual inspection of the tire condition.

Check the battery status indicator on the control panel to determine if the batteries need recharging.

To be checked monthly

Perform a visual inspection of the control unit wiring harnesses. Make sure that the wiring harnesses are neither worn through nor cut, and that no wires protrude from them.

To be checked semi-annually

Check the carbon brushes of the motor. If your scooter does not run smoothly, your dealer should inspect the carbon brushes at least every six months. If the inspection reveals serious wear on the carbon brushes, they must be replaced, otherwise the engine will be damaged.

Check the condition of the battery pole terminals every six months. Make sure that the pole terminals are not corroded and that the connections are tight. Periodically apply a thin film of Vaseline to the surface of the terminals to protect them from corrosion.

Troubleshooting (control unit, electronics)

Your scooter is equipped with the latest electronic controls programmed to protect the electrical system from unusual overloads.

Fuses

There are two fuses on the battery cables to protect against possible cable overload.

Checklist

If your scooter does not work, please check that

- The device is switched on.
- All plugs and connections are firmly mounted.

- The battery status indicates full charge.
- The freewheel device is in the drive position
- The circuit breaker has tripped.

If the freewheeler was operated with the scooter switched on, the scooter will not operate until the key switch has been opened and closed. Your scooter is equipped with an S-Drive control unit (Penny & Giles) that continuously monitors the operating conditions of your scooter. Problems detected by the control unit are indicated by flashing signals from the ON/OFF status LED. Count how often the LED flashes, then check the following list to see which error is associated with the number of flashes

| Number of flashing signals | Error | Effect on the Scooter | Cause and measures |
|----------------------------|-----------------------------|--|---|
| 1 | Battery needs to be charged | Driving possible, scooter drives more slowly | Battery charge is getting weaker, charge the batteries as soon as possible |
| 2 | defective engine connection | Driving not possible | Check all connections and connections between engine and controller |
| 3 | Motor short circuit | Driving not possible | Check all connections between motor and battery |
| 6 | Blocking circuit activated | Driving not possible | Check whether the charger is still connected or whether there is a controller error |
| 7 | Throttle fault | Driving not possible | Check that the throttle levers are in neutral position. Defective potentiometer |
| 8 | Control error | Driving not possible | Check whether all connections are secure. Switch the scooter on and off, this may reset the code. |
| 9 | Magnetic Brakes error | Driving not possible | Check that the scooter is not in freewheel mode. Check the brake connections |

Technical Datasheet

| | |
|--------------------------------------|---------------|
| Length (mm) | 1080 |
| Width (mm) | 505 |
| Height (to seat back) (mm) | 870 |
| Battery performance | 20 Ah x 2Stk. |
| Max. User weight (kg) | 136 |
| Max. angle of inclination (°) | 12 |
| Weight with batteries (kg) | 60 |
| Max. Speed (km/h) | 6 |
| Wheel/ Tire size, front (mm) | 229 |
| Wheel/tire size, rear (mm) | 229 |
| Range with 20Ah (km) | 20 |
| Battery charger (Amp) | 1,8 |
| Turning circle (m) | 1,1 |
| Ground clearance (mm) | 80 |
| Seat width (mm) | 410 |
| Seat depth (mm) | 400 |
| Seat to bottom shell (mm) | 440-490 |
| Backrest height, incl. headrest (mm) | 370 |
| Seat to floor (mm) | 560 |

Weight of the components:

| | |
|---------------|---------|
| Front chassis | 19,5 kg |
| Rear chassis | 16 kg |
| Seat | 11,5 kg |
| Battery | 13 kg |

Passenger weight over 100 kg, rough ground conditions, low temperatures and battery condition can affect the maximum range.

Guarantee Declaration

Guarantee periods

- Battery: 6 months with proper handling/charging
Please observe the sections "Charging behavior" and "Charging instructions".
- Scooter frame: 24 months
- Electronics: 12 months
- Charger: 12 months

No guarantee can be given on the following parts, as the owner's usage behaviour determines the consumption/wear and tear

- Carbon brushes
- Tires
- Arm pads
- Seat and back upholstery
- Fuses/Lights
- Body panels for cracks or damage

Exclusion of warranty:

If the scooter is modified or used improperly, the warranty is void.

Model: _____

Serial number: _____

Date of Purchase: _____

Dealer-Stamp

Notes

Technical changes and errors.

Our policy is continuous improvement. We reserve the right to change specifications without prior notice.

Applicable law

German law is exclusively applicable to the contractual relationship with our customers.



Manufacturer:

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