

User Manual



Model Name: Pedaler

Safety and warnings

Thank you for purchasing the Multi-speed Scooter Bike. Please read and understand this manual carefully before using or operating the scooter. Follow the instructions and warnings to ensure proper usage of the scooter.

- Users must be in good health and wear protective equipment including an approved safety helmet; also, gloves, kneepads and elbow pads are recommended. Always wear closed toe shoes. Keep shoelaces tied and out of the way of moving parts.
- Be aware of the road and riding conditions. Roads must be flat and smooth. Do not ride on wet, oily, uneven, damaged, obstructed, or gravel roads. Do not ride on poorly lit roads.
- Slow down when making sharp turns. Avoid steep downhill slopes to avoid excessive use of the brakes.
- Only use the scooter for recreational purposes. Using the scooter for anything other than its intended purpose may damage the scooter or cause injury to the rider. Warning! In the absence of professional guidance, avoid any difficult or dangerous actions with the scooter.
- Firmly hold both handles. Do not make sharp turns and avoid any situations which require quick or abrupt stops. Be careful of other vehicles or pedestrians and always respect the rules of the road.
- The scooter is designed for users with a maximum weight of 100kg (220 lb) .
- Children should always ride in the supervision of an adult. The scooter should be assembled from its storage position by an adult to ensure the scooter is properly and safely unfolded before each use.
- Do not modify the scooter and always check for excessive wear prior to every use.
- Before each use of the Multi-speed Scooter Bike, check the brakes and make sure the scooter is properly unfolded. Please refer to the assembly and maintenance instruction section.
- Carefully check the steering system is correctly adjusted and connection components firmly secured before riding.
- Ride in well lighted areas.

I. General description

The core technology of the Multi-speed Scooter Bike's is its pedal power input mechanism. This pedal is patented and meets ASTM F2264 standards.

The Multi-speed Scooter Bike has several main functions, including entertainment, health, and travel benefits.

Specifications:

Main specifications

Maximum load: 100 kg (220 lbs)

Folded dimensions: 90 cm × 12 cm × 41 cm

Expanded (unfolded) dimensions: 98 cm × 12 cm × 106 cm

Weight: 7.18 kg

Tire Size: 20cm x 3.4cm

Tire material: Polyurethane (PU)

Brake Type: Rear wheel brake (new stationary brake design)

Body: Aluminum

Pedal: Aluminum

Fork: Steel

Plastic: Polypropylene (PP) high impact material

Maximum distance in reverse: 180 cm

Maximum speed: 30 km/hr

User age : 8+

Package information:

Warning: Reading the information supplied by the manufacturer.

User's Max weight: 100 kg (220 lbs)

Pedaler - the world's lightest and smallest folding bike.

The Scooter falls into a new category of Micro-bike. It is designed for short trips and mixed mode use with trains, buses and other forms of transport.

Enjoy mixed mode transportation with the Scooter user-friendly, minimal storage and security problems, your perfect companion for all occasions.

Features

Super-light design for folding bicycle at just 7.18 KG

Rapidly folds into ultra compact 91cm × 13cm × 40cm package

Tire material: Polyurethane (PU) wheel for super smooth ride

Optimized gearing for commuters and hill climbing

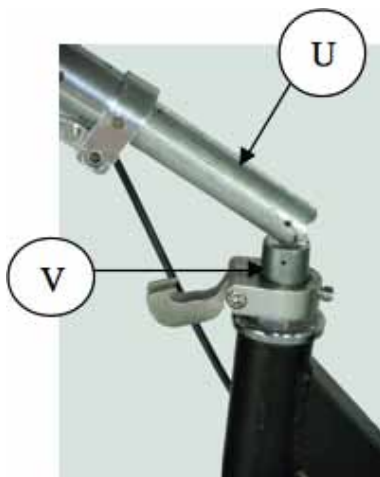
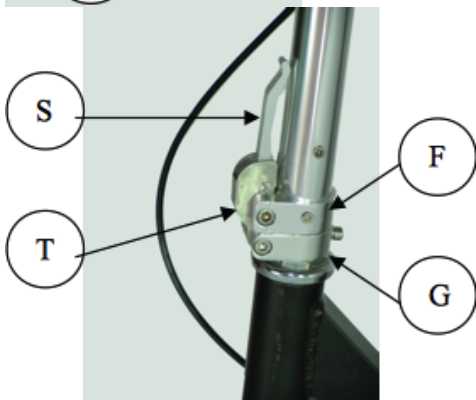
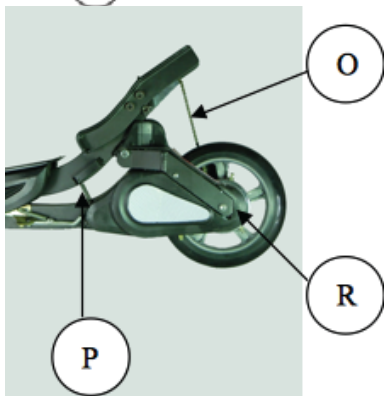
Easy carry handle

Supplied Accessories: Manual, Allen key 3PCS.

II. Product Structure



- A: Handle bar
- B: Brake lever
- C: Stem tube
- D: Upper clamp
- E: Steering column
- F: Lower clamp
- G: Folding clamp
- H: Front fork
- I: Front wheel
- J: Front pedal
- K: Rear pedal
- L: Pedal lever
- M: Main support bar
- N: Rear side guard
- O: Power chain
- P: Back-bit chain
- Q: Rear wheel
- R: Brake
- S: Folding lock lever
- T: Folding hook 1
- U: Folding bar
- V: Folding connector
- W: Folding hook 2
- X: Scaffold



III. Folding Procedure



Figure: Remove the folding handle



Figure: Handle bars should be folded towards the main body of the scooter



Figure: Open the folding lock lever to open the hook



Figure: Pull out the steering column



Figure: Pull out the steering column and fold the steering column down



Figure: Turn the front wheel 180°



Figure: Complete folding position

(A) Fast Folding:

Open the folding lock lever of the scooter. Pull out the steering column. Fold the steering column down and rotate it 180°. The scooter can be pulled or carried. This is the quickest folding method.



Figure: Pull out the steering column



Figure: Note the steering column is not latched onto the rear pedal

(B) Stable fold:



Figure: Hook the steering column to the U-shape on the back of the rear pedal



Figure: Hook the rear pedal to the back of the rear pedal as shown



Figure: Hook the steering column to the back of the rear pedal by pushing the quick release button on the steering column to extend it.



Figure: When the steering column is in place, shorten the steering column to lock the quick release

Fold the steering column towards the rear wheel of the scooter. Hook the steering wheel to the notch at the back of the rear pedal by slightly lifting the rear wheels off the ground to tighten the lock lever. If the handle bars are folded, the thickness of the scooter will be about 11 cm and the length 90 cm. The scooter can be carried horizontally or vertically. It can also be rolled using the rear wheel.



Figure: Place hand here for vertical carrying.



Figure: Warning! Incorrect hand position



Figure: Hold the steering column for horizontal carrying.



Figure: Front tow carrying



Figure: Rear tow carrying



Figure: Vertical carrying

(C) Transport Folding:

Open the folding lock lever of the scooter. Pull out the steering column and rotate it 180°. Fold the scooter, but do not hook to the fixed hook. Raise the front pedal to the steering column and then fold the handle grips. This folding method gives the scooter the smallest possible storage volume.

IV. Riding Skills

(A) Basic Riding Method

Hold the handle bars with both hands. Step firmly with one foot on the front pedal and the other foot on the back pedal so they form a T-shape. Pedal by moving the feet up and down alternately and continuously to ride the scooter. When the front pedal is at an upper position, the back pedal must be at a lower position, and vice versa. Repeat these steps and the pedals will release power to enable a continuous forward movement.



Figure: Correct position of the front foot



Figure: Correct position of the rear foot



Figure 1: Incorrect position of rear pedal



Figure 2: Incorrect position of rear pedal

Important: Pushing the rear part of the front pedal all the way down will make pedaling more difficult. When pushing on the rear pedal, slightly lift the front foot.



Figure: Pushing the rear part of the front pedal all the way down will make pedaling more difficult.

(B) Speed riding essentials

1. Middle-speed step method: With the front foot on the front pedal, start with pressure on the heel of the front foot. Then gradually move the center of gravity to the forward part of the front foot to complete one pedal stroke. The lift the front foot up to move the center of gravity back to the heel of the front foot. Note that the center of gravity change is small. When the front heel steps on the back part of the front pedal, it only requires a little pressure.

Repeating these steps, the scooter will move at a smooth and stable speed. In general, the road speed of this method achieves approximately 15 km/hr.



Figure 1: Step on the heel of the front pedal before shifting the focus to the balls of the front foot.



Figure 2: The front pedal should be depressed before pressing on the rear pedal.



Figure 3: The body's center of gravity moves from the heel of the front foot to the forward part of the front foot.

Important: The change in the center of gravity is small. The center of gravity moves from the heel of the front foot to the balls of the front foot. Then press the down on the rear pedal.

2. High-speed step method: Start with the front part of a foot on the front pedal. The center of gravity will remain on the forward part of the front foot. Push the pedal down with the balls of the front foot. When the front pedal is depressed, use the heel of the back foot to push down on the rear pedal. When the rear pedal is depressed, press down on the front pedal with the balls of the front foot. Using this method, one complete pedal cycle can be completed fairly quickly. The rear foot pushes down on the back pedal when the front foot is at its lowest point so that there is a synchronized continuous momentum. Users can also move the steering column to increase speed. In general, the speed of this method can achieve approximately 30 km/hr.



Figure 1: Press down on the front pedal with the forward part of the front foot and then press down on the rear pedal.

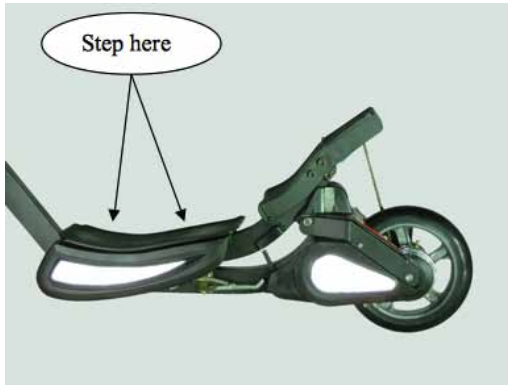


Figure 2: Quick, continuous pedaling

Important: Most of the power comes from the forward foot in the high-speed step method.

3. Low-speed step method: With the front foot on the front pedal, press down on the front pedal with the whole foot. When the rear pedal is at its highest position, immediately step back on the rear pedal while allowing the front foot to lift up. Using this method to ride scooter, a complete pedal stroke is small but the output power is great. This provides the strongest climbing ability. In general, the scooter can drive smoothly on a road with a 10° slope.



Figure 1: When pressing on the front pedal, use the heel. Then rock forward to the balls of the foot.

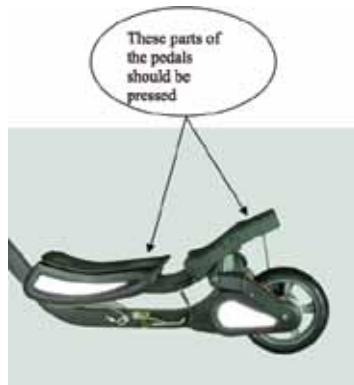


Figure 2: Immediately step on the rear pedal when it is in its highest position.

Important: The body's center of gravity will shift from the front pedal to the back pedal. The pedal stroke is small in the low-speed step method.

Recommendations:

1. Alternate stepping on the front and back pedals. The front foot should face forward and the heel should be firmly planted on the front pedal. This position can enhance power generating during pedaling.

Warning: Even though a user may stop riding, the scooter can continue moving forward.

Put the back foot on the back pedal and form a T-shape with the front foot. This position best allows the feet to support most body weights evenly.



Figure: T-shaped position

While riding the scooter, users can pull and push the steering column. This can help the body's center of gravity to move about. It can improve coordination around the feet. Riding the up slopes the steering column can also be pushed and pulled to increasing power and/or acceleration of the scooter.

(A) Appropriate users

The scooter is designed for users 100 kg (220 lbs). User age 8+. Elderly people and people in poor physical health need to pay special attention when riding the scooter. Avoid situations that

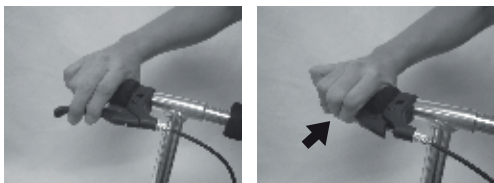
VI. Special Reminders

- (A) Front and rear feet must be placed in designated positions of the pedals. Place the feet in a T-shape by placing the forefoot in the middle of the front pedal pointed forward and the back foot on the middle of the back pedal's anti-skid strips. Avoid pointing both feet straight forward and do not use your toe to tread the rear pedal to drive the scooter. To start moving forward, accelerate the scooter slow, gentle and gradual.
- (B) Do not reverse the front wheel to ride. Doing so, may cause instability of the scooter.
- (C) Pay special attention to slippery surfaces, sandy roads, and damaged roads. Walk the scooter, rather than ride the scooter in these conditions.
- (D) Never put your hand into the protective shells or narrow spaces of the scooter. Doing so may cause injury to the user and/or damage to the scooter.
- (E) Always pay attention to road conditions, pedestrians, vehicles, etc. Brake gradually and avoid sudden braking.
- (F) Please ensure the self-locking nuts and other self-locking fixing are secure before using the scooter.
- (G) If the scooter fails for any reason, please stop using it, and immediately contact customer service or an authorized service center.

VII. Service Contact

National Sportings Goods
376 Hollywood Ave, Suite 202

Tel: 973-779-2323
Fax: 973-276-8419
E-mail: info@natsport.com



Brake the scooter

Attention!

Warning! Protective equipment should be worn.

WARNING! NOT TO BE USED IN TRAFFIC.

- ADULT ASSEMBLY REQUIRED.
- THIS PRODUCT IS FOR CHILDREN AGED **8** YEARS +.
- MAXIMUM RIDER WEIGHT 100 kg.
- ALWAYS WEAR A HELMET, WRIST, KNEE AND ELBOW PADS WHEN RIDING YOUR SCOOTER AND KEEP THE HELMET CHINSTRAP SECURELY BUCKLED.
- ALWAYS WEAR CLOSED SHOES WHEN RIDING YOUR SCOOTER.
- RIDE ON SMOOTH, PAVED SURFACES AWAY FROM MOTOR VEHICLES AND OTHER ROAD USERS.
- AVOID SHARP BUMPS, DRAINAGE GRATES, AND SUDDEN SURFACE CHANGES. SCOOTER MAY SUDDENLY STOP.
- AVOID STREETS AND SURFACES WITH WATER, SAND, GRAVEL, DIRT, LEAVES AND OTHER DEBRIS. WET WEATHER MAY IMPAIR TRACTION, BRAKING, AND VISIBILITY.
- DO NOT RIDE AT NIGHT.
- BRAKE MAY GET HOT FROM CONTINUOUS USE. DO NOT TOUCH AFTER BRAKING.
- AVOID EXCESSIVE SPEED ASSOCIATED WITH DOWNHILL RIDES.
- ADULT MUST ASSIST CHILDREN IN THE INITIAL ADJUSTMENT.
- OBEY ALL LOCAL TRAFFIC AND SCOOTER RIDING LAWS AND REGULATIONS.
- WATCH OUT FOR PEDESTRIANS.
- CHECK AND SECURE ALL FASTENERS BEFORE EVERY RIDE, TO AVOID PINCHING OR ENTRAPMENT.
- THE SCOOTER IS DESIGNED FOR ONE RIDER AT A TIME. DO NOT ALLOW 2 CHILDREN TO RIDE AT THE SAME TIME.
- DO NOT USE THE SCOOTER IF IT HAS ANY DAMAGE. REPLACE WORN OR BROKEN PARTS IMMEDIATELY.
- READ THE INFORMATION SUPPLIED BY THE MANUFACTURER.
- MAKE REGULAR CHECKS OF THE STEERING SYSTEM. ALSO ENSURE THAT ALL JOINTS AND CONNECTIONS ARE FIRMLY TIGHTENED. CHECK REGULARLY TO ENSURE THERE ARE NO BREAKS OR CRACKS ANYWHERE IN THE SCOOTER.
- Adults must assist children in the initial adjustment procedures to unfold scooter, adjust handlebar and steering to height, and finally to fold scooter.



Care

- KEEP THE PRODUCT IN A DRY PLACE. IF THE SCOOTER GETS WET, DRY METAL PARTS TO PREVENT RUSTING.
- CLEAN WITH DAMP CLOTH. DO NOT USE SOLVENTS OR BLEACHES FOR CLEANING.
- THIS SCOOTER IS EQUIPPED WITH PRECISION BEARINGS WHICH WERE FILLED WITH LUBRICANT AT HIGH PRESSURE DURING MANUFACTURING. FOR THIS REASON, THE WHEELS CAN ONLY RUN EASILY AND QUICKLY WHEN THERE IS A LOAD ON THE SCOOTER. THE BEARINGS ARE MAINTENANCE FREE.
- THE WHEELS SHOULD BE REPLACED WHEN THEY GET WORN DOWN.
- FOR YOUR OWN SAFETY, PLEASE USE ORIGINAL SPARE PARTS ONLY. DO NOT MAKE ANY STRUCTURAL CHANGES.
- SELF-LOCKING NUTS AND OTHER SELF-LOCKING FIXINGS MAY LOSE THEIR EFFECTIVENESS AFTER CUSTOMER SERVICES OR REPLACES PARTS, SO CHECK YOUR SCOOTER EVERY TIME BEFORE USING IT.
- NO MODIFICATION OTHER THAN TO THE MANUFACTURER'S INSTRUCTION SHALL BE MADE.

TRICK/STUNT RIDING AND WARRANTY

If you ride your scooter in a manner that places large forces and stresses on the product, the scooter will not be covered under warranty.

The scooter is designed to meet and exceed applicable safety standards, however the forces exerted through extreme riding will cause premature wear to all parts or failure.

