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VELECO ZT16

VELECO ZT16 Mobility Scooter User Manual

Model: ZT16 | Brand: VELECO

1. Introduction and Safety Information

The VELECO ZT16 is a 3-wheel electric mobility scooter designed for personal mobility. It offers ease of use and maneuverability, making it suitable for individuals seeking assistance with daily travel. This manual provides essential information for the safe and effective operation and maintenance of your ZT16 scooter.

Important Safety Warnings

- **Passenger Transport:** A mobility scooter is not designed to carry passengers in other vehicles. Ensure no one is on the scooter when it is being transported or moved by another vehicle.
- **Drive System Engagement:** The drive system should be re-engaged before an occupant is left unattended or attempts to operate the mobility scooter.
- **Weight Capacity:** Do not exceed the maximum load capacity of 120 kg (264 lbs).
- **Charging:** Always charge the scooter in a well-ventilated area. Do not expose the charger or battery to water.
- **Braking:** Familiarize yourself with both the hand and foot brakes. Always test brakes before riding.
- **Terrain:** While the ZT16 has large wheels, it is primarily designed for paved surfaces. Exercise caution on uneven or slippery terrain.

Official VELECO brand logo.

2. Setup and Initial Use

The VELECO ZT16 mobility scooter is delivered fully assembled and ready for immediate use. No complex assembly is required.

2.1 First Charge

Before your first ride, ensure the battery is fully charged. The charging port is located near the battery compartment, typically low on the frame. Connect the provided charger to the scooter and then to a standard electrical outlet. A full

charge takes approximately 6-8 hours.

Note: The battery cannot be easily removed for charging indoors. The scooter must be charged where it is stored.

2.2 Adjustments

- **Seat Adjustment:** The seat height and depth can be adjusted for optimal comfort. Loosen the appropriate levers or bolts, adjust the seat to your desired position, and securely tighten.
- **Handlebar Adjustment:** The handlebar can also be adjusted for height to ensure a comfortable and ergonomic riding posture.



The VELECO ZT16 mobility scooter, fully assembled and ready for use. Note the adjustable seat and handlebar.

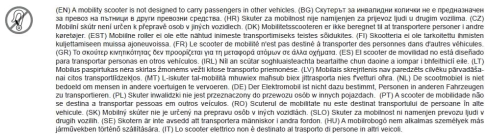
3. Operating Instructions

Operating the ZT16 is straightforward. Familiarize yourself with the controls before riding.

3.1 Controls Overview

- **Ignition Key:** Insert and turn the key to power on the scooter.
- **Throttle:** Located on the right handlebar. Gently twist to accelerate.
- **Brakes:** A hand brake is on the left handlebar, and a foot brake is on the right side of the footrest. Apply both for effective stopping.

- **Speed Selector:** Typically located on the right handlebar, allowing selection between 3 speed modes.
- **Reverse Gear:** A switch or button for engaging reverse.
- **Horn:** Button for the horn, usually on the left handlebar.
- **Lights:** Switches for front and rear lights.



Close-up view of the front headlight, essential for visibility.

3.2 Riding the Scooter

1. Ensure the scooter is on a flat surface and you are seated comfortably.
2. Turn the ignition key to the 'ON' position.
3. Select your desired speed mode (1, 2, or 3). Speed 3 offers a maximum speed of approximately 12 km/h.
4. Gently twist the right-hand throttle to begin moving. Increase throttle gradually for smooth acceleration.
5. To slow down or stop, release the throttle and apply the hand brake (left handlebar) and/or the foot brake.
6. Use the horn when necessary to alert others.
7. Turn on the front and rear lights when riding in low light conditions.





Front view of the VELECO ZT16, showing the front wheel and handlebar controls.





Rear view of the VELECO ZT16, highlighting the rear wheels and basket.

4. Maintenance

Regular maintenance ensures the longevity and safe operation of your VELECO ZT16 scooter.

4.1 Battery Care

- Charge the battery fully after each use, especially if the scooter will not be used for an extended period.
- Avoid completely draining the battery, as this can reduce its lifespan.
- Store the scooter in a cool, dry place when not in use.

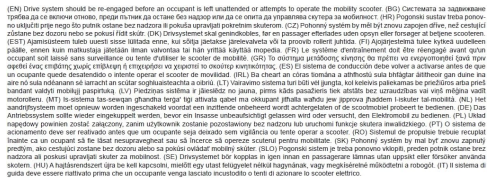
4.2 Brake System

- Inspect brake pads annually or more frequently depending on usage. Replace worn pads promptly.

- Ensure brake levers and cables are free from obstruction and operate smoothly.

4.3 Tires

- Check tire pressure regularly. Maintain recommended pressure for optimal performance and range.
- Inspect tires for wear, punctures, or damage. Replace if necessary.



Detailed view of the rear wheel and motor assembly, including the disc brake.

4.4 General Cleaning

Clean the scooter regularly with a damp cloth. Avoid using high-pressure washers or harsh chemicals that could damage electrical components or finishes.

5. Troubleshooting

This section addresses common issues you might encounter with your ZT16 scooter.

Problem	Possible Cause	Solution
Scooter does not power on.	Battery is discharged; Ignition key not fully turned; Loose battery connection.	Charge the battery; Ensure key is fully turned to 'ON'; Check battery terminals for secure connection.
Scooter loses power or range.	Battery not fully charged; Old or worn battery; Overloaded scooter.	Ensure full charge; Consider battery replacement if old; Reduce load.
Brakes feel weak or spongy.	Worn brake pads; Loose brake cable; Air in hydraulic system (disc brake).	Inspect and replace brake pads; Adjust brake cable tension; Consult a technician for hydraulic brake issues.
Front wheel loses grip easily.	Low tire pressure; Riding on slippery surfaces; Uneven weight distribution.	Check and inflate tire to recommended pressure; Avoid slippery surfaces; Adjust riding posture to shift weight forward.
Ground clearance issues.	Riding over obstacles; Uneven terrain.	Be mindful of terrain and obstacles; Avoid large bumps or curbs.

If you encounter issues not listed here or if solutions do not resolve the problem, please contact VELECO customer support or a qualified technician.

6. Specifications

Detailed technical specifications for the VELECO ZT16 mobility scooter.

Feature	Specification
Model Name	ZT16
Motor Power	750 W
Motor Voltage	48V
Max. Speed	12 km/h
Max. Range	25-30 km (15-19 miles)
Max. Load Weight	120 kg (264 lbs)
Dimensions (L x W x H)	130 x 68 x 106 cm (51.2 x 26.8 x 41.7 inches)
Product Dimensions (L x W x H)	130 x 68 x 125 cm
Brakes	Front: Drum, Rear: Disc (Manual hand and foot brake)
Wheel Size	Front: 16x2.5", Rear: 12.5x2.25"
Tires	Inflated tires
Battery Type	4x 12 Ah / 48 V Lead-acid
Charging Time	6-8 hours
Scooter Weight	51 kg (112 lbs)
Material	Plastic
Seat Width	46 cm
Seat Depth	46 cm
Handle Height	106 cm

7. Warranty and Support

The VELECO ZT16 mobility scooter typically comes with a 1-year warranty. Please refer to your purchase documentation for specific warranty terms and conditions.

Customer Support

For any questions, technical assistance, or warranty claims, please contact VELECO customer support through the retailer where you purchased the scooter or directly via the official VELECO website.

When contacting support, please have your model number (ZT16) and purchase details readily available.

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