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# User Manual



Model Number: TY91F0329

## 1 Handlebar Installation, Quick Release Screw Fastening

Swing the handlebar up, press the left side spring screw so that the handlebar is completely stuck into the normal position, and then press the quick release handle like down to the tightest, you can complete the installation of the handlebar.



## 2 Install the Taillights

Cut the taillight ties and install the taillights through the screws into the holes.

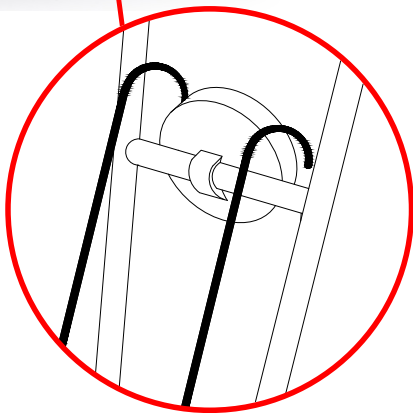


### 3 Install the Basket

Flip the display inward to the vertical position, hook the basket U-hook to the crossbar, and finally flip the display to the normal display position.

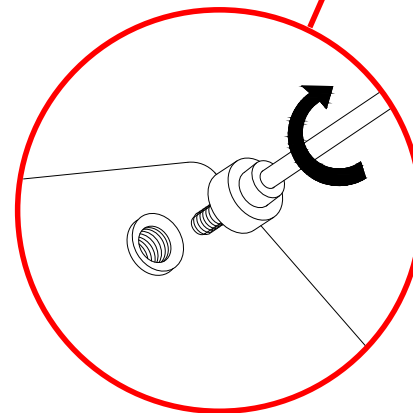


LED headlight



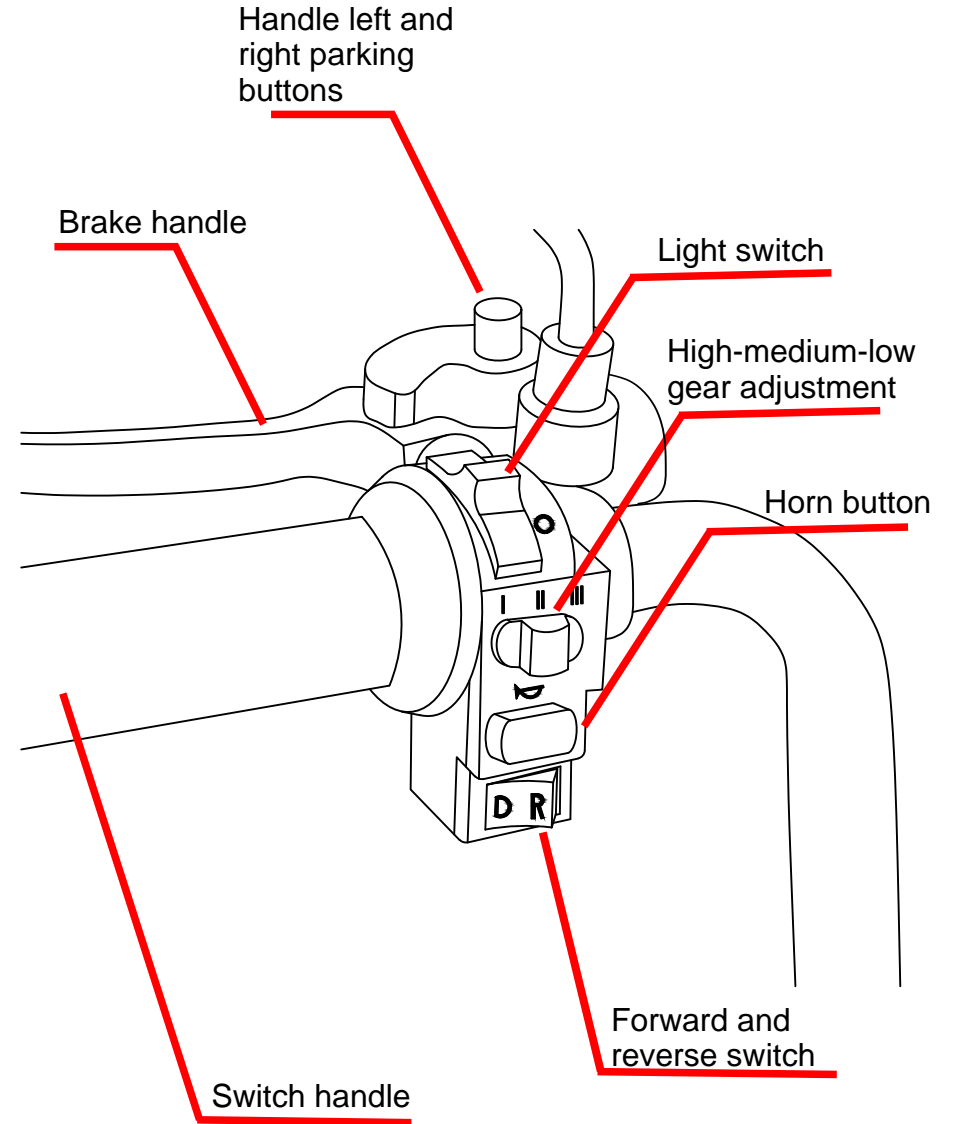
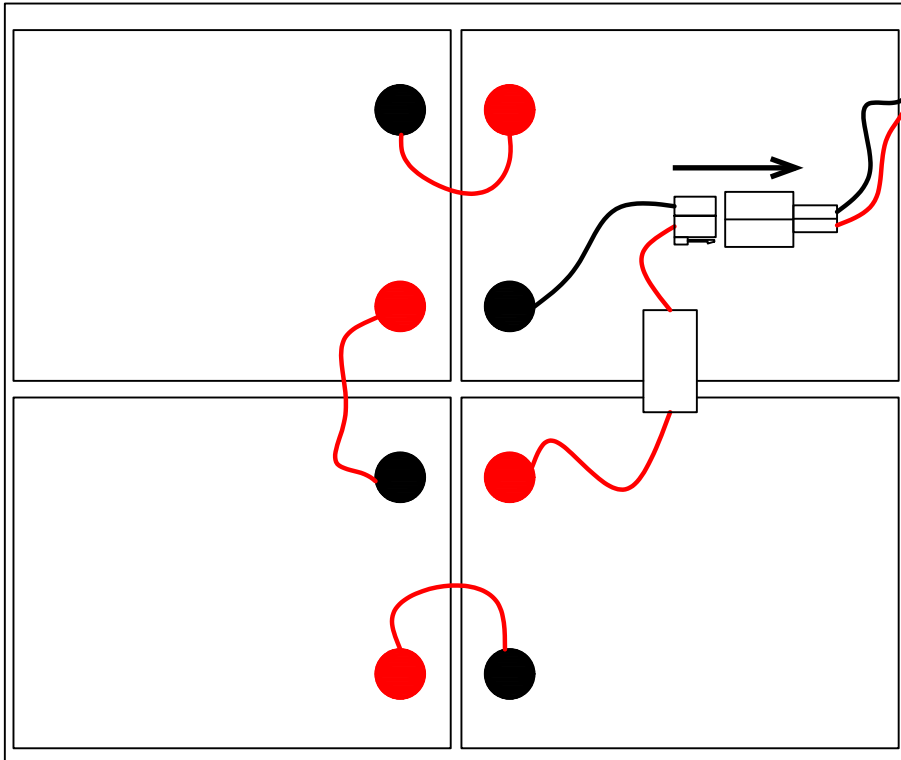
### 4 Installation of the Reflector

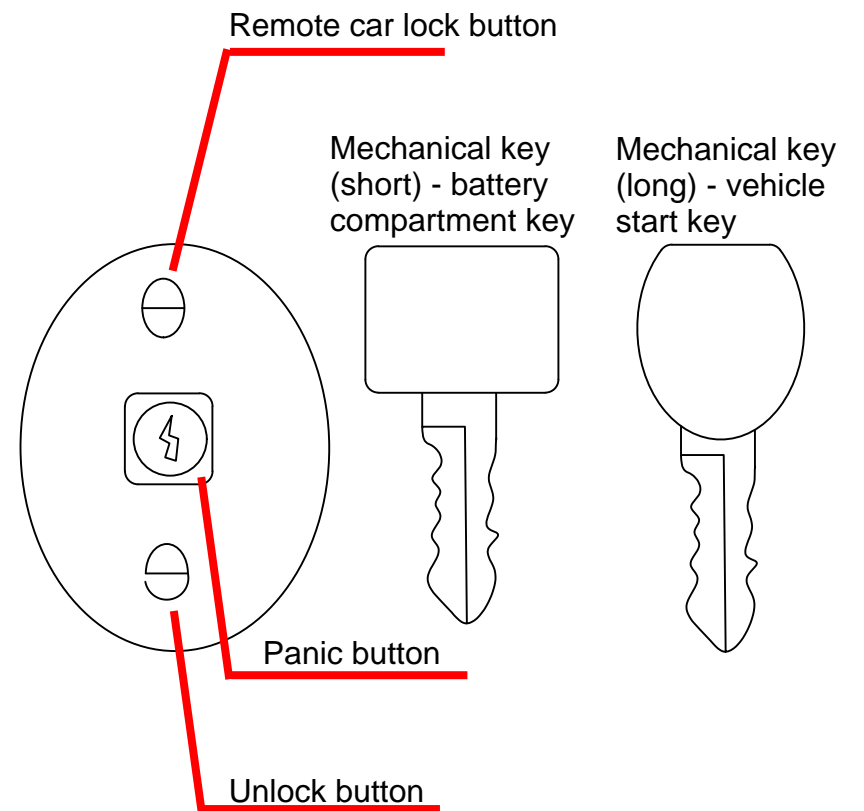
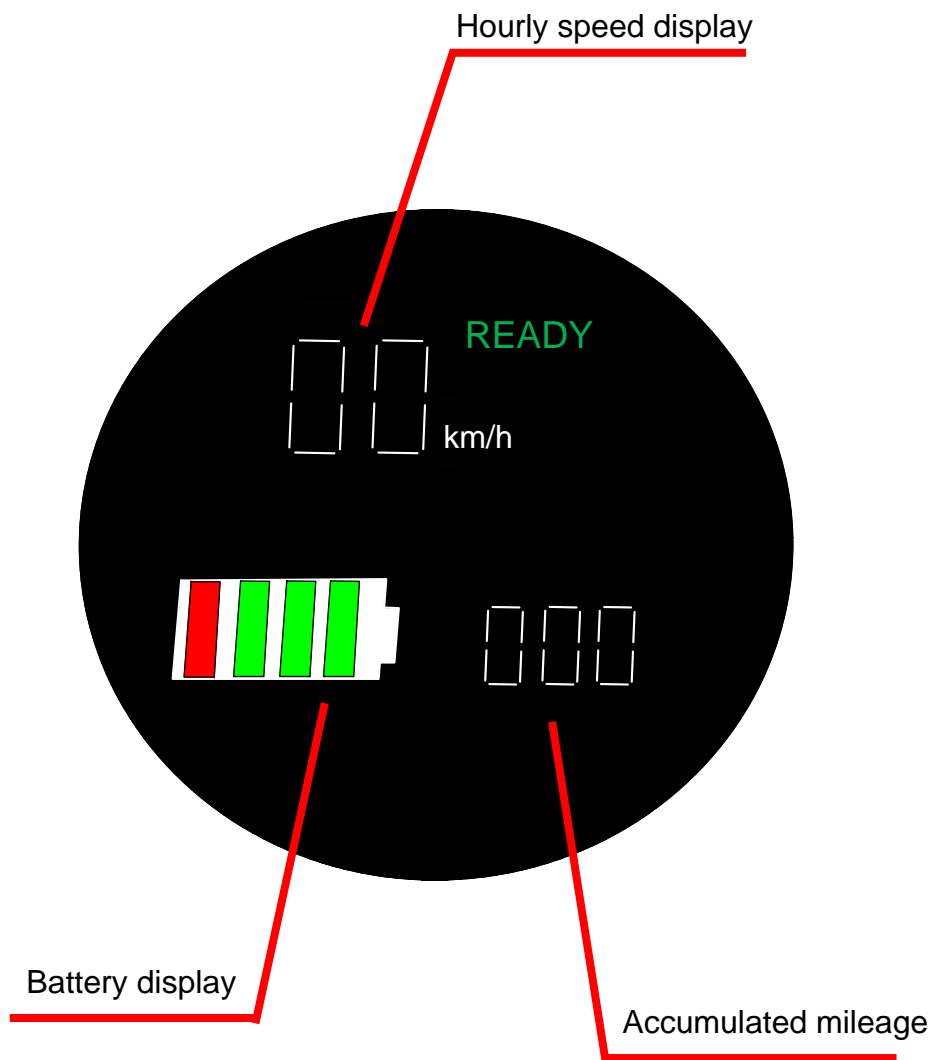
The reflector on the nut adjusted to the two-thirds position, the tail screws installed to the handlebar reflector screws in the hole position, clockwise rotation installation to the inability to continue to rotate, and then tighten the nut to complete the installation of the reflector.



**5** Connect the Battery Compartment Power Cable

Unlock the center seat, flip up the center seat, open the battery compartment cover via the short key, and connect the main power cable as shown.





Main Specifications	
Max. Speed	11.8 mph (19 km/h)
Range per Charge	More than 21.75 Miles (35 km)
Net Weight	83.8 lbs (38 kg)
Max. Weight Capacity	440 lbs (200 kg)
Power Consumption	5400KJ/62Miles (1.5kW·h/100km)
Main Specifications of Battery	
Type	Lead-Acid
Capacity	12Ah
Voltage	48V
Main Specifications of Motor	
Type	Brushless DC
Rated Output	350W
Rated Speed	175r/min
Voltage	48V
Rated Output Torque	7N.m
Main Specifications of Controller	
V <sub>qn</sub>	31.5V ± 0.5V
Current-Limiting Protection	15A ± 0.5A

No.	Fault	Fault Cause	Elimination Method
1	Speed control failure or the max. speed decreases	1.Low battery voltage; 2.High-speed handle damaged; 3.The spring in the governor handle is stuck or failed.	1.To fully charge the battery; 2.Ask the supplier for replacement; 3.Ask the supplier to replace the spring.
2	Motor hub does not work after connecting the power.	1.The battery cable loosed; 2.The governor handle damaged; 3.The motor hub connector loosed or damaged	1.Repair and reconnect; 2.Ask the supplier for replacement; 3.Find a professional for repair.
3	A low range after charging	1.Insufficient tire pressure; 2.Undercharging or charger failure; 3.Battery aging or damage; 4.Goes uphill more often; high wind resistance; frequently brakes and starts; heavy load.	1.Pump up the tires; 2.Check whether the charging plug is in bad contact or ask the supplier for replacement; 3.Replace the battery.
4	The charger does not work.	1.The charger socket is off or the plug is loose; 2.The safety cable in the battery box is burned off; 3.Cables of the batteries are disconnected.	1.Tighten the sockets and connectors; 2.Replace fuses; 3.Weld the connection wire.
5	Other	1.When you encounter a fault that cannot be eliminated by yourself under the above guidance or a fault that cannot be determined; 2.When the internal damage occurs to the motor hub, controller, charger, or battery pack.	When the above situations occur, please seek the supplier or repair station, and let professionals fix it. Do not open the above components by yourself. Otherwise, you may forfeit the warranty commitment of our company.



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## Notice

- 1.The seat position must be comfortable and safe, and for specific adjustment, please follow the seat adjustment at the rear of the handlebar.
- 2.The throttle handle should rotate flexibly, twist the direction handle upwards, and have no clearance or looseness.
- 3.The indicator is normal, and the horn sound is load.
- 4.The front and rear brakes are responsive and reliable, and follow the brake adjustment.
- 5.The rear mirrors are firmly installed, ensuring driving safety.
- 6.The front axle nut is fastened and not loose.
- 7.The front and rear tires are well-inflated and not worn out. Follow the tire pressure check.
- 8.The rear axle nut is fastened and not loose.
- 9.The battery box is in a locked state.
- 10.Maintain the lubrication of the body parts (apply proper lubricant to the front axle, rear axle, front fork, rotating parts, etc. every three months).

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## Battery Maintenance

The working temperature of the maintenance-free lead-acid battery of this vehicle is within the range of 5 to 113 (-15 to 45 ), and the optimal temperature is  $68 \pm 50$  ( $20 \pm 10$  ). Low temperature will lower the effective capacity of the car, and high temperature will impair its service life. Therefore, long-term speeding in winter or cold areas, or loading people, frequent braking, or climbing hills, driving against the wind, etc. will lower the range. The decrease of the range after one charge is normal. When the temperature rises above 68 (20°C), its function will recover naturally. Please pay attention to protect the battery properly, because it is an important component that ensures good performance of the vehicle. Please avoid using the electric power to the minimum permissible voltage every time you ride. When the under-voltage indicator light flashes, you must switch off the power and charge the battery. It is best to form the habit of charging after riding every day. This is very beneficial to the battery life.

## WARNING

Do not instantly turn the speed control handle to accelerate, to ensure driving safety and protect the motor battery.

This vehicle has a brake power-off function, which can cut off the the motor power and ensure driving safety.

## How to Use the Brake

The best effect is to brake the rear first and then the front.

1. Hold the brake grip tightly after quickly returning the throttle handle to its original position.
2. The best way to brake is to decelerate gradually and then tighten.
3. Avoid hard braking or sharp turning. Emergency braking and sharp turning are the main factors of skidding and rollover, which are extremely dangerous.

**Notice:** Brake only the front or rear wheels, the vehicle may slide sideways, which is extremely dangerous.

4. In rainy and snowy days, the road surface is wet and easy to slide sideways, so concentrate on driving slowly and be ready and brake in advance. When the water accumulation on the road exceeds the lowest position of the outer edge of the wheel motor, please do not ride in the water to avoid performance failure of the rear brake of the motor.
5. You should check the brake system carefully after cleaning the car or driving in the water, as it may affect the braking performance.

**Notice:** Turn off the turn signal after use to avoid causing trouble to others.

## Attention

1. Don't put more than 4.4 lbs (2kg) in the front basket.
2. Do not place items with high temperature or low heat resistance, food or combustible items inside the basket.
3. Do not put valuables inside. Be careful not to let water in when washing the vehicle.
4. Do not put chemicals or sharp objects inside.

## How to Use the Charger

The charger used in this car is specially made by our company. Please do not use other chargers, nor can you use our charger to charge vehicles not made by our company. Try not to use a rapid charger as much as possible to avoid affecting the battery life. Charging should be carried out in a well-ventilated room. Do not charge in an environment surrounded by corrosive or flammable gases.

Carefully check whether the rated input voltage of the charger is consistent with the network voltage.

Please turn off the power before charging.

Please connect the power output port of the charger properly, and then connect the charger input plug to the AC power supply.

At this time, the red lights on the charger's power and charging indicator light up, indicating that the power is turned on and charging begins.

It takes about 3-8 hours for one charge. When the charging indicator turns from red to green, it means that the battery power is basically sufficient for use. At this time, please let it charge for a while. It takes about 1 hour from the green light to turning off the power. Disconnect the AC power supply first, then unplug it from the outlet. If you ride a short distance and charge every day, the charging time will not be too long.

## Note

If you find that the battery temperature is very high or the charging indicator light is abnormal during charging, it indicates that the battery or charger is faulty. You should stop charging immediately and ask a professional to check it.