

EZ Pedaler Owner's Manual

F300 | T300 | T350 | C300 | C350





INTRODUCTION

Congratulations on the purchase of your new EZ Pedaler Electric Bicycle. The primary goal of EZ Pedaler is to ensure customer safety and satisfaction. We strongly recommend that you read this entire manual before operating your EZ Pedaler Electric Bicycle. Should you have any questions regarding the operation or maintenance of your bicycle you should contact your EZ Pedaler dealer for instruction. Your bicycle will last many years provided that you care for it properly. We hope you enjoy your EZ Pedaler and we appreciate the opportunity to put a smile on your face.

Dick Allen
PRESIDENT



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WARRANTY

EZ Pedaler is committed to providing high quality, low maintenance electric bicycles at an affordable price. Whether you have purchased a T300, C300 or F300, each product is equipped with the same high quality parts.

All EZ Pedaler bicycles come with a full one year warranty against manufacturer defects, except the frame, which has a full three year warranty.

Normal wear and tear or abusive treatment of your bicycle is not covered by warranty. Your EZ Pedaler is a road bike, not a mountain bike, and should be used on normal road surfaces. Your EZ Pedaler is built to withstand various weather conditions however the motor, controller or rear hub should never be submerged in water. Opening the motor, controller, or battery will void the warranty.

RECORDING SERIAL NUMBERS

Your EZ Pedaler has three important numbers that you should record for warranty purposes. The serial number, located on the headset, just below the handle stem, the battery number, located at the base of the battery, and the motor number located on the front hub motor between the spokes.

SERIAL NUMBER _____

MOTOR NUMBER _____

BATTERY NUMBER _____

SPECIFICATIONS

MOTOR 250W/350W Brushless DC

CONTROLLER 36 Volt Pedal/Pedal Assist/Throttle w/
Overload and Low V Protection

BATTERY Lithium-Ion Manganese 36V 10AH and 12AH
(600-800 charge cycles)

CHARGER 100-240Volt 2 Amp smart charger
(4-6 hours full charge)

FRAME 7075 Aluminum Alloy

SPOKES 13 Gauge Stainless Steel

GEARS Shimano Nexus 3 speed internal hub with shifter

SUSPENSION Zoom Aluminum Alloy Double Crown

HANDLEBARS Zoom Aluminum Alloy

RIMS Aluminum Alloy Twin Wall

TIRES Kenda 26" Puncture Resistant w/reflective sidewalls
(20" on F300)

BRAKES 180 mm Tektro disk brake (Aluminum V brake
on F300), rear Shimano roller brake

REAR CARRIER Aluminum Alloy (50 lb rating)

WEIGHT 54 lbs (T300/ C300) / 46 lbs (F300)

*Batteries are an additional 8-9 lbs

CAPACITY Rider weight should not exceed 250 lbs

SAFETY RECOMMENDATIONS

The United States Law HR 727 under the Consumer Protection Safety Act, “the term ‘low-speed electric bicycle’ means a two- or three-wheeled vehicle with fully operable pedals and an electric motor of less than 750 watts (1 h.p.), whose maximum speed on a paved level surface, when powered solely by such a motor while ridden by an operator who weighs 170 pounds, is less than 20 mph”. An electric bicycle is considered a bicycle as long as the motor is 750 watts or smaller and the maximum speed when not pedaling is 20 mph or less. What this means is that an EZ Pedaler electric bicycle is treated as a bicycle and subject to all the rules and regulation of a regular bicycle. Your EZ Pedaler bicycle does not require a license or registration to operate.

We strongly recommend the following:

- 1** Always wear a helmet (make sure it is the proper size and complies with CSPC or CE safety standards)
- 2** Always be seen. Wear colorful clothing and use lights and reflectors that are visible to all both day and night.
- 3** Understand and Obey standard bicycle laws and always be aware of your surroundings.
- 4** Never more than one rider on an EZ Pedaler Electric bicycle.
- 5** Be extra careful when riding in wet conditions, paying attention to distance needed to stop.

SAFETY INSPECTION

When purchasing your bicycle it is the responsibility of your EZ Pedaler Dealer to make your sure that the bicycle is fitted properly to you before using it. If your bicycle was purchased from an online retailer, we strongly recommend that you have it inspected by a reputable local bicycle shop. It is very important to make sure your bicycle is adjusted properly before using it. For your safety we strongly recommend you make visual inspection a routine process before riding your bicycle.

- 1** Always make sure your seat is firmly fastened at the appropriate height. Never raise the seat above the seat post marking.
- 2** Make sure you have the proper handlebar position and see that it is tight.
- 3** Assure proper tightness and alignment of the handle post with the front wheel.
- 4** Inspect brakes and ensure they are in proper working order.
- 5** Look to see that tires are properly inflated. Tire specs call for 35-65 psi, we recommend 55 psi.
- 6** Check wheel tightness as well as other fasteners on a regular basis.
- 7** Make sure battery has a full charge.
- 8** Routinely inspect bicycle frame and front forks for cracks. Never ride a bicycle with a cracked frame (notify dealer).

BRAKES

For your safety, EZ Pedaler has chosen top quality brake components for your bicycle. Depending on the model, your front brake is a 180MM Tektro disc brake, or Tektro (caliper) V-brake. Your rear brake is a Shimano roller brake which is attached to the rear internal Shimano Hub. Each brake lever is equipped with electric cut offs to ensure the motor stops when the brake lever is depressed.

Proper brake adjustments are sometimes difficult. Unless you have experience we recommend that you see your local dealer for adjustment. Your brake levers should be half way between the open position and the handle grip when fully engaged. Always test your brakes and make sure the brake cables are free from any obstruction before riding.

When riding in confined areas we recommend riding with your right hand over the rear brake lever (right handle) at all times in case of emergency. Be sure to allow proper distance for stopping on wet surfaces.

REAR ROLLER BRAKE



FRONT DISC BRAKE



SHIMANO NEXUS 3 SPEED INTERNAL HUB

The Shimano internal 3-speed twist shifter (fig.1) is located on the right handlebar. Shifting can be accomplished at any time by turning the shifter on the right handlebar with your thumb and forefinger. Although it is not necessary it is recommended that you coast when shifting for best results.

Should you experience any shifting issues, the adjustment is on the right side of the rear hub. There is a window on the shift mechanism (fig.2) that has two lines on it. When the handlebar shifter (fig.1) shows the number (2) the yellow dot (fig.2) should be between the two lines. This can be adjusted by turning the cable adjuster that is in front of the window. First you need to turn the lock nut counter clockwise. Should you have trouble with this adjustment, contact your local bicycle dealer.

FIGURE 1



FIGURE 2



BICYCLE ORIENTATION

- | | | |
|------------------------|----------------------|-------------------------|
| 1. Head Set | 9. Pedal/Pedal Arm | 17. Seat Post Clamp |
| 2. Serial Number | 10. Controller | 18. Chain Guard |
| 3. Front Light Switch | 11. Double Kickstand | 19. Handle Stem Bolt |
| 4. Front Forks | 12. 3-Speed Gear Hub | 20. Pedal Assist Switch |
| 5. Front Hub Motor | 13. Rear Light | 21. Trigger Bell |
| 6. Motor Quick Connect | 14. Rear Carrier | 22. Power-On Display |
| 7. Fender Arm (adj.) | 15. Seat Lever | 23. Gear Display Window |
| 8. Sealed Bearings | 16. Battery | 24. Twist Shifter |





PEDAL ASSIST MODE OF OPERATION

All models are equipped with an **on/off switch** on left handlebar. This allows rider to turn pedal assist on or off to achieve desired level of exercise or increased range. This switch is independent of the throttle switch and only activates pedal assist when the key has been turned on. We refer to this as ***Pedal Assistance on Demand***.

We recommend riding your bicycle with the pedal assist switch in the off position first so you can get used to the pedal only feature.

There are three gears, 1st being used primarily for hills. When you are comfortable put your bicycle in 2nd gear and flip the pedal assist switch to the right. Pedal two revolutions and you will feel the assistance. This is created by a **torque sensor** located behind the chain wheel as illustrated below. Make sure you have plenty of room when practicing.

Do not use pedal assistance in crowded or confined areas.

TORQUE SENSOR



SWITCH



THROTTLE MODE



The thumb throttle is located on the right side of the handlebar next to the 3 speed shifter. The throttle will only work when the battery key has been turned on in a clockwise manner. With the key in the on position you will observe three lights on the throttle. These lights indicate that you have power and that your bike is ready for full operation. We do recommend that you start off pedaling before depressing throttle. This process eliminates strain on the battery and motor and will help conserve on battery energy. The bicycle is set up to limit throttle only operation to 20 MPH to eliminate need for license and registration.

OPERATING RECOMMENDATIONS

In confined traffic areas it is recommended that you turn off pedal assist and either pedal or throttle only with right hand over brake in case of emergency. Most of your riding will probably be in 2nd and 3rd gear with 1st gear being used for the hills. ***We strongly recommend using pedal assist and 1st gear on all hills while not touching the throttle.*** This will maximize battery life.

BATTERY

REMOVING THE BATTERY

1 Unlock the battery by pushing in key and turning key to left. The lock bolt will release from the bracket on the backside of the battery.



2 Pull the battery handle up and remove battery from bicycle. This will allow you to take the battery to another charging location (optional).



There are many factors that will determine your battery range including weight of rider, terrain, temperature, tire inflation and wind. Pedal assistance will increase the range of your battery substantially. Extreme heat or cold conditions can reduce battery range. ***Store battery between 32 and 85 degrees F.***

The battery also comes with two keys. It is recommended to place the second key in a secure location in case of loss.

NOTE

Your battery is protected from over charging or depletion by two fuses located on the top of the battery.



CHARGING THE BATTERY

1 Turn key to off position (left) prior to charging.

2 Plug the 2 amp battery charger first into the battery charging port and then into the wall outlet.



3 Press the charge indicator to determine the remaining charge. If there are less than three lights charge as soon as possible.



Your Lithium Ion battery is the latest battery technology on the market today. It has no memory. It can be charged at any time you wish. It is a better practice to top off your battery at your convenience rather than waiting until your battery is low to ensure maximum battery life. If your battery is not being used for a long period of time it should be charged for 3-4 hours every other month. For longer battery life do not leave charger plugged in for prolonged periods of time. ***We recommend charging your battery for a full eight hours when you receive it.*** Should your battery not work after being fully charged you should check the fuses to be sure they are still good. Additional fuses can be purchased at your local hardware store.

F300 FOLDING AND ADJUSTMENTS

FOLDING THE F300

1 Release the dual locking lever in the center of the frame and unscrew counter-clockwise one turn.



2 Pull lever out so it is at a 90 degree angle from frame then pull up on lever to release hinge.



ADJUSTING THE HANDLEBARS (F300)

1 Align handle stem so it is perpendicular to front wheel when upright. Using hex wrench tighten slightly and align in upright position.



2 Once straight, open handle bar hinge again and firmly tighten the stem bolt. Tighten hinge once again.



T300/C300 HANDLEBAR ADJUSTMENT

FIXED HANDLE STEM

The fixed handle stem in has a removable rubber plug that covers the stem bolt (Figure 1). Remove the rubber plug and turn the handle stem so the handle bar is perpendicular to the front wheel. You can raise the stem, but make sure it is no higher than the line marked on the stem. Using the appropriate hex wrench in your bike tool, tighten the stem bolt so that the handlebar will not move left to right. Replace the plug. To change the angle of the stem or handle bar, loosen the appropriate hex bolts and adjust. ***Make sure all bolts are securely fastened before riding.***

ADJUSTABLE STEM (STEM BOLT UNDER LEVER)

The adjustable stem (Figure 2) has a lever which when open, allows you to change height and angle of the handlebar. Do not open until you pull down on the lock with the white arrow. Once open, adjust to your liking and close. ***Make sure handle stem is secure by tightening both hex bolts on the under side of the adjustable stem.***

FIGURE 1



FIGURE 2



RECEIVING AN EZ PEDALER VIA SHIPMENT

All EZ Pedaler bicycles come fully assembled with the exception of pedal installation and handle bar adjustment.

UNPACKING YOUR EZ PEDALER

- 1** Open the carton and remove the bubble wrap cover.
- 2** Remove the box from the rear carrier that will contain a manual, pedals, bike tool, and 2amp charger.
- 3** Remove bicycle holding rear carrier and frame head set.
- 4** Adjust handle bar position, turning it perpendicular to front wheel.
- 5** Tighten stem bolt with appropriate bike tool option.
- 6** Install Pedals noting (L) and (R) markings on each. The left pedal will thread to the left (counter clockwise) while the right pedal will thread by turning right (clockwise). Remove pedal arm caps and check tightness of bolts.
- 7** Adjust the position of the left brake lever on handlebar to comfortable position and tighten with hex tool. It may have been turned for shipping purposes.
- 8** Inflate tires to 55 psi.
- 9** Do visual inspection of entire bicycle
- 10** Charge battery for 8 hours prior to initial use.
- 11** *Read the entire manual before operating.*

MAINTENANCE

- 1** Perform routine safety inspections and fasten loose bolts/fasteners.
- 2** Maintain diligent charging habits and battery care (p. 14, 15).
- 3** Keep your EZ Pedaler clean and dry (never submerge major components in water).
- 4** Schedule an annual service inspection at your EZ Pedaler dealer (every six months if frequent rider).

The motor, controller, battery, bearings and rear internal gear hub of the EZ Pedaler are sealed and should not be opened. This will void the warranty.

TROUBLESHOOTING

1 I do not appear to have power.

Check to see that key is turned on, press battery light indicator and check battery fuses.

2 I appear to have power but motor will not engage.

Make sure brake lever is not depressed and check brake wire connection at brake lever.

3 I hear noise in the front wheel.

Check that front disk is not slightly engaged, make sure there are no loose spokes and that the fender is not rubbing.

4 My battery rattles.

Apply felt pad on battery behind seat post.

Call your EZ Pedaler dealer or call 888-822-Bike if you have any questions, or concerns.



YOUR AUTHORIZED EZ PEDALER DEALER



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