

# ***Owners Manual***



***Electric Bicycles***

***Charger Bicycles, LLC***

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Tel: 818.357.9983 FAX: 818.359.9628 • <http://www.charger.com>



Thank you for purchasing a Charger electric bicycle. We are sure that you'll find this bicycle will provide years of enjoyable cycling.

This bike may only be assembled and sold by an authorized Charger Bicycle dealer. If you received this bike from any source other than an authorized Charger Bicycle dealer or affiliate, the bike may have been obtained under suspect circumstances and may be dangerous for you or others. Charger does not sell to, permit, or authorize its product to be sold by mass merchants, discount outlets, sporting good dealers, department stores, or other unauthorized outlets. Charger only uses authorized dealers or sales agents to ensure that you are sold a safe product that is properly assembled and tested, in compliance with the manufacturer's specifications.

For your records:

Serial No. \_\_\_\_\_

*(find on bottom of Energy Pack)*

PIN Code \_\_\_\_\_

## **WARNINGS**

*Assembly of your Charger Bicycle by any party other than an authorized Charger dealer voids your warranty. Charger strongly recommends having all post-sale assembly and service work on your Charger Bicycle performed by a properly trained and equipped Charger dealer.*

*While the US Department of Transportation has ruled that the Charger Bicycle is not a motor vehicle, individual states and communities may effect local rules with regard to licensing, right of way, etc. Please check with your state and local regulatory agencies for the applicable laws.*

*Before operating your Charger bicycle, be certain to follow all initial inspection, maintenance and adjustment procedures, as outlined in this Owner's Manual. Always use correct tools, and be sure not to under-tighten or over-tighten screws or bolts.*

*When replacing parts, use only Charger original parts and Charger approved components.*

This manual contains important safety, performance and maintenance information. Please read this and all other accompanying manuals and warnings before operating your Charger Bicycle, and keep your manuals in a safe location for future reference.

Unsafe or improper use of the Charger Bicycle caused by failure to read and comply with all safety, performance and maintenance requirements and warnings could result in serious injury or death. It is impossible to anticipate all possible conditions under which the Charger Bicycle may be operated. Hence, Charger makes no representation about the safe use of the Bicycle under all conditions. There are risks associated with the use of any bicycle. Charger recommends safe and cautious riding at all times, and always wear a proper helmet!

The Charger Bicycle must be charged with 60 cycle, 115 volt AC current via the on-board Charger battery charger.

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## **1.0 About this Manual**

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### **Why you should read this manual**

This manual was written to help you get the best performance, comfort, safety and pleasure from operating your Charger Bicycle. It also includes important warnings you must read and understand.

An electric-powered bicycle is not just another bike. It is an integrated system, including on-board computer, power storage, charging, torque-sensing, speed sensor and drive-train. It is important that you understand the unique features, requirements and safety procedures associated with your new Charger Bicycle. Please read this manual carefully, and contact your authorized Charger service representative if you have any questions.

### **GENERAL WARNING**

Bicycling can be a hazardous activity, even under the best of conditions. Proper maintenance of your Charger Bicycle is your responsibility, and will reduce the risk of injury. The Warnings and Cautions contained within this book describe specific circumstances under which you or your bicycle may be at risk. Though it is not repeated elsewhere, it should be understood that failure to heed any of these Warnings could result in serious injury or death.

### **NOTE:**

**YOUR INSURANCE POLICIES MAY NOT PROVIDE COVERAGE FOR ACCIDENTS INVOLVING THE USE OF THIS BICYCLE. TO DETERMINE IF COVERAGE IS PROVIDED YOU SHOULD CONTACT YOUR INSURANCE COMPANY OR AGENT.**

Your Charger Bicycle has been carefully designed for rider safety; following a few simple procedures and using common sense will guarantee you years of safe riding pleasure. Again, always wear a proper helmet.

A picture of your Charger Bicycle is shown in Figure 2-1, along with the names of some of its advanced features. These names will be used throughout the rest of this manual, so it is important that you review the picture, and locate each feature on your own bicycle. Don't be concerned if the names sound technical; you don't need any special knowledge to safely operate the Charger Bicycle.



Figure 2-1: The Charger Bicycle, with important features.

## 3.0 How to Enjoy your Charger Bicycle

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### A. What is an Electric Bicycle?

Your Charger Electric Bicycle is not a moped or a motor scooter. It is a specially designed sport bicycle, with an electric motor to provide a boost when desired. There is no throttle; the bicycle responds to your pedaling by adding power directly to the wheels. You can select as much or as little “assist” as you wish, or just turn off the power and ride your Charger like a normal bicycle.

### B. Initial Inspection

Once you have brought your Charger Bicycle home, you should familiarize yourself with all of its features. Before proceeding to ride your bike, you should perform the following initial inspection steps:

1. Be sure to fully charge the Energy Pack first, before riding.
2. Perform a physical inspection, including the condition of all mechanical and electrical parts. If you have any questions or problems, contact your authorized Charger Bicycle dealer.
3. It is important to check the position of the speed sensor magnet (see Section 2). If this magnet is not

properly aligned, the bicycle will not function properly.

### C. Mechanical Safety Check

The following steps should be taken each time you plan to ride your Charger Bicycle:

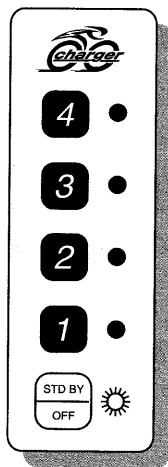
1. Check the tension of the small chain.  
**CAUTION:** *Do not touch the chains while system is on.*
2. Be sure Energy Pack handle is rotated towards the rider and locked in position.
3. Check to be sure that the speed sensor is aligned with the magnet on the rear wheel.
4. Be sure that your Energy Pack is fully charged.

### D. Using Your Charger Keypad

Your Charger Electric Bicycle is equipped with an Electronic Keypad, which serves as the power switch and controls all of the bike’s functions. When seated on the bike, the keypad is located on the top left side of the Energy Pack.

After performing your initial inspection and safety check, you are ready to program your own Personal Identification Number (PIN). The PIN is like the combination to a lock; it allows you and only you to operate your Charger Bicycle. Any four-digit number can be used, with no number greater than "4" (for example, "2-4-3-1"). Select a number which you can remember easily. If you should forget your number, you can call your authorized Charger Dealer for assistance.

*The Charger Electric Keypad is located on the top left side of the Energy Pack (as viewed by the rider). The "Standby" light is shown lit, indicating that you may enter an assist level (1-4) and begin riding.*



### **E. Programming/Changing the PIN**

1. Be sure that the Energy Pack is fully charged and mounted properly on your Charger Bicycle (see Section 4 - B).

### **NOTE:**

- A) **Remove all weight from the pedals when entering your PIN.** (Every time you enter your PIN the system will recalibrate the Pedal Torque Level. If you have pressure on the pedals during PIN entry, the Charger Bike will perform poorly.)
- B) **Your PIN number can only be changed immediately after turning on the unit.**

2. Press the "1" button four consecutive times. This is the manufacturer's "default" PIN number of "1-1-1-1". The lights next to the buttons on the keypad should flash in sequence once. If you accidentally enter an incorrect PIN at any time, the lights will all flash four times, and the system will shut down. You can then try entering your PIN again.
3. At this point, you can either ride your Charger Bicycle (see Section 3-F), or change your PIN number. To change the PIN number from the default of "1-1-1-1", press the "1" and "4" button simultaneously. You can then enter your new personal four-digit PIN. All lights will flash once. You must then enter the same four digits a second time. If the two entries match, the keypad will replay your PIN for you by flashing the



appropriate lights. The bike now is programmed with your personal PIN, and is ready to ride. If you make a mistake at any time, all lights will flash once, and the bike will not be ready to ride. You can then go back and try again to load your new PIN number.

## F. Normal Operation

Once you have programmed your desired PIN (see Section 3-E), you are ready to ride your Charger Bicycle. The following instructions should be followed for normal operation:

1. Be sure that your Energy Pack is fully charged (See Section 4.0).
2. Verify that the Energy Pack handle is rotated towards the back of the bicycle and locked in position.
3. While standing next to the bicycle, enter your PIN into the Electronic Keypad. Lights will flash once in sequence and the STD BY light will remain on.

Enter the assist level you wish. To do this press one

of the buttons numbered 1 through 4:

**STD BY** allows you to ride the Charger Bicycle as a normal bike, with no power assist.

**Level 1** commands the bike to add half as much assist power as you provide by pedaling.

**Level 2** matches the assist power to your pedal power.

**Level 3** adds assist power equal to twice your pedal power.

**Level 4** gives you assist power equal to four times your pedal power.

Once a button is selected, the light corresponding to your assist level will stay lit.

4. You are ready to ride. Remember, the Charger Bicycle will not move without the rider pedaling!

The Charger Bicycle is designed to ride just like a normal

bicycle. As you encounter differing terrain you can change the bicycle gears from 1 through 7 as you would on a normal bicycle (see Section 5). If you wish to change your assist power level, you can do so any time during your ride, by simply pressing the button number corresponding to the Level you desire. The light next to the button will stay lit indicating the new power level you have selected.

The top assist speed for the Charger Bicycle is 20 mph. Should you reach a speed above this limit, the bike will stop providing assist power, and the Number 4 light will flash continuously. This will not damage the bike, and normal assist power will automatically return as soon as your speed drops below 20 mph.

If you stop riding for any reason, the bike will remain active and ready. Should you continue to press on the pedals while applying the brakes at a full stop, the bike will reduce power temporarily as a protection feature. This mode is indicated by the Number 3 light flashing steadily. Do not worry if this occurs. As soon as you begin pedaling again the bike will return to full power.

A protection feature is provided to guard against overheating of the Charger drive system. Should the

system overheat for any reason, assist power will automatically be reduced, and the Number 2 light will begin flashing continuously. Once the system cools, the flashing will stop and full assist power will be restored. Your Charger Bicycle is equipped with automatic battery monitoring. As your batteries approach full discharge, the bike will notify you by flashing the Number 1 light continuously. At this point, you have only one or two miles (depending on terrain) of assist power left. Of course, the Charger Bicycle can always be ridden as a normal bike, without assist power.

Summary of the display indications provided by the Charger Electronic Keypad during normal operation:

<b><i>Steady Light:</i></b>	Indicates assist level selected.
<b><i>Flashing Number 4 Light:</i></b>	Over 20 mph limit: no assist provided.
<b><i>Flashing Number 3 Light:</i></b>	At a stop: temporary power reduction, or speed sensor not functioning.
<b><i>Flashing Number 2 Light:</i></b>	System Overheated: temporary power reduction.
<b><i>Flashing Number 1 Light:</i></b>	Battery drained: power assist will drop to zero.
<b><i>Flashing STD BY Light:</i></b>	Battery low: less than 1 mile of assist power left.

Flashing lights indicate the condition of the bicycle. A flashing number 3 light is shown, indicating that either the bike has been at rest (at a stop) for longer than 5 seconds, or that the speed sensor is not functioning.

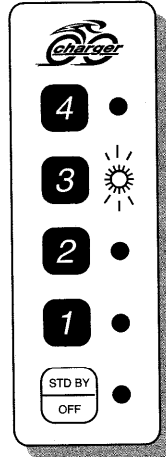
### G. Riding Suggestions

Here are some suggestions for fun and safety while riding:

- Don't fool with buttons while riding.
- Keep both hands on handle bars.
- Keep your eyes on the road; not on the Keypad lights!
- Always remember to wear a proper helmet.

### H. Back Pedaling

You will notice that it is difficult to back pedal on the Charger bike. When back pedaling you are actively turning the motor. Don't worry, this does not harm the system.



### I. Shut-down for Storage

To end your riding session, simply hold down the STDBY button on the Electronic Keypad for one second. The bike will shut down (all lights off), and is ready for storage. Note: should trouble occur at any time during your ride, you can shut off the power assist system by pressing and holding the STDBY button. (To re-start, take pressure off the pedals and enter your PIN.)

If the Charger Bike is stopped and not used for five minutes, the system will automatically shut itself off.

For security, you may lock your Charger Bicycle with any standard cable lock. There is a recess provided for this purpose included in the Energy Pack handle. Of course, you can remove the Energy Pack from the bicycle during storage if you wish. Keep in mind that you can safely ride your Charger Bicycle without the Energy Pack, just like a regular bicycle.

**NOTE:** *You should never store or recharge your Charger Bicycle in direct sunlight or in the rain.*

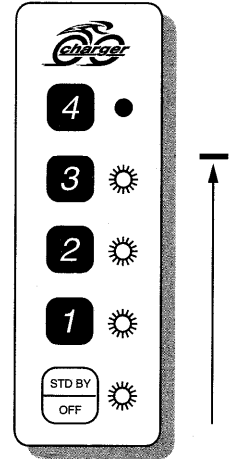
## A. Reading State-of-Charge

The state-of-charge refers to the amount of energy remaining in your Charger Bicycle's batteries. You can read the state-of-charge at any time, either moving or stationary, by performing the following steps:

1. You must have entered your PIN (the system is turned on).
2. Push whatever button is lit. This could be the STDBY button if you have just turned on the system, or one of the numbered buttons.
3. After pushing a lit button, you will see the state-of-charge displayed on your Electronic Keypad for approximately three seconds. All five lights lit means that you are fully charged. As you discharge your batteries, the number of lights will decrease, corresponding to your state-of-charge. When only one light is lit, you are almost fully discharged, and have less than a mile of riding before the system shuts down.

4. The Electronic Keypad will return to its original condition after three seconds. You can repeat these steps at any time and read the state-of-charge as often as you like. By pressing the same button a second time, you can cancel state-of-charge and go back to normal mode.

*"State of Charge" is indicated by the number of lights which are lit. The drawing shows four of five lights lit, indicating an 80%-full state of charge.*



## **B. Energy Pack Removal and Replacement**

Your Charger Bicycle has been designed with an easily removable Energy Pack. This allows you to take the Energy Pack with you to a convenient location for re-charging.

To remove the Energy Pack, locate the Handle Grip at the front of the pack (see Section 2.0 to identify the Energy Pack and the Handle Grip). Push the top of the Handle Grip forward toward the handle bars of the bicycle, using even pressure on both sides of the handle. The Handle Grip will rotate downward, releasing the roller locking mechanism which holds the Energy Pack in place. Once the Handle Grip is fully rotated downward, face the bicycle on the rider's right side (the chain side), and slowly pull the handle end of the Energy Pack outward towards you. Slide your right hand into the Handle Grip, and place the fingers of your left hand into the notch in the top rear of the Energy Pack. Slowly lift the Energy Pack clear of the bike frame. It can then be easily carried with one hand, using the Handle Grip (see WARNING below).

To replace the Energy Pack, position yourself on the rider's right side of the bicycle (opposite the kickstand), with your hands in the same locations as described above. Slowly bring the left side of the Energy Pack down onto the

mounting bracket, being careful to insert the energy pack's guide nub at the right bottom of the Pack into its slot in the mounting bracket.

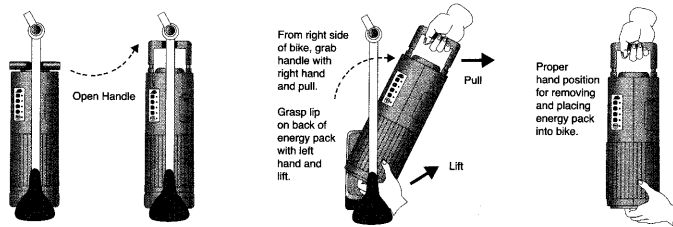
When fully inserted, the right side of the Pack will hinge on the mounting bracket, allowing it to rotate into the frame. Rotate the Pack into installed position (with the Handle Grip in the down position) until it is fully centered within the frame of the bike. The Energy Pack should snap easily into place. Don't force the Pack to rotate if you feel resistance. Instead, remove the Pack and try inserting it again.

Once the Pack is in place, rotate the Handle Grip upward and toward the back of the bicycle, until it is flush with the Energy Pack. This engages the roller locking mechanism. You should feel the handle roller lock into place when the Energy Pack is securely locked. A diagram of Energy Pack removal is provided in Figure 4-1.

### **WARNING**

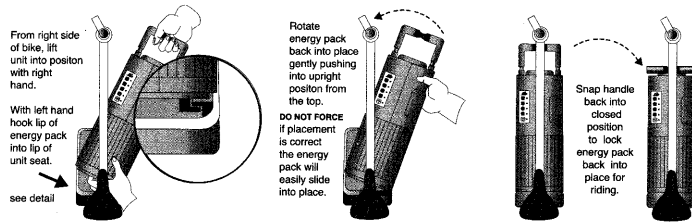
*The Energy Pack weighs 23 pounds. Before removal from the frame, be prepared to handle its weight. Dropping the Energy Pack can cause injury to you, and damage to the Pack. Always remove and replace the Energy Pack slowly, and with care.*

Figure 4-1: Diagram of Charger Bicycle, showing removal of Energy Pack.



Top view of bike shown

Figure 4-2: Diagram of Charger Bicycle, showing replacement of Energy Pack.



### C. On-bike Charging

You may re-charge your Energy Pack while it is still on the bicycle, by following these steps:

Open the cord cover on the right side of the Energy Pack, as seen from a riding position.

Remove cord slowly, and plug into any 115 VAC outlet. The state-of-charge will be continually displayed on the Electric Keypad while plugged in.

That's it! Just leave the Energy Pack plugged in until it shows a full state-of-charge (*all lights will be illuminated*), then unplug the cord and return it to its enclosure. From complete discharge, the Energy Pack takes approximately four to six hours to fully recharge. **Note: You should never recharge your Energy Pack in direct sunlight or the rain.**

You may unplug the Energy Pack and ride your Charger Bicycle at any state-of-charge, or "top it off" at any time. For best battery life, it is recommended that the Energy Pack not be left plugged in for longer than 24 hours without use.

## D. Off-bike Charging

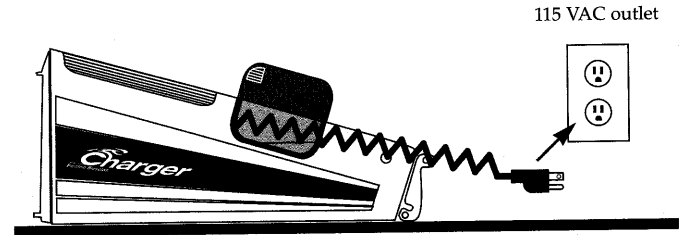
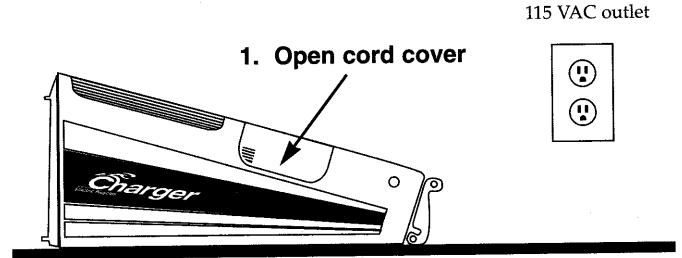
If you wish, you may re-charge your Energy Pack after it has been removed from the bicycle (see Section 4-B). This is accomplished in the same manner as on-bike charging. Simply plug the cord into a 115 VAC outlet and wait until all lights are illuminated. It is preferable to charge your Energy Pack while it is on its side, as shown in Figure 4-2. The Energy Pack can then be replaced on the Charger Bicycle, and you are ready to ride.

## E. Preparation for Long-term Storage

A few hints to protect your Charger Bicycle during long-term storage:

- Fully recharge the batteries prior to long-term storage.
- If the Energy Pack is removed from the bicycle during long-term storage, it should be stored on its side (see Section 4 -2).
- Don't leave your Charger Bicycle in the direct sunlight for extended periods.
- A bicycle cover should be used if your bike is to be stored in a wet or dusty environment.
- Finally, always recharge your Energy Pack after long-term storage.
- For extended storage be sure to charge the batteries every 60 days to avoid damage.

Figure 4-2: A diagram of the Charger Energy Pack in preferred charging position.



2. Pull out cord and plug into 115 VAC outlet

## A. Using Your Nexus Shift System

The Charger bicycle is configured with Shimano's most advanced internal seven speed hub. You will note that the Charger bicycle attaches two chains to the hub, a traditional chain from the pedals and a smaller chain from the motor. As the rider shifts the internal gears, both the pedals and the motor get the mechanical advantage of the new gear ratios.

By combining the seven mechanical gear settings and the four motor assist settings, riders can experience a wide range of pedaling efficiencies and easily handle the most varied terrain.

**Important Note:** *It is necessary to reduce pressure on the pedals when attempting to shift gears with the Shimano/Nexus system. This is true whether shifting up or down through the gears as is typical with normal bicycles.*

## B. The Impulse System™

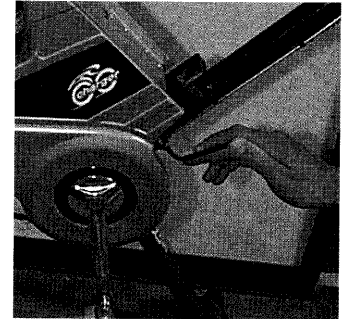
If you examine the pedal drive chain on your Charger bicycle, you will note a small idler wheel supporting the chain within the chain guard. This wheel is the heart of the Impulse System, human power sensor. As you ride, the Impulse System will measure the amount of torque you are

putting on the pedals and communicate that information to the on-board microprocessor. This data allows the Charger pedal assist system to operate smoothly and in concert with your physical effort.

## C. The Motor Assembly

The Charger motor assembly is mounted between the pedals of your Charger bicycle. The entire assembly can be rotated forward or backward to tighten or loosen the drive chain, by means of an adjustment screw located at the bottom of the assembly. As you ride the Charger bicycle the chain will stretch slightly, so be sure to always have the motor drive chain tight before riding. Replacement motor chains are available from an Authorized Charger dealer.

When removing the rear wheel, first loosen the motor drive chain and then the Nexus system according to the instructions provided by Shimano in this package.





## 6.0 Maintenance and Service

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### A. Maintenance Instructions

The following are some general guidelines for maintaining your Charger Bicycle:

- Do not open your Energy Pack; it will void the warranty. Changing batteries during the warranty period should be done by an authorized dealer.
- Recycle batteries appropriately (if you should change them yourself after the warranty period).
- Clean the Energy Pack and Charger Bicycle with mild soap and a damp cloth.

#### DO NOT:

- Hose down either the bicycle or the Energy Pack.
- Use solvents of any kind, as they may react with the plastic and cause damage.
- Clean or wash the Energy Pack while it is plugged in.

#### Check:

- Tire pressure (every ride)
- Small chain tension (every ride)

- Brake adjustment (every ride)
- Rear wheel sensor and magnet (every ride)

### B. About Your Dealer

Charger Bicycles are sold by Authorized Charger Bicycle dealers. While some sales agents or other entities may sell the bicycle, users should take delivery from an Authorized Dealer. This relationship allows Charger to ensure that your bicycle has been assembled properly and that prompt service and tune-ups will be available.

A list of Authorized Dealers is available directly from Charger or via the Charger Internet Web site at <http://www.charger.com>.

If you have questions about your Charger bicycle, please write or call:

**Charger Bicycle, LLC**  
**222 East Huntington Drive, Suite 200**  
**Monrovia, CA 91016**

**(818) 357-9983 fax: (818) 359-9628**

## A. Meaning of Failure Codes (LEDs)

During normal operation of the energy storage system the LED's on the keypad may flash to indicate the status of the system.

### Flashing LED Code

**STD BY** • Battery has less than 1/8 charge left.

- 1** • Battery has almost no charge left. Limiting power to motor to conserve batteries.

**STD BY & 1** • Energy storage unit not installed in bicycle.  
• Impulse system (human power sensor) not plugged in (not working).

- 2** • The unit is getting too hot, and is automatically reducing assist power.

- 3** • Temporary standby, waiting for a signal from the speed sensor.  
• Speed pickup not working.

**STD BY & 3** • The batteries have no energy left. The unit will shut down automatically to prevent damage to the battery.

- 4** • Temporary standby. Assist will automatically turn back on when speed drops below 20 mph.

**ALL** • Wrong PIN number entered.

## B. Routine Troubleshooting Guide

**Problem:** STD BY & #1 LED flash together and the unit turns off.

**Solution:** Verify that the energy storage unit is properly installed in the bicycle frame. Enter your pin code. If the STD BY & # 1 LED again flash together, there is a problem with the Impulse system (human power sensor).

**Problem:** #3 LED flashes and the unit does not give assist.

**Solution:** The unit is going into standby mode. It is waiting to get a signal from the speed sensor that the bicycle is moving. Verify that the speed sensor and the speed sensor magnet are properly aligned.

**Problem:** STD BY & #3 flash together.

**Solution:** The batteries have no energy left. The unit will shut down automatically to prevent damage to the battery. Charge the energy storage unit.

**Problem:** #1, #2, #3, and #4 LED's flash together.

**Solution:** You have entered an incorrect pin code, try again. If you have lost your code any authorized Charger dealer can install a new code for the unit.

## C. If You Require Service...

Should you require service for your bicycle, call your local authorized Charger Bicycle dealer first. Should a technical problem persist, call Charger Bicycles at: (818) 357-9983.

## 8.0 Performance Specifications

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### Characteristics

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<i>Weight</i>	Bicycle and Motor - 43 lbs. Energy Pack - 23 lbs.
<i>Frame</i>	Cro-Moly Steel
<i>Stand-over Height</i>	17"
<i>Suspension</i>	Rock Shox Quad 5 Front Fork Suspension (optional)
<i>Gearing</i>	Shimano Nexus 7-speed
<i>Shifters</i>	Shimano Revo Shifter
<i>Braking</i>	
<i>Rear</i>	Shimano Roller-type in Wheel Hub
<i>Front</i>	Alivio Alloy Cantilever Brakes
<i>Wheel Size</i>	26"
<i>Drive System</i>	Single 0.5 HP Permanent Magnet Motor Chain Drive to Rear Hub (no friction roller or tire). No drag on pedals when disengaged. 24 volts, 36 AMPS peak.

<i>Torque Sensing</i>	Impulse System™ *(Adds electric assist in proportion to rider pedal input)
<i>Battery Type</i>	Two Sealed 12 Volt, 12 Amp/hr. Gel-Cell Lead-Acid Batteries
<i>Battery Charger</i>	On-board Charger Integrated into Removable Energy Pack
<i>Battery Mgmt.</i>	Microprocessor Controlled Battery Management and Charge-life Optimization
<i>Controls</i>	Membrane Switch with LED Indicators Keyless Personal Identification Number Four Assist Ranges - .5:1 through 4:1 State of Charge Indicator

### Other Features

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<i>Available Colors</i>	Gloss Black, Candy Blue, Moss Green 12V Lighting Option Available  Fenders Available
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\* Patent Application in Process

# Charger Bicycles Limited Warranty 9.0

**Charger Bicycles, L.L.C., warrants the replacement of original components of Charger Bicycles due to defects in material and/or workmanship according to the following conditions and limitations:**

Chromoly and Aluminum frames (excluding suspension) are warranted for replacement to the original purchaser for five years from the date of purchase.

The bicycle components (excluding tires, tubes and cables) are warranted for one year. The electric drivetrain, plastic enclosures, torque sensor and electronics are warranted for one year. Batteries are warranted by the individual battery manufacturer. The battery warranty is usually one year from the date of manufacture. (check with the appropriate battery manufacturer for details)

Labor transportation changes are not included.

This warranty is listed to the original retail purchaser ONLY.

Proof of purchase from an authorized Charger dealer and a validated warranty registration card mailed directly to Charger Bicycles, L.L.C., are both required to validate protection under this warranty.

Normal wear, accident, abuse, neglect, improper assembly, improper fit, or improper maintenance by other than an authorized dealer of parts or devices not consistent with the use originally intended for the bicycle as sold are not covered by this warranty.

Bending of frames, forks, handlebars, seat posts, and rims is excluded from this warranty. Bending is a sign of abuse or punishment inconsistent with the bike's intended use, and is therefore not covered under this warranty.

It is necessary to have your bicycle assembled by an authorized Charger dealer in order to validate your warranty.

Claims must be made through an authorized dealer. For information regarding

the nearest dealer, write or call this company.

This warranty is limited to replacing the defective part without charge and the company shall in no event be responsible for consequential or special damages.

This warranty is void in the event that the bicycle has been used in stunt riding, ramp jumping, acrobatics or similar activities. Likewise, the bicycle is not designed or intended to be used in aggressive off-road situations.

This warranty is expressly in lieu of any other warranties. Any implied warranty, including any warranty of merchantability of fitness shall be limited in duration to the duration of the express warranty set forth herein.

This warranty is not intended to supersede the owner's obligation to inspect and maintain the bicycle and to replace worn parts as needed. The warranty does not guarantee that the product will not wear out prematurely and/or fail and is solely intended to provide that Charger will replace the product under such circumstances.

**NOTICE:** The user assumes the risk of any personal injuries, damage to or failure of the bicycle and any other losses if the Charger bicycle is used in any competitive event, including bicycle racing, bicycle motocross, dirt biking, freestyle ramp jumping, or similar acrobatic events. This warranty does not cover personal injuries, damage to or failure of the bicycle, or any other product, due to accident, misuse, neglect, abuse, or improper assembly.

The return of the warranty registration form within 30 days of purchase is a condition precedent to coverage as provided herein.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state. Retain your original proof of purchase and this portion of your warranty registration form for your records.

**Mail to:** Charger Bicycles L.L.C., 222 E. Huntington Drive, Monrovia, CA 91016



**Charger Bicycles, LLC**  
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