

## Section 5: Controls



**CAUTION:** Before you ride - Familiarize yourself with how your equipment works.

- Red button on the throttle powers on and off the GoBike® Power Rack.
- Rotating the motor up by hand will allow the motor to lock free disengage from the wheel.
- To reengage the motor flick the latch hook away from the stud and motor will drop to engage with the wheel.
- Thumb lever controls speed and power to the motor.
- Use the supplied power cord and standard power wall outlet to charge.
- Always use both hands on the handle bar, when riding.



**WARNING:** The GoBike® Power Rack outlined in this manual uses a friction drive system. Keep clear of rear wheel and its drive components when the Power Rack is installed or severe injury may occur.

## Section 6: Maintenance and Parts



**CAUTION:** Technological advances have made the GoBike® Power Rack and the components more complex than ever. This on going evolution makes it impossible for this manual to provide all the information required to properly repair and or maintain your Power Rack. In order to help minimize the chances of an accident and possible injury, it is critical that you have any repair or maintenance which is not specifically described in this manual performed by an authorized Go-Ped® dealer.

It is just as important that your individual maintenance requirements will be determined by everything from your riding style to geographic location. Consult your authorized Go-Ped® dealer for help with determining your individual maintenance requirements.

### Batteries

Your GoBike® Power rack uses an internal Li-Ion polymer battery pack. The battery pan is a factory sealed unit and should only be serviced by an authorized Go-Ped® dealer. The battery will last a long time when properly maintained. These batteries do not have "memory" so it is OK to only partially discharge them before recharging them.

**See Battery care and maintenance see Section 4.3**



**WARNING:** Many Go-Ped® service and repair tasks require special knowledge and tools. Do not begin any adjustments, service, or repair on your Power Rack if you have the slightest doubt about your ability to properly complete them. Improper adjustments, service, or repair may result in damage to the Power Rack, and/or an unsafe condition.



**WARNING:** Any modification of this unit voids the warranty, including but not limited to, using either wheels or tires not recommended by PMW, attempting to enhance the speed, range or performance of the unit, and/or equipping the motor with non PMW drive components. Such modifications can create DANGEROUS AND HAZARDOUS conditions.

If you insist on doing adjustments, service or repair, ask your authorized Go-Ped® dealer if a service manual and any specialized tools are available. It is also a good idea to have an authorized Go-Ped® dealer check the quality of your work before you ride just to make sure you did everything correctly.

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# GoBike® Power Rack User Manual



## WHAT WE GUARANTEE AND WHAT YOU PROMISE US

Patmont Motor Werks, a Nevada Corporation (hereinafter referred to as "P.M.W.") expressly warrants that each of its products is free from defects in material and workmanship under normal operating conditions and according to proper use for a period of 90 days from the date of original purchase. Normal operating conditions require adequate and routine care and maintenance by the purchaser of the product. Proper use means that the P.M.W. transportation product is to be used only in the manner intended for personal transportation of a single rider with proper safety equipment described on the RED SAFETY WARNING LABEL affixed to the product. P.M.W. Transportation Products are intended for use only with the proper safety equipment on smoothly paved, safe, dry, non-oily surfaces in accordance with local regulations during daylight hours. In express consideration for purchasers execution of the limited warranty and liability agreement, P.M.W. will repair or replace any part or component, other than tires, of the P.M.W. transportation product free of charge to the original purchaser who registers his/her product under the warranty program. Warranty service can be obtained by calling your local dealer or the Tech. Line at (925) 373-7827 and following the instructions given by the service representative. Shipping costs will be at the purchasers' expense.

This warranty does not apply to tire wear, operation under abnormal conditions or damage to the unit and vehicle brought on by improper use. Racing, competitive or commercial use, or modification of the product shall void this express limited warranty. Motor crankshaft failures on spindle drive models are not covered under warranty due to varying riding styles and the adjustability of the unit by end user. Purchaser herewith acknowledges: (a) P.M.W. assumes no liability for any misuse of any of its transportation products. (b) Under this limited warranty and liability agreement P.M.W. shall have no obligation and the purchaser or user shall have no remedy against P.M.W., its officers, agents or assigns for any damages, including without limitation, incidental, consequential, special, punitive damages arising from direct or indirect injury to person or property, or any other loss, whether or not occasioned by negligence, or otherwise, on the part of P.M.W. (c) Purchaser acknowledges that there is an inherent risk in the operation of motor-cycles, bicycles, mopeds, and all P.M.W. transportation products, and herewith assumes the risk of any injury arising from operation of any P.M.W. transportation product.

Original owner will indemnify and hold P.M.W. harmless and will take full responsibility for conveying all safety warnings, instructions, and limited warranty if unit is sold, lent, or otherwise transferred to other persons and will indemnify P.M.W. from any claims against it for original owners' failure to do so. THE EXPRESS LIMITED WARRANTY DESCRIBED ABOVE SHALL BE EXCLUSIVE AND THERE IS NO OTHER WARRANTY OR LIABILITY, EXPRESS OR IMPLIED, ARISING BY LAW OR OTHERWISE AND WHETHER OR NOT OCCASIONED BY SELLER'S NEGLIGENCE. THERE IS NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THOSE EXPRESSLY STATED HEREIN.

**NOTICE:** Some states do not allow the exclusion or limitation of incidental or consequential damages and some states do not allow limitation on how long an implied warranty lasts, therefore, some of the above limitations may not apply to you.  
**NOTICE:** Your Homeowners Insurance may not cover either Direct or Third Party Liability Claims arising from use of this or any other Go-Ped® product.

### PLEASE ACKNOWLEDGE THAT YOU HAVE READ AND UNDERSTAND EACH WARNING

- \_ This device does not conform to Federal Motor Vehicle Safety standards and is not intended for operation on public streets, roads or highways.
- \_ Safety helmet, goggles, gloves, elbow, and knee pads, appropriate shoes, and bright clothing must be worn while operating this device to reduce potential of injury.
- \_ Do not operate this device in traffic, or on wet, frozen, oily or unpaved surfaces. Avoid uneven surfaces, chuckholes, surface cracks, obstacles and night or conditions of darkness.
- \_ Never carry passengers and objects that can hinder your abilities to safely operate your vehicle.
- \_ Pregnant persons should not use this product.
- \_ Never use alcohol or drugs before or while operating this device. They slow reaction time and impair judgment.
- \_ This product should not be used by minors without adult supervision.
- \_ High speeds, jumps and trick maneuvers are dangerous and could result in loss of control and other accidents.
- \_ When accelerating or climbing hills, you will need to lean forward, under braking conditions you will need to lean back, to keep wheels in contact with the ground.
- \_ Never permit a guest to use this device unless the guest has read the user manual and all labels.
- \_ I agree to provide my guest with helmet, safety goggles, elbow pads, and knee pads.
- \_ This product should not be used by persons unwilling or unable to take responsibility for their own actions.
- \_ Read all additional warnings and instructions in user manual before operating this P.M.W. product.
- \_ Adults purchasing this Unit for Children, inclusive but not limited to a Parent or Guardian, assume direct liability for injury to the child, or to third parties to whom the child entrusts the vehicle.
- \_ Homeowners Insurance may not cover either Direct or Third Party Liability Claims Arising from Use of this or any other Go-Ped® product.
- \_ I herewith promise not to entrust this vehicle to any child under the age of 16 (Sixteen) years of age.

### WE SETTLE ARGUMENTS BY ARBITRATION

ANY DISPUTE HEREUNDER WILL BE RESOLVED THROUGH BINDING ARBITRATION IN THE CITY OF RENO, COUNTY OF WASHOE, NEVADA, ACCORDING TO THE RULES GERMANE TO ARBITRATIONS CONTAINED IN REVISED NEVADA STATUTES.

WE AGREE TO HAVE ANY DISPUTES ARISING OUT OF THE MATTERS INCLUDED IN THE 'ARBITRATION OF DISPUTES' PROVISION DECIDED BY NEUTRAL ARBITRATION AS PROVIDED BY NEVADA LAW, AND THAT YOU ARE GIVING UP ANY RIGHTS YOU MIGHT POSSESS TO HAVE THE DISPUTE LITIGATED IN A COURT OR JURY TRIAL. BY SIGNING BELOW YOU ARE GIVING UP YOUR JUDICIAL RIGHTS TO DISCOVERY AND APPEAL, UNLESS THOSE RIGHTS ARE SPECIFICALLY INCLUDED IN THE 'ARBITRATION OF DISPUTES' PROVISION. IF YOU REFUSE TO SUBMIT TO ARBITRATION AFTER AGREEING TO THIS PROVISION, YOU MAY BE COMPELLED TO ARBITRATE UNDER THE AUTHORITY OF THE NEVADA CODE OF CIVIL PROCEDURE. YOUR AGREEMENT TO THIS ARBITRATION PROVISION IS VOLUNTARY. You should feel free to consult an attorney before signing this limited warranty and liability agreement. I have read understood and agreed to be bound by the limited warranty and liability agreement above and agree to submit disputes arising out of matters included in the arbitration of disputes provision to neutral arbitration.

## 4.6 Auto-Off Feature

Your Power Rack has an Auto Off feature. If you accidentally leave your Power Rack on when you are done riding, it will shut off automatically after 30\* minutes. This helps to keep the batteries from being drained when not in use. To restart you simply turn the Power Rack off and then on again.

\*The 30 minute setting can be changed or turned off by your authorized Go-Ped® dealer.

## 4.7 Economy/Turbo Modes

Your GoBike® Power Rack is equipped with two modes of operation, Economy and Turbo.

Economy mode is intended for lower speeds and maximizing the range that you can travel on one charge. Turbo mode is intended for higher speed and faster acceleration. Your range will be lower in this mode.

The Economy / Turbo switch is a black rocker style switch on the throttle control. Do NOT confuse it with the Red Round Power Switch.

The Economy / Turbo switch can be changed while stopped or while moving. Be very cautious about switching into Turbo mode while in motion!

**Economy mode** limits power drawn to operate the motor. This has a direct effect on maximum speed and power but will give your GoBike® the best range and keep the Power Rack operating efficiently.

**Turbo Mode** should be used with caution. In this mode, the motor can draw power from the batteries at an extremely high rate creating tremendous heat in the motor in a very short time. This is to give the user all of the Power Rack potential power to achieve greater speeds, hill climbing capability, and improved acceleration. In this mode, your usable range is greatly limited. It is important for the operator to be aware that heavy loads on the motor is what creates over heating. **Avoid** frequent accelerations, burnouts, wheelies, towing heavy loads, long steep hill climbs, and the likes that require the motor to work extra hard is highly recommended. If you have been working the motor, carefully feel the temperature of the motor. If it is too hot to hold your hand/ finger against, then disengage or help by peddling and give it a chance to cool down before continuing.

NOTE: Econo/Turbo parameters are fully programmable by your authorized Go-Ped® dealer and can be tailored to your specific riding needs.

## 4.8 Disengaging/engaging Motor to Rear Wheel

The GoBike® Power Rack has a unique and simple feature to engage and disengage the drive roller to the wheel. While the motor is engaged, simply rotate the motor up until the latching hook catches the support stud.

To engage the motor to the wheel simply flip the latch out away from the stud and the motor will drop to engage the wheel.

## 4.9 GoBike® Power Rack Removal

The GoBike® Power Rack uses a universal seat clamp with a quick disconnecting feature. Use the quick release lever found on the universal clamp to open the rack clamping gate for removal or loosening it for fine tune adjustments of rack height.

## ELECTRICAL HAZARD

- Never modify the electrical system. Alterations could cause a fire resulting in serious injury and/or property damage and/or could ruin the electrical system and/or motor.

- Use of the wrong type battery or charger could cause a fire or explosion resulting in serious injury.
- Use of PMW components in other brands could cause overheating, fire or explosion.

### •Battery Handling

- The battery must be handled by adults only. Dropping the battery could result in serious and unsafe battery condition.
- Never allow children to charge the battery. Battery charging must be done by adults only. A child could be injured by the electricity involved in charging the battery in unsafe electrical cord handling.
- Read the safety instructions on the battery and avoid contact with battery terminals.
- Examine the power cord and connectors for excessive wear or damage each time you charge the battery. If damage or excessive wear is detected, do not use until you have replaced the worn or damaged part.
- The motor may be hot. Handle carefully.
- Keep batteries away from heat or open flames and always recycle at a proper recycling facility.



**Caution: Charge your vehicle only in dry locations.**

## B) Charging

Follow the safety caution and warnings at the beginning of this section 4.3. Your GoBike® Power Rack has a Li-ion smart charger built inside. In order to recharge the Power Rack all you need to do is plug one end of the provided charging chord into a standard wall outlet, and the other end into the plug receptacle on the side of the Power Rack battery compartment. On the other side of the battery compartment is an LED (light emitting diode) indicator. When the charger is energized, the LED will be “red” as the battery charges, and then it will turn “green” after the battery reaches full charge. Disconnecting the charging chord will cause the LED to turn off. Leaving the charger on 30 minutes after the LED turns green will allow the charger to balance the Li-Ion battery cells which will then optimize battery performance. For safety purposes, it is not recommended to leave the charger energized longer than 45 minutes after the charged green LED comes on. Though leaving the batteries uncharged should not harm the Li-Ion batteries, it is recommended to recharge the Power Rack after every use.

**Please Note:** It is not recommended to leave the charger energized longer than 45 minutes after the charged green LED comes on and it is recommended to recharge the Power Rack after every use.

### 4.4 Fuel Gauge (Flux Capacitor)

There are LED's on the throttle control, which indicate the level of charge in the batteries. When the Power Rack is turned on and batteries are fully charged all LED's will illuminate (green, yellow, red). After some riding, when the batteries are only partially charged the green LED will turn off, leaving only the yellow and red LED's illuminated. After more riding, when the batteries are low the yellow LED will turn off and the red LED will begin flashing. This indicates that you are nearly out of power!

If you continue riding after the red LED begins to flash, the bike will slow and may eventually turn itself off automatically. This is a safety feature intended to protect the batteries from damage. If this occurs, fully charge the batteries and then the Power Rack will be ready to resume operation.

### 4.5 Power Switch

The power switch is a Red push button marked “ON/OFF” found on the throttle control. Push the button once to the IN position to turn the GoBike® on and again to the OUT position to turn the GoBike® off. When the scooter is turned on the Flux Capacitor LEDs will be illuminated.

## Please read through this User Manual before attempting to install or operate the GoBike® Power Rack

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## Thank you for your recent acquisition of a California Go-Ped® brand product!

We are very happy and proud to welcome you to California Go-Ped®, the World's Best in Extreme Fun, Innovation and Quality. By choosing California Go-Ped®, you have selected the highest quality personal transportation products in the World, which have been handcrafted in the USA since 1985, using aircraft grade materials and the highest quality components.

As the leader in innovation, design and performance California Go-Ped® has paved the way for personal transportation by producing lightweight, fuel efficient, durable, performance minded, and well-balanced machines.

As a new Go-Ped® owner and User, you now have access to the widest dealer network, thousands of parts for your Go-Ped®, complete warranty coverage and instant access to service.

You are now part of the fastest growing community of electric vehicle enthusiasts in the world.

**A technical hot line is available if you may need further assistance that this manual does not provide at 925-373-7827**

**Attention:** For more information on the California Go-Ped® Company and Go-Ped® brand products, please visit us online at [www.goped.com](http://www.goped.com). You will also be able to find your local Go-Ped® dealer, buy OEM parts, learn about the latest news and Go-Ped® related events, receive product support information, and get connected with other GoPed® enthusiast.

## Section 1: Important Information

### 1.1 About this Manual

#### Why you should read this manual:

This manual was written to help you understand the operation and maintenance of your GoBike® Power Rack. It's important for you to understand your new GoBike® Power Rack, its features and operations. So starting from your first ride you will get the most from your new GoBike® Power Rack and keep it maintained for optimum performance and safety.

It is also important that your first ride with your new GoBike® Power Rack is taken in a controlled environment, away from vehicles, obstacles and other hazards.

Even if you have previous experience with motorized scooters, vehicles, bikes, and the likes, it is wise to still go through the manual to help better your understanding of safe operation, care and maintenance.



**General Warning: Biking can be a hazardous activity even under the best of circumstances. Proper maintenance of your bicycle and Power Rack is your responsibility as it helps reduce the risk of injury. This manual contains many "Warnings" and "Cautions" concerning the possible consequences of failure to follow instructions, perform maintenance, or inspecting your equipment. Any fall can result in serious injury or even death, so operating within the guidelines outlined in this manual will help reduce those risks.**

#### Attention:

- The status of the GoBike® Power Rack as a "motor vehicle" varies from state to state and is subject to drivers licensing, insurance requirements and registration.
- You should check with a reliable authority in your state to see if the GoBike® Power Rack must be registered as a motor vehicle. Your police department or local department of motor vehicles may be able to answer your questions or direct you to a reliable authority.
- Your insurance policies may not provide coverage for accidents involving the use of this device. To determine if coverage is provided you should contact your insurance company or agent.
- The **recommended age** and **minimum weight** for the GoBike® Power Rack is **16 years of age or older and 100 pounds**, but this is subject to the physical coordination of the rider, the ability of the rider to wear protective gear, use good decision making ability, and to take responsibility for their own actions.

### 1.2 A SPECIAL NOTE FOR PARENTS

It's a tragic fact that most children are more likely to have an accident. As a parent or guardian, you bare the responsibility for the activities and safety of your minor child. Among these responsibilities are to make sure that the bicycle which your child is riding is properly fitted to the child; that it is in good repair and in safe operating condition; that you and your child have learned, understand and obey not only the applicable local motor vehicle and traffic laws, but also the common sense rules of safe and responsible scooting. As a parent you should read this manual and go over all key points with your child before letting your child operate a power assisted vehicle.

## Section 2: Safety

### 2.1 Equipment Safety



**Warning: Many States or regions require specific safety devices or equipment. It is your responsibility to familiarize yourself with laws of the state or region in which you ride and to comply with all applicable laws, including properly equipping yourself and your Bicycle.**

**A. Helmets:** While not all States or regions require riders to wear approved protective head gear, common sense dictates that you should wear a DOT, Snell, BSI or CPSC approved helmet. Most serious incidents involve head injuries which might have been avoided if the rider had worn a helmet

**B) Peddle assistance.** Your GoBike® Power Rack was designed to assist you as you paddle your bicycle. Of course you are not required to peddle while operating your GoBike® but not peddling is asking your GoBike® Power Rack to do all the work and its available range will be directly effected by the work load you ask of it. Here are a few operator tips and tricks that will make a significant difference in the available range of your GoBike®.

1. Get in the habit of peddling up to speed before applying power. This will eliminate the higher loads the motor experiences that are created from starting out from a dead stop and accelerating under power to speed and will make a big defERENCE in usable range.
2. Peddle assisting the GoBike® dramatically reduces the energy consumption of the motor, therefore the more you peddle assist the further the GoBike® Power Rack's range will be.
3. Try to keep your speed constant as much as possible.
4. Avoid using the power rack for climbing hills.
5. Stick to smooth surfaces whenever possible and avoid riding off-road to keep the rolling resistance of the bicycle maximized.
6. Keep cargo weight as low as possible.
7. Do not operate the GoBike® Power Rack with your brakes applied.

**C) What you can do to your bicycle to make it better suited for use with the GoBike® Power Rack.** Naturally, some bikes and bike components work better with the GoBike® Power Rack than others. A key bike component that works with the GoBike® Power rack are your bike's tires. Knobby tires work great in off-road conditions but reduce traction on paved surfaces as well as add additional vibration and rolling resistance. Tires intended for use on paved surfaces will have an interlocking tread pattern best suited for the GoBike® Power Rack, Off-Road knobby tires will still work with the GoBike® but will add a vibration and reduced efficiency and range.

### 4.2 Gobike® Power Rack Initial Break-In

Like a gasoline powered vehicle your Power Rack does have a short break-in period. There are a couple reasons for this. First the batteries will begin to hold more power after some usage. Second the motor will break-in and start operating more efficiently. Break-in is best done by operating your Power Rack in the "Econo" mode during the first complete charge.

### 4.3 Charging and Charging Safety

#### A) Charging Safety

**Only charge your Power Rack in a clean dry space away from flammable materials.**

Though we anticipate none, and have encountered no safety problems while charging the GoPed® Li-ion polymer packs, there is always a remote possibility that unanticipated electrical or electronic discrepancies due to unintended uses and conditions could possibly cause a malfunction in the future without notice.



**CAUTION: All charging should be done in a safe location and should not be left unattended for any length of time, should any unlikely safety issue arise in the form of smoke or fire, it will not be possible to burn property or cause injury to people, i.e. outside and away from flammable structures. DO NOT charge the packs with any charging system other than what is provided.**

To minimize any and all safety concerns, it is recommended not to leave the charger on (plugged in) long after the optimum charge has been reached.

To optimize Li-ion battery charging cycle life it is not recommended to store batteries longer than 30 days without a fresh recharge each stored month.

To protect the packs from over discharging and damaging cell(s), the pack BMS will open a circuit (shut down) if the voltage sensor detects < 22.5V. Should that happen turning off all power to the Power Rack, and plugging it in will be needed to reset the circuit for recharge. As long as the lights on the "flux capacitor" can be turned on, the on board charger will be able to recharge the batteries.



In some cases the bicycle frame's "Seat Stays" may interfere with the GoBike® Power Rack's support beam preventing it from getting within the requires 1 to 2 inches from the tire. (Fig 3)

If this is the case for your bicycle you may need to measure the distance between the bottom of the GoBike® Power Rack to the tire, subtract 1 1/2" inch, and with a bench vice and common hacksaw, remove the end of the support beam for a proper fit. Example: If the bottom of the power rack sits 4" inches from the tire you will subtract 1 1/2" from the 4" that equals 2 1/2" inches that will need to be removed from the end of the square support beam for a proper drive roller to tire contact. (Fig 4)

Step 5) Remove the right side hand grip and install the GoBike® thumb throttle controller to the handlebars. You may need to make some minor adjustments to shifter levers and brake levers to not interfere with them. Reinstall the hand grip or replace with the one provided in the GoBike® Power Rack kit.

Step 6) Route the GoBike® throttle cable along the frame and secure in position with the provided cable fasteners and plug the quick latching pin connector to the pin connector found coming from the rack and your ready for your first test drive.

Note: The quick release on the universal seat clamp is used to adjust the rack height.



## Section 4: Using your GoBike® Power Rack.

### 4.1 Maximizing Performance and Usable Range of your GoBike® Power Rack

Fossil fuels have helped shape the world we live in today and have set a very high bar in terms of the amount of stored energy per a given volume and weight for other technologies to reach. We believe there is not going to be a one single solution to our existing worlds dependency of fossil fuels but changes to our fossil fuel life-style and thinking will help us get there much quicker. As new technologies advance, our basic understanding of these technologies and how we can maximize them should also advance, to help us get the most from them as they develop. This section was created to help you better understand your GoBike® and maximizing performance.

Drag, resistance, and heat is a constant struggle to maximize vehicle performance. There are a few things we can do to improve them to get better performance of the GoBike® Power Rack. There are a lot of little things that all add up and really make an improvement in performance if followed.

**A) Keep your motor cool.** Heat creates electrical resistance that can effect performance and range. The harder you make the motor work the more heat it will generate and the more energy it will require from the batteries. There are several things we can do to help prevent the motor from working so hard and greatly improve our usable range.

1. Make sure your bicycle is properly tuned up and maintained in good working order.
2. Check tire pressure, low tire pressure increases rolling resistance that will have a direct effect on usable range and speed.
3. Make sure your brakes work efficiently and do not drag on the wheel.
4. Your wheels should spin true and freely.

Your authorized Go-Ped® dealer may have a variety of attractive approved helmets, and can recommend one to suit your needs. Make sure that it fits correctly, is worn correctly and is properly secured. Ask your dealer to help with the fit and adjustment of your helmet, or refer to the owner's manual provided with the helmet. Buckle Up!

**WARNING: Always wear an approved helmet when riding your Bicycle. The helmet should be worn correctly as outlined in the helmet's owner's manual . Failure to wear an approved helmet can result in a serious injury.**



**B. Protective pads:** Elbow pads, knee pads, and wrist guards are not required by most states or regions. Again, common sense dictates that you should wear protective pads to help protect against injury. Your authorized Go-Ped® dealer may have a variety of protective pads, and can recommend one to suit your needs. A good set of pads should fit comfortably, stay in position at all times and not have any excess strapping, Velcro®, or other protrusions to catch on anything that can cause you to lose control.

**C. Shoes:** Your shoes should have good grip, protection, and support. Your shoes should have adequate strapping or laces so they stay on your feet. Make sure that laces or other strapping can not catch or hang-up on any part of the Bicycle or other objects. Never ride barefoot or wear sandals when operating a bicycle.

**D. Clothing:** Being seen is very important. Brightly colored, reflective helmets and clothing will help make riders more noticeable. Clothing should not be so loose that it can catch on moving parts or be snagged on other objects.

**E. Eye protection:** Any kind of riding can involve airborne debris, dust, and bugs, so common sense dictates that you should wear protective eyewear.

**F. Reflectors:** Reflectors are important safety devices designed to reflect light in a way that helps to be seen. The reflectors are intended to enhance the visibility of the vehicle but may not meet reflector requirements for your area.

**WARNING: Do not remove the reflectors from your Bicycle. Removing reflectors may reduce visibility to others. Reflectors are not suitable for use as lights. Riding at dawn, dusk, or night is not recommended.**



### 2.2 Mechanical Safety Check

Due to vibration, nuts and bolts can become loose. Make sure that all fasteners are securely fastened and tighten if necessary

Here is a simple procedure you should get in the habit of before you get on your bicycle:

**A. Nuts, bolts, and structural:** Pick your bicycle up a few inches and bounce it off the ground. Do a quick visual and tactile inspection of the whole bicycle. Make sure you look at all visible nuts, bolts and structural welds. If anything sounds, feels or looks loose or shows signs of stress then replace, or secure them. If you're not sure, ask someone with experience to check, or ask an authorized dealer to show you what to look for in a mechanical safety check.

**B. Tires and Wheels:** Check that pneumatic tires are properly inflated. Refer to the sidewall of the tire for recommended PSI. Properly inflated tires will help maximize your available range with the Power Rack. Checking PSI using a tire pressure gauge is recommended but you can also bounce your weight on the bicycle and compare tire deflection to how it looks when you know the tires are properly inflated. Spin the wheels and check that the tires have not yet reached the wear marks on the tires, have ripped, torn, or show any signs of distress, and replace as necessary. Make sure the wheels spin freely and true. If wheels wobble and/or rub the brakes then take it to a qualified authorized dealer for adjustments. For improved GoBike® performance it is recommended that you use a rear tire that does not have an aggressive knobby tread pattern and is properly inflated.

**C. Brakes:** Squeeze the brake levers and check that they are getting proper contact. Full braking force is applied when you squeeze the lever and the lever cannot touch the handle bar or grip. The brakes should not interfere with the rotation of the wheel when not applied. Make sure that all brake surfaces are clean and free of debris and still within their usable life. Do not ride the bicycle until the brakes are properly adjusted and working properly.



**WARNING: Only ride with properly adjusted brakes.**

**D. Control levers and cables:** Familiarize yourself with the levers and controls. Squeeze and or twist all levers/controls and make sure they are functioning properly. If they stick, move at the base, or do not get full range of motion, make adjustments as necessary or take to an authorized dealer for service. Do not ride the bicycle until the control levers and cables are properly adjusted.

Due to vibration, nuts and bolts can become loose. Make sure that all fasteners are securely fastened and tightened if necessary. Refer to section 2.2 Mechanical Safety Check

## 2.3 Biking Safety



**CAUTION: Like most sports, bicycling involves risk of injury and damage. By choosing to ride a bicycle you assume the responsibility for that risk. This makes it extremely important that you know, understand, and practice the rules of safe and responsible riding.**

Bicycling can be an environmentally useful, safe and fun way of reducing traffic congestion and improving cardiovascular fitness.

**A. Know Your Bicycle:** Familiarize yourself with the bicycle before you ride. Check the controls and ride very cautiously until you become familiar with the way the bicycle handles. Take turns slowly and give yourself extra stopping distance.

**B. Ride Within Your Abilities:** To control your bike, you need to keep it upright and make it go where you want it to go. This section cannot teach you how to control direction, speed or balance. Only a lot of practice will do that. Below are a few things to help you.

**D. Turning:** New riders tend to have more trouble turning than experienced riders do. The only way to make good safe turns is to practice. Always approach turns very carefully.

**E. Braking:** Front brakes provide most of your stopping power, but you will need to learn to adjust your center of gravity to maintain stability. Again, practice this at a safe speed until you are comfortable with this action.

**F. Areas to Ride:** Ride in a safe place free of cars in an area which will not disturb other people or animals and has a clean dry surface.

**2.4 Wet Weather Riding:** Your Gobike® power rack is water resistant but not water proof and so riding in wet conditions is not recommended and should be avoided.



**WARNING: Wet weather impairs traction, braking and visibility for riders and others. The risk of accident dramatically increases in wet conditions.**

**2.5 Night Riding:** Riding at night requires adequate lighting so you can avoid obstacles and others can see and avoid you.

**2.6 Off-Road or Trial Riding:** Riding off-road or on uneven surfaces creates heavy vibrations and shock loads on the sophisticated electrical components and should be avoided.

**2.7 Stunts, Wheelies, or Jumps:** These stunts can be fun, but it puts incredible amount stress on everything. Riders who insist on jumping risk serious damage to their equipment and themselves.



**WARNING: Riding at dawn, dusk, or at times of poor visibility without a lighting system which meets local regional laws and without approved reflectors is illegal, dangerous and can result in serious injury.**

## 2.8 Rules to Bike By:

- Always wear your safety gear.
- Never ride under the influence of alcohol or drugs.
- Learn the local laws and regulations.
- Ride defensively.
- Wear bright colored and/or reflective clothing.
- Avoid riding your bicycle at night or in conditions of poor visibility.
- Observe and yield the right of way and obey all rules of the road.
- Do not dart out of driveways or from between parked cars.
- Stop at all stop signs/lights.
- Be careful when checking traffic and don't swerve when looking over your shoulder
- Always go with traffic flow and keep to the far side of the road.
- Never ride on sidewalks.
- Avoid riding in bad weather, wet, muddy, icy conditions or when visibility is obscured.
- Do not do stunts, wheelies or jumps.
- You are sharing roads, trails and riding areas with others. Respect their rights, and be tolerant if they inconvenience you.
- Always yield to the right of way for pedestrians and animals. Ride in a way that does not frighten or endanger them, and avoid riding near them whenever possible.
- Keep your speed consistent with the conditions, and keep in mind that speed has a direct relation to control as well as component stress.
- Never carry passengers.
- Never carry anything that can obstruct vision, or control of your bicycle.
- Everyone must be responsible for the environment, ride accordingly.

## Section 3: Fitting the GoBike Power Rack to your Bicycle

The GoBike® Power Rack is designed to fit and work with most bicycles available today, however there are a few limitations you should be aware of before attempting to fit the GoBike® Power Rack to your bicycle. The bicycle frame must have a seat tube longer than 3/4" inch above the top frame tube. Fig 1

26" inch bicycles frames must have a frame seat tube no taller than 31" inches from ground. If your frame's seat tube is taller than 31" inches the GoBike® Power Rack will not have proper tire contact. Fig 1

20" inch bicycles frames must have a frame seat tube no taller than 23" inches from ground, If your frame's seat tube is taller than 23" inches the GoBike® Power Rack will not have proper tire contact. Fig 1

Step 1) Remove your seat post clamp and seat/seat post assembly.

Step 2) Install the GoBike® Power Rack's Universal Clamp to the bicycle frame's seat tube.

Step 3) Install the seat/seat post assembly back into position and tighten the 3 seat clamp bolts.

Step 4) Place the GoBike® Power Rack support beam into position in the universal clamp, so that the bottom of the battery pan will be within 1 to 2 inches above the tire. Fig 2

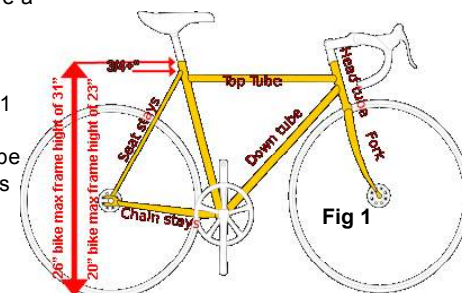


Fig 1

Bottom of GoBike Rack must sit between 1 and 2 inches above the rear tire.



Fig 2