



STACYC model 18EDRIVE

STACYC model 20EDRIVE

A large, light gray lightning bolt graphic is centered on the page, enclosed within a large, light gray circular border. The text 'ORIGINAL INSTRUCTIONS' is printed in black, bold, uppercase letters to the right of the lightning bolt's upper section.

**ORIGINAL
INSTRUCTIONS**

STACYC, INC.
6795 CORPORATION PKWY
SUITE 200
FORT WORTH, TX 76126

Part No. 94000763
Revision 2022-01

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INTRODUCTION:

Congratulations on your purchase and welcome to the Pit Crew. A STACYC™ is the world's first patented Electric Powered Balance Bike. A STACYC™ was designed to be a non-intimidating way for young children to learn and enjoy riding on two wheels. And, while it is meant to be a confidence-inspiring developmental tool, it is a serious piece of machinery and must be used per the guidance in this manual and the on-product labels to maximize user safety. As the purchaser of this machinery, you are responsible to make sure it is operated in the intended environment, under the supervision and control of an adult that is familiar with the design, the operation, and this manual. Reminder: Always ensure riders are wearing a helmet and proper footwear.

This STACYC™ was designed to build confidence and create new opportunities for the little rippers that climb aboard. The design of a STACYC™, combined with the duration and distance it allows, provides children with thousands of hours of seat time, during and beyond their formative years. The process is about development and enjoyment. Once your little ripper is proficient in coasting and braking, and comprehends the throttle function, they can begin the powered modes of the process. The ability of the powered modes to prolong the enjoyment, continue the development, and extend the ride, will inspire confidence for a child who has been riding or just learning for the first time.

STACYC™ will take your child and you to places you did not imagine were possible. However, before you and your child depart, please be sure to check and obey all local laws. STACYC™ balance bikes are designed for off-road use and are meant to be ridden where all pertaining laws are followed, and permissions are given.

Ride Sooner, Ride STACYC.

PLEASE READ MANUAL CAREFULLY BEFORE OPERATING

We care about the safety and comfort of our customers.

This manual will guide you through the proper techniques in operating your cycle.

For any additional information, please visit: www.STACYC.com

STACYC™ model 18EDRIVE and 20EDRIVE

Read and understand this entire manual before allowing a child to use this product.

NOTE: Manual illustrations are for demonstration purposes only. Illustrations may not reflect exact appearance of actual product. Specifications are subject to change without notice. Please have your product Serial Number (S/N) and a copy of your receipt before requesting warranty assistance or replacement parts.

Keep these operating instructions in safe place for future reference and rereading.

CAUTION:

Read and understand this entire manual before allowing a child to use this product

WARNING: Improper operation of cycle could lead to loss of control which can result in death or serious injury. Riding a cycle does present potential risks and caution is required.

Like any riding product, a cycle has inherent hazards associated with its use (for example, falling off or riding it into a hazardous situation). Like any riding product, cycles can and are intended to move therefore it is possible to lose control or otherwise get into dangerous situations. Both children and the adults responsible for supervising them, must recognize that if such hazards occur, a rider can be seriously injured or die even when using safety equipment and other precautions. **RIDE AT YOUR OWN RISK AND USE COMMON SENSE.**

WARNING: PARENTAL AND ADULT RESPONSIBILITY AND SUPERVISION REQUIRED:

To reduce the risk of injury, adult supervision is required. **IMPROPER USE OF THIS PRODUCT CAN CAUSE DEATH OR SERIOUS INJURY, READ THIS OWNER'S MANUAL PRIOR TO USE.** It is your responsibility to review this information and make sure that all riders understand all warnings, cautions, instructions and safety topics, and assure that young riders are able to safely and responsibly use these products. It is recommended that the information in this manual is reviewed regularly and the warnings and instructions reinforced with ALL riders. Please inspect and maintain the product to ensure safety. If you, as the parent or guardian delegate this task to another adult, it is **YOUR RESPONSIBILITY** to pass this owner's manual and all relevant information to whomever will take on this role, and ensure without question that the rider is supervised, controlled and taught in a safe manner.

WARNING: CHILDREN UNDER 8 YEARS OF AGE SHOULD NOT BE PERMITTED TO USE CHARGER UNDER ANY CIRCUMSTANCES

WARNING: THESE MODELS ARE NOT FOR CHILDREN UNDER AGE 3 OR HEAVIER THAN 115 LB (52 KG)

Children under 8 years of age should not use charger. No children should ride any cycle if they cannot sit on the seat and touch both feet flat on the ground at the same time. Because products, like cycles, can and do present potential hazards plainly associated with their use, it is well recognized THE NEED FOR EXERCISE OF PARENTAL RESPONSIBILITY IN SELECTING RIDING PRODUCTS APPROPRIATE TO THE AGE, SIZE AND DEVELOPMENTAL PROGRESS OF A CHILD, OR PARENTAL SUPERVISION IN SITUATIONS IN WHICH CHILDREN OF VARIOUS AGES MAY HAVE ACCESS TO THE SAME RIDING PRODUCTS, IS IMPORTANT. It is recommended that children under the age of 3 not be permitted to use the cycle. This recommendation is based not just on age or weight or height – it reflects consideration of coordination and skills as well as physical size. The recommended minimum rider age of 3 years or older is an estimate and can be affected by the rider’s size, weight or skills – not every child 3 years old will be suited to the cycle. Certainly, any rider unable to fit comfortably on the cycle should not attempt to ride it, but a parent’s decision to allow his or her child to ride these products should be based on the child’s maturity, skill, and ability to follow directions and rules. Adults are strongly advised not to disregard the manufacturer’s recommendations or permit younger children, or children 3 years or older if not deemed suitable, to ride the cycle. These products are intended for use only by children who are, at a minimum, completely comfortable and competent while operating these products in conjunction with parental assistance. Children with any mental or physical conditions that may make them susceptible to injury, or impair their physical dexterity or mental capabilities to recognize, understand, and follow safety instructions and to be able to understand the hazards inherent in a product’s use, should not use or be permitted to use this product if determined inappropriate for their abilities. Children or adults with heart conditions, head, back or neck ailments (or prior surgeries to these areas of the body), or pregnant women; should not to operate or provide supervision to these products. Not every product is appropriate for every age or size of child, and different age recommendations are found within this category of product which is intended to reflect the nature of the hazards and the expected mental or physical ability, or both, of a rider to cope with the hazards.

WARNING: DO NOT USE ON PUBLIC ROADS

Do not use on public roadways. Intended for use on public pathways, in accordance with local rules and regulations, and on private pathways and land.

WARNING:

The transmitted vibration of this machine does not exceed the threshold of 2.5m/s^2 for Hand Arm Vibration (HAV) or 0.5m/s^2 for Whole Body Vibration (WBV).

Emission sound pressure level is less than 70 dB(A)

Riding Practices and Conditions:

To reduce risk of injury, never use near motor vehicles, at night or when visibility is limited, or on or near steep inclines or steps. Do not ride in wet conditions or expose to water. Single rider only; do not permit passengers. Never use cycle to pull any person or item or allow cycle to be towed.

Keep safely away from cars and motor vehicle traffic, swimming pools, or other bodies of water, and only use where allowed with caution. Always check and obey

any local laws or regulations, which may affect the locations where the cycle may be used.

Do not activate the speed control on the hand grip unless you are sitting on the bike with both hands gripping the handlebar, both feet flat on the ground, and ready to ride. The maximum speed of the cycle is limited by the selected power mode (See Throttle Operation section below). Maintain a grip on the handlebars with both hands at all times. Do not touch the brake or motor on your cycle when in use or immediately after riding, as these parts can become very hot. Ride defensively. Watch out for potential obstacles that could catch your wheel or force you to swerve suddenly or lose control. Be careful to avoid pedestrians, skaters, skateboards, scooters, bikes, children or animals who may enter your path, and respect the rights and property of others. Wet, slick, bumpy, uneven or rough surfaces may impair traction and contribute to possible accidents. Do not ride your cycle through mud, over ice, through puddles, in wet or icy weather and never immerse or wash the cycle with water, as the electrical and drive components could be damaged. Never use near steps or swimming pools. Racing, stunt riding, or other maneuvers can lead to loss of control, which may result in death or serious injury, or equipment damage. Never allow more than one person at a time to ride the cycle. Do not ride at night or when visibility is limited. Never use headphones, a cell phone or text when riding. Never risk damaging surfaces, such as carpet or flooring, by use of a cycle indoors. Never tow anything or anyone with or allow your cycle to be towed by any other person or vehicle, motorized or not.

WARNING: POWERED & ROTATING PARTS

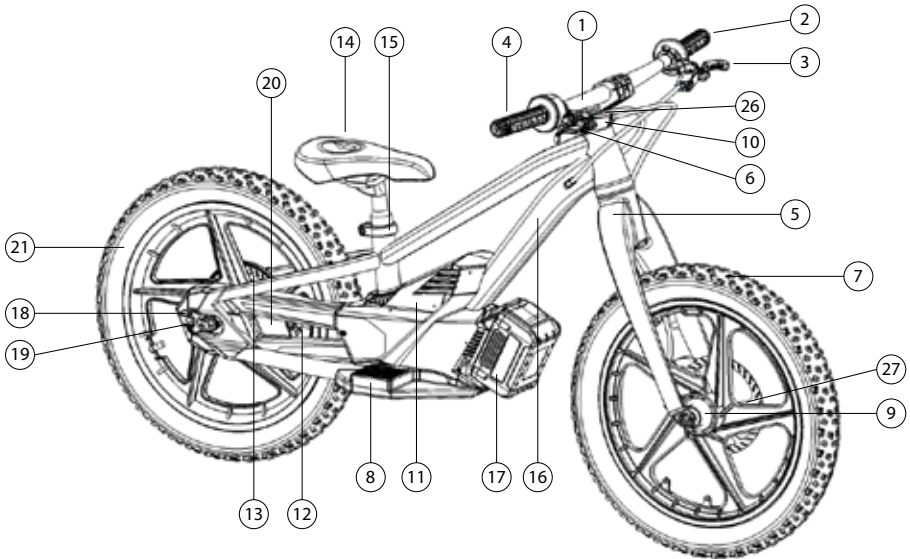
KEEP AWAY FROM MOVING PARTS TO AVOID LACERATIONS OR OTHER SERIOUS INJURIES. DO NOT OPERATE WITHOUT GUARDS. ALWAYS REMOVE BATTERY BEFORE PERFORMING MAINTENANCE. Never operate the cycle without the side panels and chain guard properly installed. Do not allow hands, feet, hair, body parts, clothing, or similar articles to come in contact with any rotating or moving parts, wheels, or drive train components and chain while the motor is running or while the wheels and tires are rotating. Remove the battery before accessing any parts that move, including the wheels, sprockets, and chain, and do not reinstall until repair or maintenance is complete

WARNING: RISK OF ELECTRIC SHOCK OR FIRE

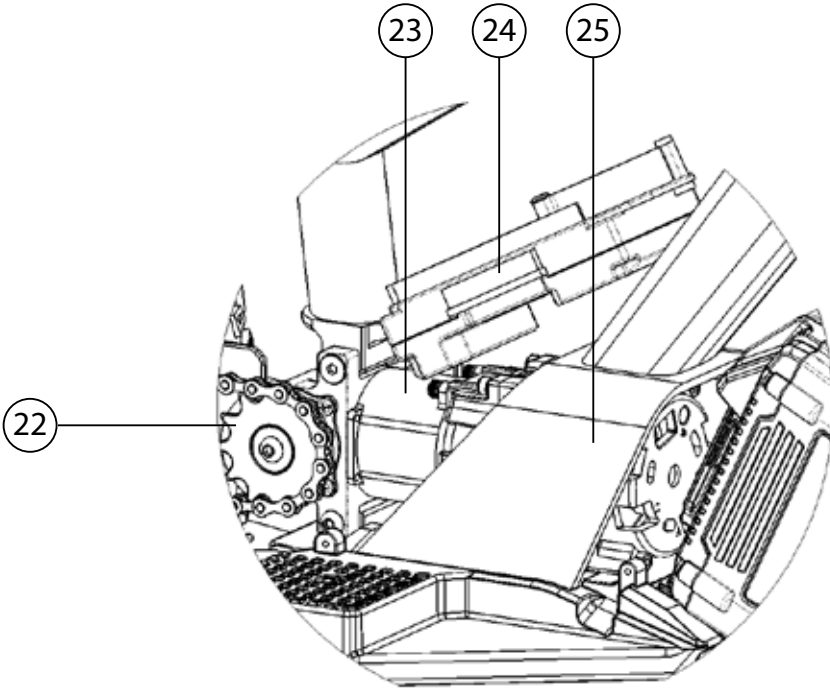
Do not expose to water. Keep away from fire. Use only Li-ion battery and charger specified by the manufacturer. Do not disassemble battery or insert in charger if battery is cracked or damaged.

WARNING: PROPER RIDING ATTIRE REQUIRED

TO REDUCE RISK OF INJURY, ALWAYS WEAR A HELMET AND SHOES. Always wear proper protective equipment, such as an approved and properly fitted safety helmet (with chin strap securely buckled) and shoes (with enclosed toe and heel that cover the entire foot). Keep shoelaces tied and out of the way of the wheels, motor and drive system. Never ride barefooted or in sandals. Long-sleeved shirt, long pants, gloves, elbow pads, kneepads, and eye protection are recommended. Furthermore, a helmet may be required by local law or regulation in your area. Your child's brain is their most valuable asset, **MAKE THEM WEAR AN APPROVED, PROPERLY FITTED AND BUCKLED HELMET.**

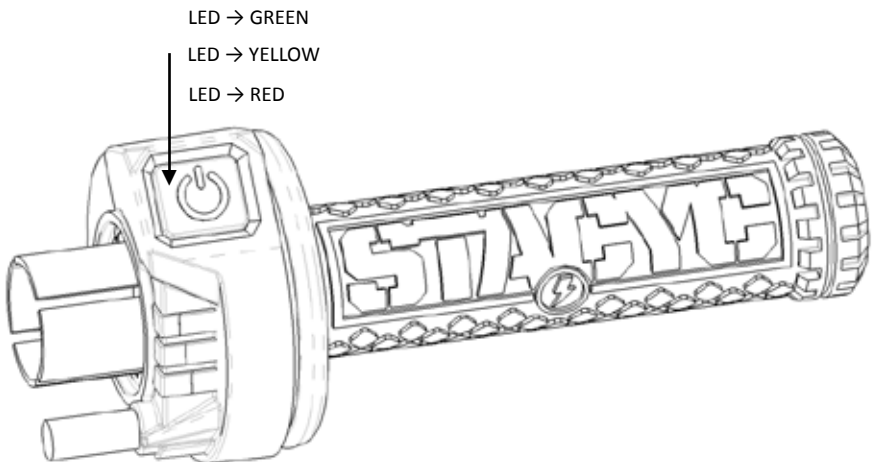
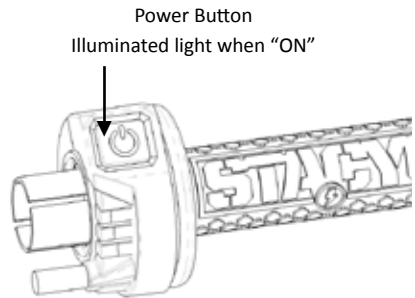
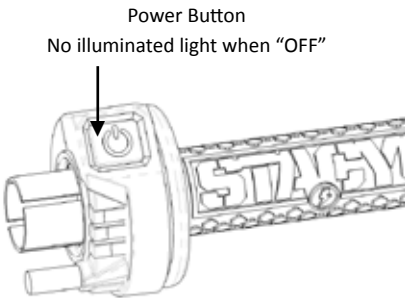
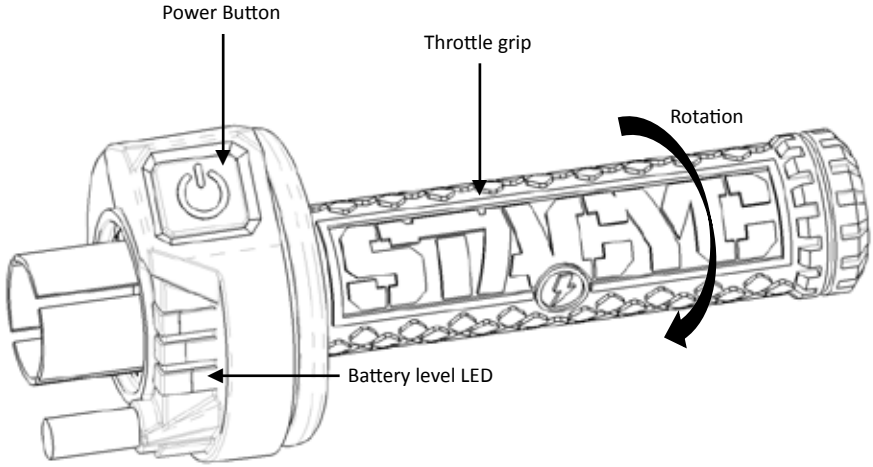


1. Handlebar: Aluminum bicycle handlebar
2. Handlebar Grip: Left side handlebar grip
3. Rear Brake Lever: Adjustable rear brake lever
4. Throttle: Twist type throttle with Battery Level indicator lights
5. Front fork: Aluminum Rigid or Suspension fork depending on model
6. Front Brake Lever: Adjustable front brake lever
7. Front wheel: Composite front wheel assembly with pneumatic tire and inner tube
8. Foot rest: Plastic injection molded, atraumatic designed footrest
9. Front axle nuts: Front axle nut and washer to fasten front wheel to forks
10. Headset: Front bicycle style headset steering system
11. Side panels: Plastic injection molded side panels to hold and protect electronic motor and controls
12. Chain Guard: Plastic injection molded chain guard
13. Chain: Bicycle chain
14. Seat: Bicycle seat/saddle
15. Seat clamp: Bicycle seat clamp to fasten seat position
16. Frame: Heat treated aluminum frame
17. Battery: 36Vnom/40Vmax battery pack
18. Rear Axle Nuts: Rear axle nut and washer to fasten rear wheel to frame
19. Chain Tensioner: Bicycle chain tensioner to set chain tension and wheel position
20. Rear Disc: Rear bicycle disc brake assembly
21. Rear Wheel: Composite rear wheel with pneumatic tire and inner tube



- 22. Drive sprocket: Proprietary steel drive sprocket
- 23. Drive motor: 18V electric motor
- 24. Electric Speed Controller (ESC): 18V, Electric Speed Controller
- 25. Motor Cage: Frame component housing motor
- 26. Stem: Aluminum bicycle stem, attaching the front fork to the handlebar
- 27. Front Disc Brake Assembly; Front bicycle disc brake assembly

THROTTLE COMPONENTS/FEATURES:



LED INFORMATION

POWER BUTTON	LED INDICATOR	LED	SITUATION/ REACTION
OFF	NONE	NONE	cycle powered off
ON	NONE	NONE	battery not charged
ON	POWER BUTTON	RED	cycle powered on and in "LOW/TRAINING" power mode
ON	POWER BUTTON	YELLOW	cycle powered on and in "MEDIUM" power mode
ON	POWER BUTTON	GREEN	cycle powered on and in "ADVANCED/FAST" power mode
ON	POWER METER	3 BARS	battery fully charged
ON	POWER METER	2 BARS	battery 65% charged
ON	POWER METER	1 BAR	battery 30% charged

PRE-RIDE INSPECTION & CHECKLIST:

Never ride your cycle on public streets, roads, highways, at night or when visibility is limited. Inspect cycle for damage. Do not ride a damaged cycle.

Power Button: Ensure the Power switch is in the “OFF” position during the Pre-Ride Inspection and remains “OFF” until the rider is sitting on the saddle, both hands gripping the handle bars, both feet flat on the ground.

Throttle: Ensure the battery is removed and the power switch is in the “OFF” position. Ensure there are no cracks or visible damage. Check that the throttle rotates freely and the return spring returns the throttle back to the “ZERO” position from the “FULL”. If the throttle does not rotate freely and automatically return back to “ZERO” when released, contact an authorized repair center before using the cycle.

Brake: Check brake for proper function. When you squeeze lever, brake should provide positive braking action. Make sure that brake is not rubbing when lever is released. Adjust as required prior to use. See “Brake Adjustment” below.

Side Panels and Chain Guard: Verify side panels and chain guard are properly installed.

Tires: Periodically inspect tires for excess wear and aging. Regularly check tire pressure and inflate as per tire sidewall.

Frame, Fork, Stem and Handlebars: Check for cracks and loose hardware. Broken components are rare, however it is possible for a reckless rider to run into a curb or object and cause damage. Get into the regular habit of inspecting your cycle every time you ride it! **NEVER OVERTIGHTEN STEM OR STEER TUBE HEAD BOLT.**

Hardware/Loose Parts: Check all hardware, such as nuts, bolts, cables, fasteners, etc. to ensure they are secure. There should not be any unusual rattles or sounds from loose parts or broken components. If the unit is damaged, do not ride it.

Safety Gear: Check that proper protective gear, such as an approved and properly fitted safety helmet, eye-wear, athletic shoes (closed toe shoes with rubber soles), elbow pads, kneepads, etc., are in place prior to riding. Keep shoelaces tied and out of the way of the wheels, motor and drive system. **NEVER RIDE BAREFOOTED OR IN SANDALS.**

Laws and Regulations: Check and obey any local laws or regulations prior to riding.

Insurance: Verify with your insurance company that your existing insurance policies provide necessary coverage for cycle use.

CHARGING THE BATTERY:

Remove the battery from the cycle. Plug the charger into an outlet and slide the battery into place on charger.

New batteries can take longer to charge. Allow the battery to charge until the green LED is solid before removing the battery from the charger. A flashing green status LED indicates the battery is in the final stage of charging which includes cell balancing, which is very important to the life of the battery. If both the red and green LEDs are flashing there is a problem with the battery or charger. Remove the battery and unplug the charger, and repeat the charging process. Remove the battery from the charger when charging is complete.

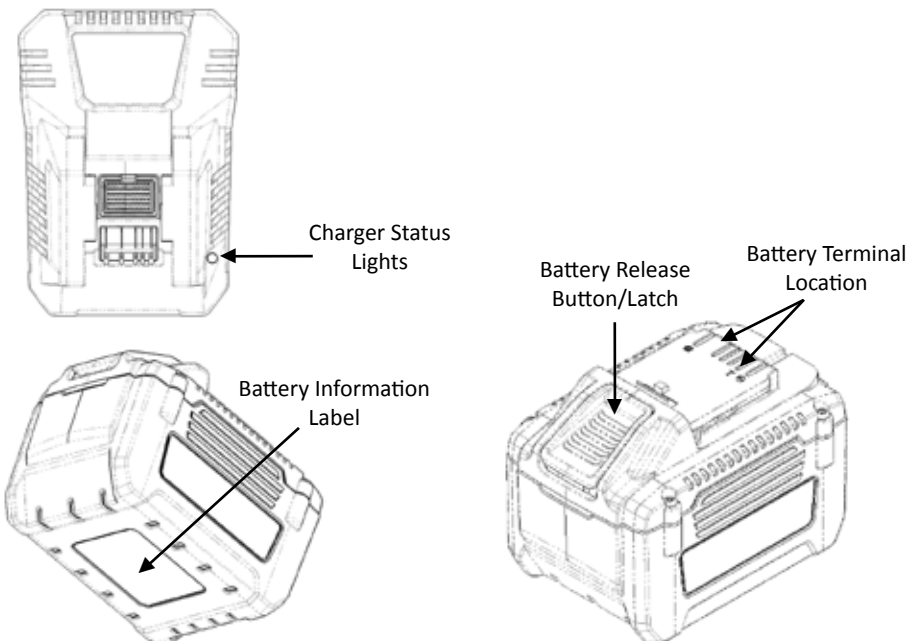
BATTERY CHARGER:

Without Battery Installed:

- Flashing green LED = power from outlet present

With Battery Installed:

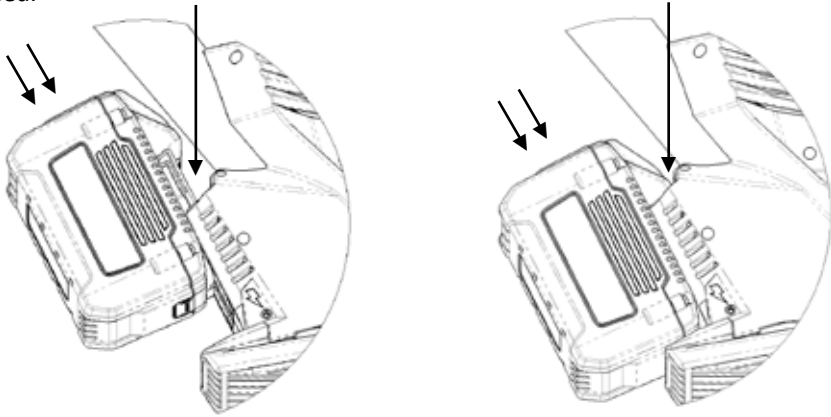
- Solid green LED = charging complete
- Flashing green LED = charging in process; more than 80% charged
- Solid red LED = charging in process; less than 80% charged
- Flashing red LED = battery too hot to charge
- Flashing red and green LED = error detected; remove and reinstall battery



BATTERY INSTALLATION:

Note: The cycle should be turned OFF and the battery removed when unit is not in use. If the power switch is left on, the battery loses its charge.

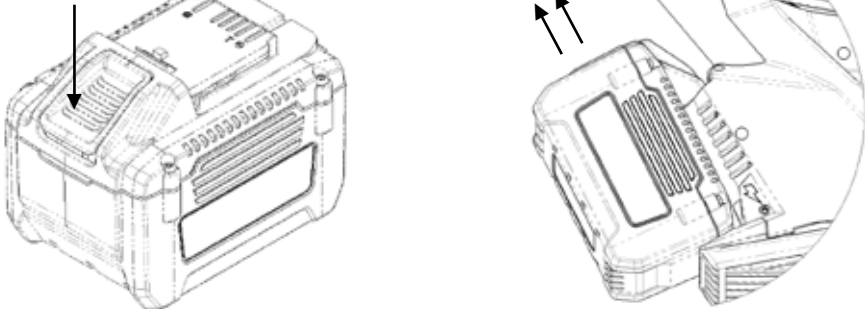
1. Locate battery and orient as shown, it is easier if you turn the handlebars left or right 45 degrees.
2. Slide battery into slot on the front of the down tube of the cycle.
3. There is a point where the battery release latch/button provides some resistance. Push the battery past this point. You should hear a click, and this gap should be closed.



BATTERY REMOVAL:

1. Turn the handlebar 45 degrees from straight.
2. Depress the battery release latch/button and slide battery out of slot in the direction shown.

Battery Release
Button/Latch



THROTTLE OPERATION:

(Confirm Speed Mode & Check Battery Level)

Operation of throttle is only for those supervised by an adult. In no circumstances should a child be allowed to operate the cycle without proper training and supervision. If the child cannot walk, run, coast and brake, they are surely not ready for throttle control.

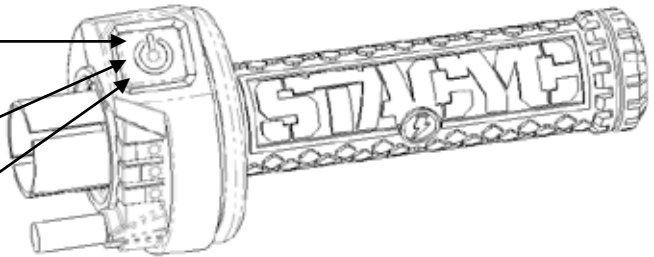
1. Ensure power button is in “OFF” position, throttle in “zero” position.
2. Install Battery.
3. Power on bike. (Power Button to “ON” position)
 - a. Audible Beep.
 - b. Followed by a light indicator.
 - c. Light indicates the power mode that is currently selected.
 - i. RED-Low Speed/Power *factory default
 - (training mode)
 - ii. YELLOW-Medium Speed/Power
 - (standard mode)
 - iii. GREEN-Fast Speed/Power
 - (advanced mode)

RED LED illuminated
(default)

Low-Speed/Power

YELLOW LED illuminated
Medium-Speed/Power

GREEN LED illuminated
Fast-Speed/Power

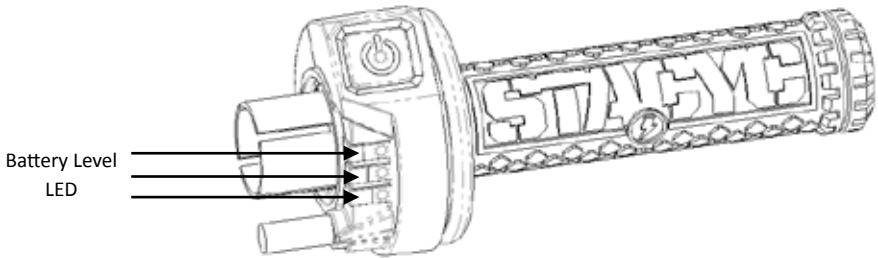


4. While sitting on the bike, both hands gripping the handlebar, both feet flat on the ground and ready to ride, power meter LEDs will show the battery level
 - a. 3 Bars→indicate full charge
 - b. 1 Bar→indicate medium-low battery level
 - c. 1 Bar→low battery level and battery needs to be changed.

Power→"ON"
LED→3 Bars
(Full Battery Charge)

Power→"ON"
LED→2 Bars
(Med-Low Battery Charge)

Power→"ON"
LED→1 Bar
(Low Battery Charge)



5. If you continue to twist the throttle (10%+), the motor will be activated. The more the throttle is twisted, the more power is delivered to the motor, based on the power program selected.

6. Exercise caution around moving parts and wheels.

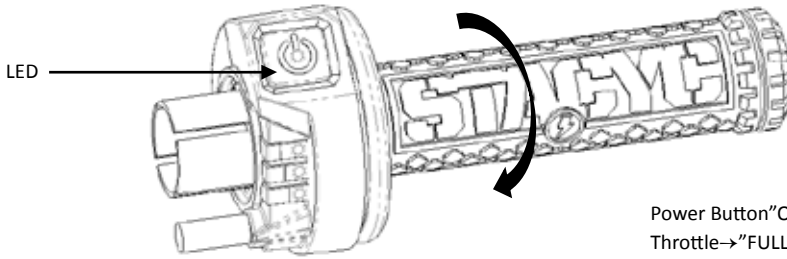
7. Contact customer service or go visit:
www.STACYC.com if unsure about any operational procedure.

CHANGING POWER MODES (TO BE PERFORMED BY ADULTS ONLY)

Your cycle is equipped with 3 power modes for different skill levels. Training Mode, Standard Mode and Advanced Modes. We do not advise showing children how to adjust the modes. Each child should have the mode set by an adult who will be closely supervising the child. DO NOT put your child on the "Advanced" mode without working through the process of learning the Training and Standard Modes.

Activate Program Selection:

1. Ensure power button is in "OFF" position.
2. Install Battery.
3. Ensure bike power button is "OFF" and no LED lights are on, or no beeps were heard.
 - o If any LED light is on, turn bike Power button to "OFF"
 - o If you heard a beep, turn bike Power button to "OFF"
4. Turn throttle gently and **hold throttle** in "FULL" position. Do not release.
5. Turn power button to "ON" position, do not let throttle move from "FULL" position.
 - o The yellow LED light will flash 5 times, then all the LED lights will flash and beep 5 times, all LEDs will remain lit. Wait 1 sec, then release throttle. All LED lights should be off.
 - o If LED lights are on, repeat from step 3, and be sure not to twist the throttle quickly as it is not in Program Mode.



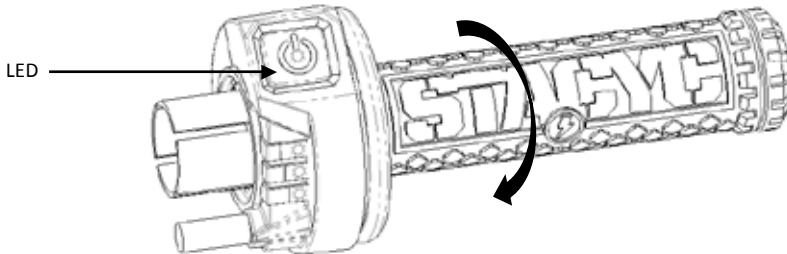
Power Button "OFF"
 Throttle → "FULL" position
 HOLD THROTTLE IN FULL
 POSITION

Power Button "ON"
 Throttle → "FULL" position
 LED → flashing YELLOW
 5 yellow flashes

Power Button "ON"
 Throttle → "FULL" position
 LED → flashing GREEN
 5 Green flashes with 5 beeps, all
 LEDs stay lit, release throttle, all
 LED lights off, ready to choose
 power model

Select Program:

6. Turn throttle, and as the throttle moves through the range of power modes, the Green LED light will illuminate.
7. Hold Throttle at the power mode (LED position) desired approximately 5 seconds until "2 short beeps" are heard.
 - o Red → training mode (slow)
 - o Yellow → standard mode (medium)
 - o Green → advanced mode (fast)



Selection MODE:
 Throttle → "LOW" position
 LED → solid RED
 (training mode)

Selection MODE:
 Throttle → "MID" position
 LED → solid YELLOW
 (standard mode)

Selection MODE:
 Throttle → "FULL" position
 LED → solid GREEN
 (advanced mode)

Exit Program Selection:

8. Release throttle.
9. All LED lights flash together 1 time with "1 long beep".
10. LED Light indicating selected power mode will now be illuminated.
 - o Operation of cycle will be with the illuminated power mode. Cycle will stay in this power setting unless changed as per steps above:
 - o Red → training mode (slow)
 - o Yellow → standard mode (medium)
 - o Green → advanced mode (fast)

PROGRAMMING MODE ACTIVATION: only to be activated by an adult

POWER BUTTON	THROTTLE POSITION	LED ILLUMINATION	NOTES:
OFF	Hold at FULL	NONE	Cycle is turned OFF
ON	Hold at FULL	YELLOW flashing (5xs)	
ON	Hold at FULL	GREEN Flashing + Beeping (5xs)	
ON	Hold at FULL +1sec	NONE	
ON	Release to ZERO	NONE	
ON	Turn throttle -lights will light up as throttle moves from ZERO to FULL	Select power level and hold throttle until you hear 2 short beeps	IF ANY LIGHTS REMAIN ILLUMINATED WHEN THROTTLE IS RETURNED TO ZERO, PROGRAM MODE IS NOT ACTIVATED AND BIKE WILL MOVE WHEN TURNING THE THROTTLE. EXERCISE CAUTION.
ON	Release to ZERO	GREEN lights flash and 1 long beep is heard	
ON	ZERO	“SELECTED POWER MODE, LED WILL ILLUMINATE”	GREEN=ADVANCED/HIGH POWER YELLOW=STANDARD/MEDIUM POWER RED=TRAINING/LOW POWER

THE STARTING PROCESS: SIT, PUSH, COAST, BRAKE, PRACTICE

(Perform under adult supervision, wearing protective equipment, in an open and safe area)

Non-powered training: (Turn Power Button to the “OFF” position and remove battery)

1. **Sit** on bike with feet on ground. Familiarize rider with seat, foot platform, brake(s), handlebars, throttle and their function.
2. **Push** bike around with feet on ground learning balance and confidence.
3. **Coast** and practice controlled turning with feet on platform.
4. **Brake** to a safe stop using hand brake while maintaining control.
5. **Practice** standing and stopping while maintaining control without falling.

Powered Mode Qualifying Checklist:

Can rider push and coast safely with feet on platform?
Can rider maintain control while standing on platform?
Can rider control bike from start to stop?
Can rider use hand brake to stop on command?
Can rider coast and turn while navigating mild hills and obstacles?
Has rider demonstrated enough control to move to powered riding without being a risk to themselves and others?
If so move to Powered Mode training!

Power Mode :

- Training Mode - For use with all new riders.
 1. Turn Power Button to the “OFF” position.
 2. Install Battery.
 3. Turn Power Button to the “ON” position.
 4. Ensure **RED LED** is lit, indicating “Training Mode” selected. If not see Throttle operation and Changing Power Mode sections in this manual.
 5. Have child carefully push cycle forward and practice slightly twisting throttle learning to feel the cycle beginning to move forward under power.
 6. With feet on ground have child progressively increase throttle use until moving forward balancing on their own.
 7. Have child practice rolling throttle on and off as well as safe stops with hand brake.
 8. As child gains balance and demonstrates throttle and brake skills, advance to riding with feet on the platform.
 9. Coach child to maintain a safe distance from obstacles and other riders.
- Standard Mode - The majority of users will find this speed to be adequate for significant skill building and lots of fun.
 1. Turn Power Button to the “OFF” position.
 2. Install Battery.

3. Turn Power Button to the “ON” position.
 4. Ensure **YELLOW LED is lit**, indicating “Standard Mode” selected. If not, see Throttle operation and Changing Power Mode sections in this manual.
 5. Adult should supervise child as the top speed and acceleration have both increased in this mode.
 6. The child must demonstrate the ability to roll off throttle and use the brake to slow to a stop, and maintain a safe distance for obstacles and other riders.
- **Advanced Mode** - This mode is for advanced and older riders only.
 1. Turn Power Button to the “OFF” position.
 2. Install Battery.
 3. Turn Power Button to the “ON” position.
 4. Ensure **GREEN LED is lit**, indicating “Advanced Mode” selected. If not, see Throttle operation and Changing Power Mode sections in this manual.
 5. Adult should supervise child as the top speed and acceleration are at their maximum in this mode.
 6. The child must demonstrate the ability to roll off throttle and use the brake to slow to a stop, and maintain a safe distance for obstacles and other riders.

SAFELY APPROACHING OR RE-MOUNTING THE CYCLE:

During adult supervision, always teach children to approach the cycle with caution before use, while standing back up if knocked over, or after a spill.

1. Carefully place the Power Button into the “OFF” position.
2. Ensure all wheels/tires and drive train components have stopped rotating or moving.
3. Perform a “Pre-Ride Inspection” (below)
4. Have rider mount the cycle, gripping the handlebars with both hands, sitting on the saddle with both feet flat on the ground.
5. Place the power button into the “ON” position.
6. Finally: carefully resume riding your cycle.

LOADING AND UNLOADING A CYCLE INTO A VEHICLE:

1. Place the Power Button into the “OFF” position.
2. Remove battery.
3. Load into vehicle for transport.
4. After unloading, ensure Power Button is in “OFF” position.
5. Install battery.
6. Perform Pre-Ride Inspection.

FAILURE TO USE COMMON SENSE AND HEED THE ABOVE WARNINGS INCREASES RISK OF SERIOUS INJURY. USE WITH APPROPRIATE CAUTION AND SERIOUS ATTENTION TO SAFE OPERATION.

CHECK AND MAINTAIN CYCLE:

Before use, check to confirm that the cycle is in proper working order. The cycle should be maintained and repaired in accordance with the manufacturer's specifications, using only the manufacturer's authorized replacement parts, and should not be modified from the manufacturer's original design and configuration

REPAIR AND MAINTENANCE:

WARNING: Motor and Electronic Speed Controller (ESC) can be very hot and cause burns. It is critical that the cycle is allowed to cool prior to accessing motor and ESC.

WARNING: To prevent shock, follow the instructions and do not skip any steps.

Tools Required:

- 2.5, 3, 4, 5, 6 mm Allen Wrench
- 8, 10, 15 & 17 mm socket or open end/box end wrench
- #2 Phillips screw driver or T-10 Torx driver

WARNING: ALWAYS turn power switch to "OFF" position, remove the batter, allow cycle to cool before beginning repair or maintenance, and do NOT reinstall batter until all repair or maintenance is complete.

Read instructions.

- Ensure the power button is "OFF".
- Ensure the battery is removed and cycle has had adequate time to cool. (up to 30 minutes)
- Secure the cycle for repair or maintenance.
- Exercise caution around exposed parts.
- Contact customer service if unsure about any repair or maintenance.

STEM/HEADSET:

Tighten steer tube head bolt with 5mm Allen to 45 IN-LBS (5Nm)

WARNING: DO NOT OVER TIGHTEN

Tighten stem bolts with 6mm Allen to 45 IN-LBS (5Nm)

WARNING: DO NOT OVER TIGHTEN

Replacement Parts:

For the complete selection of replacement parts visit www.STACYC.com.

Repair Centers:

For a list of authorized service centers visit www.STACYC.com.

Test Brake:

1. Squeeze brake lever and hold.
2. Push cycle forward. The rear wheel should not spin if brake is adjusted properly.
3. If rear wheel spins when pushed forward or brake lever engages prematurely, refer to corresponding brake component manual provided with your model.
4. Repeat sequence 1-3 for front brake, if applicable.

WARNING:

Careful adjustment of brake is critical as the brake is capable of causing the cycle to skid the tire throwing an unsuspecting rider. Test and practice braking in an open area free from obstacles, in a straight line, until child is familiar with the brake function. Avoid skidding to a stop as this can cause child to lose control or damage the rear tire.

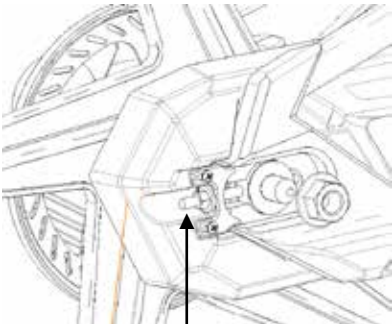
WARNING:

Do not lubricate the rear brake assembly.

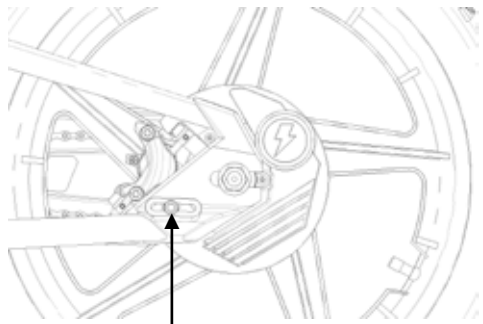
Cush Drive Inspection:

1. Remove screws from side panels to gain access to the drive sprocket
2. Loosen nut with 4mm Allen
3. Remove Allen and washer.
4. Remove Drive Sprocket
5. Remove Sprocket Hub
6. Inspect Polymer Insert(s)
 - a. If compressed, torn, severed, or otherwise distorted contact STACYC or authorized dealer for replacement parts
7. Re-Insert Polymers into Sprocket Hub
8. Align Drive Sprocket on Sprocket Hub Using 3 Pins
9. Replace Washer and Tighten Allen

Replace Chain:



Chain Tensioner



Bolt to secure brake bracket

Note: Chain may be greasy and dirty.

Turn power switch to “OFF” position, remove battery, allow cycle to cool before beginning repair or maintenance:

1. Ensure the power button is “OFF”.
2. Ensure the battery is removed and cycle has had adequate time to cool. (up to 30 minutes)
3. Secure the cycle for repair or maintenance.
4. Exercise caution around exposed parts.
5. Remove right side panel.
6. Rotate rear wheel until master chain link is near motor sprocket.
7. Loosen both rear axle nuts, bolt securing brake bracket and loosen chain tensioner.
8. Push wheel forward to loosen chain.
9. Remove master chain link, then chain.
10. Install replacement chain, re-attach master link.
11. Tension chain by pulling rear wheel outward with aid of chain tensioner, aligning the tire straight forward.
12. Tighten rear axle nuts, bolt securing brake bracket and snug chain tensioner.
13. Install right side panel.

Replace Front Tire and/or Tube:

1. Loosen front axle nuts and axle keeper tabs.
2. Remove wheel.
3. Deflate tube and remove tire from wheel.
4. Install new tire and/or tube onto sidewall.
5. Inflate to pressure recommended on sidewall.
6. Install front wheel and tighten front axle nuts, positioning axle keeper tabs into lower hole in fork blade.

Replace Rear Tire and/or Tube:

1. Remove right side panel.
2. Snip zip-tie on hose keeper on the chain stay near side panel.
3. Remove brake caliper bracket bolt.
4. Remove disc guard.
5. Loosen rear axle nuts and remove chain tensioner assembly.
6. Push rear wheel forward and remove chain from motor sprocket.
7. Remove rear wheel.
8. Deflate tube and remove tire from wheel.
9. Install new tire and/or tube onto wheel.
10. Inflate to pressure recommended on sidewall.
11. Replace wheel assembly in dropouts and disc guard.
12. Tension chain by pulling rear wheel outward with aid of chain tensioner, aligning the tire straight forward.
13. Tighten rear axle nuts, bolt securing brake bracket and snug chain tensioner.
14. Install right side panel.

Seat Height Adjustment:

1. Release the seat height adjustment clamp and extend the seat post until the desired seat height is achieved, then tighten the adjustment clamp. The seat post is marked with an indicator line. **Do not extend past the indicator line.**

Note: Low seat height is recommended. Low seat height allows the operator to easily reach the ground for more secure footing, and increases rider confidence.

Battery and Battery Disposal:

Refer to battery manufacturer documentation for proper battery maintenance.

Battery Disposal: Your cycle uses sealed lithium cell batteries which must be recycled or disposed of in an environmentally safe manner. Do not dispose of a lithium cell battery in a fire; the battery may explode or leak. Do not dispose of a lithium cell battery in your regular household trash. The incineration, land filling or mixing of sealed lithium cell batteries with household trash is prohibited by law in most areas. Return exhausted batteries to a federal or state approved lithium cell battery recyclers or a local seller of batteries. Many states have laws prohibiting the disposal of lithium cell batteries in the municipal waste stream. Check with your local state law.

Wheels/Tires:

Wheels and tires are subject to normal wear and tear. It is the responsibility of the user and parent to periodically inspect wheels and tires for damage and excessive tread wear. Do not operate with worn or damaged tires.

THROTTLE ERROR CODES

Protection mode	Low voltage protection	< 30V ± 5%	Green light flickering (short beep *1)
	High voltage protection	> 50V ± 5%	Green light flickering (short beep *1,long beep*1)
	Battery over temperature protection	> 65 ± 5°C	Red light flickering (long beeping)
	Battery low temperature protection	< -20 ± 5°C	
	Throttle_speed input>1V	> 10%Throttle voltage	Yellow light flickering (long beeping*2)
	Motor over temperature protection	> 120± 5°C	Red light flickering (1seconds) (long beep)
	Motor low temperature protection	< -20 ± 5°C	
	Mos over temperature protection	> 90± 5°C	Red & green light flickering mutually (short beeping *2)
	Mos low temperature protection	< -20 ± 5°C	
	MOTOR HALL ERROR	HALL SENSOR ERROR	Yellow & green light flickering mutually (continuously)
Protection mode (working stage)	Battery pack low voltage protection	< 26V±0.5%; 0.3s	Green light flickering (short beep *1,long beep*2)
	Battery over temperature protection	> 70±0.5°C; 1s	Red light flickering (short beeping*3, long beeping*1)
	Battery low temperature protection	< -20±0.5°C; 3s	
	Motor over temperature protection	> 120±0.5°C; 0.5s	Red light flickering (0.5seconds)(beeping contiuously)
	Motor low temperature protection	< -20±0.5°C; 3s	
	Mos over temperature protection	> 95±0.5°C; 1 s	Red & green light flickering mutually (long beeping *2)
	Mos low temperature protection	< -20±0.5°C; 3s	
	Over current protection	> 178A±0.5%; 0.2s	Red & green light flickering mutually (long beeping *2)
MOTOR HALL ERROR	HALL SENSOR ERROR	Yellow & green light flickering mutually (continuously)	
Warning	Motor over temperature warning	Turn on> 110± 5°C; 0.5s Turn off< 105± 5°C ; 0.5s	Yellow light flickering (every 2 seconds*short beeping*1)
	Blocked protection (when the bike is blocked)	In a condition: throttle >20%, motor rpm<1050rpm and motor current is over 27A.	Yellow & green light flickering mutually (continuously)

TROUBLESHOOTING GUIDE

A fully charged battery must be installed prior to performing any troubleshooting and must

PROBLEM:	POSSIBLE CAUSE:	SOLUTION:
Power Button is turned "ON", cycle does not work	Battery not installed or fully seated	Verify a fully charged battery is installed until battery release button "clicks"
	Battery not fully charged	Verify the battery is fully charged
Cycle stopped working while riding	Motor or electrical system damage	Verify battery is installed until battery release button "clicks". Contact your local authorized service center for diagnosis and repair.
	Loose battery or wire connection(s)	Recharge or Replace battery
	Power button faulty	Contact your local authorized service center for diagnosis and repair.
	Throttle faulty	Contact your local authorized service center for diagnosis and repair. Watch for error codes on LED indicating overload/overheat. Do not exceed the weight limit of 115 lb (52 kg), ride on flat terrain.
	Rider weight / Terrain too steep	
Short run time/ runs slow	Battery not fully charged	Verify the battery is fully charged
	Old or damaged battery	Replace battery
	Tire is not properly inflated	Inflate tires to the recommended pressure on tire sidewall. Replace tube if unable to maintain pressure.
	Brakes are not adjusted properly	Refer to brake component manual
Runs intermittently	Loose connection(s)	Check for loose connections/wires
	Motor or electrical system damage	
	Water in electronics	Dry affected area and inspect for damage
	Faulty power button	Contact your local authorized service center for diagnosis and repair
	Faulty throttle	
Cycle does not stop when applying the brake	Brake is not adjusted properly	Adjust brake
Cycle makes squeaky noises or grinding sounds	Chain is too dry	Apply a chain lubricant to the chain

For more troubleshooting tips, a list of available replacement parts, or to locate an authorized Service Center in your area, visit our website at www.STACYC.com

PRODUCT PARTS:

Visit www.STACYC.com for information on spare part availability. (Illustrations may not reflect exact appearance of actual product, specifications subject to change without notice.)

NOTICE: YOUR INSURANCE POLICY MAY NOT PROVIDE COVERAGE FOR ACCIDENTS INVOLVING THE USE OF THIS RIDE-ON PRODUCT. TO DETERMINE IF COVERAGE IS PROVIDED, YOU SHOULD CONTACT YOUR INSURANCE COMPANY OR AGENT.

LIMITED WARRANTY

The manufacturer warrants this product to be free from material and manufacturing defects from date of purchase as described below.

- Frame – Five years.
- Non-electrical systems components – One year.
- Electric system components, including battery and charger – 90 days.
- Normal wear and tear items – 30 days. (sprockets, chain, grips, bar plugs, saddle, footrest, brake cable/housing, brake lining, paint/decals, tires, inner tubes.

This Limited Warranty will be **void** if the product is not used in accordance with the owner's manual or:

- damaged in an accident, crash or loss of control incident;
- used in a manner other than for recreation;
- poorly or incorrectly maintained;
- used in a manner in which this product was not specifically designed;
- failure to follow owner's manual instructions or warnings;
- electronics or battery exposed to water;
- modified in any way;
- damage by unauthorized service or parts;
- used for commercial purposes

This Limited Warranty does not cover any damage, failure or loss caused by improper assembly maintenance, or storage.

The manufacturer is not liable for incidental or consequential loss or damage due directly or indirectly to the use or misuse of this product.

This Limited Warranty is valid only for the original purchaser and is non-transferable. Warranty claims must be accompanied with original proof of purchase. If proof of purchase is not provided, warranty period begins from original date of manufacture.

The manufacturer does not offer an extended warranty.

For your records, save your original sales receipt with this manual and write the serial number below.

Serial Number: _____

Date Purchased: _____

H-D U.S.A., LLC TRADEMARK INFORMATION

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For additional information, please visit:

www.STACYC.com

