



2018 OWNER'S MANUAL

This manual contains important safety, performance and service information. Read it before you take the first ride on your new QuietKat, and keep it for reference.

QUIETKAT INC

215 Broadway | Eagle, CO 81631 USA | 970-328-2399

www.QuietKat.com

INTRODUCTION

Thank you for purchasing a QuietKat. This is a serious piece of machinery designed for use by adults in fully controlled and safe environments. As the purchaser/owner of the machine, you are responsible with the task of keeping the rider(s) safe at all times. If you defer this task to someone else, it is your responsibility to pass this owner's manual and all relevant information to whoever will take on this role, and ensure without question that the rider has a full understanding of how to operate this machine.

Your QuietKat is driven by a powerful electric motor in which the torque is virtually instant. This means that opening the throttle will propel the machine to the set speed very quickly. In a 'panic' situation riders tend to open the throttle more. This could result in serious injury or death, as well as damage to the machine. Your QuietKat has great capabilities and can grow with the skills of the rider to high levels, but it is imperative that the responsible adult is in control during the entire learning process and gives full attention at all times.

QuietKat is designed for off-road use only and must not be used on public roads or sidewalks. Please check and obey all local laws. QuietKat may only be ridden in safe areas where all laws are being followed and all required permissions are given. Off Highway Vehicle (OHV) stickers may be required for some areas.

This Owner's Manual provides important information regarding safety and maintenance of your QuietKat. Please read through the entire manual prior to operating your machine. If at any time you have questions or need assistance with the maintenance of your QuietKat please contact us using the contact information below and throughout the Owner's Manual.

Thanks again for purchasing a QuietKat and we hope you will enjoy the ride!

Jake Roach.

President - QuietKat



Contact Information

Service & Support - service@quietkat.com

Accounting - accounting@quietkat.com

General Info - info@quietkat.com

Sales - sales@quietkat.com

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Per QuietKat you'll receive:

- QuietKat (assembled)
- Battery (one per unit)
- Battery Charger (one per battery)
- Keys (one set for battery box, one set for optional bag)
- Owner's Manual Packet

- Optional Items
- Rear Rack (Assembled)
- Front Handlebar Bag

Prepping Your New QuietKat For Riding:

1. Flip up Handle Bar in up-right position until it clicks in place *See Pic 1
2. Push Quick Release Stem into the up-right position with Handle flush against Stem Tube *Pic2
Note: Should be VERY snug
3. Twist plastic "Lock" clock-wise until Handle is in locking position *Pic 3
- 4.. Release Quick Release located mid-way up the Folding Stem, adjust Handlebars to desired height and re-lock Quick Release *Pic 4
Note: Should be VERY snug

*Use groove in stem as a guide to align and straighten the handlebars *Pic 5



Pic 1



Pic 2



Pic 3

FROM OUT OF THE BOX TO ON THE ROAD



Pic 4



Pic 5

5. Unlock and open the Battery Box located in the center console *See Pic 6

Note: *Keys are located on the Center Tube Frame zip tied directly in front of Battery Box*

6. Connect the 2 (two) RED Anderson Connectors *See Pic 7

7. Close and lock the Battery Box

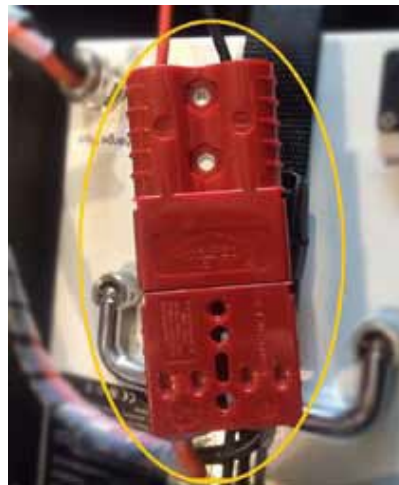
8. Turn Handle Bar Ignition to the ON (I) position until Cycle Analyst lights up *See Pic 8

9. To go forward have the Reverse Switch to the OFF (O) position. To go in reverse have the Reverse Switch to the ON (I) position.

*If still no power, locate the Main Power Switch on the Motor Controller attached to the underside of the battery box lid. Make sure the power switch is turned to the ON (I) position



Pic 6



Pic 7



Pic 8

10. Twist the throttle and you're ready to ride *See Pic 9

Note: Should you need further information on riding your QuietKat refer to the "Riding The QuietKat" video on YouTube. <https://www.youtube.com/watch?v=Pelq8ALyZZ0>



Pic 9

PRE-RIDE CHECKLIST

Check your wheels - Especially the front wheel with the hub motor. Spokes should be tight and the wheel should not have play.

Check the frame - The dropouts and connection to the fork should be tight and secure. Look for paint cracks, blisters, or bulges indicating damage.

Pump up your tires - under-inflated tires can cause serious damage if you bottom-out the rim on a pothole or curb. But don't over inflate - too much pressure makes the tires rock-hard. Recommended PSI of front tires is 25 psi. Recommended PSI of rear tires is 22.5 psi.

Check cables, brakes, & wires - Working brakes are crucial, and the brake cables are an important part of this. Lift the wheel off the ground and run the throttle, test the brakes and make sure the wheel stops after applying brakes.

Double-check battery - Make sure it's fully charged, securely fastened and the connections are tight

Check components - Seat post, rack, seat, stem handlebars. Make sure nothing is bent or loose.

Ensure bolts making sure they're tight and secure. Be aware of any smells or noises and keep a record of them.

WARNINGS & SAFETY INSTRUCTIONS

To ensure optimum performance from your QuietKat and to ensure safe operation, it is important to fully understand the features of the machine. This manual contains important information that every owner must fully understand prior to operation.

This Owner's Manual uses the following symbols and terms to call your attention to Warnings and Notices:

WARNING:

Meaning: This term calls attention to a Warning. A Warning indicates a potentially hazardous situation which, if not avoided, could result in bodily injury or death, in addition to property damage. Read the text accompanying the Warning to be aware of the specific hazard.

NOTICE:

Meaning: This term calls attention to a Notice. The text accompanying a Notice provides helpful or other important related information.

Please read, understand, and follow all Warnings and Notices on your QuietKat and those included in this manual. If you do not understand any of this important information please contact the QuietKat Customer Care at 970-328-2399.

WARNING: ADULT SUPERVISION REQUIRED

QuietKat is intended to be used by an operator 16 years or older. Adult supervision is required for any operator who is under the age of 18. Never allow a child to alter the settings or to ride without adult supervision. Instructing and practicing in a controlled situation will allow the child to learn how to operate the machine safely and under control. The child's enjoyment will be greatly enhanced if they feel safe during the initial learning process. Please follow the instructions contained in this manual before operating the machine.

WARNING: OFF-ROAD USE ONLY

It is illegal and hazardous to use a QuietKat on streets and thoroughfares. Use on streets exposes the rider to hazards from motorists and other vehicles and may lead to accidents resulting in serious injury, death, and/ or property damage. Check local laws and regulations to find out where and how you may use this product legally.

WARNING: FOLLOW SAFE RIDING PRACTICES

- OPERATOR ONLY! NO PASSENGERS!
- Long hair, loose clothing, or loose items worn by the rider must be covered to prevent entanglement in moving parts of the machine or surroundings while riding.
- Do not exceed the weight limit. Heavier riders may significantly reduce performance and/or render the vehicle unstable and/or over-tax the brakes and other control devices. Exceeding the weight limit may cause structural damage **not covered by the warranty**.
- Do not touch any moving or hot parts.
- Do not ride at night or under other low visibility conditions.
- Do not immerse this vehicle in water.
- Do not ride on steep or uneven surfaces.
- Do not ride faster than conditions permit for safe operation.
- The rider should be securely seated on the unit ready to ride before turning on the vehicle.

NOTICE: SERVICE/WARRANTY

For all questions regarding your QuietKat service/warranty, please contact QuietKat directly or contact your local retailer/distributor.

See retailer/distributor contact information on the **QUIETKAT.COM** web site.

WARNING: WEAR PROTECTIVE EQUIPMENT

Off-road riding presents many hazards such as loose dirt, obstacles, and other difficult-to-see-and-avoid conditions. Wear approved helmet, gloves, wrist, knee, elbow and eye protection. Failure to use appropriate safety equipment greatly increases the risk of serious injury.

WARNING: PROPER MAINTENANCE OF THIS VEHICLE IS REQUIRED

Failure to maintain this vehicle in proper operating condition can lead to an accident resulting in injury, death, and/or property damage. If you have any questions about the proper care and maintenance of this vehicle, consult your selling dealer/distributor or contact QuietKat Customer Care at **info@quietkat.com** or **970-328-2399**. Before each ride make sure that all bolts and nuts are fastened securely, the tires are properly inflated, and the throttle and brake controls are operating freely.

WARNING: BATTERY SYSTEM

The QuietKat is designed to operate with the included 48-72 volts batteries only. Use of any battery voltage higher than 72 volts will result in motor failure. QuietKat considers such modifications and/or changes to its products to be a material alteration of any such products, thereby voiding any warranties and/or guarantees in their entirety and will not be responsible for any and/or all injuries, death and/or other damage(s) caused by any such modifications.

WARNING: UNPACKING AND ASSEMBLY

Failure to properly assemble and adjust your QuietKat prior to use may result in an accident resulting in serious injury, death and/or property damage. If you are uncertain about any aspect of the assembly and adjustment of your QuietKat, seek help from a qualified mechanic or the QuietKat Customer Service Department.

WARNING: DISASSEMBLING AND ADJUSTING

There are no user serviceable elements incorporated into the motor, motor controller, battery, battery charger, throttle, or wiring harness of your QuietKat. **DO NOT ATTEMPT TO DISASSEMBLE OR ADJUST ANY OF THESE COMPONENTS.** Doing so may cause extensive damage to these components, will void your warranty, and may cause a hazardous condition including electrical shock. If you cannot resolve a problem using this owners manual, contact your QuietKat Customer Service Department for assistance.

NOTICE: VARIABLE FACTORS

Many factors affect speed and range capabilities. Terrain, average speed, rider weight, tire pressures, wind, hills, number of batteries, and other variables all have an impact on the performance and control of the unit

WARNING: OBEY ALL WARNINGS

Failure to obey all of the warnings & instructions contained in this manual may result in serious injury or death and permanent damage to your QuietKat.

WARNING: RIDING IN REVERSE

Riding in reverse requires adequate knowledge and experience with your QuietKat. Be careful and go slow, especially in reverse.

NOTICE : SAFETY RESPONSIBILITIES

Please read, understand, and practice the following guidelines for safe operation of your QuietKat.

- **Supervision:** Riders must be supervised by responsible adults at all times. The rider should never be beyond eye and voice range. An adult must always assess and approve the riding conditions and the QuietKat preparedness before the unit is ridden. Always ensure the rider is cautious, maintaining complete control, and riding at a reasonable speed. Ensure the terrain is suited to the skills of the rider and capabilities of the unit.
- **Helmets & Safety Attire:** There is no single factor that works better at reducing the severity of injuries sustained in accidents more than a quality helmet. Please don't ever allow your QuietKat to be ridden without one. Riders should also wear suitable riding gear (gloves, eye protection and boots). Shoe laces, loose clothing, or even long hair could potentially get caught in wheels.
- **One Rider Only:** Your QuietKat was engineered to carry one rider and no (0) passengers. Carrying a passenger would overload the machine and alter the handling.
- **Do not overload the Vehicle:** QuietKat trikes are designed for riders under 300lbs. Exceeding the weight limitations will adversely affect the handling of the machine, and potentially cause damage not covered by the warranty.
- **It's the law; obey it:** Obey all laws. QuietKat trikes are for OFF-ROAD USE ONLY. QuietKat trikes cannot be used on public roads or sidewalks. The purchaser, owner and/or riders of this machine are directly responsible to know and obey all local, state, and federal laws regarding the riding and use of this machine.
- **Weather & Riding Conditions:** Please be aware, that in wet conditions, distance to stop may double or triple over the distance that it takes under dry conditions. Ride more slowly and anticipate your stops by applying the brakes earlier.
- **Night time:** Do not ride your QuietKat after dark or in low light conditions.
- **Maintenance:** Proper maintenance will extend the life of your unit. There are maintenance instructions here in this manual. Check the brakes and the tires and the tightness of all those important fasteners before each and every ride. Have your unit checked by a qualified bike shop mechanic at least once a year. It's a small investment in the well-being of the rider.
- **Batteries:** We have equipped your QuietKat with sealed Lithium-Ion battery. As always, if you have any questions, please don't hesitate to contact us at **970-328-2399**.
- **Read This Manual Cover To Cover:** There is a lot of important information that you need to know. Do not guess how to adjust the machine, charge it or ride it. We have recommendations that will instruct how to set-up, maintain, and ride your QuietKat. Please read them thoroughly.
- **Call us with questions or problems:** We can be reached at the numbers listed on the back cover of this manual. You can also get assistance from the QuietKat dealers.

Unit Specs - 48V Hunter



This KAT is powered by a **48V 20AH** Lithium battery pack and charger. The machine is capable of carrying an additional battery to cover more than **50 miles** of range per charge, and produces more than **five (5)** horsepower, which equates to over **5000+ watts**. This model of QuietKat is recommended for up to a **225 pound** rider/weight load, and is engineered for off road travel. The **HUNTER** weighs about 120 pounds, is 32" wide and 63" long. Its high grade aluminum frame and quality craftsmanship contribute to its ability to withstand many years of outdoor use. The **HUNTER** comes with a **QK-TC65** motor *NEW, **18 FET** digital controller *NEW, advanced throttle *NEW, hydraulic disc brakes, digital display and meter.

- 48V 20AH Lithium Battery Pack
- QK TC65 Motor
- 18 FET Controller
- Range 20 to 25 Miles with 1 battery
- Capable up to 50 miles with use of 2nd battery
- Top Speed is 23 mph
- Top Power is 5,000 watts (5 horsepower)
- 20" x 4" Knobby Front Tire
- 13" x 4" Knobby Rear Tires
- Rubber Floor Mats
- Reverse

QuietKat assembled dimensions: 63"L x 32"W

Minimum collapsed height: 32"

QuietKat assembled weight w/ battery (Hunter Model): 120 lbs.

Recommended load carry for the Hunter Model: Up to 225lbs, rider and gear.

Unit Specs - 48V Hunter AP



This KAT is powered by a **48V 20AH** Lithium battery pack and charger. The AP (all purpose) models include the front handlebar bag, rear utility rack and rear mud guards. The machine is capable of carrying an additional battery to cover more than 50 miles of range per charge, and produces more than **five (5)** horsepower, which equates to over **5,000+** watts. This model of QuietKat is recommended for up to a **225** pound rider/weight load, and is engineered for off road travel. The **HUNTER AP** weighs about **130** pounds, is 32” wide and 65” long. It’s high grade aluminum frame and quality craftsmanship contribute to its ability to withstand many years of outdoor use. The **HUNTER AP** comes with a **QK-TC65** motor *NEW, **18 FET** digital controller *NEW, advanced throttle *NEW, hydraulic disc brakes, front mud fairing, front handlebar bag, weight supported rear rack, rear mud guards, digital display and meter.

- 48V 20AH Lithium Battery Pack
- QK TC65 Motor
- 18 FET Controller
- Range 20 to 25 Miles with 1 battery
- Capable up to 50 miles with use of 2nd battery
- Top Speed is 23 mph
- Top Power is 5,000 watts (5 horsepower)
- 20” x 4” Knobby Front Tire
- 13” x 4” Knobby Rear Tires
- Weight Supporting Rear Utility Rack
- Rear Mud Guards
- Front Handle Bar Bag
- Rubber Floor Mats
- Reverse

QuietKat assembled dimensions: 65”L x 32”W

Minimum collapsed height: 32”

QuietKat assembled weight w/ battery (Hunter AP Model): 130 lbs.

Recommended load carry for the Hunter Model: Up to 225lbs, rider and gear.

Unit Specs - 60V Prowler



This KAT is powered by a **60V 20AH** Lithium battery pack and charger. The machine is capable of carrying an additional battery to cover more than **40 - 50 miles** of range per charge, and produces more than **six (6)** horsepower, which equates to over **6000+ watts**. This model of QuietKat is recommended for up to a **275 pound** rider/weight load, and is engineered for off road travel. The **PROWLER** weighs about **125 pounds**, is **32"** wide and **63"** long. Its high grade aluminum frame and quality craftsmanship contribute to its ability to withstand many years of outdoor use. The **PROWLER** comes with a **QK-TC65** motor ***NEW**, **18 FET** digital controller ***NEW**, advanced throttle ***NEW**, hydraulic disc brakes, digital display and meter.

- 60V 20AH Lithium Battery Pack
- QK TC65 Motor
- 18 FET Controller
- Range 20 to 25 Miles with 1 battery
- Capable up to 50 miles with use of 2nd battery
- Top Speed is 27 mph
- Top Power is 6,000 watts (6 horsepower)
- 20" x 4" Knobby Front Tire
- 13" x 4" Knobby Rear Tires
- Rubber Floor Mats
- Reverse

QuietKat assembled dimensions: 63"L x 32"W

Minimum collapsed height: 32"

QuietKat assembled weight w/ battery (Prowler Model): 125lbs.

Recommended load carry for the Prowler Model: Up to 275lbs, rider and gear.

Unit Specs - 60V Prowler AP



This KAT is powered by a **60V 20AH** Lithium battery pack and charger. The AP (all purpose) models include the front handlebar bag, rear utility rack and rear mud guards. The machine is capable of carrying an additional battery to cover more than 40-50 miles of range per charge, and produces more than **six (6)** horsepower, which equates to over **6,000+** watts. This model of QuietKat is recommended for up to a **275** pound rider/weight load, and is engineered for off road travel. The **PROWLER AP** weighs about **135** pounds, is 32" wide and 65" long. It's high grade aluminum frame and quality craftsmanship contribute to its ability to withstand many years of outdoor use. The **PROWLER AP** comes with a **QK-TC65** motor *NEW, **18 FET** digital controller *NEW, advanced throttle *NEW, hydraulic disc brakes, front mud fairing, front handlebar bag, weight supported rear rack, rear mud guards, digital display and meter.

- 60V 20AH Lithium Battery Pack
- QK TC65 Motor
- 18 FET Controller
- Range 20 to 25 Miles with 1 battery
- Capable up to 50 miles with use of 2nd battery
- Top Speed is 27 mph
- Top Power is 6,000 watts (6 horsepower)
- 20" x 4" Knobby Front Tire
- 13" x 4" Knobby Rear Tires
- Weight Supporting Rear Utility Rack
- Rear Mud Guards
- Front Handle Bar Bag
- Rubber Floor Mats
- Reverse

QuietKat assembled dimensions: 65"L x 32"W

Minimum collapsed height: 32"

QuietKat assembled weight w/ battery (Prowler AP Model): 135lbs.

Recommended load carry for the Prowler Model: Up to 275lbs, rider and gear.

Unit Specs - 72V Rancher



This KAT is powered by a **72V 30AH** Lithium battery pack and charger. The machine is capable of 30 -50 miles of range per charge and produces more than **seven (7)** horsepower, which equates to over **7000+ watts**. This model of QuietKat is recommended for up to a **325** pound rider/weight load, and is engineered for off road travel. The **RANCHER** weighs about **135** pounds, is 32" wide and 63" long. Its high grade aluminum frame and quality craftsmanship contribute to its ability to withstand many years of outdoor use. The **RANCHER** comes with a **QK-TC65** motor, **18 FET** digital controller, advanced throttle ***NEW**, hydraulic disc brakes, digital display and meter.

- 72V 30AH Lithium Battery Pack
- QK TC65 Motor
- 18 FET Controller
- Range 30 -50 Miles with 1 battery
- Top Speed is 32 mph
- Top Power is 7,000 watts (7 horsepower)
- 20" x 4" Knobby Front Tire
- 13" x 4" Knobby Rear Tires
- Rubber Floor Mats
- Reverse

QuietKat assembled dimensions: 63"L x 32"W

Minimum collapsed height: 32"

QuietKat assembled weight w/ battery (Rancher Model): 145lbs.

Recommended load carry for the Rancher Model: Up to 325lbs, rider and gear.



This KAT is powered by a **72V 30AH** Lithium battery pack and charger. The AP (all purpose) models include the front handlebar bag, rear utility rack and rear mud guards. The machine is capable of 30 -50 miles of range per charge and produces more than **seven (7)** horsepower, which equates to over **7,000+** watts. This model of QuietKat is recommended for up to a **325** pound rider/weight load, and is engineered for off road travel. The **RANCHER AP** weighs about **135** pounds, is 32” wide and 65” long. It’s high grade aluminum frame and quality craftsmanship contribute to its ability to withstand many years of outdoor use. The **PROWLER AP** comes with a **QK-TC65** motor, **18 FET** digital controller, advanced throttle ***NEW**, hydraulic disc brakes, front mud fairing, front handlebar bag, weight supported rear rack, rear mud guards, digital display and meter.

- 72V 30AH Lithium Battery Pack
- QK TC65 Motor
- 18 FET Controller
- Range 30 - 50 Miles with 1 battery
- Top Speed is 32 mph
- Top Power is 7,000 watts (7 horsepower)
- 20” x 4” Knobby Front Tire
- 13” x 4” Knobby Rear Tires
- Weight Supporting Rear Utility Rack
- Rear Mud Guards
- Front Handle Bar Bag
- Rubber Floor Mats
- Reverse

QuietKat assembled dimensions: 65”L x 32”W

Minimum collapsed height: 32”

QuietKat assembled weight w/ battery (Rancher AP Model): 145 lbs.

Recommended load carry for the Rancher Model: Up to 325lbs, rider and gear.

MONTHLY MAINTENANCE SCHEDULE

- Wash your unit thoroughly
- Check tread wear on all tires. Use tire slime for preventative maintenance of your tires.
- Observe any smells or noises that come from your QuietKat and record them.
- Observe any rubbing of brake lines, wires, & cables. Organize and re zip-tie wires & cables as needed.
- Tighten all bolts and screws on your QuietKat:
 - Axle Bolts
 - Brake Caliper Bolts (front & rear)
 - Fork Bolts
 - Handlebar Bolts
 - Headset Bolts
 - Rotor Bolts
- Inflate tires to recommended PSI
 - Front Tire = 25 PSI
 - Rear Tire = 22.5 PSI
- Center and align brake pads to rotors **See Page 23**
- Check electrical connections making sure they are all secure. Use electrical tape to secure any loose connections or worn insulation.
- Straighten & tighten handlebars.
- Discharge & re-charge battery **See Storage section of the Lithium-Ion Battery manual**
- Spray brake cleaner on brake pads and brake rotors ensuring they are clean free of any debris.

REAR SUSPENSION LOCK-OUT

**Your unit is assembled and shipped with the Suspension in the Fully Locked Position*

There are 3 (three) Lock-Out positions. Use a 9/16" socket to remove or install Rear Suspension Bolts on the Swingarm to engage or disengage the following Lock-Out positions

1. Fully Locked: All 3 (three) bolts are installed and fastened on the Swingarm **See Pic 1*
Note: Fully Locked position is most stable at slower speeds
2. Medium Flex: 2 (two) outer bolts are removed, leaving 1 (one) middle bolt is installed and fastened on the Swingarm. **See Pic 2*
Note: Medium Flex position enables suspension to better contour in turns giving more control
3. Full Lean: 0 (zero) bolts are installed and fastened on the Swingarm **See Pic 3*
Note: Full Lean position is the most active setting allowing full articulation of the suspension giving the rider additional control on rougher riding surfaces.



Pic 1



Pic 2



Pic 3

The below directions are intended for basic use only. For further directions on the V3 Cycle Analyst refer to the link provided in the appendixes or call our customer service department at 970-328-6629



Main Navigation:

1. While in the main screen, hold the left button until you see “Enter Setup”, then release the button and it will say “Setup Spdometer” indicating the Speedometer Setup.
2. Tap the left or right buttons to move through the menus
3. When you get to the menu you want, hold the right button until it say “OK”, and then release, now you are in that menu.
4. Tap the right button to move through the entries until you get to the one you want to change.
5. Hold the right button until the number is blinking. You will be able to change it one digit at a time using the left button to lower the number and the right to raise it.
6. Hold the right button after you get the correct number, and it will move right to the next digit and repeat the process with each digit until it stops blinking.
7. Tap the right button to continue through the entries until you get back to the original menu screen where you can navigate to the next menu.
8. When finished, tap the right button until it says leaving setup. From here you can drive again.
9. If you turn off the Cycle Analyst during this process, turn it back on and you will return to the original screen with all the changes saved.

To change the modes from Economy, Off Road, and Unlimited:

1. Press and hold the left button and then tap the right to move through them.



Low



Medium



High

2. Release the buttons when you are finished.

REMOVING AND REPLACING THE FRONTWHEEL

To Remove & Replace The Front Motor Assembly Follow these Steps:

1. Prop the unit up by the frame so the front wheel is off the ground at least 4 inches
2. Detach front brake assembly via silver screws
3. Detach the zip-ties from the motor wire all the way to inside the battery box
4. Disconnect the motor wires
5. Loosen the axle nuts all the way to the end of the axle
6. Slide the washers out to the end
7. The wheel will “drop out” of the fork at this point
8. Slide the new wheel into the dropouts
 - There are two washers on the axle that go between the fork and the hub on the brake side
 - On both sides there should be two washers and a nut outside of the forks
 - Tighten axle nuts making sure the wheel stays aligned
9. Follow step 2- 7 in reverse to reinstall the wheel
 - After connecting the wires, give it a quick test to make sure everything is functioning before taping and zip-tying

****Note:** The black screws on the brake assembly allows you to adjust laterally where the calipers align



A video demonstration of removing and replacing the front wheel can be found on our QuietKat Assembly YouTube page. <https://www.youtube.com/watch?v=s8dPnG3rtdM>

REAR RACK ASSEMBLY

1. Locate the needed hardware already installed into the rear end of the frame **See Pic 1*
 - 3 (three) 1/2" Bolts
 - 2 (two) 4mm Allen Bolts
 - 6 (six) Black Spacer Washers
2. Remove Seat and slide Rack in position in front of Seat Tube **See Pic 2*
3. Fasten 3 (three) 1/2" Bolts using Black Washers in between the Frame & Rack and in between Bolt & top of Rack **See Pic 3*
Note: If spacers are not used the Rear Rack Assembly will be off balanced
3. Fasten the 2 (two) 4mm Allen Bolts directly to the Frame Deck **See Pic 4*



Pic 1



Pic 2



Pic 3



Pic 4

CENTERING & ALIGNING BRAKE PADS

1. Loosen 2 (two) black bolts on top of brake caliper *See Pic 1
2. Rotate wheel a couple of times
3. Squeeze rear brake lever to center and re-align brake pads on caliper *See Pic 2
3. Re-tighten 2 (two) black bolts on top of brake caliper *See Pic 3
4. Use brake cleaner to ensure that your brake pads and calipers are clean and free of any debris



Pic 1



Pic 2



Pic 3

The following Manuals are included with your QuietKat to further explain the installation, assembly, and troubleshooting of various components of your QuietKat. Be advised that these components require an advanced knowledge of the assembly of your unit and may require professional assistance. Extensive damage to these components is NOT covered under your warranty. Please call QuietKat Customer Service or contact a QuietKat dealer for any questions with these components.

CYCLE ANALYST SETUP AND TROUBLESHOOTING

See The Cycle Analyst V3 User Manual

Download at <http://www.ebikes.ca/product-info/cycle-analyst-3.html>

HYDRAULIC DISC BRAKE SYSTEMS

See Helix 2.5 Hydraulic Disc Brake Installation Instruction

See Helix 5/7 Hydraulic Disc Brake Installation Instruction

See Helix 7.5 Hydraulic Disc brake Installation Instruction

Download at <http://www.bengalperformance.com.tw/download.htm>

HEADSET ASSEMBLY

See Angle-set Installation Guide

Download at http://www.canecreek.com/resources/products/headsets/PDFs/AngleSet_-_EC44-EC49.pdf

SUSPENSION MAINTENANCE

See DV-22 / DV-6 / DV-6S Owners Manual

Download at http://www.dnmshock.com/upload_files/DV22_DV6_DV6S.pdf

LITHIUM-ION BATTERY MAINTENANCE

See Lithium-Ion Battery Maintenance Manual

Q: How long does it take to charge the battery if it's completely dead?

A: 48V & 60V battery approx. 5-6 hours. 72V battery approx. 8 hours

Q: Does the battery charger plug into a standard 110V outlet?

A: Yes.

Q: If I purchase a QK, is a battery charger included in the purchase price?

A: Yes.

Q: How many batteries does stock a QK come with?

A: One battery per QK. Additional batteries can be purchased separately. 48V and 60V models can fit two batteries per unit to extend mileage. The battery compartment only fits one 72V battery if you have a 72V model.

Q: How many miles can I travel on one battery?

A: You can expect a range of 20-25 miles if the battery is completely full (48V & 60V). You can expect a range of 30-35 miles if the battery is completely full (72V). Mileage depends on a number of factors including rider weight, added gear, and terrain.

Q: What type of battery is in the QuietKat?

A: Lithium Ion.

Q: How many years will my battery last?

A: QuietKat lithium batteries are certified as a 1,000 cycle battery. This means you can expect the battery to last for 20,000 – 25,000 miles based on 20-25 miles per charge. Example: If you ride 2,000 miles each year, you could expect the battery to last 10-12 years.

Q: Do I have to run my battery to completely empty before I charge it again?

A: No, but fully discharging the battery prior to charging does help with longevity and performance. Please read and fully understand the battery charging manual.

Q: Do the batteries require any ongoing maintenance?

A: No. Unlike many lead acid batteries, our batteries are sealed, requiring zero maintenance.

Q: If I don't use my QK for 5 months, do the batteries need to be stored a certain way?

A: Prior to storing the batteries for an extended period of time, the batteries should be fully charged and then discharged to 40% - 60% capacity. Refer to lithium battery manual for further information.

Q: How do I properly charge my battery on a regular basis?

A: Open battery compartment and remove lid. Unplug the Red battery connectors. Plug the charger into the battery. Plug charger into the wall.

Q: What is the warranty on a QuietKat?

A: QuietKat offers a 1 year warranty on all components. The frame has a lifetime warranty. Please read full warranty information located in owners manual.

Q: If I am a dealer or customer and I have a warranty claim, what is the procedure for getting my QuietKat fixed?

A: Please call our customer service department: **970-328-6629**. They will properly handle your claim.

Q: For warranty claims, do I ship my QuietKat back to your facility or do you ship parts to me?

A: We arrange for you to take your QuietKat into a local repair shop. We ship parts to the repair shop and the quickly get your Kat back in working order. QuietKat covers all associated costs of parts, labor and shipping.

Q: If I am a dealer, can I service a unit for my customer if they have a warranty claim or does the customer have to go to a local shop?

A: If you have the capabilities and necessary staff, Yes you can service the unit. Please refer to dealer agreement for further information regarding service and repair.

Q: How do I become an Authorized Service Technician?

A: Our parts and service department will contact you in order to determine if you have the capabilities and tools.

Q: Does QuietKat offer an extended service warranty available for purchase?

A: No.

General**Q: Can I climb hills with the QuietKat?**

A: QuietKat can climb hills as steep as 20 degrees. Because it is front wheel drive, it is best to stand up and lean forward to get as much traction on the front drive tire when traversing hilly terrain.

Q: Will my QuietKat rust over time?

A: No, the QuietKat design utilizes stainless hardware and aluminum tubular framing.

Q: I see the Prowler model is rated for up to a 275lb weight capacity. I weigh 285lbs, will this work for me?

A: Will it work, Yes. Is it ideal for horsepower? No. You would be better off with the Rancher 72V AP model so you would have extra weight capacity for gear and to travel hilly terrain with ease.

Q: How does the Kat perform in Mud, Snow and Sand?

A: Because the QuietKat is a light weight vehicle, snowy, muddy and sandy conditions should be kept to a minimum. The great thing about the QuietKat is that if you do get stuck, it is very easy to push it out on your own. Good luck getting out a buried ATV, Golf Cart or Side x Side.

Q: Can the QuietKat go through Water?

A: Yes, but do not submerge the motor or any electronic components, including the battery compartment.

Q: Is the suspension adjustable for varying terrain?

A: Yes. By removing 3 bolts in the rear swing arm, you can have up to 15 degrees of lean, right to left.

Q: Are the wheel bearings sealed?

A: Yes. They require zero greasing or regular maintenance.

Q: Will it fit into the back of my SUV?

A: It will fit into any standard size SUV. You will have to fold down the handle bars and lower the seat to its lowest position. The overall smallest dimensions by lowering the seat and folding the handle bars are: 65”L x 32”W x 32”H.

Q: Can I switch out my seat to a different style?

A: Yes. The design of the QuietKat utilizes similar components to a mountain bike. A seat adaptor is available for purchase.

Q: Can I buy extra batteries?

A: Yes, extra batteries are available for purchase.

Q: Can I ride it on bike trails and access roads?

A: Always check local laws and regulations in regards to motorized vehicle use on public trails and roads. The QuietKat is considered as the same classification as an electric bicycle. There is no VIN tag so it is notheld to the same rules and regulations as an ATV or side x side.

Q: Can I use it to pull a deer out of the woods?

A: If you are looking to use the QuietKat to pull a deer out of the woods, we recommend using a small trailer or game cart with wheels instead of dragging.

Q: Is the speed and power adjustable?

A: Yes, with a simple programming change on the cycle analyst screen located on the handle bars, the speed and power can be increased or decreased based on rider preference. Refer to QuietKat Assembly YouTube page for a short video tutorial on how to adjust settings.

Q: What is the ground clearance of my QuietKat?

A: 7 inches.

Q: I currently own a 48V Hunter model. Can I upgrade to a 60V or 72V battery?

A: Yes, depending on which model configuration you have. All 2016 models are interchangeable, but 2014 & 2015 models may not have the capability to change battery size. Please contact our customer service department before making this change.

Many of the questions customers may have about riding, maintaining, and servicing their QuietKat can be found on the QuietKat Assembly YouTube page. Below are some links about more specific questions. We encourage you to use these videos as a tool to boost your knowledge about the QuietKat.

V3 Cycle Analyst Speed & Volt Meters

https://www.youtube.com/watch?v=4rJ-9R8x_6E

V2.3 & V2.4 Cycle Analyst Speed & Volt Meters

<https://www.youtube.com/watch?v=ne2gYlGYkDg>

Engaging the QuietKat Swingarm

<https://www.youtube.com/watch?v=qBiI1Vn0hjA>

Pre-Trip Inspection

<https://www.youtube.com/watch?v=PtF3jf9bRPM>

QuietKat Portability

https://www.youtube.com/watch?v=3v_nmrKCI2s

Seat Adapters

<https://www.youtube.com/watch?v=XxjHvyXb7BI>

Battery & Controller

<https://www.youtube.com/watch?v=lumIN5kujjE>

Riding The QuietKat

<https://www.youtube.com/watch?v=Pelq8ALyZZ0>

Changing A Tire

<https://www.youtube.com/watch?v=cFgAoWVJchg>

Changing The Front Wheel/Motor

<https://www.youtube.com/watch?v=s8dPnG3rtdM>

Warranty Overview

Every QuietKat comes with an 12-month warranty against manufacturing defects in materials or workmanship on its frame, battery, controller and motor assembly.

This warranty applies only to the original registered owner of the QuietKat and is not transferable. This limited warranty does not apply to normal wear and tear, malfunctions, or failures due to abuse, neglect, improper repair, improper maintenance, alteration, modification, accidents, or other improper use.

Terms of the Warranty

For your reference, we've outlined the comprehensive terms of the warranty below:

- Frame, Battery, Controller and Motor Assembly – are warranted to be free from defects in material or workmanship for a period of twelve (12) months from delivery date. After any warranty period has elapsed, you may purchase spare & replacement parts by contacting us. In case of an electrical issue please send unit back to us.
- Replacement Batteries (if provided) – are warranted to be free from defects in material or workmanship for a period of twelve (12) months from purchase.
- Other Components – are warranted by the individual manufacturers.

Please note that while every effort is made to provide our customers with a superb shopping experience, issues sometimes can arise during shipping. If any parts happen to be damaged during shipping, QUIETKAT will send a replacement part at our expense and will work with you or the bike shop of your choice to fix the issue. If the issue cannot be fixed, QUIETKAT will exchange the unit.

If the unit was purchased directly from QUIETKAT, QUIETKAT can help to arrange an appointment at a bike shop or service center near the customer to investigate and resolve the issue. If a part or component is faulty, please contact us by email and provide a video or photo of the faulty part.

For any parts under warranty that will need to be replaced within the 12-month timeframe, QUIETKAT will cover the cost of freight to the customer.

Limited Remedy:

Unless otherwise provided, the sole remedy under the above warranty, or any implied warranty, is limited to the replacement of defective components and parts with those of equal or greater value at the sole discretion of QUIETKAT.

In no event shall QUIETKAT be responsible for direct, incidental or consequential damages, including, without limitation, damages for personal injury, property damage, or economic losses, whether based on contract, warranty, negligence, product liability, or any other theory. Some states do not allow the exclusion or limitation of damages, so the above limitation or exclusion may not apply to you.

Exclusions:

The above warranty, or any implied warranty, does not cover normal wear and tear. All warranties are void if the electric vehicle is used for other than normal activities, including, but not limited to, failing to follow the owner's manual or using the QuietKat for commercial activities or in competitive events, and training for such activities or events.

QUIETKAT makes no other warranties, express or implied. All implied warranties, including the warranties of merchantability and fitness for a particular purpose, are limited in duration to that of the express warranties stated above. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

REFUND POLICY

QuietKat stands behind its product and is under warranty against defective workmanship:

- The frame and rear suspension swing arm have a lifetime warranty.
- All other components have a 1 year warranty.

Changes made by owner to the electric vehicle may void the QuietKat warranty. The QuietKat warranty will be voided to the extent that such changes adversely affect the unconverted vehicle or its performance or cause the failure or degraded performance of a component supplied by QuietKat. For example, structural changes made to the QuietKat could affect the vehicle's structural integrity, which would void the QuietKat Warranty on the affected parts.

****Any modifications to the QuietKat unit voids warranty****

Warranty # _____

TO: _____

DATE: _____

PRINT NAME: _____

Signature: _____

Battery Maintenance

Overview:

This document describes the maintenance operations for the Li-ion Battery packs supplied by QuietKat, Inc. The products mentioned in the document accord with GB/T18333.1-2001 Standard.

Transportation:

- Transportation allowed, with proper paperwork, via truck, train, airplane, and vessel
- Keep dry, well ventilated, and out of direct sunlight
- Handle with care during assembly
- Do not throw
- Do not place under heavy objects
- Do not transport or store near flammable, explosive, or sharp objects
- Package should be labeled with Moisture Proof/Water Proof, Anti-Fire and Fragile Stickers

Storage:

- When the battery has not been used for more than 2 months, discharge and re-charge it to reactivate the electricity prior to use.
- To ensure a longer battery life cycle, it is recommended to cycle the battery pack (discharge and re-charge) every 2 to 3 months. This should be completed even when the battery is being stored long term.
- Do not store a fully charged battery pack, discharge or charge the battery to 40% to 60% State of Charge (SOC).
- Before using a battery pack that has been stored for a long period of time, cycle the battery several times. Doing this will help balance the cells, eliminate the SOC difference, and the lost capacity in the cells should be restored.
- When your QuietKat is not in use, disconnect the Anderson cable connection from the battery & Kat (unplug battery from unit).

Operation:

- If the battery fully discharges and turns off automatically, re-charge the battery pack within 12 hours. Failure to do so could shorten the battery life cycle.
- Do not try to utilize a battery pack that has turned off automatically until it has been recharged.
- The recommended range of charge is up to 90% SOC and discharge of no less than 20% when the battery is in use to prolong the battery life cycle.
- When your QuietKat is not in use, disconnect the Anderson cable connection from the battery & Kat (unplug battery from unit).
- The battery pack performance is best under the following conditions:
 - -15° to 50°C (5° to 122°F) for discharging
 - 0° to 45°C (32° to 113°F) for charging
 - Best working conditions 15° to 40°C (59° to 104°F)
- Use heat insulation materials in the winter to keep the battery protected from extreme cold. When the internal temperature of the battery is lower than -15°C (5°F) there is a risk of shortened battery life cycle.
- Keep out of direct sunlight. When the internal temperature of the battery pack is in excess of 75°C (167°F) there is risk of shortened battery life cycle and explosion.
- Do not wash the battery shell with organic solvent
- In case of fire, do NOT use CO2 to extinguish fire. Use CCI4 or sand/soil to extinguish fire.
- Handle the battery pack with care. Do not throw, drop, or expose to heavy vibration.
- Do not submerge the battery pack in water. The battery pack should remain dry at all times.

Warranty

We will repair or replace any battery pack during the warranty period for the below issues:

- The battery pack cannot be charged or discharged
- The battery capacity is less than 80% of rated capacity in the first year, under the standard conditions for testing
- There is liquid leakage
- The battery pack casing or wires have damage caused by the battery

The following will void all warranty on the battery pack:

- Manual instructions were not followed which resulted in battery damage
- The battery pack is dismantled or converted in any way by the user or representative of the user
- The battery is charged with the incorrect charger for the battery pack and damage is caused to the unit
- There is damage to the battery, the battery case, the battery pack wires, or the battery charger that was caused by the user or a representative of the user