REBEL FOLD

User Manual

About Manual

This manual contains details of the product, information on its operation and maintenance, and other helpful tips for owners. Read it carefully and familiarize yourself with the E-Bikes before using it to ensure safe use, reduce risk of damage and premature wear, and prevent accidents. Be sure to retain this manual as your convenient E-Bikes information source.

This manual contains many Warnings and Cautions concerning safe operation, and consequences if proper setup, operation and maintenance guidelines are not followed. All information in this manual should be carefully reviewed.

The safety grade color of Caution is orange, and if not avoided, may result in moderate or serious injury.

The safety grade color of Warning is red, and if not avoided will likely result in serious injury or death.

Users should also pay special attention to information marked in this manual beginning with "**NOTICE**"

Because it is impossible to anticipate every situation or condition which can occur while riding, this manual makes no representations about the safe use of our bicycles under all conditions. There are risks associated with the use of any bicycle which cannot be predicted or avoided, and which are the sole responsibility of the rider. You should keep this manual, along with any other documents that were included with your bicycle, for future reference, however all content in this manual is subject to change or withdrawal without notice.Assembly and first adjustment of your E-Bikes requires special tools and skills, and it is recommended that this be performed by a trained bicycle mechanic if possible.

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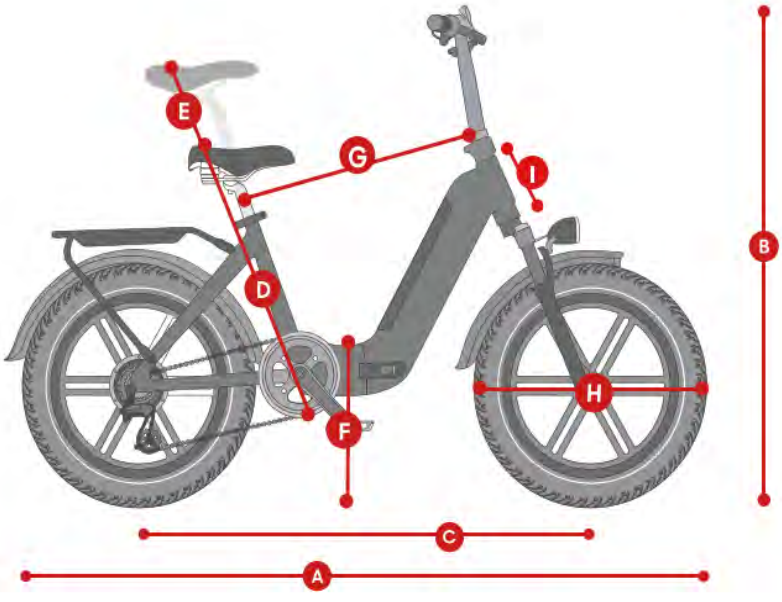
Bike Specification



A - Total Length	66.9 Inch
B - Handlebar Height	49.2 Inch
C - Wheelbase	43.7 Inch
D - Min Seat Height	25.9 Inch
E - Max Seat Height	33.4 Inch
F - Standover Height	16.14 Inch
G - Top Tube Length	23.8 Inch
H - Wheel Diameter	23.2 Inch
I - Head Tube Length	6.1 Inch

Battery	48V 14Ah Samsung/LG lithium battery	**Charger**	US standard 2.0 A smart charger
Range	30-50 miles	**Controller**	48V/22A
Hub Motor	750W brushless gear motor	**Display**	LCD display with USB charging
Total Payload Capacity	330 lbs	**Weight**	79 lbs
Recommended Rider Heights	5'2" ~ 6'4"	**Pedal Assist Intelligent**	0~5 level pedal assist
Tires	20" x 4" Kenda fat tires	**Throttle**	Thumb throttle
Brake lever	Aluminum alloy comfort grip levers with motor cutoff switch	**Front Fork**	Alloy front suspension fork with lockout and adjustment
Rear Light	Integrated Taillight	**Pedal**	Alloy pedals with reflectors
Freewheel	Shimano 7-speed gear shift system	**Bike Frame**	6061 Aluminum frame
Brake	180mm Hydraulic Brakes	**Front Light**	48V LED light
Chain	KMC chain	**Saddle**	DFH saddle
Stem	Fordable stem	**Seat Post**	Diameter 30.4mm length 300mm
Crank	170mm forged alloy	**Kickstand**	Heavy-duty aluminum
Gearing	Shimano- 14-28T BROWN/BK	**Spokes**	Cast tire

Bike Assembly Guide

◆ Preparation Checklist

Extra tools needed: (1)10mm Wrench (2)15mm Wrench

NOTICE: Before assembling your bike, it's recommended to remove the battery for the reasons outlined below:

1. Determine if there's battery drain or damage during shipping.
2. Reduce the weight of the ebike to make it easier to maneuver the bike while assembling.
3. Avoid battery damage during the assembly process.

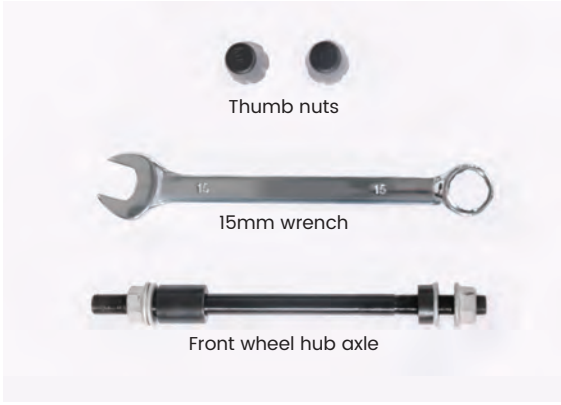
☛ Go to page 21 to learn about removing and charging the battery.

Recommended Torque Values

Hardware Location	Recommended Torque(NM)
Handlebar	12-18
Stem	12-18
Saddle	12-18
Front Wheel(For bikes with bolts on front wheel)	15-22
Rear wheel	30-38
Bottom Bracket Parts	30-50
Pedals	28-33
Disk Mounting Bolts	3-5
Disk Caliper Mount	6-8
Crank Bolts	32-36
Rear Derailleur Cable Pinch	3-5
Front Derailleur Clamp	3-6
Saddle Post Clamp	3-6

NOTICE: Using an impact driver to achieve the required torque is not recommended as it might cause damage. We suggest you use the wrench set we provided and extra tools to manually adjust nuts and bolts.

◆ **Front wheel（15mm Wrench）**



（Tools needed）

Step 1: Remove the plastic axle guards from the front wheel and the front fork protection bar by manually pulling it straight down, being careful to avoid contact with the brake rotor set.

Step 2: Insert the front wheel hub axle through the hub starting from the brake rotor side of the wheel. Pay attention to the position of the black spacer on each side.

Step 3: Roll the wheel in between the front fork, as shown in the image below.

Align the fork dropouts with the axle of the wheel hub. Ensure the black spacer is close to the wheel hub and the washer is in contact with the nut. Verify also that the dropouts are fully seated on the axle and the brake rotor is properly inserted into the caliper.

Step 4: Use a 15mm wrench to tighten the bolts on both sides of the axle, and install the two thumb nuts by pressing them tightly.

Step 5: Inflate the tires and make sure they have sufficient pressure for riding comfort and safety, not exceeding the limit specified on the sidewall.

Step 6: After the front wheel installation, rotate the front wheel to make sure the bolts are fully tightened on the axle and check the wheel balance in Pedal Only Mode. If you notice the riding is imbalanced or the rotation of the front wheel makes noise, it means the bolts were not completely tightened or not aligned horizontally.

◆ Headlight & Front Fender (5mm Hex Wrench & 10mm Wrench)

The headlight and front fender are both secured by a single bolt, so the front fender must be installed together with the headlight. If you prefer not to have a front fender, you may install the headlight by itself.

Step 1: Loosen the bolt on the fork brace. Align the bolt holes of both your headlight and the front fender together with the hole on the fork brace, then reinsert the bolt through all holes and tighten the bolt with a 10mm wrench and a hex wrench.

Step 2: Connect the light wire connectors together. Pay careful attention to the arrows on the wire connectors, making sure the arrows align with each other to avoid damaging the interior circuitry.

Step 3: Loosen the bolts on the two brackets on either side of the front fork, as shown in the image. Then pull one end of the fender brace until the loop at the end is centered in the bracket, reinsert the bolt through the loop at the end of the brace, and tighten completely. Repeat on the other side.

◆ Pedals Installation

Make sure your pedals are installed on the correct side, as installing on the wrong side will damage the threads. Indicators for the right pedal (R) and the left pedal (L) can be found in two places: the stickers on the plastic cover, and the bottom of the pedal threads.

Before you install the pedals, apply a small amount of waterproof grease onto the spindle. Start threading the pedal on by hand to ensure the pedal is going in perfectly straight, rotating in the direction of the pointer shown on the crank. If it is not spinning smoothly, make doubly sure that you have the correct left or right pedal. After initial hand-tightening, finish tightening the pedals with a standard 15mm wrench .

◆ Seat Adjustment

Adjust the Seat Height:

Open the seatpost quick release lever. Adjust the seatpost height by sliding the seatpost up or down to a height appropriate for your leg length and preferred riding position. Do not extend the seatpost beyond the minimum insertion marking etched onto the seatpost.

WARNING: Overextending the seatpost can cause it to break or come off your bike, putting you at very high risk of serious injury or death. Avoid this danger by inserting your seatpost into the seat tube far enough that the minimum insertion point is no longer visible.

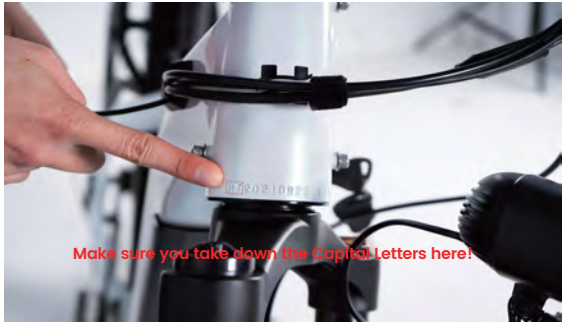
Adjust the Seat Angle:

Step 1: Loosen the seat adjustment bolt beneath the seat. Move the seat backward or forward and tilt to adjust the angle within the limit markings etched on the seat rail. Do not exceed the limit markings, to ensure the safety of yourself and the bike.

Step 2: Tighten the seat adjustment bolt. Ensure the top and bottom of the seat rail clamp are aligned, so that the seat adjustment bolt will clamp the seat rails together properly.

◆ After Bike Assembly

Please write down the serial numbers found on the head tube, battery and motor on the inside front cover of this manual to facilitate failure reporting. Make sure each letter and number is correct.



Bike frame number

Battery serial number

Safety Checklist

Safety Check	Basic Steps
Brakes	o Test front and rear brakes for proper function. o Ensure brake pads are not overworn and are correctly positioned in relation to rims. o Make sure brake control cables are lubricated, correctly adjusted and display no obvious wear. o Check that brake control levers are lubricated and tightly secured to handlebars.
Wheels and Tires	o Inflate tires to within recommended limits displayed on sidewalls. o Check for bulges or signs of excessive wear. o Clean tires to ensure tread is exposed o Ensure rims run true and have no obvious wobbles or kinks. o Check that all wheel spokes are tight and not broken.
Steering	o Ensure handlebar grips are properly installed, and handlebars and stem are correctly adjusted and tightened to allow proper steering. o Check that the handlebar is set correctly in relation to forks and direction of travel.
Chain	o Check that chain is oiled, clean and runs smoothly. o Use extra care in wet or dusty conditions.
Cranks and Pedals	o Securely tighten pedals to cranks. o Ensure cranks are securely tightened and are not bent.
Derailleurs	o Check that derailleur(s) are adjusted and functioning properly. o Ensure shift and brake levers are attached to handlebar securely. o Check all brake and shift cables for proper lubrication.
Motor Drive Assembly and Throttle	o Ensure hub motor is spinning smoothly and motor bearings are in good working order. o Check that all power cables running to hub motor are secured and undamaged. o Make sure hub motor axle bolts are secured and all torque arms and torque washers are in place.
Battery Pack	o Ensure battery is charged before use. o Check for any visible damage to battery pack. o Lock battery securely to frame.

Safety Precautions

The following safety notes provide additional information on the safe operation of your E-bike and should be closely reviewed. Improper operation, or failure to confirm correct installation, compatibility, and maintenance of any component or accessory may result in serious injury or death.

Before Riding

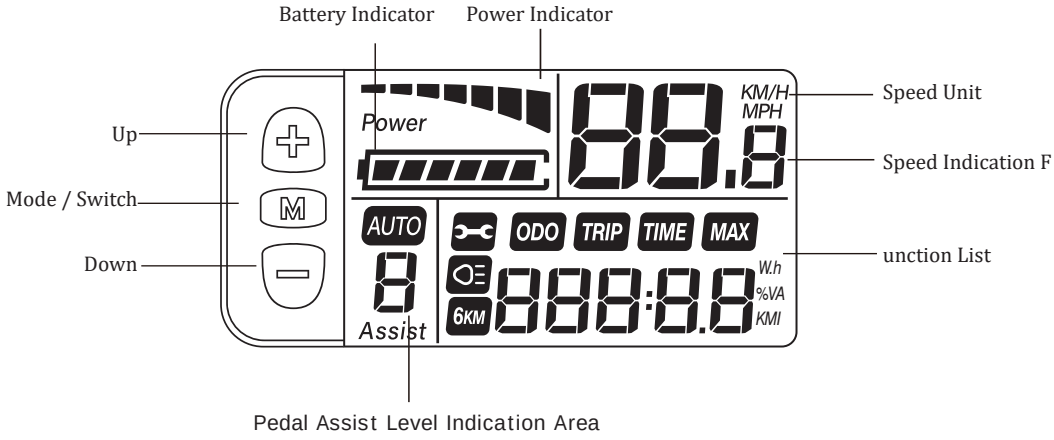
- All users must read and understand this manual before first use. Additional manuals for components used on your bicycle may be provided and should also be read before use.
- Ensure you understand all instructions and safety notes/warnings.
- Follow the safety checklist on page 17 before first use and at regular intervals to ensure correct tightening and setup on your bicycle.
- Ensure the bike fits you properly before first use. Check local rules and regulations before riding.
- It is your responsibility to familiarize yourself with the laws and requirements of operation of this product in the area(s) where you ride.

While Riding

- Always wear an approved bicycle helmet whenever using this product and ensure that all helmet manufacturer instructions are used for fit and care of your helmet. Failure to wear a helmet when riding may result in serious injury or death.
- Acceleration can be unexpectedly strong in pedal assist mode (Pedal Assist level 0-5), as when you pedal the motor assist will suddenly engage
. Therefore, please pay careful attention when riding. We suggest you use Pedal Only Mode (Pedal Assist level 0) when you need to ride at a slow speed to cross roads, at intersections, or when pedestrian traffic is present, in order to avoid accidents caused by sudden acceleration.
- Make sure you securely close the quick-release lever of the front wheel, checking the wheel balance in Pedal Only Mode. If you notice the riding feels imbalanced, or the rotation of the front wheel makes noise, it likely means the bolts were not completely tightened or didn't align horizontally in the center.
- Off-road riding requires close attention and specific skills, and presents variable conditions and hazards which accompany the conditions.
- Wear appropriate safety gear and do not ride alone in remote areas.

Display Screen

The image shows the various features and information displayed on the display.



❶ 6KM Work	❷ Backlight Display	❸ Error	❹ Odometer
❺ Trip Odometer	❻ Riding Time	❼ Max Speed	

Display Features

The display pad is equipped with 3 buttons including "M", "+"(UP) and" -" (DOWN). The M button is the mode/switch button.
Press and hold the "M" button on the handlebar controls to turn on the display. Now, your e-bike is ready to ride. To turn it off, press and hold the “M” button for 3 seconds.
Press the UP button for 3 seconds to turn on the light.

The display pad provides you with a variety of displays to meet the demand of your riding. The display contents are:

1. Operating Current to the Controller:
It shows operating current to the controller and each bar is 2A.

2. Unit of Measure:
You can toggle between miles or kilometers based on your location and preference.

3. Speed Indicator:
It shows the real-time speed of your e-bike.

4. Battery Level Indicator:
The battery level indicator on the display will show the current battery energy remaining. The light on the top of the battery will flash to remind you when the power is too low.

5. Pedal Assist Level:
1). AUTO: Press and hold the DOWN button for 1.5 seconds to light up the 6KM icon.
2). Assist: It shows the pedal assist level and the default range is 0-5 levels.

6. Riding Information (Press “M” button to display items as follows):
1). 6KM Work: Hold the DOWN for 2 seconds to get in 6km work.
2). Backlight display: Hold the UP for 2 seconds to turn on the display backlight and headlight.
3). Error: Displays the current error code.
4). Odometer: The total mileage will be displayed.
5). Trip Odometer: It displays the mileage information of a single riding.
6). Riding Time: It displays the time information of a single riding.
7). Max Speed: It shows the real-time speed that is the maximum speed.

Battery Charging

Charging Procedure for On-bike Charging

Step 1: Check the battery power indicator on your display (the power level indicator on the display is not the actual power but the voltage power).

Step 2: Assemble the charger as shown in Figure 1 by inserting the plug (Plug 1) into the transformer.

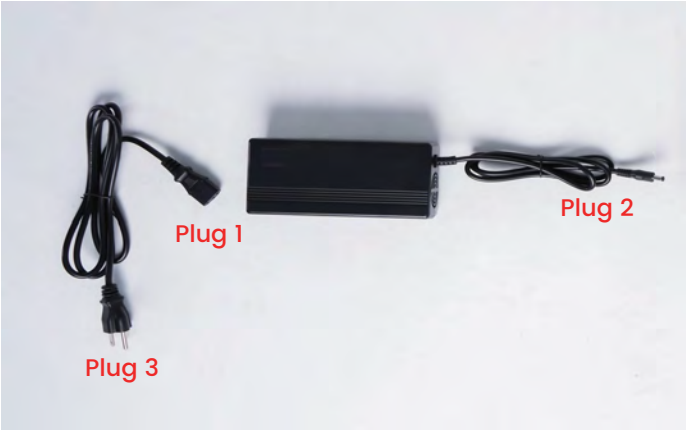


Figure 1

Step 3: Remove the rubber cover on the charging socket and insert the DC plug (Plug 2) of the charger into the battery charging socket.

Step 4: Connect the power plug (110/220 volt plug) to the power socket.

NOTICE: This order helps extend the battery life and effectively reduces battery damage caused by improper charging.

Charging Procedure for Off-bike Charging

Step 1: Find the keys located on the handlebar and cut tie to remove them. If you cut them from the handlebars, be careful not to damage any of the wires.

Step 2: Use the key to unlock the battery. While holding the battery with one hand, detach the battery by turning the release switch located on the underside of the frame.

NOTICE: Please keep your key and its spare in a safe place. Once lost, they are difficult to copy. The key number correlates to the number on the keyhole .

Step 3: Check the battery status (fig. 3):

Light Status	Charging Status
Red （on charger）	Charging
Green（on charger）	Fully charged
Yellow（on battery）	40%-60% power
Red（on battery）	40%< power

Figure 2

Figure 3

NOTICE: Please write down the serial number found on the battery beneath the barcode (fig. 2) on the inside front cover of this manual to facilitate failure reporting. Products that have the serial number and/or barcode removed, defaced, damaged, altered, or made illegible will not be covered by the warranty.

Step 4: Safest way to charge your battery-

First, assemble the charger as shown in Figure 1 inserting the plug (Plug 1) into the transformer.

Then insert the DC plug (Plug 2) into the battery charging socket.

Last, insert the power plug (Plug 3: 110/220 volt plug) to the power socket. This order helps extend the battery life and effectively reduces battery damage caused by improper charging.

The charger works on 110/220 V 56/60 Hz standard home AC power outlets. Do not open the charger to select voltage input as the charger can automatically detect and account for incoming voltage.

Project	Unit	Minimum	Max
Battery Input Voltage	V	28	55
Standby current	mA		0.1

After Charging

1. Please unplug the main power supply first by removing the plug from the power socket, then remove the DC port from the battery. You can then check the battery status on the display screen
2. Hold the battery with one hand and turn the release switch with the other hand to install the battery. Lock the battery when finished to prevent theft.

NOTICE: If your battery does not seem to be charging normally and is taking longer to charge than expected, please stop charging and contact Bike seller immediately. If you notice a strange smell, or the charger and/or battery is overheating, please stop charging and contact Bike seller immediately.

Charging Tips

- The battery can be recharged on or off the bike.
- A new battery may take longer to be fully charged when depleted.
- The charger will automatically stop charging once the battery pack is fully charged.
- You can recharge the battery after short rides as it does not have a memory effect.

Precautions

- While charging, please keep your battery away from direct sunlight, liquid, dirt or debris, and metal objects. Do not allow the battery to be charged in environments under 14° fahrenheit (-10° Celsius) and over 104° fahrenheit (40° Celsius).
- Do not cover the charger when charging.
- Keep the battery away from children while charging.
- Make sure to only use an approved E- Bike charger purchased directly from E-Bike business for your specific bike serial number.

Before Riding

Ensure that the battery has been properly secured to the bike before each use by grasping the battery pack and pulling upwards, testing the security of the pack.

Battery Maintenance (48V 14AH Samsung/LG Lithium-ion battery)

- Do not fully drain your battery. Turn off the power when the battery charge is low.
- Fully charge the battery after each use, no matter how much power is used. This will prolong the battery life. If battery power is not used for a long time, store the battery with a full charge and charge it once a month.
- The Bike can be safely ridden in light rain. However, riding through very heavy downpours or through flooded streets is not recommended, as the crank and/or motor can get wet, which may cause damage.
- Keep the battery away from open flame and other high-temperature heat sources. Do not expose the battery to direct sunlight or recharge immediately after use in high-temperature weather.

NOTICE: It is not recommended to make any modifications to the battery or the motor. If the battery is tampered with, and there are any problems with the altered battery or motor, it will not be covered under warranty.

Charger Care information

Please refer to the instruction manual in the charger box.

Riding Modes

◆ PEDAL-ASSIST

Pedal-Assist is an operating mode on e-bikes designed to engage the motor to assist, but not replace, your own pedaling effort. When you are operating your bike in the pedal assist mode, you can adjust the setting according to your preference. The ebikes has five pedal assist settings - ranging from 1 to 5.

- Higher pedal settings (L4/5) would be most helpful for those who want to ride faster with minimum effort. These settings are perfect for people who want to arrive fresh and timely at work, without being sweaty and exhausted.
- Lower pedal settings (L1/2) are popular for riders to use after work, or when leisurely exercise is preferred. These are best to use on the way home from work, to refresh yourself and relieve stress accumulated throughout the entire workday. Moreover, lower settings can extend usable range for longer rides, maximizing enjoyment while minimizing physical stress and fatigue.

◆ THROTTLE-ONLY

The throttle mode is similar to how a motorcycle or scooter operates, alleviating the need to pedal or providing an additional boost simply by twisting the throttle.

Agility plus can reach speeds of up to 23 miles per hour with throttle mode, which not only allows you to travel faster, but also reassures riders with extra power whenever needed, depending on traffic conditions and rider energy levels. If you are an adventurer who chases after speed and distance without compromising comfort or safety, the throttle-assisted would be your perfect companion.

◆ PEDAL-ONLY

In this mode, the E-bikes will perform like a normal bike, as you'll be riding without any assistance from the motor. This mode is especially useful if you run out of battery, or are looking for more intensive resistance training.

We suggest that you select a lower assistance level when you first ride your Bike. After becoming more comfortable with the riding characteristics of our e-bike, and more familiar with the varying range requirements of your most common destinations and commuting routes, you can then make any needed adjustments to pedal assist settings, as well as throttle use frequency, riding position, etc.

◆ Riding Limitations

Following are some limitations needing riders' careful attention to ensure the hub motor does not overheat or become damaged from excessive loading:

- Do not attempt to ride up hills steeper than 15% grade.
- Use the pedals to assist the motor when climbing hills and accelerating from a stop.
- Avoid sudden starts and stops.
- Generally accelerate at a moderate pace, rather than aggressively.

Parking & Transport

Follow these basic parking, storage, and transport tips to ensure your bike is well cared for, both on and off the road:

- When walking with the bike, turn off the power to avoid accidental acceleration, or use Walk Mode.
- Though our bikes are water resistant (IPX4 Water Resistance), please do not park your bike outdoors in cold or inclement weather for extended periods.
- When parking, switch the power and any lights off to conserve battery, remove the key from the bike, and ensure the battery is secured and locked to the frame.
- In public places, help keep your Bike safe and secure from theft by always locking it up.
- Make sure to not park, store or transport your Bike on a rack that is not designed for the size and weight of the bike. When storing or carrying your bike on a rack for transport, remove the battery to reduce the weight and make lifting or loading easier.

Carrying Loads & Cargo

Total Payload Capacity of Agility plus: 330 lbs Weight: 79 lbs

Cargo Safe Operation Tips:

The following list provides important tips for the safe operation of the Agility plus when used for carrying cargo:

1. Make sure to load the cargo as low as possible to lower the center of gravity and improve stability.
2. Ensure your loads are properly secured and periodically check that nothing has loosened.
3. Plan your route accordingly when cargo is loaded on the Agility plus, considering hill climbing ability, steering, and braking. Also account for moderately reduced range when carrying extra cargo weight (or an additional passenger).
4. Try to get a feel for the cargo load in a flat and open private area before riding on public roads.
5. Make sure to not use the front brake by itself, with or without cargo. Always apply the rear brake first followed by the front brake. Failure of the front fork or loss of control is possible when the front brake is operated independently, especially at higher speeds.
6. The kickstand is not designed to hold the bike upright with cargo by itself, always manually hold the bike upright when loading or carrying cargo.

Safety and Care Instructions

To ensure safe riding conditions and maximize e-bike longevity, you must follow the guidelines outlined below:

- To clean the e-bike, wipe the frame with a damp cloth soaked in a mild, non-abrasive, non-corrosive detergent mixture. Wipe or spray all unpainted parts with anti-rust treatment after being used in coastal areas or areas with salty air or water.
- Never immerse the bike or any components in water, as the electrical system may be damaged. If the hub and bottom bracket bearings have been submerged in water, they should be removed and re-greased (this will prevent accelerated bearing deterioration).
- Periodically check wiring and connectors to ensure there is no damage, and the connections are secure.
- Store under shelter, avoiding extended exposure to cold or inclement weather. If exposed to rain or excess moisture, dry your bicycle afterward and apply anti-rust treatment to the chain and any other unpainted steel surfaces.
- Regularly clean and lubricate all moving parts, tighten components and adjust as required.
- Your cables, spokes, and chain will stretch after an initial break in period of 80-160 km, and additionally bolted connections can loosen with time and usage. Therefore, we suggest you contact a certified bicycle mechanic every two months to ensure your bike is safe and problem-free for years of use.
- If the paint has become scratched, or the metal chipped, use touch-up paint to prevent rust (clear nail polish can also be used as a preventative measure).
- Damage from corrosion is not covered under warranty, therefore special care should be given to protect and extend the life of your bike.

Maintenance

◆ Battery Maintenance (48V 14AH Samsung/LG Lithium-ion battery)

1. Don't fully drain your battery. Turn off the power when the battery charge is low.
2. Fully charge the battery after each use, no matter how much power is used. This will prolong the battery life. If the battery is not used for a long time, store the battery with a full charge and charge it once a month.
3. The Bike can be safely ridden in light rain. However, riding through very heavy downpours or through flooded streets is not recommended, as the crank and/or motor can get wet, which may cause problems.
4. Keep the battery away from open flame or a high-temperature heat source. Do not expose the battery to direct sunlight or recharge immediately after use in high-temperature weather.

◆ Motor Maintenance（750W brushless gear hub motor with 80Nm of torque）

1. Please check your motor frequently and tighten any loose screws or nuts, to prevent the vehicle from breaking down due to disconnected wires.
2. The brushless motors are not waterproof, so avoid riding through water deeper than the lower edge of the electric wheel hub to avoid motor failure.

◆ Chain Maintenance

1. We recommend cleaning the chain after each ride, especially in rainy and humid environments. Use a dry cloth to wipe the chain and its accessories clean. Use a brush to remove sand and dirt stuck in the chain, along with use warm soapy water if needed. Do not use strong acidic or alkaline cleaning agents (such as rust remover), because these chemicals can damage the chain.
2. Apply lubricating oil after cleaning to avoid rust. First, make sure the chain is dry, and then apply the lubricating oil into the bearings.
3. To prevent unnecessary chain wear, try to maintain a vertical chain position when shifting gears (do not use the smallest gear with the smallest flywheel, or the largest gear with the largest flywheel, etc.).

◆ Front Fork Maintenance

1. Always use a clean, oil-free lint-free cloth with plain or soapy water to clean your bike. To prevent water from flowing into the front fork, you can turn the bike upside down. Dry with a lint-free towel after washing. Pay specific attention to the inner tube and the dust seal to reduce wear and prevent thinning of the inner tube, which can lead to significant damage if the aluminum is exposed to air.
2. We recommend using a front fork dust cover to protect the inner tube of your front fork. This prevents dust from entering as well as hard objects from hitting the inner tube.

◆ Brake Maintenance

1. **Pad replacement:**

   Pads should be replaced if they become contaminated or have less than 2.5mm thickness. (Metal plate & wear material)

2. **Before riding:**

   Check the pads for wear or contamination.

   Check the hose for cracking, wear or deformation. Replace if necessary.

   Check if the brake system is operating correctly.

3. **After riding:**

   Check the pads for wear or contamination.

   Check the hose for cracking, wear or deformation. Replace if necessary.

   Check if the brake system is operating correctly.

4. **At regular intervals:**

   Check the oil level in the reservoir.

   Lubricate the brake lever pivot with grease.

   Check to make sure that all the bolts are tightened to the correct torque specifications.

5. **Bleed The System**

You should always bleed the system after you have shortened or replaced the hose or have opened the system to the air at any time. Additionally, if the brake action feels spongy, you may improve performance by re-bleeding the system.

Tools and equipment required:

- 2mm Allen wrench
- 4mm Allen wrench
- 7mm wrench
- T15 Torx® wrench
- 20cc syringe
- Piece of tubing
- Tektro brake fluid
- Piston holder
- A clean, empty bottle or plastic bag
- A cleaning towel

CAUTION: Cleanliness is a very important part of any maintenance of the Tektro hydraulic disc brake. If the pads or rotor become contaminated with oil or if the hydraulics become contaminated with impurities, braking performance will be greatly impaired. Use only Tektro brake fluid with the Tektro hydraulic disc brake. Other brake fluids may not be compatible and may damage the system.

Step By Step Guide (See 4a - 4e)

Step 1: Place the bike in a stand. Position lever so that it sits parallel to the ground. (See 4a)

Step 2: Remove disc brake pads to avoid contamination during the bleed procedure. -Insert a disc brake piston setting tool or other non-sharp tool and push the pistons back into the caliper.

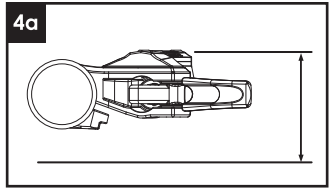
Step 3: Insert Tektro bleed block into caliper. Bleed block ensures that pistons will not move inward during bleed procedure.

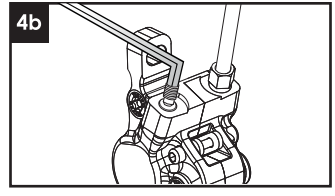
Step 4: Using a T15 Torx, unscrew the bolt located at the caliper bleed port. (See 4b)

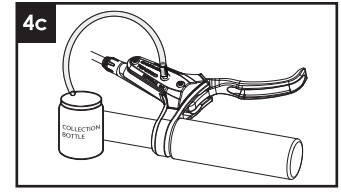
Step 5: Attach a section of plastic tubing with knurled silver bleed fitting to your syringe (supplied with bleed kit). Fill Syringe halfway with Tektro Mineral Oil. Hold the Syringe vertically with the tip up and tap out any air bubbles. Install the knurled silver bleed fitting (supplied with the bleed kit) into the caliper bleed port.

Step 6: Using a T15 Torx, remove the Reser/oir bleed plug. Set aside.

Step 7: Install the knurled silver bleed fitting (supplied with the bleed kit) into the reservoir bleed port. Firmly attach a long plastic tube over the bleed fitting, placing the other end into a clean, dry empty bottle or plastic bag .(See 4c)







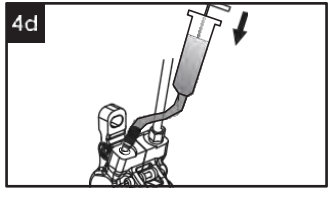
Step 8: Start filling the brake with new mineral oil by slowly pushing the syringe. Air bubbles may come out of the reservoir. Continue pushing fluid until you no longer see bubbles coming out of the tube .(See 4d)

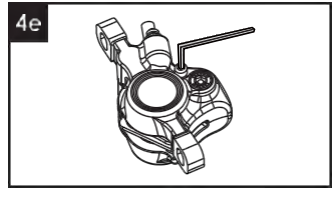
Step 9: Remove the plastic bag or collection bottle, section of tube, and knuried bleed fitting from the brake lever reservoir. Re-install the T-15 reservoir bleed plug. Tighten to 2-4Nm.

Step 10: With the bleed plug installled at the reservoir, you may now remove the syringe and knurled bleed fitting from the caliper. Re-install the T-15 caliper bleed plug. Tighten to 2-4Nm.

Step 11: Wipe off any excess oil from the lever and caliper body.

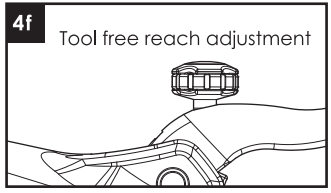
Step 12: Remove 2-Piston Bleed Block and reintstall the brake pads.

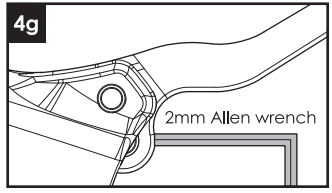




Adjust Lever Reach (See 4f - 4g)

4f. Tool free reach adjustment type-by the reach adjustment knob on the lever.
4g. By tightening the 2 mm reach-adjuster bolt on the lever.





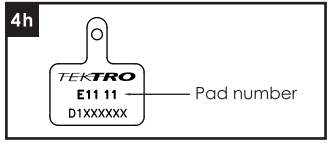
WARNING: TEKTRO had implemented 2 key improvements this year for better performance, 2.3mm thickness rotors and 5.0mm brake pads.

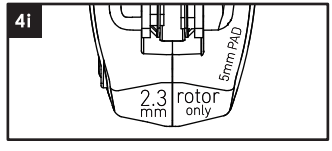
If there is lasered "5.0mm Pad" and (or) "2.3mm rotor only" or "E.2.3" on the caliper of your hydraulic disc brakes, please make sure to replace your brake pads and rotors according to the original setup of each model. You can find more information about 2.3mm rotors and 5.0mm pads on TEKTRO website. (See 4i).

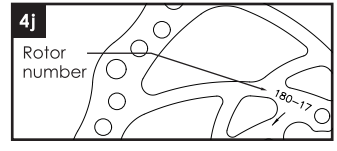
Rotor replacement:

2.3mm thickness rotor should be replaced if worn to 1.9mm thickness.

1.8mm thickness rotor should be replaced if worn to 1.5mm thickness.







(Brake Maintenance is quoted from https://www.tektro.com/ , for further information and instructions please go to https://www.tektro.coload.php)