



E-bike Owner's Manual



Model: 700 Series

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Ride1UP 700 Series Owner's Manual

OWNER'S NAME: _____

DATE OF ASSEMBLY: _____

BIKE SERIAL NUMBER: _____

NOTE: ♦ THIS IS FOR YOUR RECORDS ONLY. YOUR SERIAL NUMBER IS THE NUMBER STAMPED ON THE FRONT OF YOUR HEAD TUBE.

Thank you for purchasing a **Ride1UP 700 Series** e-bike! This manual contains important safety, performance & maintenance information. Please take a moment to read the manual and review our instructions before start riding & keep the manual for the future reference.

Need service or support? Visit our website <https://ride1up.com/bike/support> for quick answers or call/email us directly. Our support team are ready to help you, M-F: 9AM-5PM.

Ride1UP Customer Support Contact:

Phone: [\(888\) 494-1415](tel:(888)494-1415)

Email: support@ride1up.com

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IMPORTANT: READ ALL INSTRUCTIONS BEFORE USE. RETAIN INSTRUCTIONS FOR FUTURE REFERENCE. **WARNING:** Basic safety precautions should always be observed when using an electrical appliance to reduce the risk of fire, electrical shock or serious injury.

1. Safety Notes

1.1 Personal Safety:

It is the owner's/rider's responsibility to properly assemble their bike and inspect all components and ensure all nuts and bolts are properly tightened for safety or to trust a 3rd party to do so. This is important for all bikes and even more critical for safety on an electric bike. Failure to do so may result in serious injury and/or death.

This e-bike is intended for use on paved roads or paths only. Using the e-bike for any other purpose may result in serious injury. Before you ride this e-bike in a busy area or on public roads, practice riding in a safe area free of hazards. Take time to learn the e-bike's controls and power. It is your responsibility to identify and follow all local laws and regulations, including fitting your e-bike with any additional equipment necessary to comply with local laws. At night your e-bike **MUST** have white front lights and red rear lights lit. It **MUST** also be fitted with a red rear reflector and amber pedal reflectors. Use caution when loading your e-bike into a car or when mounting it on a bicycle carrier. You must avoid damaging the wires of the electrical components during riding, transport, and storage.

1.2 E-bike Safety:

You must be 18 or over to ride this e-bike. Your e-bike is designed for a maximum permitted overall weight (rider + cargo) of 275lbs. Your bike should be inspected or assembled by someone experienced with bike mechanics prior to use. Proper assembly is vital for safety and for your warranty coverage as damages due to improper assembly are not covered under warranty. Improper assembly of critical components could lead to serious injury and or death. Do not submerge your e-bike in water. Be aware that the speed at which you are traveling may be faster than you are used to, especially when accelerating.

1.3 Electrical Safety:

Only use the charger supplied by Ride1UP. Do not store the bike or battery plugged into a wall outlet. Unplug the battery before leaving the bike alone. Never modify the charger in any way. The charger has been designed for a specific voltage, always check that the outlet's voltage is the same as that stated on the rating label. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack; never use the charger with another appliance or attempt to charge this product with another charger. Before use, check the charger cord for signs of damage. A damaged or entangled charger cord increases the risk of fire and electric shock. Keep the charger cord away from hot surfaces and sharp edges. Do not handle the charger with wet hands. Do not store or charge the appliance outdoors. The charger must be removed from the socket before removing the battery, cleaning or maintaining the appliance.

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1.4 Brake Safety:

Regularly check your brakes for signs of wear and tear and functionality. Any worn parts must be repaired or replaced immediately. Be careful while getting used to the brakes. Practice emergency stops in a place clear of traffic until you are comfortable controlling your e-bike. Wet weather reduces your braking power and the grip of the brakes. Reduce your speed and be aware of longer stopping distances when cycling in wet conditions. Braking on unpaved surfaces will differ. Be sure to practice braking on different surface types. Ensure that braking surfaces and brake pads are free of wax, grease and oil. Do not pedal and brake at the same time as this will cause excessive wear.

1.5 Maintenance:

Make sure all screws, nuts, and bolts are tightened securely before riding. Failure to do so may result in serious injury and/or death. Many parts on your e-bike are subject to a higher degree of wear due to their function and depending on their use. Have your e-bike checked regularly at a professional bike shop and have any worn parts replaced. Ensure the battery is removed from the bike before carrying out any maintenance. You must always use genuine replacement parts when performing maintenance on your e-bike. Regularly check the tire pressures (See sidewall of your tire for correct psi range) and regularly check the tread depth of tires.

After an accident or crash you must take your e-bike to a bike repair specialist to make sure that it is safe to ride. Be aware that damage may not be visible. Failure to do this may result in serious injury. Any form of crack, scratches or change of coloring in highly stressed areas indicate that the life expectancy of the part has been reached and it should be replaced immediately.

1.6 Additional Warnings:

Routine maintenance checks are required on your e-bike. Check all important connections, brake functionality, and ensure axle nuts are secured before riding. Failure to do so may result in serious injury and/or death. Do not ride your bike at night without working front lights and rear tail lights. Failure to do so may result in serious injury and/or death.

The e-bike is intended for use by those at least eighteen years of age. Use by anyone below the age of eighteen is prohibited. Have installation/assembly checked by a professional bike mechanic or completed entirely by a bike mechanic prior to riding. Failure to do so could result in serious injury and/or death. When operating your e-bike: Do not wear earplugs, headphones, headsets, or use a cell phone while riding. Never hitch rides on other vehicles. Never hold an item which interferes with your grip on the handlebars & never be under the influence of alcohol or drugs while riding.

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ALWAYS wear a helmet when riding your e-bike. Failure to do so may result in serious injury and/or death. It is your obligation to check all applicable laws for bicycle rules governing: operation, equipment, use and appropriate places for operation. Do not exceed local speed restrictions.

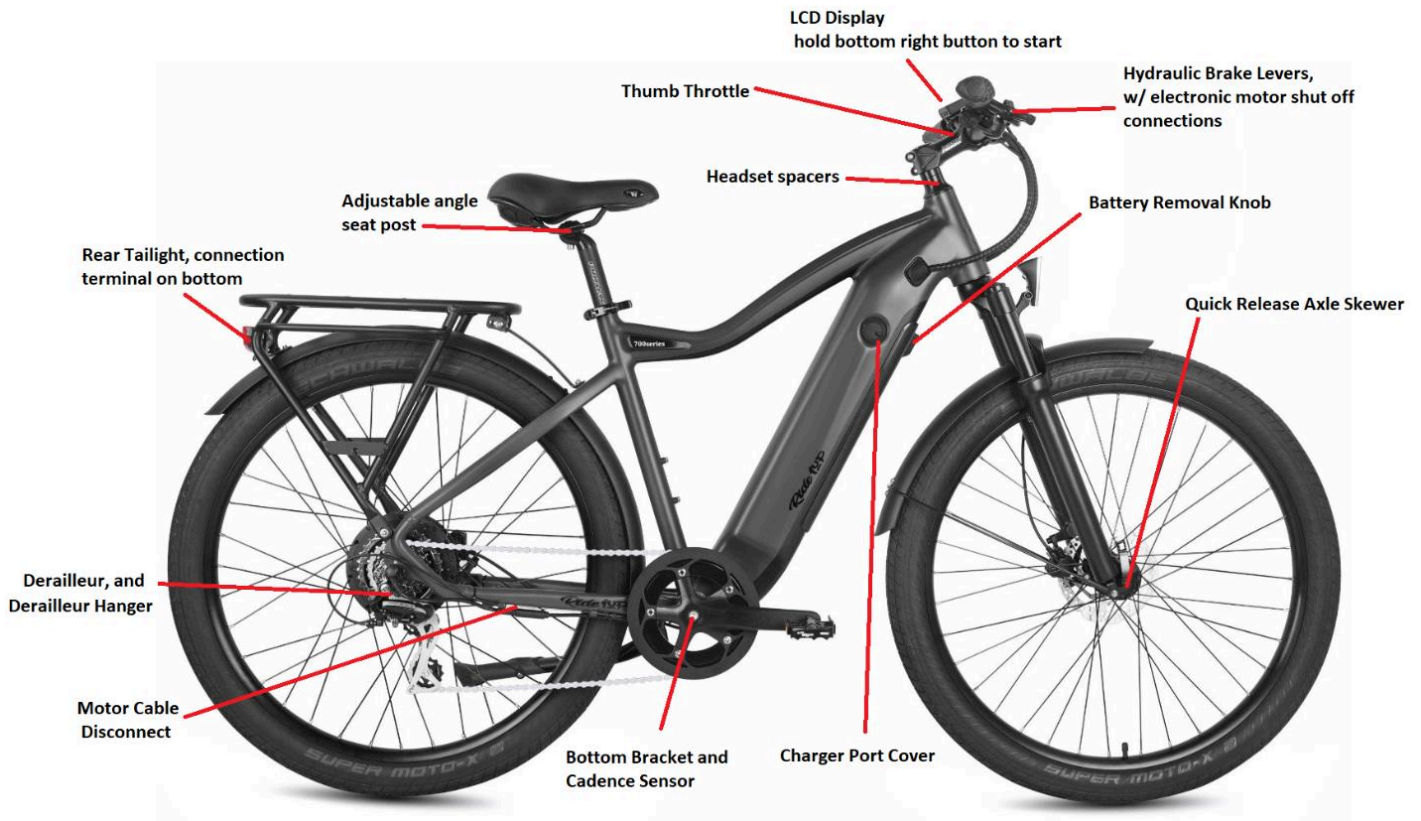
Maintain your brakes such that you can at least execute a one-braked-wheel skid on dry, level, clean pavement. Never configure your e-bike such that the handlebars are higher than a rider's shoulders. In addition to front and rear reflectors, you must also ensure that the e-bike is equipped with side reflectors. Never ride your e-bike without the seat provided with the e-bike.

This e-bike is not meant for downhill riding or rocky trails. The e-bike is for paved or smooth surfaces only. Do not ride your e-bike in unsafe weather conditions or when the road surface is comprised, with ice, snow, water, sand, or anything else that could cause a loss of traction. Failure to follow this rule may result in serious injury and/or death.

Keep your e-bike and packaging away from children. Lithium-Ion batteries can be extremely dangerous if stored or used improperly. Please learn proper care of your battery at <http://batteryuniversity.com/>. Damage to your lithium battery from misuse could result in serious injury, hazardous smoke and fires, and/or death.

Special precautions must be taken if you transport your e-bike with you during air travel, or if shipped by air courier. Be sure to follow all requirements of airlines and air couriers regarding lithium batteries if you take your e-bike with you during air travel, or if you ship your e-bike by air courier.

1.7 Notable Bike Parts:



2. What's in the Box?

Figure 1: Bike; fork, front wheel, front axle skewer, front fender, rear rack, handlebars, saddle, and additional box of parts/tools (Figure 2) all zip tied together and padded.



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Figure 2: Seat and seat post, and separate box with pedals, charger and installation hardware.

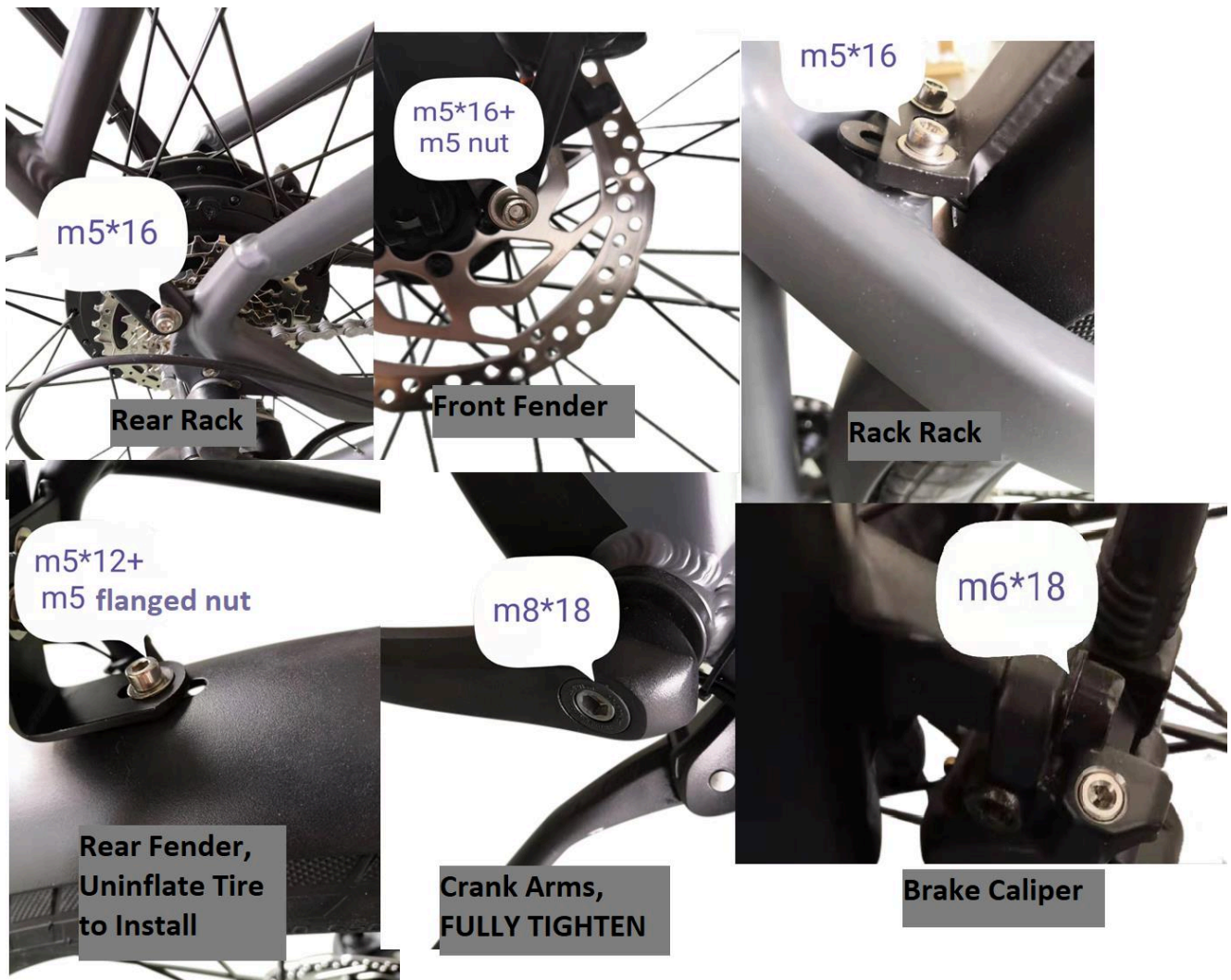


Figure 3: Close up of the bag of nuts and bolts.



2.1 Nuts & Bolts: Where do they go?:

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3. Installation Steps: Assembling Your Bike

3.1 Fork Assembly:



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PLEASE COMPLETE STEPS IN ORDER.

- Check cable and wire routing before inserting fork.
- Make sure fork is not backwards, the brake goes on the left.
- Align steered tube with the hole of the head tube, slowly slide through. (Figure A)
- Push Compression ring (the compression ring is the only split ring) flush with head tube, then slide on headset spacers. (Figure B)
- Slide on the Stem with attach handle-bars on top of spacers. (Figure C) Check your cable and wire routing at this time. You may need to flip your handlebars
- Do not stress, stretch, or kink your hydraulic brake line. Do route it inside the front of the fork on the left side of the wheel.
- Tighten on the top cap with attached bolt using hex wrench. (Figure D)
- Once top cap is tightened, align stem and tighten pinch bolts. The fork should turn smoothly but not shift up and down relative to the headtube. (Figure E)

WARNING: ♦ IT'S VITAL TO TIGHTEN THE BAR CLAMP TO AVOID THE MOVEMENT OF THE HANDLEBARS, AS WELL AS THE COMPRESSION CAP, ENSURING FORK IS INSTALLED CORRECTLY. THIS SHOULD BE COMPLETED BY SOMEONE FAMILIAR WITH BIKE MECHANICS.

3.2 Front Wheel Assembly:

- Do not touch the brake pads or rotors with your fingers. The oil will contaminate them and cause noises when braking.
- Do not squeeze the brake lever before the rotor is installed. This may damage the brake caliper.
- Do not stress, stretch, or kink your hydraulic brake line.



4



5



6



7

- Align the disc rotor so it fits between the brake pads. Do not force it. (Figure 4)
- Place the front wheel axle onto the fork dropouts. (Figure 5)
- Install the quick release skewer. **The narrow part of the cone springs should face inward.** (Figure 6)
- Rotate to tighten and then hand tighten the axle skewer quick release arm. Line up the disc rotor to make sure there is space on each side, so they don't rub. Then make sure the wheel is secure. (Figure 7)

WARNING ♦ IT IS VITAL THAT THE QUICK RELEASE HAVE BEEN TIGHTENED. IF THEY ARE NOT PROPRRLY ALIGNED, THE WHEEL MAY COME OFF, CAUSING SERIOUS INJURY AND/OR DEATH.

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3.3 Seat Post Assembly:



- Open the seat clamp and insert the seat post to or past the minimum insertion point. (Figure 8 & 9)
- Adjust the suitable height and rotate the clamp to tighten and then shut it. (Figure 10)

3.4 Seat Clamp Assembly:



- Slide saddle into seat post clamp.
- Using an 6mm hex wrench. Tighten the bolt to 16-17nm of torque.
- The seat post angle is adjustable. Ensure the bolt is correctly torqued. **If left loose or over-tightened, the seat post bolt could snap causing serious injury and/or death.**

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3.5 Pedal Assembly:



- Screw each pedal into a crank by hand. They should screw in easily to start. Do not force them. The pedals are marked with an R and L, **the left pedal tightens to the left.**
- Use an adjustable wrench to finish tightening the pedal in place.

NOTE: ♦ THERE ARE TWO PEDALS INCLUDED IN THE BOX WITH YOUR BIKE. THE PEDALS SCREW INTO THE ENDS OF THE CRANKS WITHOUT EXTRA NUTS, SCREWS OR PINS. FAILURE TO USE THE CORRECT PEDAL ON THE CORRECT SIDE WILL RESULT IN A STRIPPED CRANK ARM.

3.6 Chainring Assembly:



- Crank arms should be installed 180° from each other.
- Slide chainring and crankarm over the bottom bracket.

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- Using an 8mm hex wrench. Tighten the crank arm to 38nm of torque.
- Check the left side crank arm as well. It should be very tight, 38nm.

3.7 Detailed Torque Settings:

Saddle Clamp Bolt: 16-17nm (or as noted on seat post)

Crank Arms: 39nm

Compression Cap (bolt): 4-5nm (make sure steering is still free but fork is not loose or wobbly.)

Stem/Steerer Clamp: 8-9nm (or as noted on stem)

Handlebar Clamp: 8-9nm (or as noted on stem - tighten evenly in a cross pattern so the gap at each bolt is the same)

3.8 Spoke Tension:

Rear wheel, 12G spoke:

Left side 114-130kgs (Park tools, 33-34)

Right side 150-172kgs (Park tools, 35-36)

Front wheel, 13G spoke:

Left side 133-151kgs(Park tools, 30-31)

Right side 104-117kgs(Park tools, 28-29)

4. Battery Connection & Removal



- Insert the key into the battery key hole.
- Turn the key in a clockwise direction (At 90 degrees).
- With one hand holding the battery in rotate the knob to the left or right and carefully use both hands to remove the battery.
- If the knob feels stuck, do not force it, simply take the weight off of the latch and it will release easily. P
- Replace battery with key in the same position, then turn key to lock.
- Charging port is on the right side of the battery at the top of the down tube.

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NOTE: ♦ ALWAYS KEEP THE CHARGER PORT COVERED TO PROTECT AGAINST MOISTURE, WHICH CAN DESTROY THE BATTERY.

5. Charging the Battery:

WARNING ♦ **DO NOT LEAVE CHARGING BATTERY UNATTENDED**

The battery's voltage is indicated by the 4 LED lights located on the top of the battery & also on the display unit located on the handlebars. Your battery must be charged in an ambient temperature, on a non-flammable & dry surface, away from any sources of heat, humidity or flammable materials. Also, it must not be covered.

Follow the steps when charging battery:

Step 1. Turn the bike off. The LCD will be off.

Step 2. Plug the charger (which is off) into the socket and then insert the charger plug into the battery, which is also off. Make sure the charger's tip is not stressed or supporting the weight of the charger. Do not wiggle the charger's tip in the charging port of the battery.

- The **red** LED lights on: The battery **is being charged**. (A)
- The red LED light become **green**: The battery **is fully charged** and you can unplug the charger. (Figure B)



(A)



(B)

NOTE: It takes 3-6 hours for the battery to be fully charged when using the standard charger supplied with the bike.

Do not leave the battery unattended while plugged into the charger. Do not store the batteries connected to the charger. Do not wiggle the tip of the charger in the battery port.

Battery Basics & Care:

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NOTE: Never charge your battery when it's temperature or the space it is stored in is below freezing. Failure to follow this rule could result in serious injury, death, and property damage.

The chargers do stop charging when the battery is fully charged. When charging your battery, do not charge near any potentially flammable material. Charge in a safe fire-resistant space. If you are storing the e-bike for more than a day, do not leave it plugged in. It is best to leave it charged to 80% but unplugged. The button on the top of the battery works as a charge gauge. It is not an on-off button. When riding always plug the charger port with the rubber cover. If moisture gets in, the battery can be destroyed. Everyone is encouraged to learn a little bit more about the basics of lithium ion battery care and proper treatment. For extended life, charge your battery to 80% and use it until it is at 20%. Depending on the charge level when plugged in, it takes 3-6 hours for the battery to fully charge when using the standard charger supplied with the bike. Charging for 1-2 hours will keep it near 80% depending on last usage. You can check the charge percentage on the display. If storing for periods longer periods (a week or more), it is a good idea to store your battery with a 40-80% charge. **Check the battery once a month.** If the battery drops to 25% or lower, charge it up to 40-80%. Recommended storage temperatures are 50°-77°F and will provide the best performance out of the battery. Storage should be done in a dry area.

6. Display Instructions



6.1 General Operation:

(for more information, download the entire LCD manual at ride1up.com/bike/support)

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- **Switching the E-Bike System On/Off:** To switch on the e-bike system, hold the Power button for 2 seconds.
- **It is best practice for safety, to only turn on your electric bike once you have lifted your leg over the bike, but before you have gotten on the seat, and are ready to ride.**
- **It is also best practice for safety to turn off the bike when you are done riding after you dismount from the seat, but before you lift your leg over the bike to get off.**
- Once the bike is powered on, the throttle is active, if pushed it will cause the bike to accelerate. If PAS is on and at 1 or higher, if the pedals are bumped and move forward when next to or moving the bike, power will be sent to the motor and the bike will accelerate.
- Turning it on and off as described above will minimize the chance of the bike accelerating unintentionally.
- To turn the headlight on/off, hold the + button.
- To change to MPH and other settings, enter the menu by hold the '+' and '-' button at the same time for 2 seconds.
- When parking the bike for more than 5 minutes, the e-bike system switches off automatically.
- The settings can be adjusted by pressing the menu button and reading the prompts on the screen.

7. Error Code Troubleshooting:

In the event of a problem with the electrical components of your bike, the display will show an error code. The error code may only appear briefly when the problem occurs. If an error occurs and you can do so safely, glance at your screen to see if an error code is present. Compare the code with this list below and **how to resolve**:

7.1 Error Codes/Source of the Error:

Code	Error	Source of the Error
21	Battery Voltage	The battery is not supplying the required voltage to power the display and motor. Use the display to view the real-time voltage being output from the battery. It can also be checked using a

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		multimeter. If the battery is old and has been charged / discharged many times, it may need to be replaced.
22	Throttle	When you press and release the throttle, it should return to the original position. Remove any obstructions. Check the throttle and throttle cable for damage, such as a cut or frayed cable.
23	Motor Sensor	Check the cable that connects the rear hub motor to the rest of the system and make sure it is free from grit or contaminants and is firmly connected. This error might appear if you don't reconnect the cable after removing the rear wheel (for example, after changing a flat tire, or transporting your bike in the trunk of a car). At least one of the motor wires has been damaged or is disconnected.
24	Motor Communication	Check the motor cable connection point by the chainstay, and where the motor cable connects to the internal controller. The wire might be disconnected or damaged, reconnect the motor cable. Another possibility: Damage to the motor cable as it exits the axle, perhaps if the wheel was dropped on the cable.
25	EBS (electronic brake shut-off)	Disconnect electronic brake shut-offs. Likely a magnet sensor issue. This can happen often after a crash or when the bike is dropped. See video on Ride1UP YouTube channel, or under instructional videos on the support page to resolve.
30	Communication Error	A problem with the connection from the internal controller to the display. The display is not receiving vital information.

8. Warranty Information

NOTE: (full warranty terms listed on website)

All Ride1UP electric bikes come with a One-Year Limited Warranty from date of purchase. Defective items or parts will be replaced and shipped to the holder of the warranty only. Warranties are not transferable to parties other than the original purchaser. All purchases must be made directly from Ride1UP.com. If purchase was not made on Ride1UP.com, you must register your product at ride1up.com/bikes or by emailing support@ride1up.com with the original receipt of purchase.

The warranty covers product defects only that were already present at time of handover. It does not cover normal wear and tear, product misuse, act of God, accident, commercial use, alterations, modifications,

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improper assembly, water damage, extreme riding, installation of electrical or mechanical components that have been modified, altered, or replaced with third-party parts, operator error and improper follow-up maintenance. The warranty is only upheld if the user has followed all the rules in the owner's manual. Ride1UP reserves the right to make judgment determinations of proper use based on the evidence provided and may require photos and/or videos of the items in question. Damages resulting from improper assembly are not covered by the warranty. The components that are covered are: Frame, Fork, Saddle, Stem, Headset, Tires, Battery, Derailleur, Shifters, Brakes, Hubs, Freewheel or Cassette, Chain, Internal Controller, Display, Grips, and Motor.

8.1 How to Handle Warranty Claims:

In the event the E-Bike is damaged during shipping, we will file a claim with the shipping company for major damage and send a replacement part when necessary. Minor scratches to components don't necessitate replacement or any refund, but for major aesthetic damage a credit may be issued, or replacement sent if the item is severely damaged. We will not cover any damage caused when owner sets up their own shipping option including using a freight forwarding or similar service.

Ride1Up will cover labor and parts involved in handling the guarantee within the 30-day period after purchase. It is the owner's responsibility to immediately inspect your bike on receipt, maximum within 3 days. Shipping claims are time sensitive. To quickly resolve the issue, the owner must send an email with a photo and/or video if appropriate to support@ride1up.com.

After the first 30-days Ride1UP will ship replacement parts of defective items within one year at no charge. The owner will be responsible for labor. Warranty parts will be shipped within the U.S. only at our cost. It will be necessary to send an email with a photo and/or video as requested to support@ride1up.com so we can determine if it is covered under the warranty.

Ride 1up reserves the right to make judgment determinations of proper use based on the evidence provided and may require additional photos and or videos of the item or issue in question.