

EN

2019 v.01

III SUPER 73[®]



USER MANUAL
ASSEMBLY, MAINTENANCE AND WARRANTY

ORIGINAL INSTRUCTIONS (ENGLISH)

SUPER 73 Z-SERIES

WELCOME!

You are now an official member of the SuperSquad.

We're happy to welcome you into our Super73 rider community.
Let the adventures begin!

Please read this owner's handbook carefully before using your Super73 in order to become thoroughly familiar with the correct operation of your bike's controls, its features, capabilities, and limitations. This handbook includes safe riding tips, but does not contain all the techniques and skills necessary to ride an electric bicycle safely.

Please make sure you are familiar with the legal rules for electric bikes in your country and state before the first use.

Connect with us

Our relationship with you does not end with the purchase of a Super73. We look forward to hearing about your experience and seeing you online on our social networks:

 www.instagram.com/super73
 www.facebook.com/lithiumcycles
Forum: www.super73owners.com

CONTACT SUPER73:

Super73, Inc.
2862 Walnut Avenue, Suite D
Tustin, California 92780
United States
Phone: 1(949) 313-6340
www.super73.com

.....

This handbook contains information on the Super73 electric bikes.

Always store this Owner's Handbook with the Super73 and refer to it for information whenever necessary. The information contained in this publication is based on the latest information available at the time of printing.

Super73 reserves the right to make changes at any time without prior notice, or obligation. This is not to be reproduced wholly or in part without the written permission of Super73.

©Copyright 2019 Super73, Inc. , V01.
Updated November 2018.

TABLE OF CONTENTS

- 2 Welcome
- 4 General Information
- 5 Registration & Intended Use

- 6 Diagram of a Super73-Z
- 7 Included tools and hardware
- 8 Assembly Instructions
 - Charge battery
 - Install handlebars
 - Install pedals
 - Inflate tires

- 11 Before the first ride
- 12 Operating the bike

- 14 Maintenance Schedule
- 15 General Warnings
 - Wet weather
 - Riding at night

- 16 Safety / Notes
- 17 Maintenance and Components
 - Tires
 - Helmets
 - Reflectors
 - Brakes
 - Battery

- 21 Warranty

GENERAL INFORMATION

Carefully read all the instructions that come with this Super73 electric bike, also known as an E-Bike, before the first ride. Please note the following symbols:



WARNING! Warnings, precautions, and potential risks associated with the use of your Super73.



Danger! Possible dangers for your life and health if respective calls to action are ignored.



Tip! Recommendation! Meaningful additional information.

Please perform a safety check before each use, as described on **page 11** of this user guide.



We recommend taking your Super73 to a certified E-Bike specialist or bicycle dealer for assembly. **This is required for valid warranty.**



DANGER !

Do not ride with a bike that has not passed 100% safety verification before each ride as described on p. 11.

Note that explanations of the operations to be performed and tips provided here can, for various reasons, including the experience and skills in the mechanics of the person to execute them, require the use of additional (specific) tools or rely on prerequisites not described in this guide.



DANGER!

This manual includes assembly and maintenance work which may need to be done before a required inspection is due, which needs to be carried out by a specialist dealer. Never perform work on your Super73 beyond instructions in this manual. Do NOT ride your E-Bike if it has been assembled incorrectly. Maintenance beyond what the Owner's Manual instructs is to be handled by an E-Bike specialist. Riding an incorrectly assembled bike can put your own safety at risk as well as others.

If you feel uncertain about proper configuration after assembling your Super73 according to this manual, please contact your specialized retailer or Super73 directly. We will help you willingly.

We wish you a great adventure with your new Super73!

LEGAL REQUIREMENTS



Please check your country or state's regulations on electric bikes before riding. There are variations on age limit, speed, motor wattage and road accessibility.

In most European countries and Australia, the rules of public traffic valid for bicycles also apply to e-bikes traveling up to 25 km/h. However, there are some notable differences (such as the age limit of the cyclist).

**For the latest information on assembly and maintenance,
please go to our website
www.lithiumcycles.com/pages/owners**

REGISTER YOUR SUPER73



All original owners must register on our website to validate warranty.

Please register online at: <https://www.super73.com/pages/register>

If you can't register online, please call us at 1 (949) 313-6340 to have a printed form sent to you.

Write down below the following information for future reference:

Location or website of purchase: _____

Date of purchase: _____

Model (S/SG/S1/SG1/Z/Other): _____

Bike Serial #: _____

(Engraved on the side of the bottom bracket in between the pedal cranks)

Battery #: _____

Battery Key (if provided): _____

We recommend that you keep your original receipt with this handbook.

INTENDED USE

- Your Super73 electric bike is designed for the use on roads and paved paths only. You should therefore never ride on stairs, jump or perform wheelies or similar activities.
- Super73 electric bikes are not approved for participation in competitions.
- Commercial use does not form part of the intended use. Operating, maintenance and service instructions described in this manual are part of the intended use.



No liability or warranty shall be accepted if the use of the Super73 deviates from this intended use, if safety instructions are not observed, in the event of overloading, or if faults are not properly rectified. Similarly, no liability and warranty shall be accepted in the case of assembly errors, willful intent, accidents, and/or if care and maintenance specifications are not followed. Any modification of the gear transmission ratios and alterations to the electrical system (tuning) voids all claims under warranty and guarantees.

- **MAXIMUM LOAD CAPACITY IS 200 LBS (90 KG).**
- Any or all modifications to electronics voids all claims to warranty.



DANGER!

If the user rides the Super73 beyond its intended use, there may be a risk of an accident, serious injury or death and the risk of injury to those around the user.

DIAGRAM OF A SUPER73-Z/Z1

Street tread
tires

Seat with battery and
controller

Fork

Pedals

Chain guard



DANGER!

Before performing any work on your Super73, turn off the power system. Be sure to also turn off the power system during transport in a vehicle. Involuntary activation of the electrical assistance system presents a risk of injury.



DANGER!

Your E-Bike is only approved to transport a single rider. Follow the regulations applicable to your country. Please observe the permitted overall weight of 200 lbs (90 kg).

IN THE PACKAGING

In the packaging, you will find the following tools & hardware:

- 1 x open end adjustable wrench
- 1 x 5mm Allen key or wrench
- 1 x set of pedals
- 1 x handlebar



GOOD TO KNOW:

- Bolts for the handlebars mount are M6 X 12mm socket head cap screws
- Right pedal has the letter "R" inscribed on it, the left pedal has the letter "L" inscribed on it.
- 5mm Allen key can also be used to adjust brakes.
- Tire tubes are 20"x4" - 1/4" but 20"x4" also work (with Schrader valve)



DANGER!

In this manual, the minimal torques of tightening are indicated in Nm. Do not trust your feeling: even if it looks well fixed, it may not be the case. Only a torque wrench guarantees the exact tightening of the screws. To do this, always use this type of key and respect the torques indicated in this manual. Too little or too tight screws can cause fractures. They can cause falls and serious injuries.

Super73 reserves the right to make changes at any time without prior notice, or obligation.



For the latest updates, assembly instructions or information on components, please visit our website: www.lithiumcycles.com/pages/owners

ASSEMBLY INSTRUCTIONS



Needs to be assembled by an E- bike specialist for warranty



VIDEO

View our assembly video to follow step-by-step instructions on our website or our YouTube channel.

LET'S START! It's best to have two people to assemble your Super73.

1

UNPACK. Open the packaging with caution. Unpack your Super73 over a large flat clean area, with a padded or soft surface like carpet to place bike parts without damaging them. Remove the frame from its packaging. Stabilize the bike upright on the kickstand. Do not sit on the bike with kickstand engaged.



DANGER! Please follow the instructions carefully to ensure the proper functioning of the Super73. Failure to do so could result in serious personal injury and / or death.

2

CHARGE THE BATTERY



1. Plug in the charger cable wall plug into a regular wall outlet.
2. Then plug the charging cable to the battery port located on the lower side of the seat.
3. Turn on the battery switch. Press the button, and the light will come on. The button will stay pressed in.

We recommend charging the battery for 6-8 hours on the first charge. This will help condition the lithium-ion cells for optimal performance.

When the charging process starts, the charger LEDs turns red. Once the battery is charged, the LED turns green. Remove the charger cable from the battery and then unplug it from the socket. Remember to put the protective cap back onto the

battery charging socket after charging to protect it from dirt and moisture.

Always make sure there is plenty of ventilation and a dry, fireproof environment for the charger and follow these operating instructions:

- Do not leave the battery connected to the active charger for more than 48 hours.
- Do not leave the charger connected to a socket for more than 48 hours.
- Charge the battery and use the bike at least once every 90 days
- Do not store the bike for more than 24 hours with an empty battery. This prevents a deep discharge with irreparable consequences from occurring.
- Do not use the charger if the charger, main cable or connector cable have any visible signs of damage.
- After being charged, if the battery remains connected to the charger, it will turn on and off again in short spurts of green light. This is not a defect. It simply indicates that individual battery cells are being slowly charged. Nevertheless, make sure that the battery is not connected to the charger for more than 48 hours.

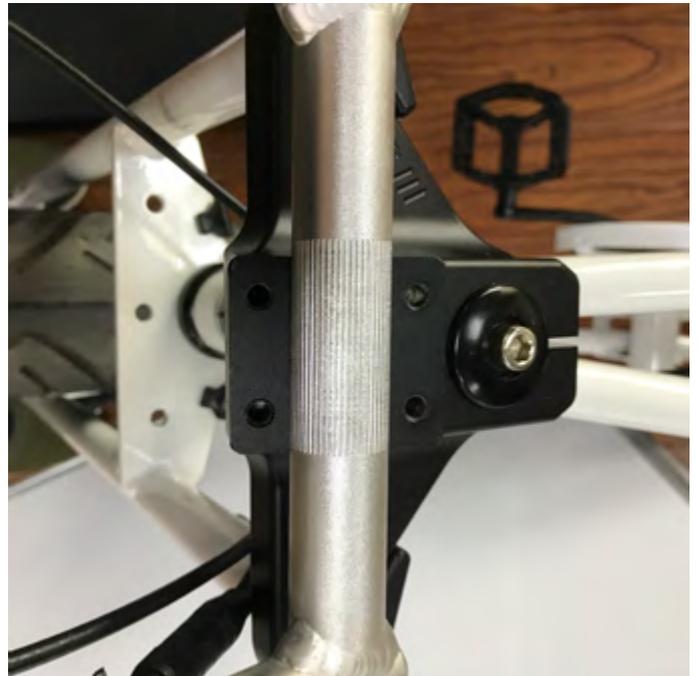


More information on **battery care** and range in the **Maintenance and Components** section.

3

HANDLEBAR INSTALLATION

- Use 5mm Allen key to remove bolts of handlebar clamp.
- Once clamp is open, take handlebar and place it in the clamp's groove.
- Loosely tighten handlebar clamp with Allen key, and adjust it to desired angle.
- Tighten handlebar completely.



4

CONNECT HANDLEBARS HARNESS CABLE

Align the embossed arrows together and carefully connect them together.



5

PEDAL INSTALLATION

Install and tighten the pedals using the wrench. Look for a small L/R on each pedal and make sure you install the left pedal on the left crank, the right pedal on the right crank.

The right pedal is screwed on in a clockwise direction. The left pedal is screwed on by turning it counter-clockwise.



6

TIRE INFLATION

For transport purposes, tires are packed partially inflated.

Tires must be inflated using a pump with a Schrader valve tip with a recommended pressure of between 20 and 25 psi (1.37 and 1.7 bars).

Check the condition of the tires and rims for damage, cracks or deformation a recommended pressure of between 20 and 30 psi (1.37 and 2 bars).

Tip: Tubes are 20"x4"-1/4 but 2"0x4" will also work



ASSEMBLY IS FINISHED!

You're almost ready to ride. Before each ride, it is important to do a full system check, such as checking the tightness of all nuts and bolts. Make sure you follow every step in the next section "Before the first ride".

BEFORE THE FIRST RIDE



If you have purchased your bike from a specialist dealer, they must provide the electric bike in a condition ready to ride in order to ensure safe operation. The dealer must perform a final inspection and a test ride.

DANGER!



Make sure the brakes have already been applied prior to getting on to your bike. If the assistance mode is turned on, your E-Bike will start moving as soon as you push on the pedal. The unfamiliar push can otherwise cause a fall, hazard, or accident.

SAFETY CHECK

1. WHEELS

Check the tires' condition, alignment and air pressure. Check the tires and wheels for damage, cracks and deformation.

2. BRAKES SYSTEM

Pull both brake levers. You should feel an obvious pressure point and the levers should not be able to touch the handle.

- Make sure that the disks are not rubbing against each other.
- If they do rub at the beginning, it's normal because they are not broken in.
- To learn more about adjusting brakes go on our website, our YouTube channel, or visit your local bike shop to have them professionally adjusted and tuned.

Check that the configuration of the brake lever matches what you are used to. Otherwise your specialist dealer should adjust the configuration of the brake levers. More information on brakes on page 39.

3. CABLES: Look out for any loose cables

4. DISPLAY: Check that your display turns on and functions properly.

5. KICKSTAND: Make sure that the kick stand is tightly secured, and not rubbing against the ground or tires. **DO NOT SIT ON A BIKE WITH THE KICKSTAND ENGAGED.**

OPERATING THE BIKE



1. TURN ON THE BATTERY

To turn the power on, press the push button and the light will come on. The button will stay pressed in.

For information on how to charge the battery, go to Battery section.

2. POWER-ON THE DISPLAY



Dis-engage the kickstand. Do not sit on bike with kickstand engaged. Seat yourself on the Super73. Activate power by pressing on the power button on the throttle mount. Make sure the battery button is on.

3. ENGAGE THE THROTTLE



The battery indicator lights will come on, indicating the bike is on and ready. Throttle is now live.

Proceed with care on a flat surface as bike will move forward.

4. POWER-OFF



To turn off the power, press the button again and it will pop back up and return to the flush position.

Once the button is pressed to the off (flush) position, the light ring will remain lit for 60 seconds before turning off completely.

When you are done riding, make sure to turn off the power to the bike using first the power button on the handle bars, then the power switch on the side of the seat. If the power switch on the side of the seat is not turned off, the system remains active and the battery will continue consuming power.

THE FIRST RIDE

Riding off-road (sand, gravel, dirt, uneven terrain)

Please note that the Super73 is designed primarily for riding on flat, paved roads. Riding on any other surfaces including sand, grass, gravel, dirt, rocks, or various uneven terrain may significantly decrease battery life and motor performance.

Battery Range

Power output will vary depending on battery capacity. If your battery is at 20%, for example, it won't have as much power as a fully charged battery. If your Super73 has been shipped to you along with the battery, please fully charge the battery first. When a battery leaves the factory, it's not fully charged as required by air freight legislation. Battery is fully charged when the LED light on the charging cable converter is green.

More information on range and performance in the Maintenance and Components section of this manual.

DANGER!

If the user rides the Super73 in situations beyond its intended use, there may be a risk of an accident, serious injury or death and the risk of injury to those around the user.

BRAKES

Your Super73-Z1 comes with mechanical disk brakes that are easily adjustable.

Go to www.lithiumcycles.com/pages/owners for videos and tutorials on brake adjustment

DANGER!

Do not place any metal objects into the charging port as this can result in a short circuit and render your battery non-chargeable and in need of replacement. This will void the warranty.

MAINTENANCE SCHEDULE

In order to prolong the life expectancy of your bike, here is an example of a maintenance schedule, in the case of regular use, that we recommend following:

1. Before & after each outing
 - Check the brakes
 - Check the tire pressure and any damage
 - Check the alignment of the wheels
 - Check that the battery is locked on the frame
 - Store your bike carefully in a clean and dry place
 - Check that your kickstand is tightly secured
 - Check for loose wires
 - Charge your battery
2. Every month
 - Inspect the possible presence of play in the steering tube
 - Check the cables, tires, handles
 - Check the wear of discs, brake pads, replace them if necessary
 - Check the sail of the wheels, the tension of the spokes
3. Every six months (depending on frequency, and type of use)
 - Inspect the frame, fork and look for signs of cracks in the metal.
 - Check the play of the bottom bracket.
 - Check and grease the wheel hubs, headset, all parts in friction.

For a more efficient control, it is advisable to go to your authorized dealer, in order to make a thorough check. For your own safety, take your E-Bike for its first inspection with your specialist dealer after 200 to 400 km (125 to 250 miles) or at the latest after three months.

WASHING AND CARING FOR YOUR BIKE

Sweat, dirt and salt from winter road maintenance or sea air can damage your bike. You should therefore regularly clean your Super73 and protect it against corrosion. Use clear water for cleaning and a little bit of soap if necessary to dissolve grease residues. Do not spray water directly onto your Super73. Instead, use a lightly damp cloth to wipe down any dirt or debris. After drying your bike, treat surfaces with a care product. Finally, wipe all parts with a clean, soft cloth.



ATTENTION!

Do not clean your Super73 with a strong water jet or steam jet from a short distance. The water can get passed the seals and get inside the bearings. Lubricants are diluted, increasing friction. In the long run, the bearing surfaces will deteriorate.



DANGER!

Intensive use of the Super73 may cause possible damage to the frame and the fork. It is important to inspect the frame and the fork and look for signs of cracks. A broken or cracked frame and fork can cause a fall, danger or accident.

GENERAL WARNINGS



Users legs should be at least 24"/61 cm long to ride the Super73.

Like any sport, cycling involves risk of injury and damage. By choosing to ride a bicycle, you assume the responsibility for that risk. You need to know and practice the rules and safety regulations of riding this bicycle. Proper use and maintenance of your bicycle reduces risk of injury.

Check your local state or country regulations for electric bike laws. For example, check the minimum age for using an electric bike as this differs in various regions.

Riders must have the physical condition, reaction time and mental capability to ride and manage traffic, road conditions, and sudden situations. Also, respect the laws governing E-bike use with accordance to each region. If you have an impairment or disability (i.e. visual impairment, hearing impairment, physical impairment, cognitive/language impairment, seizure disorder, etc.), consult your physician before riding any bicycle.

NOTICE: It is recommended that users pay special attention to all of the general operating rules below before operating their Super73 bike.



- When riding, obey the same road laws as all other road vehicles, including giving way to pedestrians and stopping at red lights and stop signs.
- For additional information, contact the road traffic authority, police department or Department of Motor Vehicles in your state or country.
- Use correct hand signals to indicate turning or stopping.
- Concentrate on the path ahead. Avoid potholes, gravel, wet or oily roads, curbs, train tracks, speed bumps, drain gates, and other obstacles.
- Walk your bike across all train tracks
- Expect the unexpected, such as opening car doors or cars backing out of driveways.
- Be aware at intersections and when preparing to pass other vehicles or other cyclists.
- Familiarize yourself with all the bike features. Practice using the brakes and power system.
- If you are wearing loose pants, secure the bottom using leg clips or elastic bands to prevent them from being caught in the chain or gears.
- Wear proper riding clothes and avoid wearing open toe shoes.
- Don't carry passengers or cargo that will interfere with your ability to control the bicycle.
- Don't use items that may restrict your hearing.
- Maintain a comfortable stopping distance from all other objects, riders, and vehicles. Safe braking distances are based on forces, such as weather and light conditions among other variables.



WET WEATHER

It is recommended to not ride in wet weather. The Super73 is not meant for use in puddles, heavy rain, and streams. Never immerse this product in water as the electrical system may be damaged. Take extra care while riding in wet conditions. Feet or hands can slip in wet conditions and lead to death or serious injury from a fall. Brake earlier as it will take longer to slow than when operated in dry conditions. Decrease riding speed. Wear reflective clothing and use approved safety lights. Road hazards are more difficult to see when wet, proceed with caution.



RIDING AT NIGHT

Be safe! It is recommended to not ride at night. Ensure your Super73 is equipped with a full set of correctly positioned and clean reflectors. Use a properly functioning lighting set comprised of a white front lamp and red rear lamp. Wear reflective and light colored clothing. Slow down and use familiar roads with street lighting, if possible.



A NOTE FOR PARENTS AND GUARDIANS As a parent or guardian, you are responsible for the activities and safety of your child. The Super73 is not designed for use by children.



ATTENTION!

Only take on tasks for which you have the necessary knowledge and tools.



SAFETY / NOTES

The following safety notes provide additional information on the safe operation of your Super73 and should be closely reviewed. Failure to review these notes can lead to serious injury or death.



- All users must read and understand this manual before first use. Additional manuals for components used on your bicycle may also be provided and should be read before use in addition to this manual.
- 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.
- Ensure correct tightening and setup is performed on your bicycle before purchase and is checked regularly.
- It is your responsibility to familiarize yourself with the laws and requirements of operation of this product in the area(s) where you ride.
- Ensure handle bar grips are not damaged and properly installed. Loose or damaged grips can cause you to lose control and fall.
- 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.
- Bicycles and bicycle parts have strength and integrity limitations and extreme riding should not be performed or you risk damaging the components or becoming seriously injured or killed.
- After any incident you must consider your bike unsafe to ride until you consult with a certified bicycle service provider for a comprehensive inspection.
- Failure to properly charge, store or use your battery will void the warranty and may cause a hazardous situation.
- Extreme care should be taken when using the pedal assist sensor and propulsion on this product. Ensure you understand and are prepared for the power assistance to engage as soon as pedaling is underway.
- You should check the operation of the brake inhibitor switches before each ride. The brake system is equipped with an inhibitor which shuts down the power to the electric motor whenever the brakes are engaged.
- User must understand the operation of the twist thumb throttle and pedal assist sensors before using, and take ample care in their usage at speeds appropriate for each region and user experience level. Use the lowest assist level until you are comfortable with the bike and feel confident in controlling the power.
- Because e-bikes are heavier and faster than normal bicycles, they require extra caution and care while riding.
- Do not remove front, rear or pedal reflectors.
- Be familiar with your local e-bike laws.
- Any after-market changes to your Super73 bike not expressly approved by Super73 could void the warranty and create an unsafe riding experience.



MAINTENANCE & COMPONENTS



DANGER!

Before performing any work on your Super73 electronics system, turn off the system and remove the battery. Involuntary activation of the Super73 system poses a risk of injury.



TIRES/WHEELS

The Super73 has 20" x 4.25" (51 x 10.7 cm) rubber tires with inner tubes and a tube liner. The tires are designed for durability and safety for regular cycling activities. However, tires must be checked before each use for proper inflation and condition.

Proper inflation, good maintenance and quick replacement will help ensure that the operational characteristics of your bike will be maintained and dangerous conditions avoided.

Tubes are 20"x4"-1/4 but 2"0x4" also work.

Super73 recommends 20-25 PSI (1.37 and 1.7 bars) for street riding for the front and rear tires on the Super73. The minimal tightening torque of the wheels is 33.89 (Nm) or 25lb/ft.

It is essential that the proper air pressure is maintained in the tires all the time. Do not under-inflate or over-inflate your tires. Low pressure can cause loss of control and tires that are too inflated can burst. Failure to maintain the air pressure rating indicated on the tires may at any time result in tire and / or wheel failure.

Inflate your tires from a regulated air source with an available manometer. Inflating your tires with an unregulated air source could over-inflate them, resulting in an exploded tire.

When tire wear becomes obvious or a hole in the tire is found, you must replace the tires and / or tubes before using the bike, otherwise injury to operators and / or damage to your bike could occur.

To avoid serious injury, make sure all air pressure has been removed from the inner tube before removing the tire from the rim.

In addition to proper inflation, correct wheel alignment helps to decrease tire wear. If you find a tire is worn unevenly, have your dealer check the wheel alignment.

For more information on tire or tube replacement procedures, or tire inflation questions, visit Super73 website and contact the support team: info@lithiumcycles.com



CHAIN TENSION: There should be approximately one half inch of movement in the chain up and down at a point half way between the front and rear sprockets. To change the tension loosen one of the axle-nuts and move the wheel forward or backward slightly and tighten it up again.



HELMETS / REFLECTORS

A properly fitting ANSI or SNELL, (or CE if you are located in Europe), approved bicycle safety helmet should be worn at all times when riding your bicycle, or recommended per your local laws. Always wear a properly fitted helmet which covers the forehead when riding a bicycle. Many states require specific safety devices. It is your responsibility to familiarize yourself with the laws of the state where you ride and to comply with all applicable laws, including properly equipping yourself and your bike as the law requires.

Reflectors are important safety devices which are designed as an integral part of your bicycle. Federal regulations require every bicycle to be equipped with front, rear, wheel, and pedal reflectors. These reflectors are designed to pick up and reflect street-lights and car lights in a way that helps you to be seen and recognized as a moving bicyclist. Check reflectors and their mounting brackets regularly to make sure they are clean, straight, unbroken and securely mounted.



DANGER!

We recommend using our recommended brand of spare parts, or the original manufacturer parts for replacement of used components.

BRAKES

See video on our website on how to adjust: www.lithiumcycles.com/pages/owners or Tektro brake adjustment manuals on www.tekstro.com

For optimum braking performance, Super73 bikes are equipped with Tektro mechanical or hydraulic disc brakes. The Super73 bikes are assembled as follows:

- Front brake = right lever
- Rear brake = left lever



Using the same disc, braking performance is similar between a mechanical or hydraulic disc brake, but there are some differences in operation:

The wear of the pads on a **mechanical disc brake** can be regulated by unscrewing the cable tension knob. There is a complementary adjustment of the inner pad which can be tightened closer or removed from the disc by screwing it in or out with a 5 mm Allen key. For more information on how to adjust brakes, see our website www.lithiumcycles.com and our You Tube channel.



To ensure maximum service life of the brake components, avoid contamination of the pads and the disc by greasy substances.

Regularly check the condition of your cables, ducts or harness and the wear of your pads. Some discs are only compatible with "resin" pads. Do not use a metal pad with discs marked "Resin".

For better ergonomics and safety, we advise you to adjust the brake levers in a position that places it as a natural extension of the user's arms. If you have any questions or concerns, please contact your retailer.

Break-in period

Disc brakes have a 30-40 cycle break-in period to achieve optimal pad seating and performance. Exercise caution for the first 30-40 cycles each time you replace the brake pads. If you notice a squeal-like sound at the beginning, it's normal. The brakes are naturally adjusting. Depending on the frequency of use, you may need to replace the brake pads.



Replacing the pads

When pads are worn, make sure to adjust both clearances between the rotor and pad so that they are equal to 0.3 mm. If only one side is adjusted it will cause braking failure.

1. Pads and pad holders are held in place by a 3 mm pad retainer bolt on the caliper. To remove the pads and pad holder, unscrew the retainer bolt, then gently push out the pads and holder. This may be easier to achieve by using the Allen wrench.
2. Once free of the caliper, the pads may be easily removed from the pad holder.



Warning

- Do not adjust the cable tension only to compensate pad wear.
- After you replace with new pads, check to see if the rotor and pads have contact with each other. If so, go back to step 1 and 2 to adjust until a 0.3 mm clearance is visible.

The Tektro warranty

Super73 brakes are from the Tektro brand. For any manufacturing problem or question related to Tektro brakes, you can contact the local Tektro representative.

The contact details of the distributors and places of services:

<http://www.tekstro.com/service-a.php?t=2>

BATTERY

The battery is the most important component on your Super73. Following a few simple rules, you can optimize its life. Here are a few tips :



- Do not store a discharged battery. It could go into deep discharge which will reduce its life.
- Make it a habit to recharge at the end of each ride, so your bike will always be ready to go again.
- Even if it can withstand storage temperatures of 14°F to 104°F (-10°C to 40°C), you can optimize its shelf life by storing it at room temperature 68°F (20°C).
- Observe operating conditions between 23°F to 104°F (-5°C to 40°C).
- Do not leave your battery exposed to high temperatures or direct sunlight for long periods of time (for example, on the back of a car in direct sunlight).
- Please ensure that the contacts are always clean and do not insert metal objects.
- Do not dispose the battery in your trash. There are proper disposal methods for lithium-ion batteries. Please check your local waste management regulations.
- Warning: Lithium-ion battery transportation is subject to certain rules.

RANGE

The maximum range of a full charge depends on many variables such as: age of battery, type of terrain and incline, rider weight, speed, outside temperature, driving style, amount of pedaling, or tire inflation.

Conditions that affect your battery's range:

- Temperature: Extreme cold and heat can affect the batteries capacity.
- Total Number of Charge Cycles: As the battery ages, total capacity can decrease. The battery has a total of 1000 full cycles when it's new.
- Wind: Riding into a strong headwind can decrease range.
- Road Conditions: Excessively rough or hilly terrain requires the consumption of more power.
- Load: Carrying extra weight on the bike or in a backpack will use more energy.
- Operator Weight
- Repeated Acceleration from a standing start.
- Proper Gear Usage: Taking full advantage of the available gear will significantly increase range.
- Poor Maintenance: Under inflated tires, mis-adjusted brakes, a dry or dirty chain, can decrease range.

Range in cold weather:

- In case of extreme cold, the range of your electric bike is reduced. It is a normal physical process, and in no case a damage or defect of the battery. If you use your battery when temperatures rise, its energy will increase again.
- We advise you to store the battery and charge it at room temperature during cold days and to use your E-Bike immediately after installing the battery. The power consumption warms the battery and you benefit from a good battery life, even when it is cold outside.
- In winter however, plan for shorter trips or pedal with a lower level of assistance.

Tips for Maximizing Range:

- Charge the battery at room temperature (20°C, 3°-74°F)
- Lithium-ion batteries have no chemical memory, and it is not necessary to discharge the battery completely for best performance. Charging a partially full battery will have no negative effects.
- Maintain proper tire pressures and lube the chain regularly.
- Operating temperatures between 4°C and 30°C (40°F and 85°F) will significantly increase range.
- Get your bike a regular tune up (every 6 months) at your local bike dealer.



DANGER ! Never charge or use a defective battery. Never send a battery by postal mail by yourself! A battery is in the category of hazardous/dangerous goods. Under certain conditions, the battery may overheat and ignite.



TIP!

Please follow proper charging instructions before charging the battery. To charge the battery, use only the original charger or charger approved by the manufacturer. Remove the battery from the charger and disconnect the charger from the power when charging is complete.



DANGER! Never charge the battery in a flammable environment. For safety reasons, the charger and the battery must be placed on a dry, non-flammable floor.



CAUTION!

Do not open the battery. There is a risk of short circuit. Opening the battery will void the warranty. Protect the battery against mechanical damage, heat (in case of prolonged exposure to sunlight), fire and immersion in water. There is a risk of explosion. In case of damage and improper use of the battery, vapors may emanate. Keep children away from the battery.



DANGER !

For the correct and safe operation of the electric motor of your E-Bike, you must have it checked by your dealer as part of a regular inspection. Immediately remove the battery from the E-Bike if you notice damage to the electrical system and visit your authorized dealer for repairs. Please contact your dealer if you have questions, problems or damage. Any lack of professional expertise can cause serious accidents.

SEAT

It is not possible to adjust the seat height of the Super73. It is fixed to the frame by bolts.

For maintenance, use a cloth and water with a little soap to clean it. Avoid leaving the seat too long in the sun, as the fabric can soften and be punctured more easily. Avoid wearing clothes that could catch on the fabric and puncture it.



DANGER!

The bike is subject to wear and is highly stressed, like all mechanical parts. Materials and parts react differently to wear and abrasion. If the intended life of a part is exceeded, it is possible that it will suddenly fail, which represents a certain danger for the cyclist. Any type of cracks, streaks or color changes in highly stressed areas indicate the maximum wear of a part. It must therefore be replaced immediately.

It is important to use original, genuine parts for safety-critical components for the replacement of worn parts.

WARRANTY

Each new Super73 comes with a manufacturer's warranty for the original retail purchaser. **PROOF OF ASSEMBLY BY AN E-BIKE SPECIALIST OR BICYCLE DEALER IS REQUIRED FOR VALID WARRANTY.** This warranty provides each original retail purchaser of a Super73 bicycle with a warranty against defects. The warranty claim is directed at the respective dealer or location of purchase.

Warranty claims only exist for initial faults that were already present at the time of handover. Regardless of the legally prescribed liability for defects, Super73 grants a 90-day guarantee for failure of the frame, fork, and electronics. This includes the battery, motor, controller, display, and sensors.

If your product is shipped to you and arrives damaged, please contact us directly by phone or e-mail within 3 working days from the date of delivery. Please note that any damage caused by shipping is not covered by any warranty, however a claim may be filed with the shipping company.

This warranty, which goes beyond the requirements of statutory legislation for defect liability, will only apply if the following points are met:

- If bike was purchased from Super73 directly or through one of our authorized dealers or distributors
- If you are the original and first owner of the bike (warranty is not transferable in the case of a re-sale)
- If bike has followed all intended use purposes
- If the electronics have been repaired or modified by a person authorized by Super73
- If the bike was assembled by a certified E-Bike specialist or Bicycle Dealer
- If bike has been registered on our website www.lithiumcycles.com or a distributor's website

All disassembly and shipping costs incurred will be the sole responsibility of the owner. This warranty is only valid for the first buyer. Any other remedy, such as compensation or loss of use, is excluded. The warranty period cannot be extended by granting an additional warranty.

WARRANTY AND EXCLUSIONS

The conditions of the present warranty will apply only if the bike is bought on the territory of the mainland United States of America (plus Hawaii and Alaska), and remains there. No vendor or distributor may change the terms of this warranty unless the vendor or distributor replaces the Super73 warranty terms with its own warranty terms on the company's letterhead. This warranty does not cover:

- Normal wear and tear
- Damage or failure from abuse, neglect, misuse, or accident
- Damage from stunt riding, ramp jumping, acrobatics or similar activities or any activity that is not consistent with the intended use of the bike.
- Damages resulting from improper charging of the battery pack or use of any charger not supplied by Super73 or its dealers.
- Installation of any 3rd party parts, accessories, or electrical components.
- Any components that have been modified or tampered with, including but not limited to tires, brake pads, chains, lights, motors, battery packs, displays, controllers, etc.
- All warranties are void if the bike is used for any purpose other than the reasonable intended use of the bike as described in "Intended Use" section
- Additionally, this warranty does not cover damage associated with commercial use.
- If electrical parts have been repaired or modified by a person not authorized by Super73, all warranties are voided.

INFORMATION ON WEAR AND TEAR

Some components of your bike are subject to wear owing to their function. The extent of wear depends on the care, maintenance and nature of the use of your Super73 (mileage, riding in rain, dirt, salt, etc.). Bikes that are often left outside can also be subject to increased wear due to weathering. The parts must be replaced once they reach their wear limit. This includes but is not limited to:

- Drive chain or toothed belt
- Brake cables
- Rubber hand grips
- Sprockets, pinions or toothed belt discs
- Gear cables
- Tires, tubes
- Saddle cover/seat
- Brake pads
- Rims or brake discs

The brake pads and disks are subject to wear owing to their function. Check the condition of the pads regularly and, if necessary, have them replaced by a specialist dealer. Brake discs also wear out. Regularly have the thickness of the brake discs checked as part of inspection and replace the components, if necessary. Replacing these parts due to wear, is not subject to the statutory warranty. Environmental factors cause wear on these moving parts. These areas must be regularly cleaned and maintained.

Depending on the operating conditions, it cannot be ruled out that parts will have to be replaced due to wear (e.g. if bearing play starts to occur). You must contact your dealer before arranging repairs in order to ensure the quickest and most cost-effective way to deal with your issue. Shipping and disassembly instructions from either the dealer or Super73 must be followed, otherwise warranty service will not be provided. Failure to comply with the assembly specifications and inspection intervals can void the warranty and liability for defects.

HAVE YOU REGISTERED YOUR SUPER73?

All original owners must register on our website to be able to claim warranty:

Please go to: www.lithiumcycles.com/pages/register

If you are unable to go on the Internet, please give us a call at 1 (949) 313-6340 and we'll help you register your Super73.

///SUPER73®