

User manual Assembly, Maintenance, and Warranty Model: Super73-V2





This handbook contains information on the Super73-V2.

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.

More information can be found on <u>www.lithiumcycles.com</u>

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You are now part of the Super73 owner's circle. Before jumping on your new vehicle, please keep in mind a few important safety tips and maintenance recommendations to ensure the best experience.

For the latest information, please refer to our website **www.lithiumcycles.com/pages/owners**

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WELCOME

We're glad to have you as part of our Super73 rider community. Let the adventures begin. Please read this owner's handbook before riding 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 a bicycle safely. Please make sure you are familiar with your regions bicycle laws.

JOIN OUR COMMUNITY OF RIDERS

Our relationship with you does not end with the purchase of a Super73. Your feedback on the buying and ownership experience is very important in helping us develop our products and services for you.

There are many ways to interact:

- Owner's Circle Newsletter
- https://www.super73owners.com/
- <u>Instagram.com/Super73</u> #SUPERSQUAD
- Visits and riders are welcome at our headquarters in Orange County

2862 Walnut Avenue, Suite D - Tustin, CA, 92780

- Phone: 1.949.313.6340
- E-mail: info@lithiumcycles.com

SEE YOU ON THE ROAD - TEAM SUPER73

1. REGISTER YOUR SUPER73

In order to validate your warranty your Super73 must be registered. Each Super73 has a unique serial number to help us track your purchase and guarantee the quality and service of your bike.

Record the following information for future reference:

Location or website of purchase:

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

2. BEFORE YOU BEGIN

1. CHARGE THE BATTERY OVERNIGHT.

An initial charge will help condition your battery cells and allow for optimum performance throughout its life.

Please note that the charger indicator light may turn green, indicating a complete charge, before the conclusion of the night.

Allow the charge to continue for <u>at least 8 hours</u>. Subsequent charges will be complete after 3-4 hours, or when the light turns green.

2. PLUG IT IN PROPERLY.

Turn off the battery, "0", and connect the battery to the charger **then** connect to the AC wall outlet. This will reduce or eliminate chance of sparking due to capacitor discharge.

The battery must then be turned on, "1", in order for the battery to charge. When the charge is complete, **first turn off battery**, then unplug the charger from the battery. The battery is ready for use.

3. LOCK IN BATTERY WHILE RIDING.

Battery may slip out over rough terrain unless securely locked into place with provided keys.

4. CHARGING LONG TERM

If the SUPER73 or battery is left unused for prolonged storage, recharge the battery at least every (3 months) 90-days during storage for optimum battery performance. Leave battery at no more than half capacity before storage.

NOTE: LOST OR DAMAGED KEYS ARE NOT COVERED UNDER WARRANTY; WE STRONGLY SUGGEST MAKING COPY OF KEYS

3. UNBOXING

WHAT'S IN THE BOX

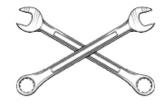
- Bike
- Front Wheel
- Pedals
- Welcome Kit *Battery and Charger shipped separately

TOOLS NEEDED

- Box Opening: Brute Force
- Pedal Install: Pedal wrench or 15mm open-end wrench
- Zip-Tie Cutting: Flush Cutters
- Plastic Wrap/Foam Cutting: Scissors
- Front Wheel Install: 15mm socket w/socket wrench
- Handlebar Install: Long L-Shaped 6mm Allen wrench & 13mm open-end wrench
- Brake Lever Install: 4mm Allen wrench

Packing Material

Please dispose of properly at your local refuse center or follow guidelines on packaging.



4. ASSEMBLY

IMPORTANT: IN ORDER TO VALIDATE MANUFACTURER WARRANTY ASSEMBLY BY E-BIKE SPECIALIST IS REQUIRED.

Please read and refer to the following guide to correctly and safely assemble this model:

1. Before opening the box, lay the box down with the 'Super73' logo facing up. Opening the box in any other way may cause the inner contents to fall out, resulting in damage.



2. Remove the wheel box and set aside. Use a pair of scissors to carefully cut the tape holding the bike's plastic wrap together. Cutting too deep may damage crucial bike components.



3. We strongly recommend having a second person assist with lifting the bike out of the box; engage the kickstand and set the bike upright on a clutter-free floor space.



4. Remove the front wheel from its box (this is where that welcome kit is located!), loosen the wheel nuts and slide into drop out. Tighten the wheel nuts using a 15 mm socket wrench and tighten to a torque of 25-30 lb/ft.



5. Use a pair of flush cutters to cut all fluorescent yellow cable ties holding the handlebar to the frame and a pair of scissors to remove all the protective foam.



6. NOTE: WE HIGHLY RECOMMENDED TO HAVE A SECOND PERSON PLACE HIS/HER HAND UNDER HEADSET TO ENSURE COMPONENTS DO NOT FALL DURING ASSEMBLY.

Use a 6mm Allen wrench and a 13mm open-end wrench to remove the handlebar riser clamp hardware to install handlebars.



7. Reinstall the riser clamps with the handlebar centered and at desired angle. Make sure the handlebar harness rests between the handlebar risers and below the handlebar. Tighten the riser clamp bolts and coupling nuts to a torque of 15-20 lb/ft.



8. Install the brake levers using a 4mm Allen wrench to tighten the clamp bolt. Install the front brake lever on the right side, near the throttle, and the left brake lever on the left side. Route the brake lines in an appropriate manner that eliminates the risk of binding or pulling.



NOTE: THROTTLE SHOULD NOT BE ATTACHED TO CLOSE TO BRAKE LEVER.

NOTE: the following pictures dictate the factory recommended brake line and cable routing.



 Connect the handlebar harness, and all other connectors, by aligning the alignment arrows stamped on each connector. (RED TO RED, YELLOW TO YELLOW, BLACK TO BLACK) Double-check all connections starting from the motor controller, under battery tray, and following each electrical cable.

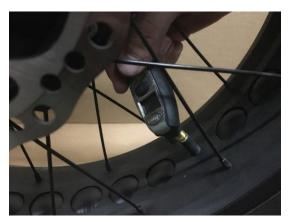


NOTE: CONNECTOR PINS ARE VERY SENSITIVE. LINE UP ARROWS ON MALE AND FEMALE CONECTORS TO ENSURE YOU DO NOT BREAK/DAMAGE PINS.

10. Install the pedals using a pedal wrench or a 15mm open-end wrench. Look for a small L/R on each pedal and install on corresponding crank. The right pedal is installed in a clockwise direction. The left pedal is installed by turning counter clockwise.



11. Final step, inflate the front and rear tires to 20 P.S.I. for street use, and 15 P.S.I for off road use.



Before going for the first ride be sure to review the pre-ride inspection list, and to wear the appropriate safety equipment.

Happy Riding!

5. Operating Your Super73

1. INSERT THE BATTERY

A. Make sure the battery is fully charged (the LED on the charger should be green).

B. With one hand on the frame, use the other hand to slide the battery horizontally onto the battery tray on the frame. Push it all the way in until it clicks.

C. Lock it in place with the provided key to prevent it from sliding out. Check the battery is secure.

D. Make sure the safety power switch on the underside of the battery is on (on the "1" side). For information on how to charge the battery, see page 6.

2. POWER-ON THE DISPLAY Disengage Kickstand (**Do Not sit on the bike with the kickstand engaged**) Seat yourself on the Super 73. Turn on the display panel by holding down the power button for a few seconds (1-3 seconds). Make sure the battery switch is on. The thumb display screen will light up. The throttle is now live.

3. SET YOUR LEVEL OF PEDAL ASSIST To select your level of pedal assist, press on the "M" button on your display. You have 3 levels of pedal assist.

Basic overview of pedal assist settings:

ASSIST 0 - No pedal assist.

ASSIST 1 - 50% of speed power - ECO

ASSIST 2 - 75% of speed power - MED

ASSIST 3 - 100% of speed power - HIGH

The higher the level, the more electric assistance you'll get, and the less you'll have to pedal.

4. TURNING ON THE LIGHTS To turn on your headlight and rear lights tap the power button once. Do the same to turn off.

5. TURNING OFF YOU BIKE When you are done riding your Super73 it is important to turn off the power properly.

A. Turn off the display by holding down the power button for 1-3 seconds

B. Turn off the battery by pressing the switch beneath the battery, should be on the "0"

6. 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.

SAFETY CHECK

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

2. BATTERY Check that the battery is inserted securely: push the battery into its holder until it clicks into the lock. Remove the key from the lock and pull the battery to check if it has indeed locked into place. Check the charge status of the battery. Familiarize yourself with the functions of all controls.

3. 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 pads 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.

4. LIGHTING: Check if the front and rear lights are working properly and if the front light is set correctly. Do not cover lighting and reflectors.

5. CABLES: Look out for any loose cables, ensure all cables are connected.

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

7. KICKSTAND: Make sure that the kick stand is tightly secured, and not rubbing against the ground or tires. (**Do Not sit on the bike with the kickstand engaged this will cause damage to kickstand and possible damage to frame. THIS WILL VOID WARRANTY**)

WARNING! Make sure the brakes are engaged 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.

WARNING! Do not place the key inadvertently or any other metal object into the charging port as this can result in a short circuit and render your battery nonchargeable and in need of replacement. (THIS IS NOT COVERED UNDER WARRANTY)

7. FIRST RIDE

Take your Super73 for a spin. THE BIKE IS POWERFUL AND WILL ACCELERATE RAPIDLY.

On a flat, clean surface like a street, with no head wind, you should be able to hit 26-27 mph. All bikes that leave our warehouse floor are tested to attain that speed.

Depending on the weight of the rider (160-200 lbs), you should be able to go 25-27 miles while using the throttle only, without pedaling. Use of pedal assist increases the battery range.

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 as well as increase wear and tear.

Battery Life:

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 Super 73 has been shipped to you along with the battery, please fully charge the battery first. **How do you know it's fully charged?** Battery is fully charged when the green LED light on the charging cable converter is green.

Lifting the bike: When lifting the bike, do not carry it from the battery pack, carry it from the frame, as otherwise this may damage the rack.

8. WHAT YOU NEED TO KNOW

GENERAL WARNINGS

Like any sport, bicycling involves risk of injury and damage. By choosing to ride a bicycle, you assume the responsibility for that risk, so you need to know, and practice the rules of safe and responsible riding and the proper use and maintenance of this bicycle. Proper use and maintenance of your bicycle reduces risk over injury.

Your bicycle is designed for use by person 16 years old and above.

Riders must have the physical condition, reaction time and mental capability to ride and manage traffic, road conditions, and sudden situations, while also respecting the laws governing electric bicycle use where they ride, regardless of age. If you have an impairment or disability such as a visual impairment, hearing impairment, physical impairment, cognitive/language impairment, or a seizure disorder, 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.
- Cross train tracks at a 90 degree angle or walk your bike across.
- 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. Ride in wet weather only if necessary.
- 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 deathor 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.

NIGHT RIDING

Be safe! It is recommended to not ride at night. Ride at night only if necessary.

- 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.
- Use flashing rear lights to increase visibility.
- Wear reflective and light-colored clothing.
- Slow down and use familiar roads with street lighting, if possible.

TIRE INFLATION AND REPLACEMENT

The Super73 has 20''x4.25'' rubber tires with inner tubes. The tires are designed for durability and safety for regular cycling activities. However, tires need to be checked before each use for proper inflation and condition. Proper inflation, care and timely replacement will help to ensure that your bikes operational characteristics will be maintained, and unsafe conditions avoided.

Lithium Cycles recommends 15-20 P.S.I. for the front and rear tires on the Super73 for street use. And 15-18 P.S.I. for off road riding.

It is critically important proper air pressure is always maintained in pneumatic tires. Do not underinflate or overinflate your tires. Low pressure may result in loss of control, and overinflated tires may burst. Failure to maintain the air pressure rating indicated on pneumatic tires at all times may result in tire and/or wheel failure. Inflate your tires from a regulated air source with an available pressure gauge. Inflating your tires from an unregulated air source could overinflate them, resulting in a burst tire.

When tire wear becomes evident or a flat tire is discovered, you must replace the tire (s) and/or inner tube (s) before operating the bike to avoid injury to operators and/or damage to your bike.

To prevent serious injury, ensure that all air pressure has been removed from the inner tube prior to removing the tire from the rim.

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. Additional safety information regarding helmets follows in the

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.
- Ensure that you comprehend all instruction and safety notes/warnings.
- 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.
- 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. Check proper operation of brake switches before riding.
- User must understand the operation of the twist thumb throttle and pedal assist sensors before using and taking ample care in their usage in respect to traveling at speeds appropriate for usage area and user experience level.
- Any aftermarket changes to your Super73 bike not expressly approved by Lithium Cycles could void the warranty and create an unsafe riding experience.
- Because e-bikes are heavier and faster than normal bicycles, they require extra caution and care while riding.
- Do not remove front or rear wheel reflectors.

9. MAINTENANCE

Regularly maintaining your Super73 is the best way to protect your investment. Proper maintenance is essential to your safety. It will also reward you with a more economical and trouble-free riding experience. Before maintenance and adjustments, make sure the battery is removed from the bike, and /or motor is turned off. Operate on a level surface. This will eliminate several potential hazards: injury from moving parts, electric shock, damaging of bike.

Read the instructions before you begin and make sure you have the tools and skills required. You should wear eye protection when working near the battery or using compressed air.

Brakes

See video on our website on how to adjust: <u>www.lithiumcycles.com/pages/owners</u> Like any new brakes, they need to be broken in. There is a break-in period. If you notice a squeal-like sound, it's normal. The brakes are naturally adjusting. It will go away. Depending on the frequency of use, you may need to replace the brake pads. You can purchase online brake replacement online or through Lithium Cycles.

Wheels

For optimum speed, wheels should be inflated to a minimum of 20 psi. Inspection: Every time you check for inflation you should also examine the tire for damage, foreign objects and wear. You should look for bumps or bulges in the tread or side of tire. Cuts, splits, cracks on side of tire. Replace tire if you can see fabric or cords.

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.

Oiling is not needed for the Super73 V2.

Cleaning

Clean the frame like any other vehicle you own with soap and water, using a soft cloth so as not to scratch paint. Take care to not spray electronic components directly with liquids.

10. Warranty Information

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 motorbike with a warranty against manufacturer's 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. The SUPER73-V2 frame and fork have a 1year warranty. All electronics (battery, controller, motor, display and other electric components) have a 90 day warranty. The Super73 is intended for use on paved road only.

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 Lithium Cycles directly or one of its 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 bicycle has followed all intended use purposes
- If the electronics have been repaired or modified.
- If the bike was assembled by a certified E-Bike specialist or Bicycle Dealer
- If product registration was submitted at: <u>https://www.lithiumcycles.com/pages/register</u>

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 Lithium Cycles 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 off-road or 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 Lithium Cycles 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 or rental operations.
- If electrical parts have been repaired or modified by a person not authorized by Lithium Cycles, all warranties are voided.
- Lost or damaged keys are not covered under warranty.

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:

- the drive chain or toothed belt
- the brake cables
- the rubber hand grips
- the sprockets, pinions or toothed belt discs
- the gear cables
- the tires
- the saddle seat
- the brake pads
- the 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 Lithium Cycles 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.