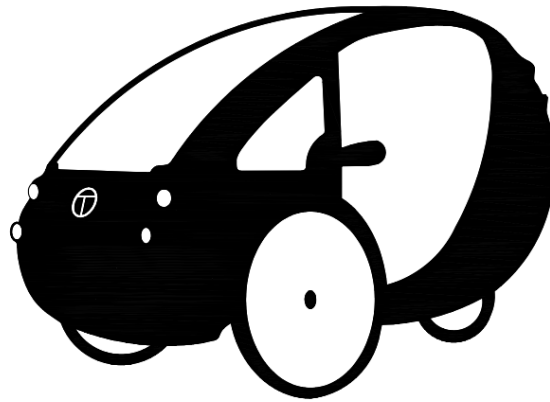


**ORGANIC
TRANSIT**

ELF 1.9



Owner's Manual

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We're glad to have you as a member of the Organic Transit family!

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Foreword

The ELF is built by Organic Transit, Inc. in Durham, North Carolina, USA. It is constructed with rugged, but ultra-light materials used in boats, aircraft, and bikes and should be ridden gently and with care to ensure a long and efficient life. This guide is constructed to help you get to know your ELF model smart-bike and enjoy it safely for years to come.

Manual Structure

Please note the following important points before riding your ELF:

- This is a general manual for the ELF 1.9; some of the equipment described may be optional or may not be included in all variants of the vehicle.
- Figures and illustrations may be slightly different from your vehicle. Please use all figures and illustrations as a general guide for all configurations of the ELF.
- On pages 1 and 2 you will find the *Table of Contents*, listing all the topics found in this manual in the order in which they appear.
- Directions and positions (left, right, front, and rear) will always refer to the orientation of the vehicle as seen from the rider's position.



WARNING

Any text with this symbol will indicate important information concerning the safe operation of your vehicle and how to reduce the risk of personal injury.



Note

Any text with this symbol will help to clarify some of the text within this user manual as well as give more insight into the nature of the equipment installed in the ELF.

Safety

General Notes on Safe Driving

The ELF is an ultra-efficient transportation device unlike anything else you have ever ridden. It is essential that you take the time to get to know your ELF inside and out before attempting your first ride.

WARNING

Do not attempt to ride your ELF until you have read and understood all instructions and warnings in this manual. Operators must exercise good judgement and common sense to detect and avoid hazards.

WARNING

If you have health concerns, please discuss them with your doctor before driving the ELF. If your doctor approves, work up your endurance with moderate goals until you are able to cover the distance you want.

To reduce the risk of serious injury or death, please adhere to the following guidelines:

- Never operate your ELF while under the influence of drugs or alcohol.
- When coasting down hills, use brakes to maintain a safe speed.
- Make sure the push-down lever for the seat is in place (pushed down) prior to riding.
- Familiarize yourself with the controls before operation.
- Maintain appropriate and safe speeds for the given conditions. See *Adverse Conditions* on page 6 for more information.
- Reduce speed when turning corners and make gentle arcing turns to avoid loss of control. The ELF can roll over if turned sharply, even at low speeds.
- Be aware that releasing the throttle may not slow the vehicle.
- Wear closed toed shoes with wraparound heel (no sandals or flip flops). Do not wear high heels.
- Make sure shoelaces are tied and cannot be caught in the chain.
- Use mirrors; be aware of pedestrians and other vehicles.
- Check that tires are inflated to designated tire pressure printed on tire wall.
- Always wear a protective helmet.
- Ensure that nothing is on the roof and that all hatches and items are secured.
- Always obey the rules of the road and respect your fellow travelers.
- **Always keep feet on pedals while the vehicle is in motion - placing feet on the ground while riding could result in serious injury.**

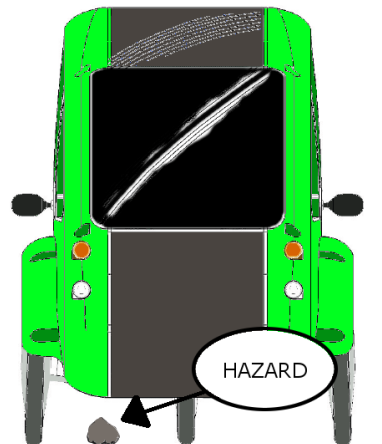
Adverse Conditions

We recommend that you avoid riding in the conditions listed below, but if necessary, use caution and pay attention to the possible dangers listed.

- High Winds: may cause swerving and loss of control
- Heavy Rain: may impede visibility and create hazardous road conditions
- Snow and Ice: may make road surfaces slippery and increase stopping time
- Fog or humid conditions: may obscure visibility

Avoiding Road Hazards

When encountering road hazards, steer the ELF so that the hazard passes beneath either pedal (left or right). This will allow the rear wheel to avoid contact with the hazard and give you a more comfortable ride.



Avoid deep puddles and moving water. If riding in wet conditions, check to make sure the battery is dry when you complete your ride, wiping dry if necessary.

WARNING

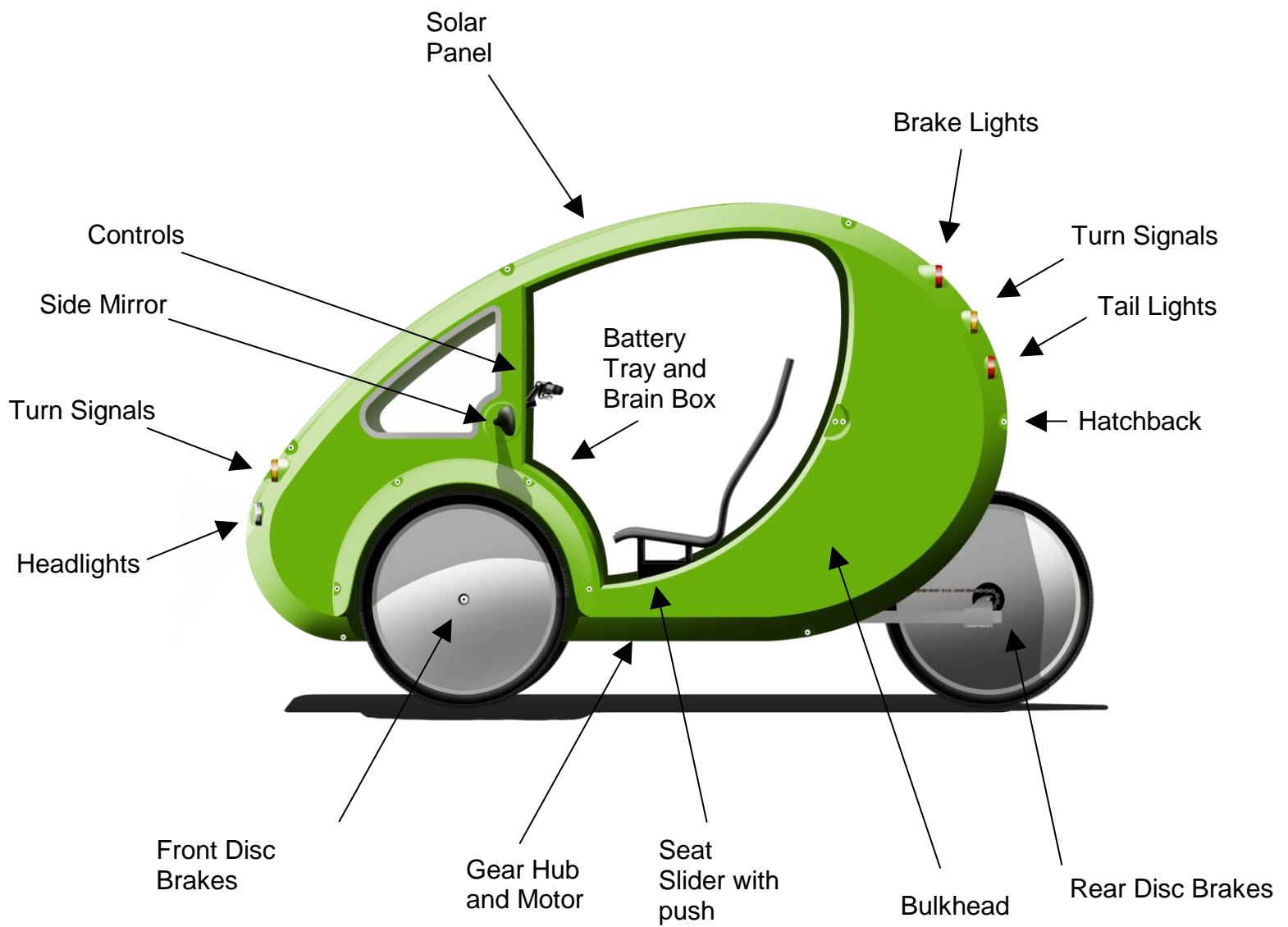
This vehicle is not intended for use in off road conditions.

WARNING

It is not possible to list every potential hazard or circumstance you may encounter while driving your ELF. Exercise common sense and good judgement to avoid causing harm to yourself or others.

Equipment and Controls

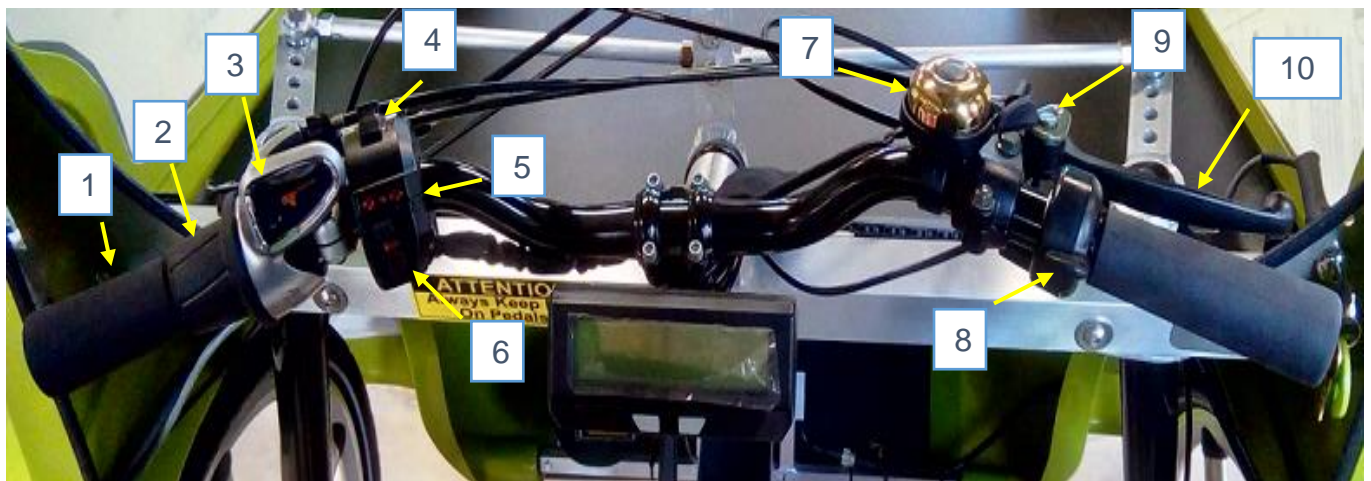
The ELF: An Overview



Know Your Controls

The ELF uses only a few, easy to use controls, but it is important that you take the time to familiarize yourself with them before attempting your first ride. Use the diagrams below to identify and locate the following items:

#	Control	#	Control
1	Rear Disc Brake	6	Horn
2	Gear Shift	7	Bell
3	Gear Display	8	Throttle
4	Lights	9	Parking Brake Pin
5	Turn Signals	10	Front Disc Brake



***i* Note**

The front disc brake lever (right) provides 70% of your stopping power. The rear brake lever (left) provides additional stopping power, but will primarily assist in immobilizing the vehicle when parked.

The controls shown above are for the standard ELF 1.9, which is equipped with a parking brake on the right-side handle. (See *Parking* on page 14 for additional instructions on use.)

Vehicle Operation

Before You Get In

Do a simple ABCDEF safety check:

1. Air Pressure: Check tire pressure and inflate as needed to the recommended pressure listed on the tire wall.
2. Brakes: Make sure that squeezing the brake handles about halfway engages the brake completely.
3. Chain: Make sure the chain moves smoothly, is well lubricated, and is free of rust.
4. Damage: Look for loose or damaged parts, foreign objects, or other potential hazards.
5. Electricity: Make sure the battery is properly connected and secured in the vehicle.
6. Familiarize: Locate the horn, bell, lights, turn signals, throttle, and gear shift (see *Know Your Controls* on page 8).

If you have problems with any of the ABCDEF checks, take your ELF to a bike mechanic or contact Organic Transit support. Please see *Service and Warranty* on page 23 for more information.

Getting into the Vehicle

Make sure that the seat is far enough toward the rear to be out of the way but not so far that you cannot sit down easily. Refer to *Adjusting the Seat* on page 10.

Step in with your foot nearest to the ELF and place your foot on the drop axle or ground, whichever is more comfortable. The axle can easily support the weight, but taller riders may find it more comfortable to use the ground. See location of drop axle in photo below. If your ELF has floorboards, you may step on this flooring as it is load-bearing. Sit down and bring in the other foot. Place both feet securely on pedals.



WARNING

Do not step on plastic panel inside door (labeled "Do Not Step")

Before Riding

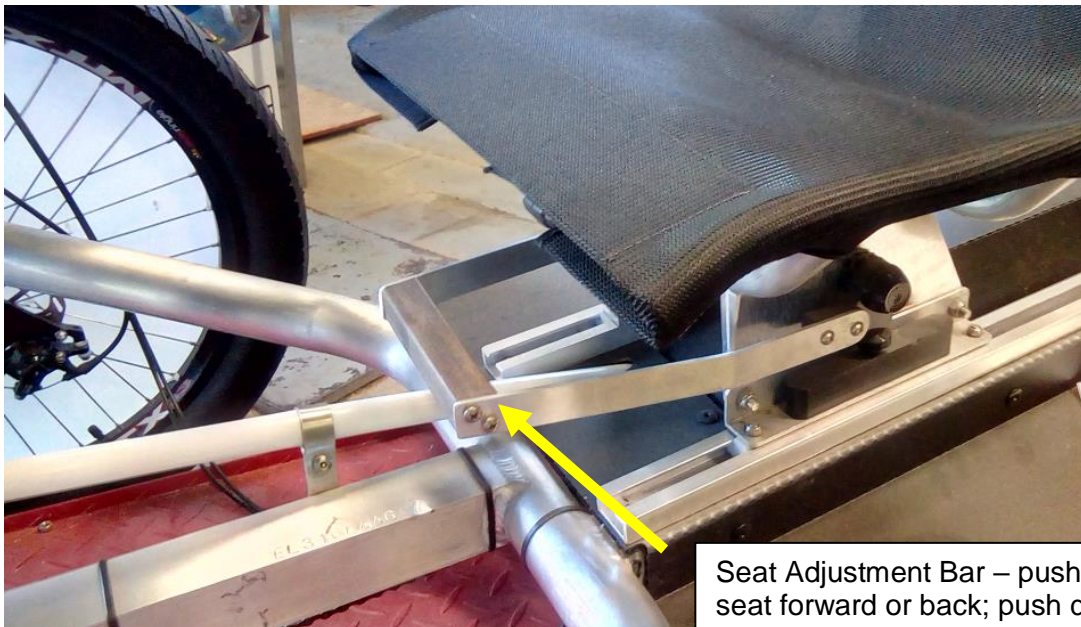
1. Remove all loose items from your pockets and stow securely.
2. Always wear a helmet.
3. Check side-view mirrors for positioning.
4. Turn key to engage battery. (Located to the right of the handlebars.)
5. Test horn and bell.
6. Disengage parking brake.
7. Check for hazards, obstacles, pedestrians, traffic, etc.

Taking Your First Ride

Adjusting the Seat

Sit in the vehicle and pedal backwards to check that your feet comfortably reach the pedals, and that your knees do not bump into the dash strut. Adjust seat as needed until you find a secure and comfortable position for your ride. Keep in mind that if you sink lower into the seat while riding, your knees may rise up, so be sure to keep a few inches of clearance between your knees and the dash strut.

To adjust your seat, stand up to remove your weight, make sure the seat adjustment bar is pushed up, and slide the seat forward or backward until it is in the desired position. Then push down on the bar to secure the seat in place.



Seat Adjustment Bar – push up to move seat forward or back; push down to lock into place.

Riding Your ELF

1. Start out slowly, using just the pedals to move forward. (Apply the throttle slightly if necessary to gain forward momentum. Also note that battery life can be substantially extended by pedaling to get the ELF moving, instead of solely relying on the assist.)
2. Make slow arcing turns to feel how the ELF handles and to get comfortable with the steering.
3. Test brakes at slow speed at first. While the ELF's dual disc brakes offer superior stopping power to calipers, sudden or excessive braking will make for an uneasy ride and can shorten the life of your brakes. Applying brakes too hard in wet conditions may cause skidding.
4. Apply gentle and even pressure to the thumb throttle to accelerate using the motor. Releasing the throttle will stop the motor but may not slow the vehicle. Use caution and do not exceed a speed appropriate for the conditions and terrain. **Always reduce speed for turns.**



WARNING

Always keep feet on pedals while the vehicle is in motion. Placing feet on the ground while riding could result in serious injury.

Understanding the 3-Speed Hub

The standard ELF comes equipped with an internal SRAM 3-speed hub, which is controlled by the gear shifter on the left handlebar. Position 1 is the lowest, or easiest gear, and position 3 is the highest or fastest gear.

The gear you are currently using is indicated by a number in red. As you change gears, the numbers will change from clear/grey to red. SRAM 3-speed hub gears can be changed while the ELF is at a full stop or while moving, but it is recommended that you ease off the pedals while shifting. Do not remove your feet from the pedals, but do reduce pedaling speed and pressure or momentarily pause pedaling.

On non-electric bikes, the gear shifter is usually located on the right handlebar grip. Because the ELF has a throttle on the right handlebar grip, the gear shifter is positioned on the left handlebar grip, and the gear indicator display is upside down.

Shifting to Higher Gear

Shifting to a higher or faster gear increases the resistance and makes the ELF harder to pedal, which is good for cruising on flat ground or downhill. Shift to a higher gear by rotating the shifter

grip away from you while pedaling forward. You may notice that it becomes harder to pedal at low speeds and on hills when in higher gear. The display will indicate a red "2" or "3" to show that you are in higher gear.

Shifting to Lower Gear

Shifting to a lower or slower gear makes the ELF easier to pedal, so it is great for starting out or climbing hills. Down shift by rotating the shifter grip toward you while pedaling forward. The display will indicate a red "1" to show that you are in the lowest gear.

Understanding the optional NuVinci N380 Continuously Variable Transmission (CVT)

Changing gears with your N380 hub is simple: rotate the shifter grip while pedaling. The graphic display shows a hill for slower speeds and a flat line for faster speeds. Please note that the display is inverted on the ELF. For more detailed information on the NuVinci N380, visit:

<http://www.nuvincicycling.com/en/products/nfinity.html>



WARNING

Do not over-rotate the shifter for the NuVinci. When you feel friction, stop to avoid mechanical failure. Be sure to pedal lightly while shifting to avoid detaching the shifter cables.

Shifting to Higher Gear

Shifting to a higher or faster gear increases the resistance and makes the ELF harder to pedal, which is good for pedaling on flat ground or downhill. Shift to a higher gear by rotating the shifter grip away from you while pedaling. You may notice that it becomes harder to pedal at low speeds and on hills when in higher gear. The line on the display will become more flat (like flat ground), indicating that you are in higher gear.

Shifting to Lower Gear

Shifting to a lower or slower gear makes the ELF easier to pedal, so it is great for starting out or climbing hills. Shift to a lower gear by rotating the shifter grip toward you while pedaling. The line on the display should show more of a curve (like a hill), indicating that you are in lower gear.

Using the HARMONY SHIFTER (if equipped)

http://www.fallbrooktech.com/sites/default/files/videos/HarmonyOM_EN_Web.pdf

Using the CycleAnalyst® (if equipped)

The CycleAnalyst® is an advanced bicycle computer that can help you track your speed, mileage, battery level and energy consumption.

Basic Button Navigation

- Press right/left buttons to navigate Status or Setup Screens.
- Press/hold left button to enter Setup.
- Press/hold right button to reset trip statistics.
- From the 'Trip Regen Stats' status screen, press/hold right button to reset peak trip statistics.

Status Screens

There are eleven Status screens on the which display information grouped by function. Some information (e.g. speed, Amps) is displayed on more than one screen to give the operator a more comprehensive view without changing screens. Due to the design of the ELF, screens 3 and 5 do not apply and should be ignored. The status screens are shown below; press the left or right buttons to navigate through them on the CycleAnalyst®.

1 - Main Display 	2 - Instantaneous Power Summary 	3 - Instantaneous Pedal Assist Summary
4 - Trip Power Statistics 	5 - Trip Pedal Assist Statistics 	6 - Trip Regen Statistics
7 - Trip Voltage / Amperage Statistics 	8 - Trip Time / Speed Statistics 	9 - Distance Statistics
10 - Battery Statistics 	11 - Diagnostic Screen 	Status Screen Summary

Setup

The CycleAnalyst® will arrive set up if it was installed by Organic Transit. If the CycleAnalyst was user-installed, please refer to the *CycleAnalyst V3 User Installation Manual* for setup instructions:

<https://endless-sphere.com/forums/viewtopic.php?p=571345#p571345>

Handling the ELF

Turning

Make gentle, wide turns at low speed. Avoid making sharp turns. Avoid engaging the throttle with the wheels sharply turned. Failure to follow these guidelines may result in a dangerous loss of control. Take the time to familiarize yourself with how the ELF handles and turns in a controlled environment before joining traffic.

The ELF has a large turning radius of about 11 feet. Make sure to plan accordingly when riding as it may be difficult to maneuver out of tight spaces. Backing up may help to complete the turn.

Always use the turn signals when making turns. Make sure to return the turn signal control to neutral once you have completed the turn as the signal will stay on until you change it.

Always ride at appropriate speeds for the road conditions. Increased speed increases risk — exercise good judgment to stay safe.

Reversing

The ELF does not have a reverse gear. To reverse, make sure the vehicle has come to a complete stop and place your feet on the ground. Then simply push the vehicle backward using your feet; we like to call this “Flintstone Style.”

Stopping

Engage the brake (right hand is 70% of braking power) by squeezing the brake lever. Try to use even pressure to avoid jarring stops. Under wet conditions, the stopping power of the ELF is significantly reduced and tires do not grip as well. Ride more slowly and brake earlier in wet or icy conditions.

Parking

Remember to always engage the parking brake and turn the wheels toward the curb when parking the ELF. The parking brake should aid in immobilizing your ELF, but additional steps may need to be taken to prevent rolling, particularly on steep or slippery terrain. Always make sure your ELF is securely parked before leaving.

To activate the parking brake, squeeze the right-hand brake lever fully, maintain pressure and push in the pin (located on the brake lever), then continue to hold in the pin while releasing the brake lever. To release the parking brake, squeeze lever and the pin will release and pop up automatically. (See pictures below.) **Remember not to park on too steep of an incline.**

Parking Brake Engaged:



Parking Brake Released:



Understanding Your Battery

The standard 16Ah battery pack is enclosed in the plastic case shown below. (The older model 11Ah and 15Ah batteries are also enclosed in the same case.) Each battery pack consists of a lithium-ion NMC battery and uses a built-in Battery Management System (BMS).

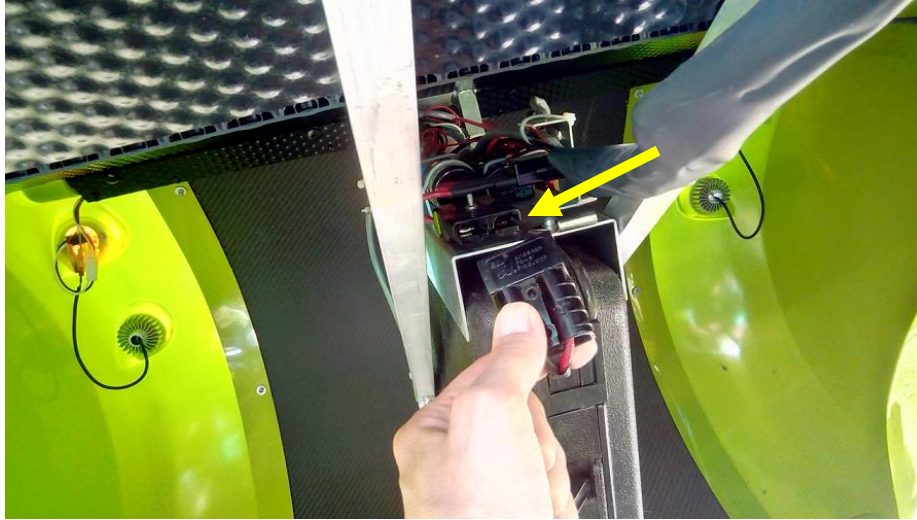


Battery Connections

The battery tray is located just above the pedal assembly, while the brain box sits on top of the battery tray. In order to power the ELF and allow the solar panel to charge the battery, you must load the battery with the connection point on top and the handle facing you. Plug it into the stationary connection secured on the top of the tray. The two Anderson connectors are designed to mate only one way and should snap into place. Then raise up the drawbridge and secure the latch to ensure that the battery is in place.

Carrying and Using Two Batteries

The battery tray can house two batteries back-to-back in a non-series connection (with the short side of the case against the bottom of the tray and the handle facing you). Otherwise a piece of foam is placed behind the first battery to keep it in place. Please note that if you are carrying two batteries, it will be necessary to manually switch the connections from the depleted battery to the full one (the two batteries are not connected).



WARNING

When disconnecting the main power connection, avoid personal injury on the surrounding elements - disconnect the connectors using a gentle wiggle/pull motion.

Charging Your Battery

Using the Wall Charger

1. Disconnect the battery from your ELF by holding the base of both connectors and gently wiggling and pulling the connection apart. Once the battery is disconnected, unhook the latch (which keeps the drawbridge vertically in place), lower the drawbridge, and carefully lift the battery out from the battery tray.
2. **Plug the battery wall charger into a standard wall outlet first.** You will need an adapter for use in countries outside the United States. You will see one red light and one green light appear. This indicates that the charger is on and ready for charging.



3. To charge your battery, connect the Anderson connector on the battery to the Anderson connector on the charger. Hold the base of both terminals and gently push them together until they click into place.
4. While the battery is charging, both indicator lights will be red.
5. Once the battery is fully charged (steady green light), **disconnect the battery from the battery wall charger first.** Then unplug the battery wall charger from the wall outlet.

Note

The battery wall charger must be unplugged between charges to work properly during charging.

Note

The 16Ah battery will charge in about 4 hours.
The older model 11Ah and 15 Ah batteries will charge in roughly 2.5 hours and 3 hours, respectively.

Full and Depleted Voltage Readings

A fully charged battery will display a reading of 54 volts. A reading of 48V indicates that it is time to charge the battery. (Technically the batteries can go lower than 48V and still power the vehicle, but 48V is a good number to be on the safe side.)

Testing with a Digital Multimeter (dmm)

If you do not have a CycleAnalyst installed to give you a battery reading, you may do your own battery testing with a digital multimeter (dmm) that can test Voltage DC. The most basic, cheap dmm can do this. Turn the meter on, and set the dmm selector to VDC, 0-50V. (Note that some types of dmm specify a voltage range and some do not). Then using your dmm's + and - probes, touch the negative and positive leads to the negative and positive leads of the battery's Anderson connector. The dmm will display your voltage reading. See image below. **Use caution to not short out the battery by touching the probes together while testing or it will arc and spark, potentially damaging the multimeter and the battery.**



Using the Solar Charger

Once the main power connector on the battery is plugged into the ELF, the solar charger will begin charging the battery. There are no extra connectors that need to be plugged in.

Keeping the solar panel clean is crucial in efficiently harnessing the power of the sun. Please refer to *Cleaning* on page 21 for more information.

Note

Do NOT rely entirely on solar charging, even if you live in a very sunny climate. The sharp spike of current from an electrical outlet enables the cells within the battery to perform at their optimum. **We recommend charging the battery with the wall charger at least one time per week.** This will increase battery longevity and performance.

How to Get the Most Out of Your Battery

Follow these tips to maximize the miles you get out of each battery charge:

- Using the throttle to start from a dead stop requires a lot of energy and greatly increases the load placed on the battery. Though it may take some effort, try using the pedals to get your ELF rolling before engaging the throttle to save battery power.
- Use the pedals to maintain speed as much as possible, saving the motor for uphill climbs.
- Look for opportunities to coast or pedal to maintain speed without using the throttle.
- When approaching stop lights/signs, coast to a stop.
- **Do not leave the battery uncharged for longer than one month, even if you are not regularly using your ELF. Regular charging maintains battery health.**

Note

Temperature change can affect battery efficiency. Battery capacity may be drastically reduced when used in temperatures ranging from 0 to 30°F (-18 to -1°C). If you store your ELF outside and live in an area with extreme cold or heat, it is best to bring your battery in with you at night.

Remember to pedal. It's fun, good for you, and extends the range of your battery.

Care Instructions



WARNING

We do not recommend using a plastic tarp to cover and store your ELF, as direct contact with the tarp material will cause damage to the clear window and windshield plastic.

Drivetrain

Chains and cables need regular lubrication. Use a high-quality lube available at bike shops. The internally geared NuVinci Hub does not need lubrication. For more detailed information on your NuVinci Hub, visit <http://www.nuvincicycling.com/en/products/nfinity.html>

Wheels and Tires

Make sure tires are inflated to proper tire pressure listed on the wall of the tire. Proper inflation will ensure your tires last longer and you enjoy a smoother ride. Proper inflation also improves battery range.

Battery

Periodically examine your battery case for cracks, holes, and other signs of wear. It is important to protect the internal components from moisture – all cracks and holes in the external plastic shell should be repaired immediately using a water-resistant tape such as duct tape or similar.

Keep the battery tray in the ELF clean and dry. If the battery gets wet during operation, be sure to remove and dry all parts once you have reached your destination.



WARNING

Avoid dropping, jarring, puncturing, or otherwise damaging your battery, as this can cause permanent internal damage.

Brakes

Brake cables experience a break-in period over the first 50-75 miles. Cable stretching can be adjusted by the ELF owner, or by a professional bike mechanic.

We recommend adjusting the brakes once per week – see suggested videos cited at end of this manual for assistance.

Shifting

Shifter cables experience a break-in period during the first 100 miles; you may need to adjust them occasionally. For instructions on adjustments, see suggested videos cited at end of this manual, email the Organic Transit service department at support@organictransit.com, or visit your local bike shop.

Cleaning



WARNING

Always remove the battery before washing your ELF. Make sure the battery tray is dry before reinstalling battery.

1. Side Body Panels

- Clean with water and a soft cloth.
- The plastic manufacturer recommends Novus 2 polishing compound to repair minor scratches. <http://www.novuspolish.com/>

2. Clear Panels (Windshield, Side Windows, Rear Hatch)

- Thoroughly rinse with warm water and mild soap using a microfiber/soft cloth or sponge. To prevent water spots, thoroughly dry the glazing with a clean chamois or moist sponge. If you use the same cloth for regular cleaning, be sure that it is cleaned before every use so that no small grains of dirt or debris linger, which could scratch the surface of the windshield.
- **Never use abrasive rags or cleaners.** These may scratch your windows and reduce visibility. Ensure that the cloth you use has no small grains or dirt hidden within it.
- Avoid cleaning in direct sunlight to prevent streaking.
- The plastic manufacturer recommends Novus 2 polishing compound to repair minor scratches. <http://www.novuspolish.com/>

3. Drivetrain

- Lubricate chains on a regular basis using a quality chain lubricant.
- Wipe chain down after rides, especially after harsh weather (rain, snow).

4. Solar Panel

- Clean with water and soft cloth.
- Clean panels promote efficiency. Regular removal of dust/pollen/etc. with a static duster is recommended for maximum efficiency.

Transport

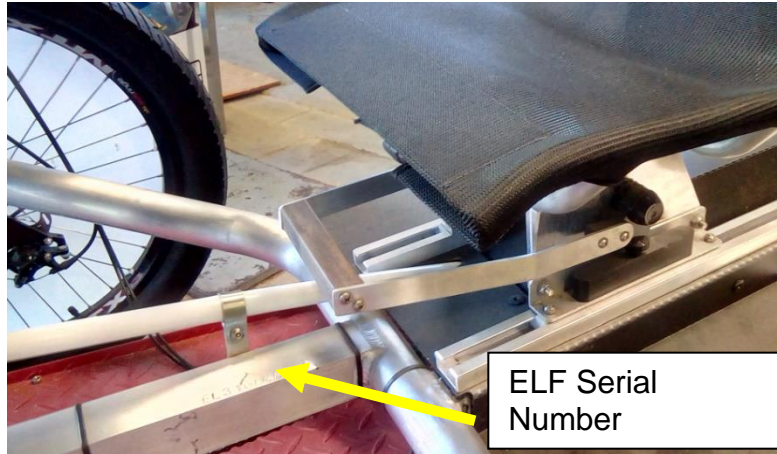
Organic Transit only recommends transport of your ELF in an enclosed trailer or truck. Exposure to high winds in an open truck or trailer can cause damage to your ELF. The dimensions are roughly 9' long x 4'0.25" wide x 5'1" tall.

Security

When leaving your ELF unattended, we recommend that you first remove the ignition key and then lock your ELF. To do so, we suggest using a U-lock with a cable attachment to run through the rear tire or a portion of the frame and around a post or bike rack to prevent it from being stolen. You may also secure the U-lock through the pedal crankset and around the frame as shown below.



We also recommend that you make a note of your serial number whenever you purchase your ELF. If your ELF is stolen, the serial number will be very helpful in trying to recover the vehicle. The serial number is etched into the frame of the ELF between the pedals and the seat.



Online Resources

Links for ELF maintenance, repairs, and troubleshooting:

<http://organictransit.com/customer-service/instructional-links/>

<https://sites.google.com/site/elfowners>

<https://www.youtube.com/playlist?list=PLKolOzwXmzfZMOqZtFPmWTwSHvfUsYkK1>

<https://evmc2.wordpress.com/2013/10/09/elf-by-organic-transit-repairs-and-service/>

Service and Warranty

If you are experiencing a problem with your ELF, first visit the instructional links page at <https://organictransit.com/customer-service/instructional-links/>. This helpful page contains a list of written instructions and instructional videos that may be able to help you get your ELF in proper working order. If none of these resources address or resolve your problem, please send us an email at **support@organictransit.com** with the following information:

1. **In the subject line of the email: Your full name and ELF number** (located on the large metal bar in the center of the floor of your vehicle in front of the driver's seat)
2. Your telephone number and home address
3. Your sales receipt with clear evidence of the date and place of purchase, and a copy of the warranty
4. A brief but thorough description of the problem
5. Images and/or a short video documenting the problem

Limited Warranty Coverage Service Policy

For customers who are covered under Organic Transit's Limited Warranty, Organic Transit will work with the customer or their mechanic to help diagnose the problem and to determine what part or parts are needed.

Out of Warranty Coverage Service Policy

Customers who are no longer covered by Organic Transit's Limited Warranty Coverage can find several helpful written instructions, tutorials, and videos on the Instructional Links page at <https://organictransit.com/customer-service/instructional-links/>. Information on this page is continuously being updated to help customers or their mechanics diagnose their own problems, determine which replacement parts are needed, and guide them through the process of making repairs.

If a customer or their mechanic has reviewed all the resources on the OT website, but would still like to have OT help diagnose their problem and/or determine which parts are needed, there will be a minimum one hour diagnostic fee of \$91.38 (\$85.00 plus tax). If additional time is needed to diagnose the problem after the one hour mark, then the customer will be charged in 15 minute increments.

If a customer with an ELF that is out of warranty makes a request for diagnostic help, an invoice will be created and emailed to the customer. The invoice must be paid before the diagnostic process begins. If the troubleshooting/diagnostic process takes more than one hour, Organic Transit will contact the customer with an estimate of how much additional time may be needed. At that time, no further diagnostic work will continue without approval from the customer and a paid invoice.

Replacement Parts

To request a new part for your ELF, please send us an email at **support@organictransit.com** with the following information:

1. **In the subject line of the email: Your full name and ELF number** (located on the large metal bar in the center of the floor of your vehicle in front of the driver's seat)
2. Your phone number and home address
3. Name of the part; if you don't know what it is called, please describe the part
4. Picture of the old part that needs to be replaced – this step is VERY important because we must make sure we are getting the correct part to you

Legal

The ELF is a LOW-speed electric bicycle under U.S. Code Title 15, Chapter 47 Section 2085 and as such is eligible to travel on all U.S. roads open to bicycle travel.

“...The term ‘low-speed electric bicycle’ means a two or three-wheeled electric vehicle with fully operable pedals and an electric motor of less than 750 watts (1 h.p.), whose maximum speed on a paved level surface, when powered solely by such a motor while ridden by an operator who weighs 170 pounds, is less than 20mph.”

This section shall supersede any State law or requirement with respect to low-speed electric bicycles to the extent that such State law or requirement is more stringent than the Federal law or requirements referred to subsection (a) of this section.

IN NO EVENT SHALL ORGANIC TRANSIT BE RESPONSIBLE FOR DIRECT, INCIDENTAL, CONSEQUENTIAL OR PUNITIVE DAMAGES FOR PERSONAL INJURY, PROPERTY DAMAGE OR ECONOMIC LOSSES, WHETHER BASED ON CONTRACT, WARRANTY NEGLIGENCE, PRODUCT LIABILITY OR ANY OTHER THEORY.

Some states do not allow the exclusion or limitation of damages, so the above limitation may not apply.

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Notes