



EMINENT

CYCLES

OWNERS MANUAL

TABLE OF CONTENTS

2	.....	Introduction
4	.....	Intended Usage
5	.....	Unboxing
7	.....	Assembly
13	.....	Setup
30	.....	Operation
35	.....	Maintenance & Care
41	.....	Disclaimers
42	.....	Warranty

INTRODUCTION

Thank you for your purchase. We hope you truly enjoy your new bicycle, and we are thankful to be your brand of choice. To get things started, please go to [www.eminentcycles.com /Support / Bike Registration](http://www.eminentcycles.com/Support/BikeRegistration) and register your new bike purchase within 90 days to take advantage of the full warranty. If you don't register your bike within 90 days of purchase, the warranty will default to a limited 1 year warranty.

Our mountain bikes are technologically advanced high-performance products that use complex materials and engineered fitments. In order for our products to sustain their performance and safety, they will require periodic maintenance which may include repairs, parts replacement, or component replacement. This manual does not cover these types of repairs in detail. Eminent Cycles suggest these types of repairs are performed by a professional bicycle mechanic. Eminent Cycles does not warrant repairs, parts, or components, nor accepts liability for any maintenance done by non-professional bicycle mechanics.

If you encounter issues with your bicycle that aren't covered in this manual, please contact our customer service department at service@eminentcycles.com as they are eager to resolve your concern.

The following pages will provide you with the information needed to properly operate, tune, and maintain your new bicycle. If you require more information about this product or if you are missing anything, please visit our website at: www.eminentcycles.com.

Note: All Guides and OEM Manuals can be viewed or downloaded from our website under SUPPORT/ GUIDES & MANUALS section.

Warning: Read this owner's manual before riding your bicycle. Use of this bicycle is at your own risk. Bicycling can be a dangerous activity under even the ideal conditions. Proper maintenance and assembly of this bicycle could help reduce the risk of injury or damage.

Our Electric bicycles use the Shimano STEPS system and it is not serviceable by end consumers, any tampering will void the warranty. Always take your bicycle to a certified Eminent Cycles dealer if any issues arise.

This manual contains “Warnings” indicating a potential hazard condition or situation, which should not be disregarded. If ignored or corrective actions are not taken, this could result in damage, injury, or death. Be sure to read and understand all the sections of this manual.

Battery Warning: Our electric bicycles come equipped with a Lithium Ion rechargeable battery. The battery is integrated into the frame and can only be removed by first removing the motor and therefore the bicycle and battery are considered one for purposes of the manual. This bicycle/battery should only be operated and stored at temperatures between 0 & 120 degrees Fahrenheit. Any storage or operation outside of these temperatures could damage the battery. Batteries are designed to be waterproof, but do not submerge the system in water of any kind as this can also damage the battery. You can ride in the rain as the battery is protected from moisture and condensation. Do not submit the battery to violent impacts as this can damage the battery. Damaged batteries must not be charged, used, or transported. They can explode and/or cause fires.

INTENDED USAGE

This bicycle was designed for off road riding. Riding in more extreme conditions, increases the stress on every part of your bicycle and decreases the lifespan of the bike and its components. Avoid conditions that could increase stress to the frame and its components.

It is not possible to define a timetable for replacement of the frame or its components as this varies for each rider and the terrain they ride. A thorough inspection of your bicycle and components before each ride is recommended even if no crash has occurred.

Warning: Make sure you have reviewed and understood the warnings, instructions, and maintenance techniques required to operate your new bicycle before riding.

Warning: Riding an off road bicycle (mountain bicycle) is inherently dangerous and as the rider, you voluntarily assume the risk and responsibility that injury or death could occur.

We recommend that at all times, safety/protective gear be worn during bicycle operation (example: full face helmet, body armor, gloves, etc...).

Warning: Riding during the rain or through water can decrease initial braking functionality resulting in longer braking distances. Please be cautious when riding in wet conditions.

Warning: Severe off road riding, jumping, and stunt riding is extremely dangerous. Speeds can reach that of a motorcycle and therefore the hazards and risks are very high and similar. You voluntarily assume all risk and responsibility when riding under these conditions and Eminent Cycles does not warrant the bicycle frame or components for such activities.

Warning: Riding during night conditions poses increased risk and should be considered prior to riding.

UNBOXING

Note: If you have picked up your bicycle from a dealership, please skip to page 13 for bicycle set-up.

Warning: Before you begin the process of removing the bicycle and its components from the Bicycle Box, please read the complete “Unboxing” section first! Following these instructions will decrease the potential of detuning or damage to the bicycle and it’s components during unboxing and assembly.

The majority of this bicycle is shipped pre-assembled and pre-tuned from the factory. Minimal assembly and time is required to have a ready to ride bicycle. All tools and your specific suspension settings are included in this Bicycle Box.

Warning: The Bicycle Box must be laying on its largest side with the Eminent Logo and Text right side up along its sides (IMAGE 1).



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UNBOXING

Step 1: Open the Bicycle Box cover so that it is laying flat on the floor.

Step 2: Remove the Velcro straps that are holding the frame assembly to the base of the box. Do not remove the zip ties to the suspension just yet (IMAGE 2).

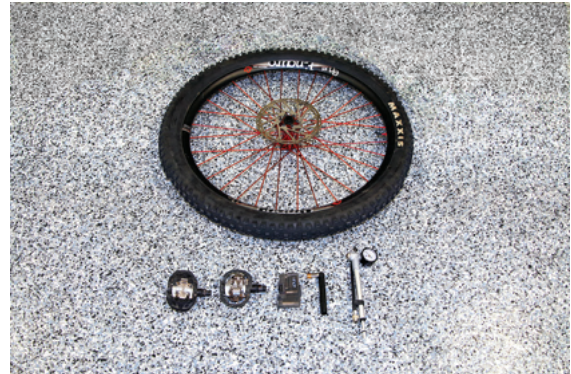
Step 3: Carefully remove the bicycle frame assembly from the box including the handlebars. Mount the frame assembly in a bike stand or lay the bike assembly down on a soft carpet floor. Gently place or drape the handlebars near the frame (IMAGE 3).

Step 4: Remove the front wheel and all the parts, tools, and paperwork included in the parts box. Place them near the frame assembly (IMAGE 4).

Step 5. Inspect the bicycle frame and components for damage and that your specific build is correct to your order per the invoice. If there are any issues, STOP and please contact our customer service at service@eminentcycles.com or give us a call.



3



4

ASSEMBLY

- 8 Handlebar
- 9 Front Wheel
- 10 Suspension
- 11 Pedals & Water Bottle
- 12 Assembly Check



1

HANDLEBAR

Familiarize yourself with the tools provided in the parts box (shock pump, torque wrenches, & multi tool).

Step 1: Remove the stem faceplate using the supplied torque wrench (IMAGE 1).



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Step 2: Position the handlebars on the stem and reattach the faceplate over the handlebars (IMAGE 2A). Tighten the bolts using the supplied torque wrench. Proper bar position is discussed in the Setup section (page 13) of this manual.



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Step 3: Insert the communications cable into the display until a click is heard (Image 2B). The cable will be coming out of the RT side of the frame in the head tube area just above the seat post cable.

FRONT WHEEL

Step 1: Unscrew the axle from the front fork and remove the Brake Caliper Spacer (IMAGE 4).

Warning: Do not pull the brake lever without the wheels installed as this could misalign the brake pads or damage the brake caliper.

Step 2: Place the front wheel in the fork with the disc side aligned to the brake (IMAGE 5).

Step 3: Reinstall the axle through the fork and wheel. Hand tighten the front axle and flip the quick release to lock the front wheel in place. The quick release has already been preset at the factory (IMAGE 6). If you have a non quick release, just finish tightening to the required torque (see back of manual for torque if not on the axle).

Step 4: Add **30 psi** to the front and rear tires using a bicycle pump with a presta valve adaptor.

Note: Your bike is set up with tubeless valves, tape, and seated tire beads. **NO SEALANT IS INSTALLED** in order to avoid a potential sealant leak during transportation. Sealant must be installed prior to any riding. You will find sealant in the tools box. Remove the valve stem on each wheel and pour sealant into the valve. Reinstall the valve stem and inflate to desired pressure. Once inflated, test ride outside to ensure sealant is uniformly distributed around the tire to seal all air leaks. **DO NOT RIDE ON TRAIL UNTIL YOU HAVE COMPLETED THIS STEP.** For more detailed instructions, watch the tubeless tutorial video located on our website under Support/Technical service videos.



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SUSPENSION



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Warning: Front and Rear suspension may be under pressure and will expand rapidly when the shipping straps are removed. Keep clear of the suspension when the straps are removed.

Step 1: Remove the shipping straps holding the fork arch to crown (IMAGE 7).

Step 2: Remove the shipping straps holding the Rear Suspension compressed (IMAGE 8).

Warning: The suspension is shipped without the proper air pressure and will need to be properly pressurized before the bicycle is ridden. See the Setup section (page 13) of this manual for proper suspension settings.

Step 3: Add **80 psi** of air to the fork and **170 psi** of air to the shock using the supplied pump. These settings are for initial setup only (IMAGE 9 - 10).

PEDALS

The right and left pedals have the opposite thread direction. Identify the right and left side pedal by an indication near the threads or the thread direction themselves. Install the pedals on the crank arms using the supplied Allen wrench (IMAGE 11).

Note: Pedals are an optional purchase at time of order. For clipless pedal operation, please reference the pedal's OEM manual found on our website.

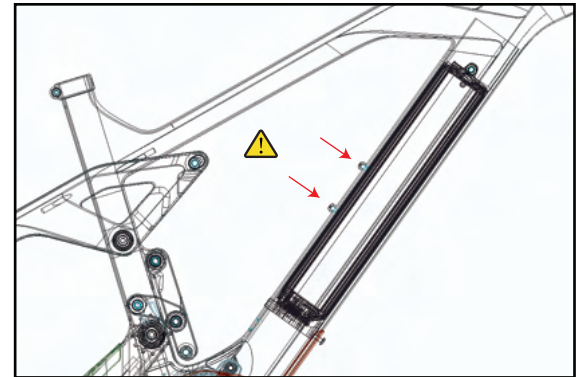
WATERBOTTLE (Drive only)

Water bottle mounts have been provided in the frame for mounting your favorite water bottle cage. It is important to understand, there is a battery just inside the frame and the bolts are sized properly (maximum length) to not hit or interfere with the battery. Bolts are measured at **8 mm** and come installed with **4 mm** spacers when no water bottle is present. If you opt to run a bottle cage the spacers should be removed. If you do not opt to run a cage keep the spacers installed. Also do not use longer length bolts as doing so may result in damage to the battery (IMAGE 12).

See introduction for battery warning on damaged batteries.



11



12



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ASSEMBLY CHECK

Step 1: If the bike is on a stand, spin the crankarm with one hand on the pedal and shift through the gears. Check for smooth shifts (IMAGE 13).

Step 2: Spin the crankarm again and apply the rear brake. Spin the front wheel and apply the front brakes. Make sure that nothing is binding or loose and that the brakes easily stop the wheels (IMAGE 14).

Step 3: Grab the front brake lever and push up and down on the front suspension. Make sure that the bars don't rotate, and the front suspension moves up and down with progressive resistance the harder you push.

Step 4: Put your elbow on the saddle and push down while holding the handlebars with your other hand. Make sure the rear suspension moves up and down with progressive resistance the harder you push.

Once you have completed assembly, move to the set up section to adjust the bike to your personal settings.

SETUP

- 14 Seat - Height & Position
- 17 Handlebar and Stem
- 19 Setting your Suspension
- 23 Onset Derailleur setup
(Dealer only)

SETUP

Setup instructions are a guide to help place a rider in a common starting position. These settings may not be final settings as riding style, terrain, and preference may vary. It is recommended that you ride the bike a few times on your typical trails to determine the final positions.

SEAT

WARNING: To prevent damage to the frame, it is important to have a minimum amount of seatpost inserted into the seat tube of the frame. The table shows the minimum insertion height for each frame size that should be maintained when setting the seat height.

Size	Min. Insertion Depth
All Sizes	100 mm

SEAT: HEIGHT

To achieve a proper bike fit, it is beneficial to locate the seat in the proper position.

Step 1: Extend the seat post to the highest position.

Step 2: Sit on the bike and use a sturdy table or wall to balance yourself. With your riding shoes on, place your heel on the pedals and rotate the crank so that one pedal is at the lowest position relative to your seated position. In this position your leg should almost be straight (not stretched) with a very slight bend in the knee. If not, your seat height will need to be adjusted (IMAGE 1).

Step 3: Adjust the seat height by loosening the seatpost clamp with the supplied Allen tool and slide the seatpost in the desired direction then retighten. Test the new position and adjust as needed (IMAGE 2).



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SEAT: POSITION



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When setting the seat position there are two adjustments to consider, the Angle and Horizontal position. The seat angle should be set first as this adjustment can change your horizontal position (IMAGE 3).

Step 1: To test the proper seat angle, sit on the bike while leaning against a wall and rotate your pedals around backwards. Take note of the seat comfort relative to the angle. Most of your weight should be on the back of the seat with very little on the front. A level seat is a common starting point.

Step 2: Adjust your seat angle by loosening the two seat binder bolts with the supplied Allen tool. Adjust to the desired position and retighten to **5 Nm**. Repeat step 1 and adjust as needed (IMAGE 4).

Step 3: Test the Horizontal position while riding on the street or trail for best pedaling comfort. To adjust, loosen the two seat binder bolts and slide the seat to the desired position while keeping the same angle. Retighten to **5 Nm**.

Note: Tighten the front bolt to drop the front and tighten the rear bolt to raise the front. Turn both the same amount to torque the final position.

HANDLEBAR

Step 1: Sit on the bike while leaning against a wall and observe the current handlebar position. A level handle bar is a common starting position. Level is indicated with the center line on the handlebar to the center of the stem faceplate (IMAGE 5).

Step 2: To adjust, loosen the stem faceplate bolts with the supplied Allen tools. Rotate the handlebars to the desired position while keeping the bars centered to the stem. Retighten and torque to **5 Nm**. Repeat step 1 and adjust as needed (IMAGE 6).

Note: For Valiant Stems, tighten the bottom faceplate bolts first to torque. Then tighten and torque the top bolts.

Step 3: At this point the brake lever, shift lever, and seatpost lever may not be in the desired location. Loosen and adjust the position with the supplied Allen tool, retighten and torque to **4 Nm**.



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STEM



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We have provided your bike with two **5 mm** headset spacers above and below the stem. This allows the up and down adjustment of the stem by a total of **10 mm** from the center position. If you feel that the handlebars are too low or high after adjusting your seat and bars rotation, you will need to adjust your stem height.

Warning: The front wheel must be on the ground before loosening the stem cap preload bolt and binding bolts.

Step 1: Remove the top cap and loosen the two binding bolts on the stem with the supplied Allen tool. If the handlebars are too low, remove a spacer on top of the stem and place it under the stem. If the handlebars are too high, remove a spacer under the stem and place it on the top of the stem (IMAGE 7 & IMAGE 8).

Step 2: Reassemble the top cap and preload bolt and hand-tighten. If the preload bolt is too tight it will add resistance to the steering movement.

Step 3: Align the handlebars to the front tire and tighten the two binder bolts to **5 Nm** using the supplied Allen torque tool. Repeat if needed to obtain the desired position.

SETTING YOUR SUSPENSION

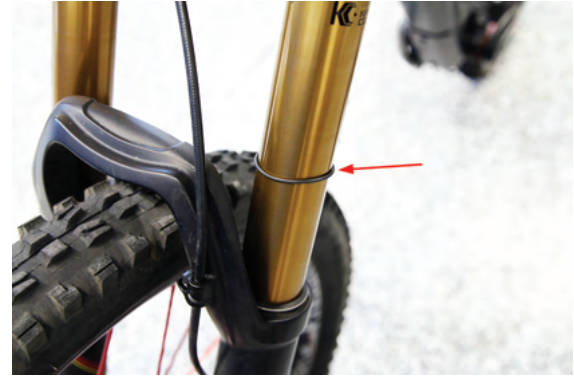
SUSPENSION: SAG

Sag is the amount of travel your suspension moved by adding a fully dressed rider (body, clothes, gear, packs, etc.) to the bicycle. Correctly setting sag improves the weight balance front to rear and allows the suspension to be in an active state. There are two things to consider when setting sag: rider position and the amount of sag.

First, review your bicycle's suspension specific OEM Manual located on our website. Take note on how the compression and rebound adjustments work for your suspension.

Note: It is highly recommended to have another person help you with setting the sag.

Note: There will be a rubber O-ring on both the fork and rear air shocks. This O-ring is used when setting sag for the fork and air shocks. There is no O-ring on coil spring rear shocks (IMAGE 10 & 11).



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SUSPENSION: SAG



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Step 1: Start the process by opening the compression setting on the fork and shock to fully open (normally turning the adjustment counter clockwise or outward).

Note: We recommend an “Active Riding Position” when setting the sag for an Enduro/Trail bike. The Active Riding Position is the neutral position you would be in when riding off of the seat, equal pressure on both your hands and feet (IMAGE 12).

Step 2: Properly positioning yourself on the bike so the sag is set based on your Active Riding Position. Bounce up and down on the bike in order to move the suspension. Finish bouncing in your active position and when the bike comes to rest, have a partner slide the O-rings to the suspension seals. Dismount the bike slowly as not to move the O-rings (IMAGE 13 & 14).

Note: For bikes with a coil rear shock, measure the length of the spring without a rider, then with a rider on the bike. Subtract the two measurements for the total sag amount. The recommended amount of sag for a coil and air shock are the same.

SUSPENSION: SAG

Step 3: Measure the distance from the new O-ring position to the seal on the fork and shock (measured gap). This is the current sag measurement. Note: it is common to push the fork to full extension for proper measurement (IMAGE 15 & 16).

The chart provided shows the sag percent relative to the measured amount in 5% increments (Examples: Haste & Onset). For full suspension bicycles, a recommended starting point for the Fork and Shock is 25%.

Note: For Air Suspension, Increase Sag by reducing air pressure. Decrease Sag by increasing air pressure. We recommend adjusting in **5 psi** and **10 psi** increments for the Fork and Shock respectively. When adding or subtracting air pressure, the negative air chambers must be balanced with the positive to get proper measurements. This is done by cycling the suspension a few times to get the pressure to balance, and often times, an air noise may be heard. This means the sag PSI will decrease once the pressure balances and therefore “top offs”. It may be required to get the shock back to normal sag, especially for PSI changes larger than **25 psi** for the bike to reach proper sag and equalize.

Note: For coil sprung shocks, turn the large preload nut that touches the spring in, to adjust the sag. An incorrect spring is indicated if 30% sag cannot be achieved. Typically 1 full turn is the minimum requirement once the preload nut contacts the spring.

Step 4: Repeat the process until you are able to get the recommended starting sag amount.



Haste and Drive MT	170mm Fork Sag	60mm Shock Sag
25%	42.5mm	15mm
30%	51mm	18mm
Onset MT	160mm Fork Sag	60mm Shock Sag
25%	40mm	15mm
30%	48mm	18mm
All LT Bikes	150mm Fork Sag	55mm Shock Sag
25%	37.5mm	13.75mm
30%	45mm	16.5mm
Onset ST	130mm Fork Sag	45mm Shock Sag
25%	32.5mm	11.25mm
30%	39mm	13.5mm

SUSPENSION: COMPRESSION & REBOUND

Compression and rebound settings tend to be very personal and vary greatly from rider to rider. For this reason we will explain the basics of setting these two adjustments and ask that you trial and adjust to your preference once out on the trail.

Note: Review your specific suspension OEM Manual found on our website for operation and adjustment. Adjusting compression and rebound damping on either your fork or shock restricts their ability to move through their travel freely. This is achieved by restricting oil flow through the circuits using the adjusters. Compression settings change the fork or shock's ability to easily compress under load or bump impacts. There are two settings that control this, High-speed and Low-speed compression.

Note: Not all forks and shocks have both High and Low-speed adjusters. If they don't, the setting is done internally from the factory and is not adjustable.

High-speed compression is used for large impacts, landings, and square edge bumps. Low-speed compression is used for slower rolling bumps and climbing. We recommend starting with both High and Low-speed compression adjusters fully open on the fork and shock. Ride your local trail and note the suspension feel. If the fork or shock seems too soft, goes through travel too quickly, or rides low, increase the specific compression adjuster that is related to the ride condition mentioned.

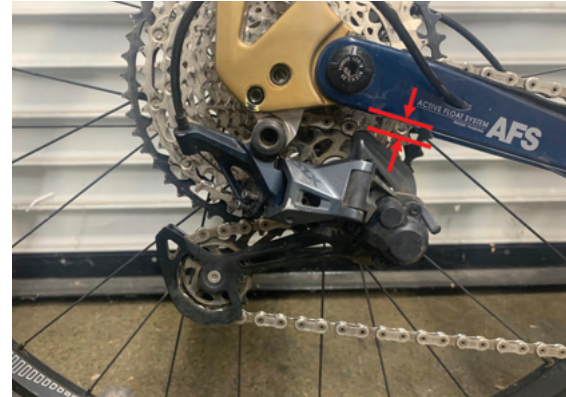
Rebound damping changes the fork or shocks ability to return to home position after compression. Rebound should be fast enough to return the tire to the ground as quick as possible for the best traction but not too fast where the bike wants to buck or hop when landing or hitting bumps. If this occurs, slow down the rebound. Keep adjusting until you get your desired result.

ONSET DERAILLEUR SETUP (DEALER ONLY)

When installing a new derailleur (in case of damage), the below steps need to be followed to ensure proper operation:

1. Chain length is cut at 116 links.
2. Install the derailleur as normal to the derailleur hanger (recommended to use blue Loctite on the threads).
3. Adjust the high and low limit screws to align with the cassette.
4. Compress the suspension completely by airing out the shock. Then, adjust the derailleur B tension screw until the derailleur is **6 mm** from the chainstay (IMAGE 17).
5. Air the suspension back to the desired pressure and tune the shifting with cable tension to achieve the proper operation.

17



In addition to the set up instructions in this manual, we also have videos to assist with some of these activities.

Please go to www.youtube.com/c/eminencycles and select your desired video. If you do not find what you are looking for, please check back as we are continually adding new content.

OPERATION - SHIMANO STEPS

- 25 ORIENTATION
- 27 OPERATION
- 27 ADVANCED OPERATION
- 28 TROUBLESHOOTING

ORIENTATION

The Drive e-Bike comes equipped with the Shimano Steps system installed for power delivery. To understand how to use the system, it is important to review the controls and general operation before riding.

To get started, identify the power and mode switches of the bike. The Power switch (IMAGE 1) is located at the front of the top tube close to the stem. The switch will illuminate green when on and no light when off.

The Mode switch (IMAGE 2) is located near the left grip. It is used for changing the modes of the power delivery for the Shimano Steps system. The modes range from walk to full boost and can be cycled up or down using the mode switch button (IMAGE 2). There is also a walk mode which we will cover later in this section.

The Display (IMAGE 3) will show which mode the system is operating in.

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ORIENTATION: CHARGING

To power the system, and make the Drive frame as slim as possible, Eminent developed a custom battery. This battery is mounted in the down tube and is only removable by removing the motor and the supporting battery mounts. As a result, the battery should not be removed unless serviced by a bicycle professional. The battery should only be charged through the charging port located on the downtube (IMAGE 4).

When charging the bike through the charging port, please use only the Eminent supplied charger (IMAGE 5), as other systems may overload or damage the battery cell. This charger can be plugged into a household outlet. When charging, the exterior light will flash red, and when charge is complete it will be solid green (IMAGE 6).

Note: The charger has an intelligent feature which shuts it off after charging is complete.

To complete the system orientation, there is a speed sensor mounted on the drop out plate at the rear of the bike (IMAGE 7), which monitors when to add support and when not to. The sensor does not need adjustment for the life of the bike, unless the cable or sensor become damaged.

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OPERATION

To start riding the bike, press the power button while standing still, to turn on the system. Confirm via the display that the battery has sufficient charge for your ride duration. When the system turns on, the mode will default to the off position or zero boost. This allows the bike to calibrate at zero movement for the time when the rider asks for boost. From this point any mode can be selected by the mode switch and the rider can begin riding. After initial “ON” procedure has been completed, the user can then switch between modes on the fly with or without stopping.

Note: When powering down the bike and back on again, the user must follow the same procedure to allow the system to calibrate. When pedaling the bike after the power on procedure, the user should feel the motor assist with the effort to pedal the bike in all support modes, except for off. If this extra power is not felt, please review the troubleshooting section for possible solutions and next step actions.

The Shimano Steps system is also programmed with a walk mode to assist when walking the bike up a trail or moving the bike while walking. To engage the walk mode, hold the mode down button and you will see the display show walk. Once the display shows walk, continue to hold the button down for the system to start moving. When you want to disengage the walk mode, simply release the mode button.

When the battery runs out of power, simply plug it in to recharge it per the above instructions.

Note: The bike can continue to be ridden if the battery runs out on the trail.

ADVANCED OPERATION

The Shimano Steps system allows the user to customize the mode switch, the display and the power delivery assist modes. To do this, please download the shimano E-Tube application on your phone and refer to the Steps manual for operation on the Eminent Website under Support/Guides & Manuals.

TROUBLESHOOTING

To troubleshoot an unresponsive system, It is important to understand how the system is connected together. For the system to operate successfully, all the electrical connections must be plugged in and undamaged.

See diagram (IMAGES 8 & 9) for detail of all handlebar and motor related plug in points.

IMAGE 8






-  Display to motor
-  Mode Switch to display

IMAGE 9

-  Power Switch to Motor
-  Display to Motor
-  Speed Sensor to Mount



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Note: To access the motor plug-in points, the external cover must first be removed.

See diagram (IMAGES 10 & 11).



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To troubleshoot an unresponsive system please review chart.

Problem description	Troubleshooting solution
System does not power on	<ol style="list-style-type: none"> 1. Plug in battery charger until battery is fully charged and check system operation again. If unresolved, move to step 2. 2. Check wiring integrity, all plug in points and then check system operation again. If unresolved, move to step 3. 3. Take bike to authorized Eminent dealer for further inspection
Battery is not charging	<ol style="list-style-type: none"> 1. Check to ensure that the recharge plug is fully seated into the recharge port (you will hear a click). If unresolved, move to step 2. 2. Take bike to authorized Eminent dealer for further inspection of battery charger
System is not providing expected boost	<ol style="list-style-type: none"> 1. Stop and turn system off. Power on while stopped and attempt riding again. If unresolved, move to step 2. 2. If powering on and off again doesn't resolve the Take bike to authorized Eminent dealer

OPERATION - REST OF BIKE

- 31 SHIFTING
- 32 SUSPENSION
- 32 BRAKES
- 33 DROPPER POST
- 33 PEDALS
- 34 SUPERBOOST KEYED AXLE

SHIFTING

Your bicycle is equipped with a thumb shifter and rear derailleur that are used to change the speeds and pedaling effort of your bicycle. The smaller gears on the wheel are for faster speeds and increasing pedaling effort, while the larger gears are for slower speeds and decreasing pedaling effort. Pressing the Upshift lever or Downshift lever on your handlebars will initiate a gear change. There is no “correct” gear to be in as this depends on the rider, fitness level & terrain.

If actuating the shift levers does not initiate a proper shift, or does not shift at all, or you hear a constant noise while pedaling, the shifting mechanism is out of adjustment and needs service. For simple out of adjustment situations, the rider can twist the barrel adjuster on the shifter (IMAGE 1) to realign the chain to the gears. Before adjusting, look at the rear of the bike and take note of the derailleur position relative to the cassette. The Derailleur gear should be horizontally aligned with the cassette gear (IMAGE 2). The barrel adjuster can move the derailleur either left or right relative to the cassette. If the rear derailleur does not function properly after adjustment, take your bike to the nearest bicycle shop for service or contact support at Eminent Cycles.



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SUSPENSION

It is recommended that you check and re-inflate the air pressure in both your fork and shock before each ride as needed. The high-pressure nature of the shock will generally require more attention than the fork. A decrease in suspension air pressure affects the handling, feel, and the ability for the suspension to absorb bumps for your weight.

Note: Refer to the Setup - Suspension section (page 19) of this manual for initial air pressure settings.

Note: For changes in compression/rebound settings during your ride, refer to your OEM Manual for operations & adjustments of your specific suspension.

BRAKES

All Eminent bicycles are equipped with disc brakes. They are tested to be the most reliable and have the highest level braking power of the available brake types. The front brake is on the left and the rear brake is on the right from the riders view point. Pulling the lever towards the bar activates the brakes and adds rolling resistance.

Warning: Overapplying the brake levers can cause the tires to skid and loss of control may occur which can result in personal injury. Refer to your OEM Manual for operations & adjustments of your specific brake.

DROPPER POST

Your bike has been supplied with a “Dropper Post” that raises and lowers with a lever on the handlebar. Typically, the seatpost position is fully extended for uphill riding (sitting), and lowered for downhill riding (standing). The post should easily lower with your body weight when the lever is pressed. You must remove your weight and press the lever to raise the post back to the up position. If the post is not activating or slipping, a slight adjustment may be necessary.

If the post is sliding down, the cable may be too tight and need to be loosened. Twist the barrel adjuster on the lever so that it looks like it is going into the lever. If the seat is not dropping or extending when pressing the lever, the cable may be too loose and need to be tightened. Twist the barrel adjuster so that it looks like it is coming out of the lever. Repeat the process until the seatpost is operating to the desired function.

Note: Please refer to the seatpost OEM Manual for specific operation and adjustment.

PEDALS

If you have purchased pedals with your bike, they are one of two types of pedals, flat or clipless. Each of these types of pedals are designed to improve engagement with the riding shoe of your choice.

Warning: For flat pedals, the grip pins can be sharp and extra care should be taken to avoid serious injury during operation.

For clipless pedals, riding shoes with mounting provisions for the cleat are necessary. Check to make sure the shoes and cleats are compatible. Once the shoes are mounted with the provided cleat, it is recommended that the user practice the motion of clipping in and out around a soft grassy area. This will minimize the potential for personal injury while getting familiar with your new pedals. Continue to practice clipping in and out until this motion is instinctive, then head out on the trails to practice. Most clipless pedal release pressure/points can be adjusted to your personal preference.

Note: Please refer to the pedal OEM Manual for specific operation and adjustment.

SUPERBOOST KEYED AXLE (excluding Onset)

The Eminent 157 Superboost rear end utilizes a unique keyed axle to lock the rear end together. As a result, the removal of the rear wheel differs from standard threaded axles. To remove, loosen the smaller bolt on the non-drive side with an allen wrench (M5). This bolt will self-extract the axle, which you will notice begins to protrude on the drive side. Once the non-drive side feels loose, pull the axle out on the drive side.

When reinstalling, be sure to line up the keyed shape of the axle and the dropout up, and push through until the axle stops. Then, using an allen wrench (M5) tighten the extraction bolt on the non-drive side to **6 Nm**. The axle head will snug up to the dropout on the drive side when complete.

MAINTENANCE & CARE

- 36 PRODUCT LIFE SPAN
- 36 CLEANING
- 37 STORAGE & TRANSPORTATION
- 38 MAINTENANCE SCHEDULE
- 40 MAINTENANCE LOG
- 41 TORQUE CHART
- 41 DISCLAIMER
- 42 WARRANTY

PRODUCT LIFE SPAN

Every bicycle and its components have a finite and limited useful life. The length of that life will vary with frequency of use, type of use, construction, materials, maintenance, and the care that the frame and components receive. Any unintended use or riders over 250 lbs for sizes small to large, or riders and bike over 300 lbs for a XL frame, can also dramatically shorten the life of the frame and components. Any combination of these conditions may result in an unpredictable failure. It is with this understanding that we recommend that the rider follow the maintenance chart for inspection & service to ensure safe operation of your bicycle and prevent injury.

Warning: When the useful life of your bike or its components is nearly over, continued use will be hazardous. Refer to the components OEM Manual for their life span, recommended maintenance, and replacement.

Warning: In the event of a crash, it is crucial that you inspect your bicycle prior to riding again for any deviations from the original condition (example: carbon impacts, fractures, or bent parts). This may result in unsafe riding conditions or loss of control resulting in personal injury. If you are not sure how to properly inspect your bicycle, we recommend contacting Eminent Cycles for service.

CLEANING

Clean your bicycle with a soft, moist cloth and a bicycle specific cleaner or a solution of dish soap and water.

WARNING: Do not use industrial solvents or harsh chemicals that can damage the paint or moving parts. Do not use high-pressure water.

Every three months, clean the frame finish.

STORAGE

Store your bicycle where it will not be an obstruction, and where it also has protection from dangerous conditions. Do not park your bicycle near machinery that emits ozone or exhaust, which can damage rubber and paint. Rain or snow can cause the metal on your bicycle to corrode. Ultraviolet radiation from the sun can fade the paint and crack the rubber or plastic on your bicycle. Before you put away your bicycle for an extended time, clean and service it and apply frame polish. Hang your bicycle off the ground with the tires at approximately half the recommended inflation pressure. Before you ride your bicycle again, be sure it operates correctly.

TRANSPORTATION

Eminent recommends transporting your bicycle via properly installed pick up tailgate pad or with a rack that is rated to adequately handle the weight of your specific bike or e-bike. We further recommend either receiver or roof rack “tray-style” racks that secure around the tires.

WARNING: Racks that clamp frames can cause frame damage. **NEVER** use a rack that attaches to a vehicle with strapping. Be aware of the exhaust location relative to rack and the bicycle. Heat from exhaust can become excessive and damage and / or deform racks, tires, and bicycle materials. Also, be mindful of the exhaust high heat when leaning bike by vehicle.

MAINTENANCE SCHEDULE

Inspection Area	Inspection/Comments	Frequency	After Every Ride	Every 50 Hours	Annually
Frame	Deep gouges, cracks, or discoloration. If observed, stop riding this bike and contact Eminent Service for support.		X	X	X
Frame Pivots	Looseness or binding. Retighten all pivot bolts to the torque specifications. If this does not resolve the issue, stop riding this bike and contact Eminent Service for support.			X	X
Wheel Axles	Check both front and rear axles are tight and the Quick Release is completely closed.		X		
Wheel Bearings	Check the wheels for looseness or rough free spin. If bearings are worn or rolling roughly, contact Eminent Service for support.			X	X
Wheel Trueness and Spokes	If the wheel is out of alignment or spokes are loose, contact Eminent Service for support.			X	X
Tires	Check both tires for pressure, foreign objects, or tears. Remove any foreign objects and adjust pressure. Check for leaks. If a tear is found, replace the tire.		X		
Seatpost Clamp	Ensure the seatpost is not loose or slipping. Reposition the post and Retighten the clamp bolt to the torque specifications.		X		

MAINTENANCE SCHEDULE CONT.

Inspection Area	Inspection/Comments	Frequency	After Every Ride	Every 50 Hours	Annually
Suspension: Fork & Shock Air Pressure	Reinflate to proper air pressure if needed.		X		
Suspension: Fork & Shock Operation	Ensure proper operation. Rebuild service is typically needed every 50 hours of use or annually. Refer to your suspension OEM Manual. Contact Eminent Service for rebuild support.		X	X	X
Brakes	Check brake brackets for looseness and retighten if needed. Grease rear brake slide bushing with synthetic grease every 10 hrs or if you hear creaking when pedaling.		X	X	X
Brake Operation	If the lever pulls to the grip without resistance or does not provide adequate stopping power, inspect brake pads. If the pads are in-spec, contact Eminent Service for support.		X	X	X
Seat Dropper Post Operation	If the post is not holding position after barrel adjustment, contact Eminent Service for support. Refer to your seatpost OEM Manual service intervals.		X	X	X
Handlebar, Stem, & Grips	Check all bolts. If found to be loose, retighten to torque specifications.		X		
Drivetrain: Chain, Cassette, Sprocket, Crank, Derailleur	Check for alignment or looseness and retighten bolts torque specifications. If Chain is dry, apply chain lube. If wear exists beyond OEM recommendations, replace component.		X	X	X

MAINTENANCE LOG

Date	Comments, Maint. Performed, Suspension Settings, Adjustments, etc.

TORQUE CHART

Item/Location	Torque		Blue Loctite
	N-m	In-lb	
Chainstay Pivot Bolt/Frame	12	106	Threads
Seatstay Pivot Bolt/Frame	12	106	Threads
Drop-out Pivot Bolts/Stays	12	106	Threads
Shock Mount Bolts	8	71	Threads
Front Axle	9	80	Threads
Rear Axle	12	105	Threads
Caliper Mount Bolts	6	50	Threads
Rear Brake Bracket Slot Bolt	5	44	
Stem Bolts (Valiant Stem)	5	44	
Grip Bolts	4	36	
Control Bolts (Levers & Shifter)	4	36	
Derailleur Hanger to Frame Bolt	4	36	Threads
Rear Derailleur Bolts	8	71	Threads
Seatpost Clamp Bolt	8	71	
Seatpost to Seat Bolts	5	44	
Shock Link Bolts	12	105	Threads

DISCLAIMER

We pride ourselves in adding the latest technology and product design updates as soon as they become available. Therefore, details described in this manual may differ from the actual product specification as purchased. Contact Eminent Cycles if you need more accurate specifications about your bicycle model.

Eminent Cycles LLC is not responsible for any damages to you, others, or any property resulting from riding, transporting, or any other use of this bicycle. If your frame breaks, malfunctions, or fails in any way, Eminent Cycles LLC shall hold no liability or duties outside the repair or replacement of the frame pursuant in the terms described in the warranty. In Purchasing or acquiring this bicycle, you agree to all terms and conditions outlined in this manual.

CALIFORNIA PROPOSITION 65 WARNING
WARNING: This product contains chemicals known to the state of California to cause cancer and birth defects or other reproductive harm.

WARRANTY

Limited Frame Warranty

Eminent Cycles warrants its frame and specific frame parts to be free from defects in materials and workmanship for a period of **3 years** to the original purchaser from the date of purchase. This warranty does not extend to or include components or parts subject to wear and tear or damage to paintwork/oxidization. Examples of such parts include but not limited to: bearings, seals, cables, guides, all drive components, suspension components, wheels, tires, grips, all lubricants, brakes, brake fluid, etc. This warranty does not extend past the frame. For component warranty periods, please reference the specific component OEM manual for information.

Should a bicycle frame be determined to be under warranty, Eminent Cycles will act in its own expense to remedy any defects that occur during the period of warranty. In the case of non-availability, we reserve the right to provide replacements in a different color/design or equivalent model from a later year. Other claims made on the basis of the warranty shall be excluded, such as compensation for; transport, assembly/disassembly, etc. Labor charges for other requests, such as unwarranted service or parts replacement during warranty work is not covered.

The following conditions apply with respect to the warranty:

The warranty shall not apply in circumstances where the bicycle exhibits damage or appearances of wear and tear caused by use which is improper, inappropriate, or unauthorized in accordance with the below categories:

1. Neglect of the product (insufficient care and maintenance).
2. Alterations to the frame or fork (e.g. engravings or painting).
3. Installation and conversions using additional components not expressly authorized by Eminent Cycles.
4. Ongoing operation of a bicycle with wrongly adjusted, defective or worn out bearings, or defective suspension elements.
5. Damage to the seat tube due to improper insertion depths (see chart in seatpost adjustment).
6. Unintended use such as competitive events, severe off-road riding, riding on severe terrain, riding in severe climates, riding with heavy loads above 250 lbs for small, medium and large size frames & 300 lbs for person and bike for size XL frames, commercial activities, and other types of non-standard use.

This Warranty is effective only on the purchase date of this model bicycle. Warranty for prior or future Eminent bicycles may vary.



EMINENT
CYCLES

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