



EN | ENGLISH
ATTENTION!
Read this manual before
first ride



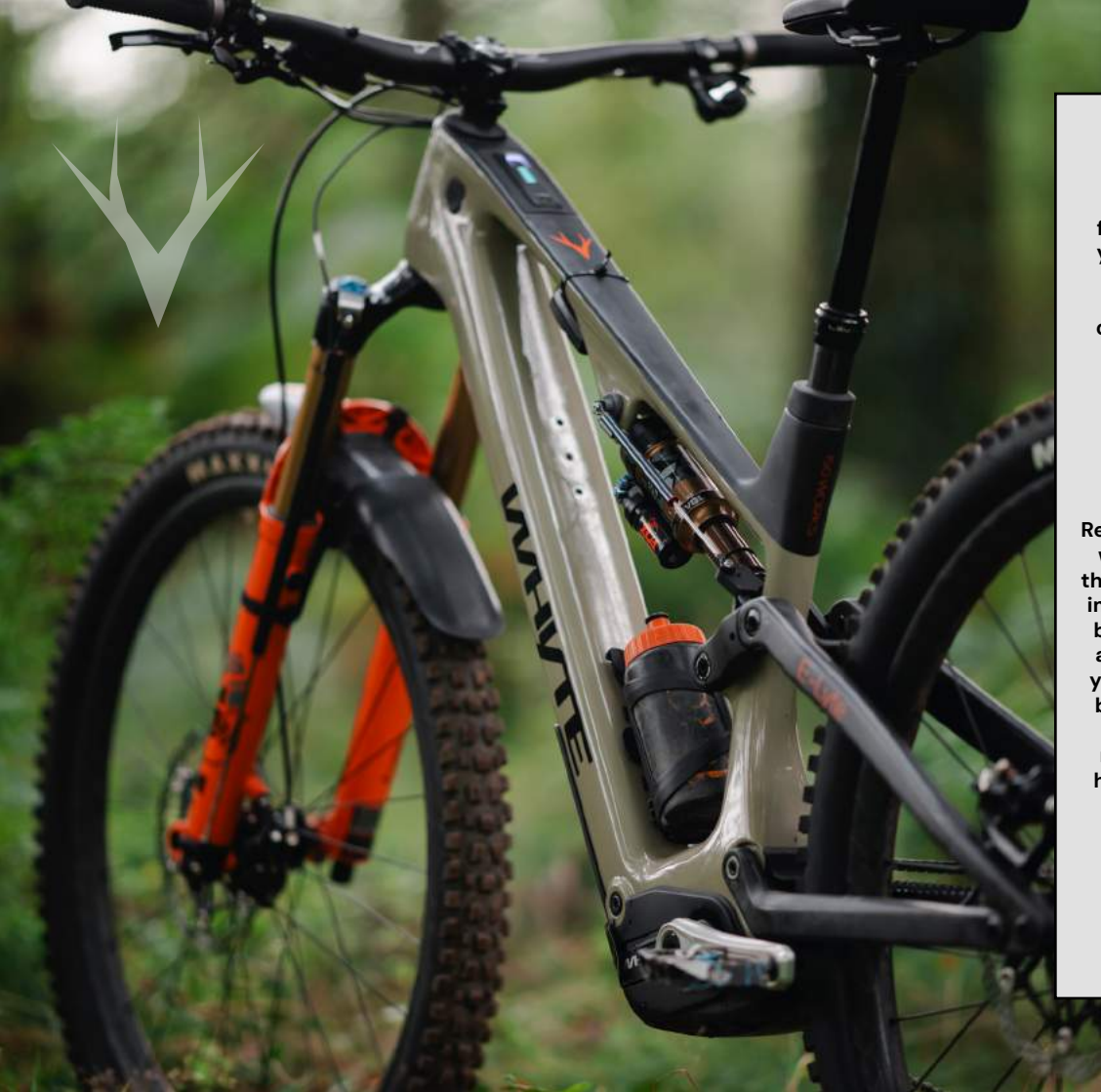
E-Lyte | 140
150



BOSCH

EPAC Owners Manual **Version 1.0 (2024)**

This document is not the complete manual for your EPAC. This manual contains important safety, performance and service information. Read it before you take the first ride on your new electric bicycle (eBike), and keep it for reference. Additional safety, performance and service information for specific components such as suspension or pedals on your eBike, or for accessories such as helmets or lights that you purchase, may also be available. Make sure that your authorised retailer has given you all the manufacturers' literature that was included with your eBike or accessories. This manual can be downloaded from our website to access all the updated relevant information about the use and care of this EPAC and it's components, as well as information about spare parts, apps, warranty terms, etc.



WELCOME

Welcome to the Whyte Bikes family. Before you get riding on your new **E-Lyte** please ensure you have read all the manuals provided with this product carefully. This manual contains important user directions and safety information to get you riding quickly and safely.

REGISTER

Registering your bike is the official way for us to welcome you into the Whyte Bikes family. It's also an important step in activating your bike's warranty. If you ever have an issue, we'll be able to handle your case efficiently and get you back riding as soon as possible.

It's easy and only takes a few minutes. Please follow this link <https://whytebikes.com/pages/registration>



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PLEASE NOTE: This manual was drafted in the English language and may have been translated to other applicable languages. This manual assumes that you have basic knowledge or experience of riding pedelecs/bicycles.

Thanks for choosing to purchase this Whyte product. We hope you will enjoy all the benefits of its advanced design and engineering.

This manual will guide you through the set-up, safety and operation procedures that are specific to your Whyte bike. Please read it carefully, it is essential you read this 'EPAC Owners Manual' for your own safety and others around you. Failure to do so could lead to damaging your product and injury.

Your Whyte Bike's component specifications that are fitted as standard may be obtained from the Whyte Bikes website www.whytebikes.com. Please remember, if you are in any doubt about your ability to safely assemble, service, or repair your Whyte bike, DO NOT RIDE IT and instead arrange for a professional bicycle mechanic at your local Whyte retailer to do the job correctly.

Bundled with this manual may be some of the respective manufacturers instructions and manuals for the branded parts that are fitted to your Whyte bike. Please take time to study all the relevant instruction manuals to ensure you have a continually safe and well set-up bike before every ride.

Happy and safe riding.



INFO

Whyte Bikes website www.whytebikes.com

MANUAL SYMBOLS



WARNING!

This symbol indicates a hazardous situation which could result in serious injury or death. Riding bicycles can result in loss of control or falls which may result in injury or death, this manual doesn't always repeat the warning of possible injury or death.



CAUTION!

This symbol indicates a potential hazardous situation which could result in a minor or moderate injury. This symbol may also alert against unsafe practices. The symbol will also be used as a safety alert to indicate a situation where damage to the bicycle/EPAC will void your warranty.



INFO

This symbol indicates to the reader that the information is important to the user and product.

01 – INTRODUCTION 1.2 Product Warnings

The Whyte Bosch system can only be activated when there is sufficiently charged battery installed. Please check the 'CHARGING' section of this manual which shows how to charge your bicycle safely. If a sufficiently charged battery is installed and the eBike system is switched on, pedal assistance can be engaged when pedal force is applied. For all pedal assist modes please find the correct operating system in this manual.



Bosch Power – Your Whyte/Bosch bicycle features a powerful pedal assist when force is applied to the pedals. Familiarize yourself with your bike's ride and pedal assist characteristics in a safe and flat environment. Ensure you feel comfortable with your bikes performance before riding in public areas where you may put other peoples safety at risk.



Keep your fingers away – Do not place your fingers or tools near the Drive unit. Maintenance and repair of the drive unit should only be performed by an authorised Whyte Bike service centre.



Modifications – Do not modify the Bosch Drive unit or any components directly connected to the drive unit. Maintenance and repair of the drive unit should only be performed by an Authorised Whyte Service Centre. Any attempt to modify the Drive unit may result in serious personal injury or death, and will immediately void the bicycle's warranty.



Tyres – Never inflate a tyre beyond the lower of the two values of the maximum pressure marked on the tyres sidewall and the maximum pressure marked on the rim that the tyre is installed on. Exceeding the recommended maximum pressure may blow the tyre off the rim, which could cause damage to the bike and injury to the rider and bystanders.



Influences – Never ride your eBike/pedelec whilst using headphones. Never ride whilst operating your mobile phone or other electronic device. Never ever ride your bike under the influence of alcohol or drugs. Failure to follow these strict rules could lead to a serious accident or even death.



Riding conditions – Under wet and slippery conditions please consider your cornering and braking. Make adaptations to your riding by decreasing your speed, braking earlier, and gradually applying braking force. Braking distance is likely to be significantly increased especially in off- road conditions. Ensure you ride at an appropriate speed for the conditions, terrain, and your ability.



Bicycle carrier – Child carrier or seat – Trailer

Whyte bicycles are only designed and tested for use by one person at a time. Carrying a child, pet, or cargo load on your Whyte bicycle is at your own risk. If you choose to install an accessory on your E-Lyte model such as a child carrier or a trailer, make sure it is compatible and refer to the manufacturer's instructions. Do not attach a child carrier, trailer, or similar accessory to a composite or carbon fibre part or component, either directly or indirectly. For example, do not attach a trailer to a rear axle when the rear triangle is made of composite or carbon fibre. Likewise, do not attach a trailer to a composite or carbon seat-post or a child carrier to a composite or carbon fork.



Failure to follow the warnings in this manual may result in damage to the components on your bicycle and will void your warranty, but, most importantly, may result in serious personal injury or death. If your bicycle exhibits any signs of damage, do not use it and immediately take it to your authorised Whyte Bikes retailer for inspection.

Rider advice

Riding an eBike offers a very different experience to riding a conventional bicycle with no motor. The injection of power and increased weight can change your riding approach. Below are some considerations to ensure safe riding, reduce component wear, and increase battery range.

- Additional weight can affect braking distances. Consider your speed when entering corners and trail features. Pedalling through corners or trail features will increase your speed and may exceed the riders control.
- Shifting gears efficiently dependant upon gradient and terrain ensures an efficient cadence reducing wear to drive–train components. This will also extend the battery life of the eBike.
- Check tyre pressures regularly to ensure optimum grip and roll efficiency. Store the eBike indoors and where possible avoid storing in temperatures lower than 5 degrees.

Rider advice

Ensure that the eBike is properly sized for the user. Check your owners manual for assistance with size adjustments. Please ensure you have read the sections in your owners manual regarding set up, mechanical checks, and safety checks. Please see advice below specific to EPACs.

- Check battery charge level prior to every ride.
- Ensure you are familiar with the display functions.
- Ensure you are familiar with the remote functions.
- Make sure the bike is disconnected from the charger before every ride.



Please note the use of a Pedelec/E-MTB by children or adolescents under the age of 14 is not recommended and illegal on UK public pathways. Please check your regions laws and restrictions.

Fellow riders and your environment

Always be courteous to other trail users. Use extra caution around domestic animals, such as dogs and horses. Give other trail users right-of-way in all situations. Take care in urban areas where human traffic is greatly increased.

The E-Lyte has been designed for off-road riding. Please see the 'regulations and usage' section of this manual to learn about your bikes capabilities. This bike is not designed for extreme forms of riding that include hardcore Dirt Jumping, Free-riding, Downhill, or North Shore trails. Riding your bike in environments that it hasn't been designed for could lead to mechanical failure and put the rider at risk.

Public roads

Before riding your Whyte E-Lyte, please inform yourself of all applicable legal requirements and regulations in your country, state, and/or province. There may be restrictions on riding your E-Lyte bicycle on public roads, cycling paths, and/or trails. There may also be applicable helmet and light requirements, age restrictions, license or insurance requirements. Whyte Bikes encourages its bike owners to research all legal requirements for their own safety. Failure to do so puts the rider and others around them at risk, voids warranty, and support from Whyte Bikes will not be offered. As laws and regulations regarding electric bicycles vary by country and/or state and province and are constantly changing, please make sure to obtain the latest information. Please read this manual fully and if you have any further questions please contact your Whyte Bikes retailer.

02 – RIDE INFO 2.1 Out the Box

This manual is not intended as a comprehensive guide to assembling, servicing, or maintaining your bicycle. Please see your authorised Whyte Bikes retailer for assembly guidance, service, repairs, and maintenance.



INFO: Specification of all the components that are fitted to your bike as standard may be obtained from the Whyte Bikes website www.whyte.bikes.com



WARNING: If you are in any doubt about your ability to safely service or repair your Whyte bike, DO NOT RIDE IT and instead arrange for a professional bicycle mechanic at your local Whyte retailer to do the job correctly.



WARNING: Before any ride, check all fixings tight and secure, this is very important to ensure the bikes performance and your safety. Please read the Pre-Ride Checks section of this manual and learn what is required to operate this bicycle. Correct tightening force on fasteners (nuts, bolts and screws) is critical. Too much force can cause damage to the fixing and too little force could cause them to undo or rattle loose. Where indicated in the instructions or printed on the fixing, please adhere to the recommended torque specification. Please see the table to the right of this page for recommended tools and torque settings.

Tools Required For Assembly:

- 4,5,6,8mm Allen key
- Adjustable spanner
- Bicycle Pump
- Torque Meter Wrench (Optional)

LOCATION	TOOL	TORQUE	
		(Nm)	(IN LBS)
Seat Collar	5mm Allen Key	5-7	44-62
Stem to Steerer Tube	5mm Allen Key	10.8-13.6	96-120
Stem to Handlebar	5mm Allen Key	6-8	53-70
Crank Bolts	8mm Allen Key	54	480
Water Bottle Cage Bolts	3mm Allen Key	3	25
12mm Rear Axle	6mm Allen Key	25	220

02 – RIDE INFO 2.1 Out the Box

When unboxing your new Whyte eBike you will find a Whyte Charger Case containing numerous manuals (Including this manual). Please ensure you read all relevant literature prior to assembly or riding your eBike. Relevant manufacturer manuals for your eBikes components will be provided. Ensure all documents are retained for assistance with maintenance, cleaning, and warranty.

In addition to your charger case there will be a accessories box containing components that are specific to your eBike. Follow the instructions below or please contact your Whyte retailer for any support required.

Please note: the Whyte charger box and accessories box will differ between bike models and may not reflect the illustrations in this manual.

Blanking grommets for the cable ports are provided incase internal cable headset is retro-fitted. Please consult your Whyte Retailer for further details.



Tools Required

- 15mm Spanner
- Philips Head Screwdriver

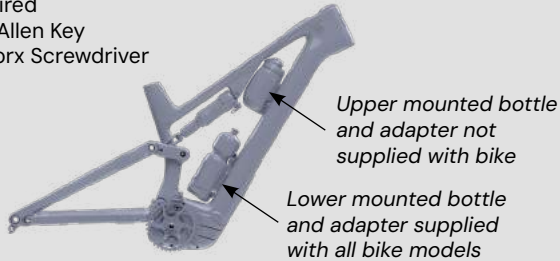
Accessory Part Instructions:

In the bicycle accessories kit you will find numerous components relevant to your bicycle. If your bicycle is supplied with pedals you will need a 15mm spanner to fit them to the cranks. Ensure you have identified the right and left pedal prior to installation. Tighten pedals to a recommended 40.2–42.9 Nm (350–380 lb/in). A Philips screw driver is required to mount reflectors to your bicycle. Reflectors are a crucial part of the safety system and must not be removed. Before riding your Whyte eBike please inform yourself of all applicable legal requirements to ride

02 – RIDE INFO 2.2 Frame Mounts

Tools Required

- 3mm Allen Key
- T25 Torx Screwdriver



Your E-Lyte has been designed with 2x frame mount locations. With an 'Upper' and 'Lower' mount the rider has the freedom to mix and match numerous configurations of bottles, tools, and even an additional battery. All E-Lyte models are supplied with a 'Bosch Adapter Mount' 'D' and 'Bosch Bottle Cage' (E). The Bosch PowerMore 250 'I' is only specified with certain Models. For further details regarding the PowerMore 250 'I' please refer to the relevant section of this manual

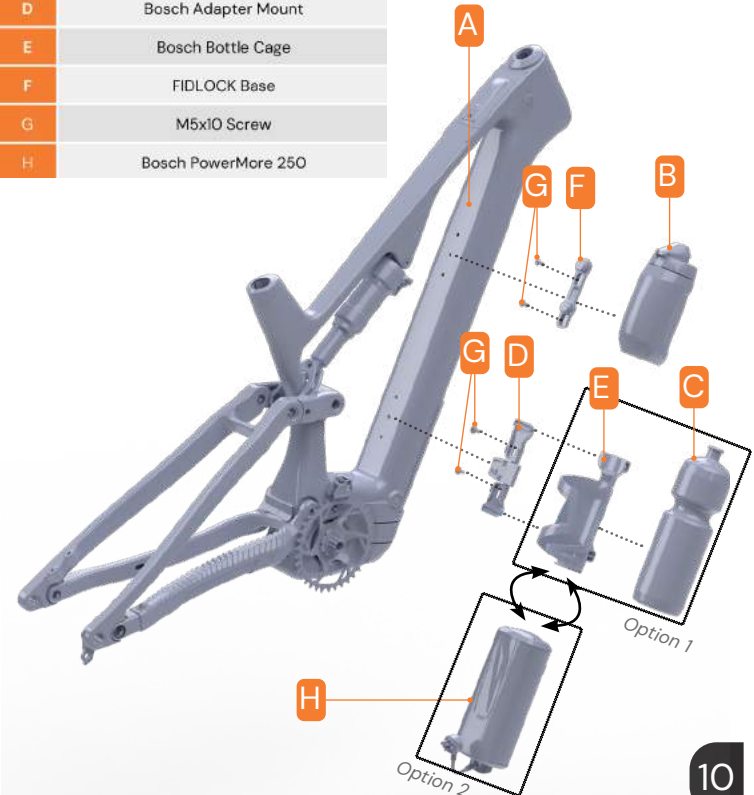
LOWER MOUNT: When using the Bosch Adapter Mount 'D' in the lower position, there are 2x available options to the rider. **OPTION 1** - Clipping in the Bosch Bottle Cage 'E' allowing a water bottle to be fitted. **OPTION 2** - Clipping in the Bosch PowerMore 250 'I' range extender battery (Please see instructions and product details for the Bosch PowerMore 250 'I' in this manual).

UPPER MOUNT: No accessories are supplied for the upper mount. This mount can accommodate a FIDLOCK 450mm Bottle (B) or mounts for tools and spares. Please note the small size frame can not accommodate the FIDLOCK 450mm Bottle (B). Pay attention to the warning below regarding fixing lengths.



WARNING: Take great care when installing fixings to the frame mounts. Always use original fixings where possible. Never use a fixing longer than 10mm as longer screws may come into contact with electrical components. Any damage to the electrical components caused by an incorrect fixing length could be fatal and void your Whyte warranty. Please consult your Whyte Retailer for further guidance if required.

Item	Part/Location Description
A	Frame - Downtube
B	FIDLOCK 450mm Bottle
C	Bosch Bottle
D	Bosch Adapter Mount
E	Bosch Bottle Cage
F	FIDLOCK Base
G	M5x10 Screw
H	Bosch PowerMore 250





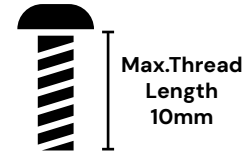
WARNING: Pay attention to frame decals indicating the maximum insertion length for screw fixings. Always measure the thread length of screws prior to installation. Failure to check screw lengths could damage electrical components and cause serious injury.



Frame Decal



WARNING: Where possible ALWAYS use original fixing. Never use a fixing longer than 10mm as longer screws may come into contact with electrical components.



Pre-Ride Check

Routinely check the condition of your bicycle before every ride. Regardless of ability and experience level, you should read all of your Owners Manual (Assembly Safety Equipment, Pre-Ride Check, Safety Checks, And Set Up) and carry out all the required checks. In addition, make sure you are comfortable operating the eBike's controls and are familiar with all aspects of your bike.

- Make sure nothing is loose. Lift the front wheel off the ground by approximately 5cm (2 inches), then let it drop and bounce on the ground. Does anything sound, feel or look loose? Then do a visual and tactile inspection of the whole bike. Can you find any loose parts or accessories? If so, secure them. (Frequency: Before every ride)
- Tyre pressure. Make sure tyres are correctly inflated. Check by pushing the bike down into the floor, while looking at how the tyre deflects. Check Manufacturer's recommended tyre pressures indicated on the side wall. Adjust the air pressure if necessary. (Frequency: Before every ride)
- Tyre condition. Spin each wheel slowly and look for cuts in the tread and side wall. Replace damaged tyres, do not ride on them. (Frequency: Before every ride)
- Wheels are true. Spin each wheel and check for side-to-side rim movement. If a rim moves side to side even slightly take the bike to a Whyte retailer to have the wheel trued. (Frequency: Before every ride)
- Ensure there is sufficient battery charge before setting off (Frequency: Before every ride)
- Check that the display and control functions are operational (Frequency: Before every ride).



WARNING

It is critical that the checks above are completed before every ride.



Brake Lever Adjustment:



INFO

Please note front and rear brake levers change sides dependant upon country/state. Ensure you identify which brake lever operates each brake.

Whyte recommends that at least the index fingers have the range to reach the brake levers easily. Brake lever adjustment can be achieved – please consult brake manufacturers manuals or by consulting a Whyte retailer for further details.



INFO

Take care during assembly not to damage the discs, callipers, or pads when installing the wheels. With hydraulic brakes, never apply pressure to the levers with the wheel removed.



INFO – Ergonomic adjustments to seat-post heights, handlebars, and suspension set ups can affect the control, comfort and performance of the user and bicycle. Correct set up can have a great affect on increasing or reducing the rider safety and enjoyment.



WARNING – A loose or damaged stem, handlebars, grips or extensions can cause you to lose control and fall. Unplugged handlebars or extensions can cut you and cause serious injury in an otherwise minor accident.



WARNING – As with all mechanical components, the bicycle is subjected to wear and high stresses. Different materials and components may react to wear or stress fatigue in different ways. If the design life of a component has been exceeded, it may suddenly fail possibly causing injuries to the rider. Any form of cracking, scratches, fraying or change of colouring in highly stressed areas indicate that the life of the component has been reached and it should be replaced.



Control Checks

Checking over your bike controls prior to every ride is critical to the riders safety. These checks must be carried out after assembly.

- **Brake function.**

Squeeze the brake levers. Can you apply full braking force at the levers without having them touch the handlebar? Try to move the bike forwards with the brake levers squeezed. Are the wheels locked? If not, then the brakes are not working properly. Do not ride the bike until you have consulted your Whyte retailer.

- **Wheel attachment.**

Ensure the front and rear wheels are correctly secured to the fork and frame.

- **Secure seat post.**

If the seat post has a quick-release clamp fastener for easy height adjustment, check that it is properly adjusted and in the locked position

- **Handlebar and saddle alignment.**

Make sure the saddle and handlebar stem are parallel to the bike's centre line and clamped tight enough so that you can't twist them out of alignment. If they are not, do not ride the bike until you have consulted your Whyte retailer.

- **Handlebar grips.**

Ensure the grips are tight by twisting the handlebar grips with force making sure they do not move. Make sure there is a plug in each end of the handlebars.

AFTER A CRASH

Crashing and falling off your bike is part of cycling. Check yourself for injuries. Take care of them as best you can. If necessary, seek medical help. An apparently minor incident could have major implications later on.



WARNING:

Carbon composite components, including frames, wheels, handlebars, stems, crank-sets, brakes, etc. which have sustained an impact must not be ridden until they have been disassembled and thoroughly inspected by a qualified mechanic.

Ensure a thorough check of the complete bike is completed before riding the bike after a crash/fall. Damage might be obvious like a cracked frame, forks, or bent handlebars. Less obvious damage like bent or twisted controls on the handlebar can affect handling of the bike and will need to be rectified. Please go through the 'Pre-Ride' checks supplied in this manual. Carefully examine all areas of the frame, forks, and rims for any dents, cracks or deformations. If you find any signs of damage to the frame, forks, or rims then do not ride the bike. Consult your Whyte retailer to have the bike thoroughly inspected before riding the bike again.

Check the seat, seat-post, stem, and handlebars are still in the correct orientation. NEVER try to correct the position by force. Loosen fixings/ bolts with the correct tools and reposition before re-tightening (Ensure you refer to the specified torque settings).

Check both wheels are securely fitted in the right position in the frame and fork. Lift the eBike at both the front and rear to test the wheels rotate freely. Make sure there are no dents or deformations to the rims. Ensure the wheel runs true with no interference from the frame. Be sure to check over brake alignment with discs and pads as this may have been altered in the crash. Failure to carry out these checks before riding puts the rider at risk.



WARNING: Aluminium components when deformed can break unexpectedly. If any of your Whyte bicycle components have been deformed or bent after a fall then the bicycle is unsafe to ride. Please ensure damaged parts are replaced and correctly installed. If there is any doubt do not ride your bicycle and contact your Whyte retailer for support.



WARNING: A collision or impact can cause serious damage to your bicycle and its components, causing them to malfunction or wear out prematurely. Malfunctions can occur suddenly and without notice, causing you to lose control of your bicycle and suffer serious injuries,

If you discover any damage to your Whyte bike or its components, **STOP** using the bicycle immediately!

Even if you can not visually observe any damage, pay close attention to the sound of your bicycle when riding. Unusual noises or riding vibrations can be a clear sign of damage and you should stop riding immediately. Contact your Whyte retailer who will be able to correctly diagnose the problem.

03 – RIDER REQUIREMENTS 3.1 Legal Regulations



INFO – Before riding your Whyte eBike please inform yourself of all applicable legal requirements to ride safely in your country/state. Please ensure adequate safety restrictions are obeyed with regards to lighting, licenses, helmet and insurance requirements. Whyte Bikes will not make any promise, representation, or warranty regarding the use of your EPAC. Laws and regulations for EPAC's vary in different markets and continue to evolve, please ensure you obtain the latest information.

An eBike/pedelec is a bicycle where the rider is assisted when pedalling. The motor can legally go up to 250 Watts with a maximum assisted speed of 25Km/h. Any bike that exceeds these limits is considered to be a moped or light motorcycle depending upon country/state law.

Under EU and UK law eBikes/pedelec's fall under the same category as bicycles. These laws may differ or special rules may apply dependant upon region so please take the time to educate yourself before riding. It is extremely important to obey the regulations governing the operation of an eBike/pedelec and the requirements regarding minimum age, certificates, licenses, insurance and helmets.



INFO – Do not tamper with your eBike/pedelec's electrical system in any way. Unauthorised modifications will void your bikes warranty, and make the product unsafe, whilst endangering the user and others. Making any changes to increase the speed or performance could incur legal problems. Any maintenance to the electrical system must be carried out by a professional accredited mechanic and all replacement parts must be original. For further assistance please consult your Whyte retailer or motor manufacturer.

Possible Legal Implications:

- The eBike/pedelec is required by law to be registered for approval and insured. All legal requirements regarding the bike components stated by road traffic licensing authority must be adhered to e.g. lights, reflectors and helmets.
- Whyte do not offer representation, warranty, or liability for use of your eBike/pedelec
- Tampering with your eBike/pedelec may result in a legal offence and termination of warranty and insurance.



Please check age restrictions for EPAC users in your country/state as it is common to find laws banning the use of EPAC's for children on public roads.

If you plan to ride with kids on your bicycle, please inform yourself of all applicable legal requirements and regulations in your country/state. There may be restrictions on riding your bicycle with certain or any accessory(ies). This is especially true for electric and pedal-assist bicycles.

03 – RIDER REQUIREMENTS 3.2 Usage Classification

To define the intended use of your bike please contact your Whyte retailer. All Whyte bikes have been tested and classified accordingly. The purpose of this classification is to define the test requirements complying with the respective stress loads.



WARNING: It is critical that your Whyte bike isn't ridden under conditions that do not fall under its intended usage category. Exceeding the usage category of your bike could result in serious damage to the bike, injury, or even death.



WARNING: The maximum permitted weight should not exceed 120KG. Whyte bikes may have differing maximum permissible weight limits, this can be found in the owners manual or on the frame sticker. Example of frame sticker pictured to the right. Exceeding the weight limit will damage the bike and could result in a failure or accident.

The maximum permissible weight is calculated using the following factors:

Weight of Pedelec (Kg)
+ Weight of rider (Kg)
+ Weight of Luggage, Tools, Rucksack (Kg)
= Maximum Permissible Weight (Kg)

The sticker shown to the right can be found on the underside of your down-tube near the headset. This sticker will display maximum permissible weight whilst stating the bikes overall weight, cut off speed, maximum power, manufacture year, and contact information.



WARNING: Towing is not permitted on this bicycle. Please do not use tow ropes or trailers. Towing will void your warranty and risks damaging the motor components.



WARNING: This bike has not been tested or approved for mounting child carriers. Doing so will put the passengers at risk.

**EPAC ACC. TO EN15194
EPAC-MTB ACC. TO EN17404**

**EU CONTACT: AR EXPERTS B.V,
P.O. BOX 5047, BREUKELEN, NIEDERLANDE
EMAIL: INFO@AR-EXPERTS.EU**

**MANUFACTURER: WHYTE BIKES LTD
WHITWORTH ROAD,
ST LEONARDS ON SEA
TELEPHONE: +44 (0)1424 753 566
EMAIL: INFO@WHYTEBIKES.COM**

WHYTE E-LYTE

WEIGHT OF EPAC: CA. 20KG MAX. WEIGHT: 120KG

**CUT OFF SPEED: 25 KM/H
MAX POWER: 0.25 KW**



**PRODUCED IN
2024**

PLEASE NOTE: STICKER CONTENTS WILL DIFFER BETWEEN BIKE MODEL, YEAR AND COUNTRY/STATE OF SALE.

03 – RIDER REQUIREMENTS 3.3 Usage Categories



Whyte pedelecs of the category '**1 – ROAD**' have been designed to be ridden on hard-packed road surfaces where the wheels remain in constant contact with the surface. Pedelecs of this category are not intended for use as touring or travel bikes. Maximum permissible weight consisting of the rider and luggage is specified on the CE marking on your bike.

Whyte pedelecs of the category '**2 – CROSS**' have been designed to be ridden on roads, tarred cycle lanes, or gravel/earthy surfaces that have been sign posted for bikes. This category of bike is intended for leisure and trekking where loss of contact between the wheels and surface may occur. Drops must be limited to 15cm (6") or less. Maximum permissible weight consisting of the rider and luggage is specified on the CE marking on your bike.

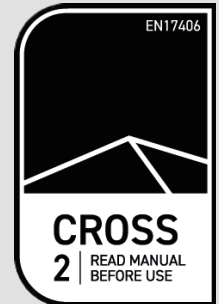


Whyte pedelecs of the category '**3 – TRAIL**' have been designed to be ridden on hard-packed surfaces mentioned in category 1 & 2 as well as unpaved roads, rough trails, and unimproved trails which require technical skills. This category of bike is intended for leisure, trekking, and cross country where loss of contact between the wheels and surface may occur. Drops must be limited to 61cm (24") or less. Maximum permissible weight consisting of the rider and luggage is specified on the CE marking on your bike.



Whyte pedelecs of the category '**5 – DOWNHILL & FREERIDE**' have been designed to be ridden on surfaces mentioned in category 1,2,3 and 4; extreme jumping; or downhill grades on rough trails where speeds may exceed 40km/h. This category of bike is intended for Downhill and Freeride where loss of contact between the wheels and surface is common. This bike category is suitable for bike parks which feature jumps, drops, roots, rocks, and loose ground. Jumps and drops can exceed 122cm (48") on official trails with purpose built landings. Maximum permissible weight consisting of the rider and luggage is specified on the CE marking on your bike.

i **INFO** Usage categories meet safety standards 'DIN EN ISO 4210' & 'DIN EN 15194'.



03 – RIDER REQUIREMENTS 3.4 Safety Equipment



INFO The user of this Whyte bike is responsible for understanding current laws and regulations regarding bicycle use. The rider must obey regulations and must be aware of the penalties for their violation.



WARNING! Safety gear such as helmets may be required by law. Please educate yourself on current laws and legislations before riding. The use of helmets and other protective wear can reduce serious injuries and even death.

Lights: Lights are mandatory for night riding by law, reflectors are not sufficient. Please make yourself aware of all laws and regulations for your country/state. Riding at night or in poor visibility is dangerous. Ensure lights are installed at the front and rear of your bicycle before riding at night.

Helmet: Whyte Bikes strongly recommend that when riding any of their bikes, that a helmet is worn at all times. This is regardless of the discipline or bicycle type. Ensure the helmet is securely fastened. Failure to wear a helmet could result in serious injury or even death.

Reflectors: The reflectors on your bicycle reflect light, which illuminates them, making the cyclist visible to other vehicles, pedestrians and cyclists. They make you visible in conditions of poor visibility/light. They are therefore a crucial part of the safety system and must not be removed.

Please ensure all reflectors are securely fastened, clean, clear of any obstructions and exhibit no signs of damage. Do not remove reflectors from your Whyte bike, they have been installed to meet current laws and are fitted for the users safety.



03 – RIDER REQUIREMENTS 3.5 Ride Conditions



WARNING – Conditions on the road, path or trail you are riding on can present sudden hazards. Avoid or exercise caution by slowing your speed on dangerous terrain, including:

- Potholes
- Train tracks
- Wet, oily or icy terrain
- Gravel or sand
- Kerbs
- Wet leaves
- Speed bumps
- Drain grates
- Broken glass
- Thorns
- Steep hills
- Sharp or sudden turns
- Other hazards that can cause a puncture and/or loss of control

Failure to take these potentially dangerous conditions into account can cause a crash, leading to serious personal injury or death.



WARNING – As a road user, it is your responsibility to follow the rules of the road and operate your eBike in such a manner as to reduce your risk of a collision. Failure to follow this warning may lead to a collision or crash, resulting in serious personal injury or death.

Considerations:

Speed: Always ride at a speed within your comfort zone and or according to the conditions you're riding in (e.g., rain, darkness or loose dirt). This especially applies when riding in wet weather, as you'll need even more time and greater distance to slow down and are more likely to crash. Give lots of room to slow down and apply brakes gently. Riding at speeds beyond your comfort or skill level can result in a serious crash. Even if it's legal, it's not always safe to be riding at high speeds on paths or trails when other users are present.



CAUTION – When riding in a group, following other riders, or riding on crowded roads, paths or trails, always maintain a gap sufficient to allow you to stop safely.



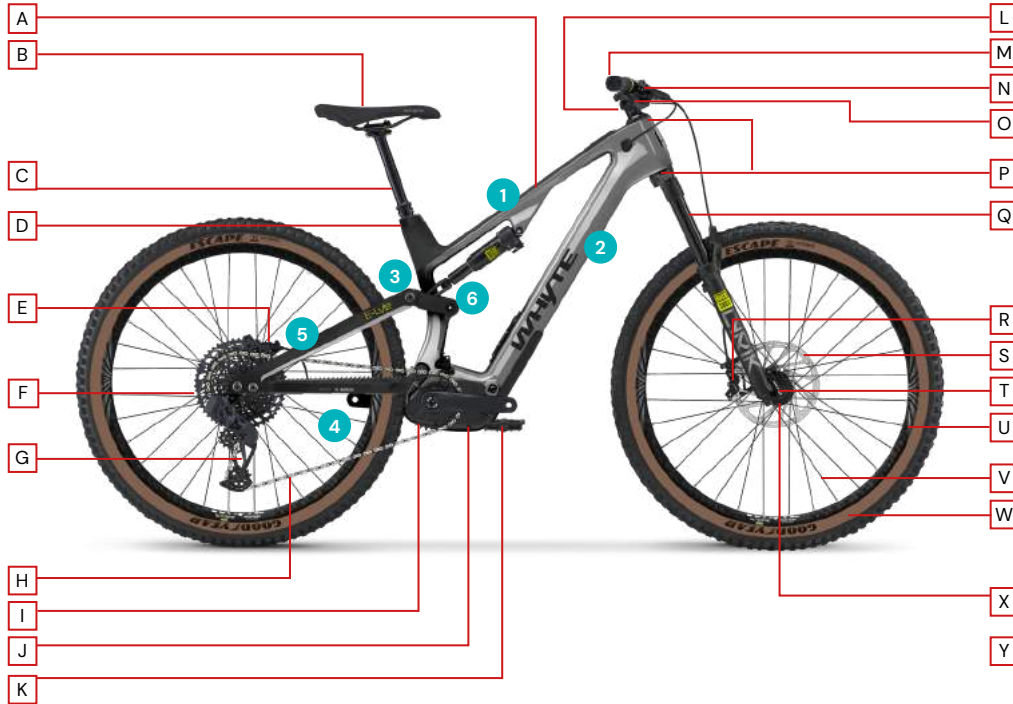
Surrounding people:

Exercise caution when passing pedestrians or other cyclists. The greater the speed difference, the greater the likelihood of a crash. Slow down when people or pedestrians are present, as they may not be aware of your presence and may step out in front of you. Riding with greater speed and weight requires more care, especially around other riders. Avoid distractions and stay focused on the road ahead. When following other riders, maintain a sufficient enough gap to allow you to stop safely. The higher your speed, the greater the gap should be.

Passengers:

Transporting passengers with your eBike is NOT permitted. Your eBike has been designed and tested for use by one person (the rider). Any transportation of a passenger beyond the intended design of the eBike is at your own risk.

04 - E-Lyte 4.1 Components



A - Frame

- 1 - Top tube
- 2 - Down tube
- 3 - Seat tube
- 4 - Chainstay
- 5 - Seatstay
- 6 - Rear shock

B - Saddle

- C - Seat post
- D - Seat post clamp
- E - Rear brake
- F - Cassette
- G - Rear dérailleur
- H - Chain

I - Chain-ring

- J - Crank-set
- K - Pedal
- L - Stem
- M - Grip
- N - Brake lever

O - Shift lever

- P - Headset
- Q - Suspension fork
- R - Front brake
- S - Rotor
- T - Thru axle
- U - Rim

V - Spoke

- W - Tyre
- X - Hub
- Y - Dropper post lever
- Z - Controller

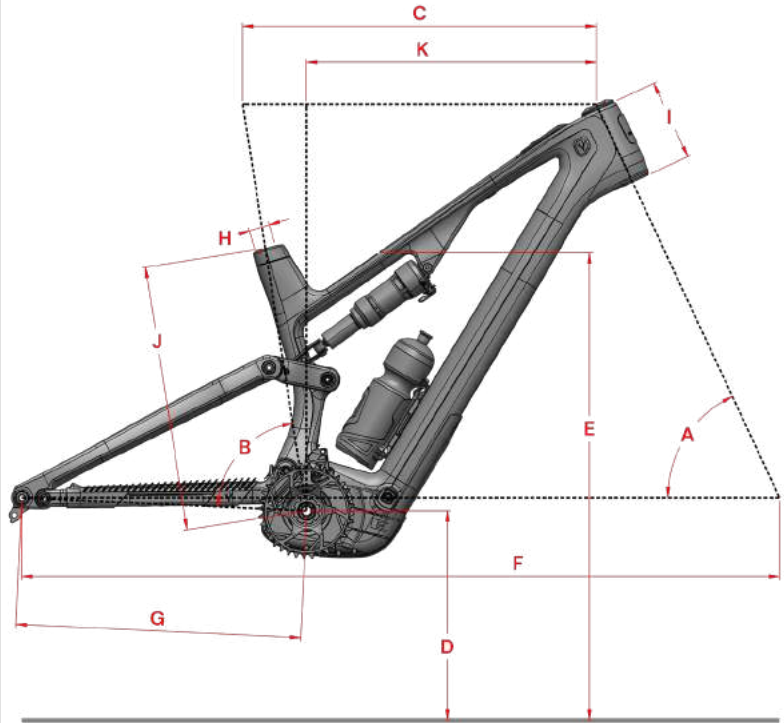
- 7 - Top tube controller
- 8 - Mini remote

04 - E-Lyte 4.2 Geometry

E-Lyte 140 Geometry				
Dimension	SMALL	MEDIUM	LARGE	X-LARGE
'A' HEAD ANGLE	LOW 64.4° HIGH 65.0°	LOW 64.4° HIGH 65.0°	LOW 64.4° HIGH 65.0°	LOW 64.4° HIGH 65.0°
'B' EFFECTIVE SEAT TUBE ANGLE	77.9°	77.7°	77.5°	77.3°
'C' TOP TUBE HORIZONTAL	562	591	619	648
'D' BB HEIGHT	LOW 331 HIGH 339	LOW 331 HIGH 339	LOW 331 HIGH 339	LOW 331 HIGH 339
'E' STAND OVER HEIGHT	739	739	739	739
'F' WHEELBASE	1208	1238	1269	1299
'G' CHAINSTAY LENGTH	450	450	450	450
'H' SEAT POST DIAMETER	30.9	30.9	30.9	30.9
'I' HEAD TUBE LENGTH	114	127	140	152
'J' SEAT TUBE LENGTH	395	420	445	470
'K' REACH	435	460	485	510
E-Lyte 150 Geometry				
Dimension	SMALL	MEDIUM	LARGE	X-LARGE
'A' HEAD ANGLE	LOW 64.0° HIGH 64.6°	LOW 64.0° HIGH 64.6°	LOW 64.0° HIGH 64.6°	LOW 64.0° HIGH 64.6°
'B' EFFECTIVE SEAT TUBE ANGLE	77.5°	77.3°	77.1°	76.9°
'C' TOP TUBE HORIZONTAL	563	592	620	649
'D' BB HEIGHT	LOW 334 HIGH 342	LOW 334 HIGH 342	LOW 334 HIGH 342	LOW 334 HIGH 342
'E' STAND OVER HEIGHT	741	741	741	741
'F' WHEELBASE	1212	1242	1273	1303
'G' CHAINSTAY LENGTH	450	450	450	450
'H' SEAT POST DIAMETER	30.9	30.9	30.9	30.9
'I' HEAD TUBE LENGTH	114	127	140	152
'J' SEAT TUBE LENGTH	395	420	445	470
'K' REACH	435	460	485	510

i **INFO** - Geometry dimensions shown are based upon a 29" wheel configuration. The geometry can be modified from a 'LOW' and 'HIGH' position by altering the position of the shock link. See website for details: <https://whytebikes.com/products/>

ONLY by purchasing a Whyte 'Shape.it' link can you convert your E-Lyte to run a 27.5" rear wheel. Configurations with differing wheel/tyre and fork options will effect the geometry. These changes may affect the ride characteristics of the bike. Always consult your Whyte retailer before making any changes to components or the bikes geometry.




04 - E-Lyte 4.3 Set Up


ITEM	Part/Location Description	Part Code
A	Seat Gator	WHYE-48
B	Seat Clamp Bolt	WHYE-48
C	Seat Clamp	WHYE-48
D	Seat-Tube	N/A


Seat Clamp:

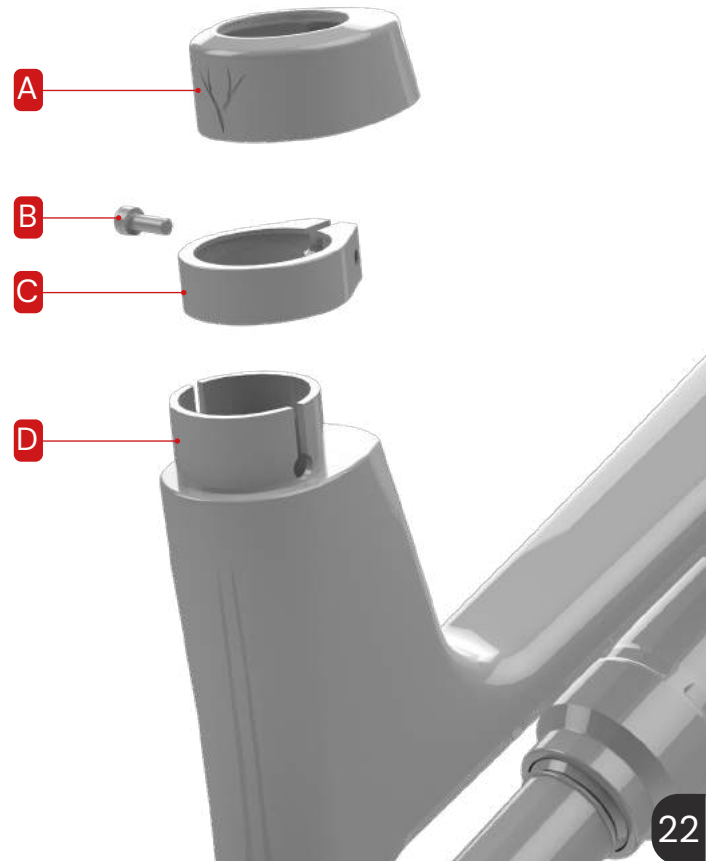
To adjust the Whyte Seat Clamp, peel up the rubber Seat Gator (A) then use an Allen key to undo the Seat Clamp Bolt (B). The seat post will become free in the Seat-Tube (D) of the frame. Adjust the height of the Seat-Post to suit the riders preference.

Please Note: Adjust your saddle height in accordance with the relevant seat post manufacturers instructions. Pay attention to minimum insertion heights clearly marked on the seat-post. To re-tighten the Whyte Seat-Clamp, tighten the Seat Clamp Bolt (B) in a clockwise direction and torque bolt to the recommended torque setting of 5-7Nm / 44-62 IN lbs. Once tight, lower the rubber Seat Gator back into place (A). Ensure you use carbon seat post paste to avoid seizing. Contact your Whyte retailer for further advice.

 **CAUTION:** Do not forcibly pull up or push down on a cable or hydraulically operated dropper Seatpost without first making sure that the cable or hose is moving freely inside the whole frame to facilitate the seat post adjustment.

 **CAUTION:** Avoid over-tightening the seat clamp. In particular, dropper seat posts that have moving internal components may not work correctly if the seat clamp is over tightened. This could lead to the seatpost's function to be impaired, this could result in a potential crash or injury.

 **CAUTION:** When adjusting the saddle height you **MUST** obey the minimum insertion depth requirement marked on the Seatpost. If you have any doubts please consult your Whyte retailer.



04 - E-Lytle 4.3 Set Up

If fitting or adjustment is required please consult the Seatpost manufacturers manuals. Follow the installation instructions closely! Pay attention to specified torques and proper tools needed.

Do not exceed the minimum insertion line. This can cause the post and/or your frame to fail.

If you are not comfortable with the installation, set-up or use of your Seatpost, please contact your local Whyte Bikes retailer or Whyte Bikes directly.

For optimal performance and maximum life of your seatpost, be sure to follow the maintenance schedule outlined by the manufacturer.

After a crash, accident or if you suspect possible damage, have the post inspected by a professional bike mechanic.



WARNING! Before every ride check and confirm the seatpost does not slip in the frame. Check and confirm the saddle rails do not slip in the seatpost clamp.



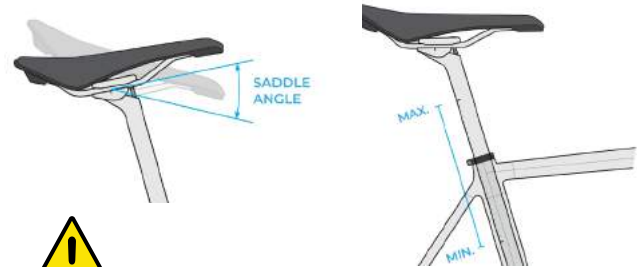
WARNING! DO NOT attempt to adjust air pressure using the air valve on the seatpost. Any change in the factory air pressure setting will render the seat-post inoperable, requiring full service.



INFO: Do not use the seatpost if an oil leak is detected or if the system needs to be bled. Your seatpost might be cable operated in which case this does not apply. If the seatpost is compressed and will not return to full extension, do not manually pull the seatpost head up to extend.



INFO: Saddle angle and position can be adjusted to suit riders preferred position. For guidance regarding rider adjustments please consult the manufacturers manual.



WARNING! Do not exceed the minimum seatpost insertion details indicated on the main body of the seat-tube. Failure to correctly install and adjust your seatpost can lead to mechanical failure of the post or frame. If there is any confusion regarding your seatpost insertion markings please contact your Whyte retailer.

04 – E-Lyte 4.3 Set Up

Tools required to set up your rear shock:

- Suspension Shock Pump

Rear Shock Setup:



INFO: When tuning suspension settings Whyte recommends always setting the rear shock first and fork second. Make sure you are wearing all the gear you would normally wear on a ride such as shoes, helmet, or rucksack.

Your Whyte bike is fitted with an air spring rear shock absorber. This means that the air pressure in the shock absorber determines the spring rate. The correct 'sag' can be found using the sliding 'O' ring fitted to the shaft of the shock piston. Slide the 'O' ring against the shock body. Gently sit on the bike in your normal riding position and with normal riding gear, including back pack if applicable, and also raise your feet off the floor. Carefully dismount and measure the distance the 'O' ring has moved away from the shock body.

The optimum distance for the 4 Bar Horst-Link rear suspension system is shown in the table. If the sag level is lower than the specified distance, fit a shock pump and release air pressure. Conversely, if the sag level exceeds the distance specified, fit the shock pump and increase air pressure. Repeat the 'sag' test until the recommended sag distance is achieved.

Rear Suspension Set-up – Rebound Damping:

When the damper unit is being compressed, this is known as the compression stroke. As the suspension unit recovers from compression back towards its full length, this is called the rebound stroke. All the shocks fitted as standard to the Whyte full suspension mountain bikes have factory set compression damping, and manually adjustable rebound damping.

Model	Shock Stroke	Sag (25%) Firmer	Sag (30%) Plusher
E-LYTE 140	47.5mm	12mm	14.25mm
E-LYTE 150	50.0mm	12.5mm	15mm



INFO: For Whyte bikes fitted with wireless suspension control systems, please refer to the manufacturers instructions at all times.

04 – E-Lyte 4.3 Set Up

Tools required to set up your front fork :

- Suspension Shock Pump



WARNING Always stop riding when making adjustments of any kind to the bicycle.

Fork Set Up:

The front suspension fork fitted to your Whyte bike will be pre-set with the standard settings. Before riding, you may need to adjust these settings. First is the sag setting on the fork. This is to ensure the forks are set-up correctly for your own body weight, so the fork will perform as intended. Whyte offer guidance for fork set-up but please consult the fork manufacturers recommendations for specific rider weights and pressures.

Model	Fork Travel	Sag (20%)
E-LYTE 140	140mm	28mm
E-LYTE 150	150mm	30mm



INFO: For Whyte bikes fitted with wireless suspension control systems, please refer to the manufacturers instructions at all times.



INFO: Please refer to the relevant fork manufacture's technical information for further details and tuning recommendations.

Refer to the specification table on the website and then to the relevant fork manufacturers set up instructions to find how to adjust the air spring pressure in the fork. Using a shock pump, either add or remove air until sag is correctly set.

Rockshox Manuals: [SRAM MANUALS](#)

Fox Manuals: [FOX MANUALS](#)



CAUTION: When adjusting suspension settings please follow the manufacturers instructions and guidance. Ensure you have the required equipment and if you have any doubt contact a Whyte retailer or qualified bike mechanic.



ReBounce Dampening:

This adjustment fine-tunes the speed at which the wheel returns to its normal ride height after hitting a bump. Refer to the relevant manufacturers instructions to find out how to adjust the rebound damping. To demonstrate the effect of this function, turn the adjuster to its slowest setting. Press down on the handlebars to compress the forks, then release the load. The suspension recovers very slowly to its original position.

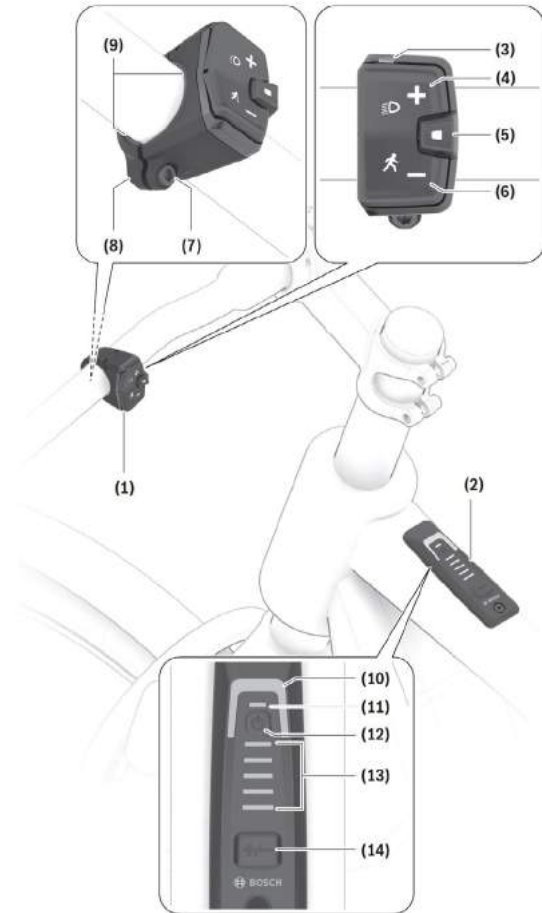
Repeat the above with the adjuster turned to the fastest setting and the difference will be seen immediately when the load is released. We recommend the optimum setting is to adjust the rebound damping to be as slow as possible, but not so slow that the normal ride height is not recovered. On very rough terrain, if the bike becomes progressively lower as more bumps are hit then the rebound damping is set too slow. On the other hand if the bike feels choppy and not plush then the rebound damping is too fast. A bit of trial and error is needed to get the exact setting.

05 SYSTEM CONTROL 5.1 Mini Remote functions

Product Features

All illustrations of bike parts except for the drive unit, on-board computer (including operating unit), speed sensor and the corresponding holders are a schematic representation and may differ on your eBike. The numbering of the components shown refers to the illustrations on the graphics to the right.

- (1) Mini Remote operating unit (optional)
- (2) Operating Unit System Controller
- (3) LED indicator lamp
- (4) Button for increasing assistance level +/bike lights
- (5) Select button
- (6) Button for decreasing assistance level -/walk assistance
- (7) Fastening screw for holder
- (8) Holder
- (9) Rubber insert/battery holder
- (10) Assistance level LED
- (11) ABS LED (optional)/ambient light sensor
- (12) On/off button
- (13) LEDs for battery charge indicator
- (14) Mode button



05 SYSTEM CONTROL 5.2 Start Up On/Off

Operation Requirements

Your E-Lyte eBike system can only be activated when the following requirements are met:

- A sufficiently charged battery is inserted (see battery operating instructions).
- The speed sensor is connected (see drive unit operating instructions).

Operating unit power supply (System Controller)

If a sufficiently charged eBike battery is inserted into the bike and the eBike system is switched on, then the operating unit battery is powered and charged by the eBike battery. Please contact your bicycle retailer if the operating unit battery is defective.

Operating unit power supply (Mini Remote)

The Mini Remote operating unit is supplied with voltage by a CR1620 coin cell.

Switching the eBike system on/off

To switch on the eBike system, briefly press the on/off button (12). After the starting animation, the state of charge of the battery is displayed in colour with the battery charge indicator (13) and the set assistance level with the (10) display. The eBike is ready to ride.

The display brightness is controlled by the ambient light sensor (11). Therefore, do not cover the ambient light sensor (11). The drive is activated as soon as you start pedalling (except at assistance level OFF). The motor output depends on the settings of the assistance level. As soon as you stop pedalling when in normal operation, or as soon as you have reached a speed of 25km/h (15.5mph), the eBike drive switches off the assistance. The drive is automatically reactivated as soon you start pedalling again and the speed is below 25km/h.

To switch off the eBike system, press the on/off button (12) briefly (<3 s). The battery charge indicator (13) and the assistance level LED (10) go out. If no power is drawn from the eBike drive for about 10 minutes (e.g. because the eBike is not moving) and no button is pressed on the on-board computer or the control unit of the eBike, the eBike system will switch off automatically.

Battery charge indicator

The battery charge indicator (13) displays the eBike battery's state of charge. The state of charge of the eBike battery can also be checked on the LEDs of the battery itself. In the LED Charge Display (13), each ice-blue bar represents 20% capacity and each white bar represents 10% capacity. The topmost bar shows the maximum capacity.

Example: Four ice-blue bars and one white bar are displayed. The state of charge is between 81% and 90%. If capacity is low, both of the lower displays change colour:

Bar	Capacity
2 × orange	30 % to 21 %
1 × orange	20 % to 11 %
1 × red	10 % to reserve
1 × red flashing	Reserve to empty

If the eBike battery is being charged, the topmost bar on the battery charge indicator (13) flashes.

05 SYSTEM CONTROL 5.3 Assist Modes

Setting the Assistance Level

On the operating unit, you can set the level of assistance you want the eBike drive to provide you with while pedalling.

Mini Remote: Briefly press (<1 s) the buttons to increase assistance + (4) or decrease assistance – (6) in order to increase or decrease the assistance level accordingly.

System Controller: Briefly press (<1 s) the mode button (14) to increase assistance. Press the mode button (14) for longer than 1 s to decrease the assistance.

The assistance level can be changed at any time, even while cycling, and is displayed in colour.

Adapting the Assistance Level

The assistance level can be adapted within certain limits using the Bosch eBike Flow APP. This gives you the option of adjusting your eBike to your personal requirements. It is not possible to create a completely new mode. You can only adjust the modes that have been enabled by the manufacturer or retailer on your system. This may be fewer than 4 modes.

Due to technical limitations, you cannot adjust the **eMTB** and **TOUR+** modes. In addition, restrictions in your country may mean that it is not possible to adjust a particular mode.

The following parameters are available for making adjustments:

- Assistance in relation to the base value of the mode (within the legal requirements)
- Drive response
- Top limit speed (within the legal requirements)
- Maximum torque (within the limits of the drive)

The parameters are dependent on each other and influence each other. For example, it is not fundamentally possible to simultaneously set a low torque value and high assistance.

Note: Please ensure that your modified mode retains the position, name and colour on all on-board computers and controls.

Level	Notes
OFF	Motor support is switched off. The eBike can just be moved by pedalling, as with a normal bicycle.
ECO	Effective support with maximum efficiency, for maximum range
TOUR	Steady support, long range for touring
TOUR+	Dynamic assistance for natural, sporty cycling
eMTB/ SPORT	Optimal support whatever the terrain, rapid acceleration when starting from a standstill, improved dynamics and top performance
TURBO	Maximum support even at a high cadence, for sport cycling
AUTO	The support is dynamically adapted to the riding situation.
RACE	Maximum support on the eMTB racetrack; very direct response and maximum “Extended Boost” for the best possible performance in competitive situations
CARGO^{A)}	Steady, powerful support, so as to be able to safely transport heavy weights

05 SYSTEM CONTROL 5.3 Assist Modes

Switching the Push-Assistance Function on/off

The walk assistance makes it easier to push your eBike. The speed in this function depends on the selected gear and can reach a maximum of 4 km/h.

The push assistance function must only be used when pushing the eBike. There is a risk of injury if the wheels of the eBike are not in contact with the ground while using the push assistance.

To start walk assistance, press the decrease button (6) for more than 1 second and keep it pressed. The battery charge indicator (13) goes out and a white moving light in the direction of travel shows that it is ready.

To activate walk assistance, one of the following actions must occur within the next 10 seconds:

- Push the eBike forwards.
- Push the eBike backwards.
- Perform a sideways tilting movement with the eBike.

After activation, the motor begins to push and the continuously filling white bars change colour to ice-blue. If you release the decrease button (6), walk assistance is stopped. You can reactivate walk assistance within 10s by pressing the button (6). If you do not reactivate walk assistance within 10s, walk assistance automatically switches off.

Walk assistance is always ended if:

- The rear wheel jams,
- The bicycle cannot move over ridges,
- A body part is blocking the bike crank,
- An obstacle continues to turn the crank,
- You start pedalling,
- The increase button (4) or on/off button (12) is pressed.

Walk assistance has a roll-away lock, i.e. even after walk assistance has been used, rolling backwards is actively curbed by the drive system for a few seconds, and you cannot push the eBike backwards or can only do so with difficulty. The push assistance function is subject to local regulations; the way it works may therefore differ from the description above, or the function may even be deactivated completely.



Interaction Between the eBike System and Gear Shifting

The gear shifting should be used with an eBike drive in the same way as with a normal bicycle (observe the operating instructions of your eBike on this point). Irrespective of the type of gear shifting, it is advisable that you briefly reduce the pressure on the pedals when changing gear. This will aid gear shifting and reduce wear on the powertrain. By selecting the correct gear, you can increase your speed and range while applying the same amount of force.

Switching Bicycle Lights on/off (Mini Remote only)

Check that your bike lights are working correctly before every use. To switch the bicycle lights on and off, press the button to increase the assistance level/bicycle lights (4) for longer than 1 s.

Establishing a Smart phone Connection

In order to be able to use the following eBike functions, a smart phone with the Bosch eBike Flow APP is required. Connection to the APP occurs via a Bluetooth® connection.

1. Switch on the eBike system and do not start riding the eBike.
2. Begin Bluetooth® pairing by pressing and holding (>3's) the on/off button (12). Release the on/off button (12) as soon as the lowest bar on the battery charge indicator (13) shows the pairing process by flashing blue.
3. Confirm the connection request in the Bosch eBike Flow APP.

Activity tracking - In order to record activities, it is necessary to register and log into the eBike Flow APP. To record activities, you must consent to the storage of your location data in the APP. Without this, your activities cannot be recorded in the APP. For location data to be recorded, you must be logged in as the user.

Software updates - Software updates must be manually started in the eBike Flow APP. Software updates are transferred to the operating unit in the background of the APP as soon as it is connected to the APP. During the update process, a green flashing light on the battery charge indicator (13) shows the progress. The system is then restarted. You can control the software updates via the eBike Flow APP.

<eBike Lock>

The <eBike Lock> can be activated for each user via the Bosch eBike Flow APP. In the process, a key for unlocking the eBike is saved on the smart-phone. The <eBike Lock> is automatically enabled in the following cases:

- Switching off the eBike system via the control unit
- Automatically switching off the eBike system
- Removing the on-board computer

If the eBike system is switched on and the smart phone is connected to the eBike via Bluetooth®, the eBike will be unlocked.

<eBike Lock> is linked to your user account.

If you lose your smart phone, you can log in to your user account on the Bosch eBike Flow APP using another smart phone and unlock the eBike.

Warning! If you select a setting in the APP that could have negative consequences in combination with the <eBike Lock> (e.g. deleting your eBike or user account), you will be shown a warning messages beforehand. Please read through these thoroughly and adhere to the warnings that are issued (e.g. before deleting your eBike or user account).

Setting Up the <eBike Lock>

In order to be able to set up the <eBike Lock>, the following conditions must be fulfilled:

- The eBike Flow APP is installed.
- A user account has been created.
- The eBike is not currently updating.
- The eBike is connected to the smart phone via Bluetooth®.
- The eBike is stationary.
- The smart phone is connected to the Internet.
- The eBike battery is sufficiently charged and the charging cable is not connected. You can set up the <eBike Lock> in the eBike Flow APP in the Settings menu item.

06 Connectivity 6.1 Bosch eBike Flow APP

Use the **eBike Flow APP** to control all functions of the smart system, which connects the drive unit, battery, display and control unit. It allows you to adapt the eBike exactly to your wishes, to expand it and to keep it up-to-date by easily downloading new features and services. You can conveniently install updates for your eBike via Bluetooth. This keeps your eBike up to date and continuously upgraded with new features. This is how you can take your riding enjoyment to even higher levels.

Features at a Glance

For a full in-depth guide to Bosch's Flow APP system please visit the link found [HERE](#).

Whether you want bicycle navigation, flexible route planning or effective fitness training: Bosch and your Whyte bike can connect you with your digital environment and open up completely new dimensions of eBiking - for even more fun on the move!

Downloading the APP



Step 1

Download the APP from the Apple APP Store or Google Play Store and install it.

Step 2

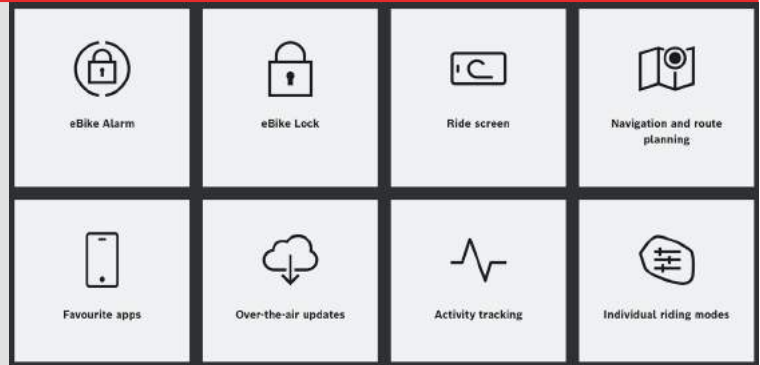
Launch the APP and register your Flow account using your Bosch ID.

Step 3

Connect your eBike with the eBike Flow APP. Now you're ready to use your eBike with the smart system.



INFO: Locking and unlocking your eBike will require the phone APP to be present. When returning your bike to a Whyte retailer for servicing ensure your eBike is unlocked. Without your phone APP the bike can not be unlocked.



06 Connectivity 6.1 Bosch Flow APP

Connecting Your Bike

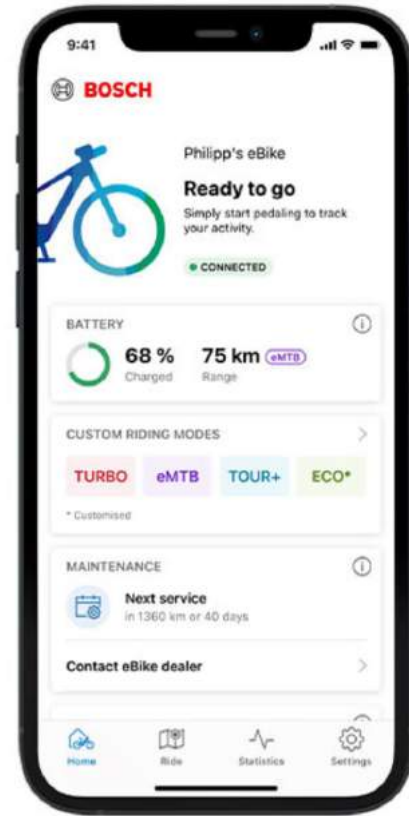
Connecting your Whyte bike to the Flow APP turns your eBike tour into an individual experience! If you are having any difficulties connecting, Bosch have produced a video to show you how to connect the eBike Flow APP to your own eBike and use functions for the Connected Biking experience

[Link to Video](#)



General Features

- Home Screen – Use the Home screen to gain a quick overview of everything that's important. Whether it's battery status, remaining range, distance travelled or the next service appointment, the Home screen clearly shows you everything you need to know with constantly updated eBike data.
- Updates – Download new features and updates for components, like the battery or motor for the smart system, with the eBike Flow APP and send them to your eBike via Bluetooth. Bosch will inform you as soon as a new update is available for your eBike with smart system. That way your eBike is always up to date and you are able to enjoy all available options.
- Activity Tracking – Track your ride and fitness data as soon as you get started. If desired, the Activity Tracking for iPhone users can also synchronise all data automatically with Apple Health. When you take a break, the recording of your ride is paused
- Individual riding modes – Adapt selected riding modes precisely to your needs: You can fine-tune the Race, Cargo, Turbo, Auto, eMTB, Sport, Tour+, and Eco riding modes to give you more support or to use less power.



07 CHARGING 7.1 Safety



Read all the safety and general instructions. Failure to observe the safety and general instructions may result in electric shock, fire and/or serious injury.

Save all safety warnings and instructions for future reference.

The term charger is used in these instructions to mean all original Bosch chargers from the generation of the smart system. The term eBike battery is used in these instructions to mean all original Bosch eBike rechargeable battery packs from the system generation the smart system.

- **Read and observe the safety warnings** and directions contained in all the eBike system operating instructions and in the operating instructions of your eBike.
- **Carefully cover the charging socket** with the flap after charging the eBike. This ensures that no dirt or water gets in.
- **Do not expose the charger to rain or wet conditions.** If water enters a charger, there is a risk of electric shock.
- **Only charge Li-ion batteries approved for Bosch eBikes** from a capacity of 6.7 Ah (from 20 battery cells). The battery voltage must match the battery charging voltage of the charger. Only charge rechargeable batteries. Otherwise, there is a risk of fire or explosion.
- **Keep the charger clean.** Dirt poses a risk of electric shock.
- **Always check the charger, cable and plug before use.** Stop using the charger if you discover any damage. Do not open the charger. Damaged chargers, cables and plugs increase the risk of electric shock.
- **Do not operate the charger on an easily ignited surface** (e.g. paper, textiles, etc.) or in a flammable environment. There is a risk of fire due to the charger heating up during operation.
- **Take care if you touch the charger while it is charging.** Wear protective gloves. The charger can get very hot, especially when the ambient temperature is high.
- **The eBike battery may give off fumes if it becomes damaged or is used incorrectly.** Ensure the area is well ventilated and seek medical attention should you experience any adverse effects. The fumes may irritate the respiratory system.

- **The eBike battery must not be left unattended while charging.**
- **Children under the age of 8 must not use the charger.** Children aged 8 and under, or persons who, owing to their physical, sensory or mental limitations or to their lack of experience or knowledge, are not capable of safely operating the charger may only use the charger under supervision or after having been instructed by a responsible person. Supervise children during use, cleaning and maintenance. Children must not play with the charger. Otherwise, there is a danger of operating errors and injuries.
- A sticker in English is adhered to the bottom of the charger (marked (4) in the diagram on the graphics page). This says:

Use ONLY with BOSCH lithium-ion rechargeable batteries



eBike Battery Charger BPC3400 4A Charger EB12.110.001

Input: 220-240V ~ 50-60 Hz 1.65 A
Output: 36 V = 4 A
Made in Vietnam
Robert Bosch GmbH
72757 Reutlingen, Germany

Li-Ion
Use ONLY with BOSCH Li-Ion batteries



eBike Battery Charger BPC3403 4A Charger EB12.110.01F

Input: 220-240V ~ 50-60 Hz 1.65 A
Output: 36 V = 4 A
Made in Vietnam
Robert Bosch GmbH
72757 Reutlingen, Germany

Li-Ion
Use ONLY with BOSCH Li-Ion batteries



07 CHARGING 7.2 Product Specification

Intended Use

In addition to the functions shown here, changes to software relating to troubleshooting and functional modifications may be introduced at any time.

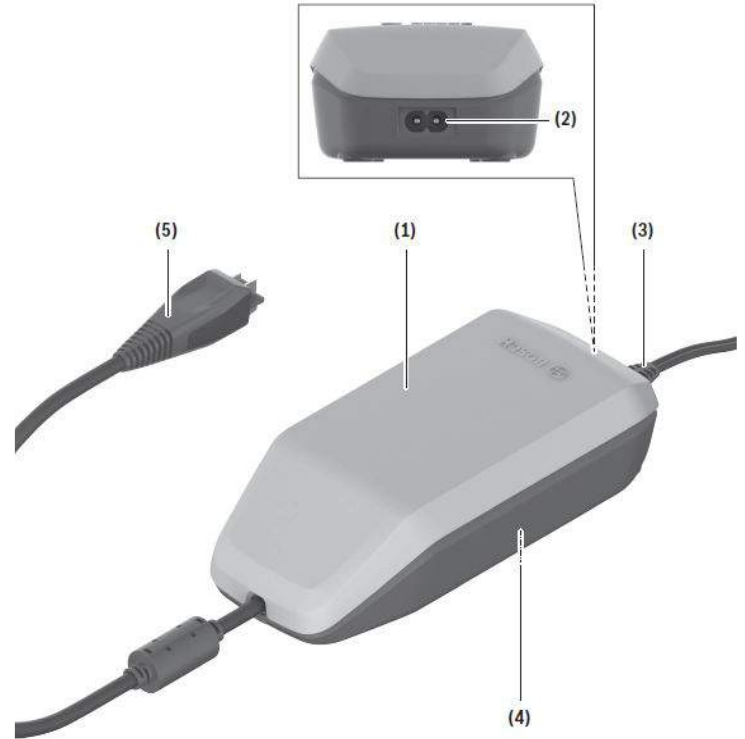
The Bosch eBike chargers are intended exclusively for charging Bosch eBike batteries and must not be used for any other purpose.

The Bosch eBike chargers depicted here are compatible with Bosch eBike batteries from the new system generation of the smart system. The BPC3403 charger is only intended for charging Bosch eBikes from the new generation the smart system with assistance up to 25 km/h (Performance Line Speed).

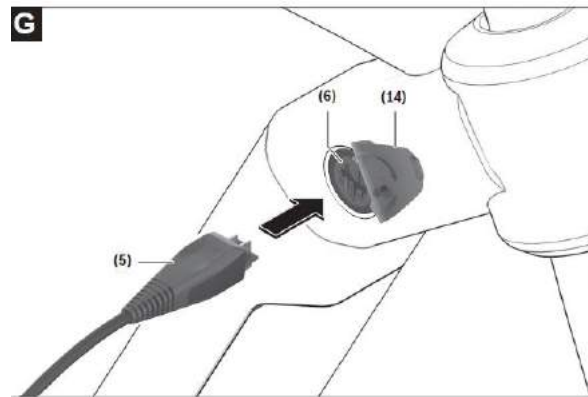
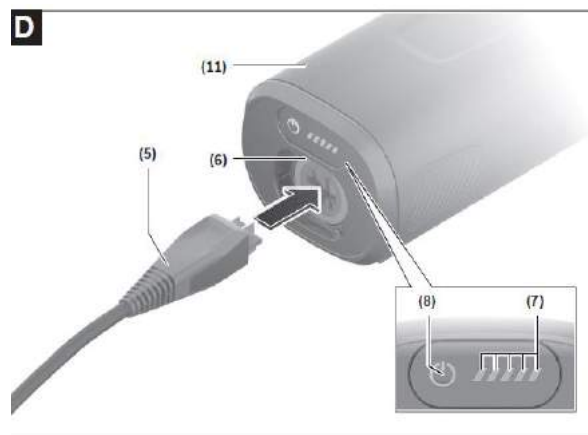
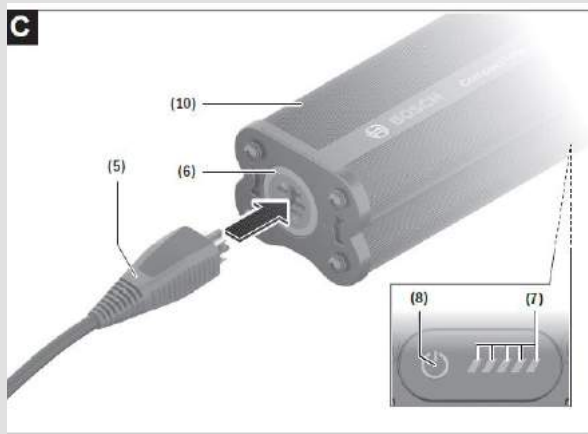
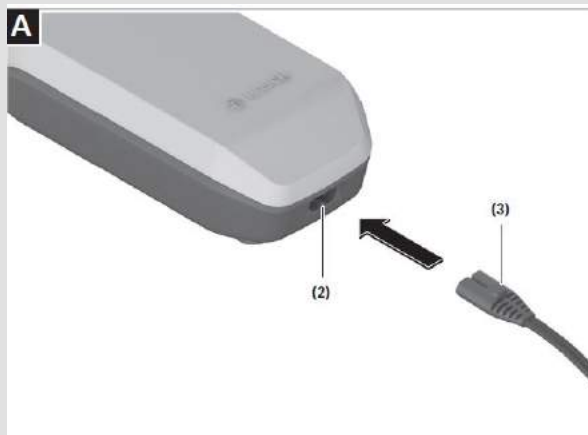
Product Features

The numbering of the components shown refers to the illustrations on the graphics pages at the beginning of the manual. Individual illustrations in these operating instructions may differ slightly from the actual conditions depending on the equipment of your eBike.

- | | |
|---------------------------------|---------------------------------|
| (1) Charger | (8) eBike battery on/off button |
| (2) Device socket | (9) PowerTube |
| (3) Device connector | (10) CompactTube |
| (4) Charger safety instructions | (11) PowerMore |
| (5) Charging connector | (12) PowerPack |
| (6) Charging Socket connector | (13) Rack-mounted battery |
| | (14) Charging socket cover |



2A/4A Charger



07 CHARGING 7.3 Start Up & Technical Data

Connecting the Charger to the Power Outlet (see figure A)

– Pay attention to the mains voltage. The voltage of the power source must match the voltage specified on the rating plate of the charger.

Chargers marked 230 V can also be operated at 220 V.

Plug the device connector (3) of the power cable into the device socket (2) on the charger. Connect the power cable (country-specific) to the power outlet.

Charging the Removed eBike Battery (see figures B–F)

Switch the eBike battery off and remove it from its holder on the eBike. When doing so, read and observe the operating instructions of the eBike battery.

– Ensure the eBike battery is placed on clean surfaces only. Avoid getting dirt, e.g. sand or soil, in the charging socket and contacts in particular.

Plug the charging connector (5) of the charger into the charging socket (6) on the eBike battery.

Charging the eBike Battery on the eBike (see figures G–I)

Switch the eBike battery off. Clean the cover of the charging socket (14). Avoid getting dirt, e.g. sand or soil, in the charging socket and contacts in particular. Lift the cover of the charging socket (14) and plug the charging connector (5) into the charging socket (6).

– **There is a risk of fire due to the charger heating up during charging.**

Ensure the eBike battery on the eBike is completely dry and placed on a fireproof surface before charging. If this is not possible, remove the eBike battery from the holder and charge it in a more suitable location. When doing so, read and observe the operating instructions of the eBike battery.

Charging process – The charging process begins as soon as the charger is connected to the eBike battery or charging socket on the eBike and to the power outlet.

Note: The charging process is only possible when the temperature of the eBike battery is within the permitted charging temperature range.

Note: The drive unit is deactivated during the charging process.

The eBike battery can be charged with or without the on-board computer. When charging without the on-board computer, the charging procedure can be observed on the battery charge indicator (7) and, where applicable, on the operating unit.

Technical data

Charger		2A Charger	4A Charger
Product code		BPC3200	BPC3400 BPC3403 ^{A)}
Rated voltage	V~	220 to 240	220 to 240
Frequency	Hz	50 to 60	50 to 60
Battery charging voltage	V~	36	36
Charging current (max.)	A	2	4
Charging time for PowerTube 750, approx. ^{B)}	h	11	6
Charging time for PowerPack 400, approx. ^{B)}	h	6	3.5
Operating temperature	°C	0 to 40	0 to 40
Storage temperature	°C	10 to 40	10 to 40
Weight, approx.	kg	0.53	0.7
Protection rating		IP40	IP40

A) For use with Bosch eBikes from the new system generation **the smart system** with assistance up to **45 km/h** (Performance Line Speed)

B) You can find the charging times for additional eBike batteries at: www.bosch-ebike.com.

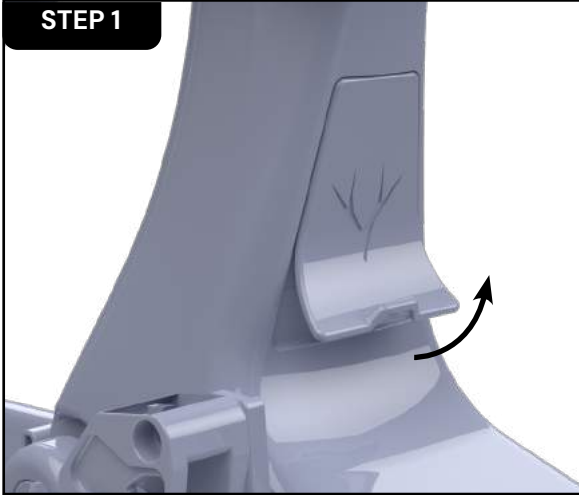
The specifications apply to a rated voltage [U] of 230 V. These specifications may vary at different voltages and in country-specific models.

When the on-board computer is connected, a charging notification appears on the display. The state of charge is displayed by the battery charge indicator (7) on the eBike battery, the operating unit and, where applicable, the on-board computer.

The LEDs on the eBike battery charge indicator (7) flash during the charging process. Each continuously lit LED represents approximately 20% of the charging capacity. The flashing LED indicates the next 20% currently charging. Once the eBike battery is fully charged, the LEDs go out immediately and the on-board computer is switched off. The charging process is terminated. The state of charge can be displayed for 5 seconds by pressing the on/off button (8) on the eBike battery. Disconnect the charger from the power outlet and the eBike battery from the charger. When the battery is disconnected from the charger, the eBike battery is automatically switched off. **Note:** If you have charged the battery on the eBike, carefully close the charging socket (6) with the cover (14) after charging, so that no dirt or water can get in. If the charger is not disconnected from the eBike battery after charging, after a few hours the charger will switch itself back on, check the state of charge of the eBike battery and begin the charging procedure again if necessary.

07 CHARGING 7.4 Charge Port Location

STEP 1

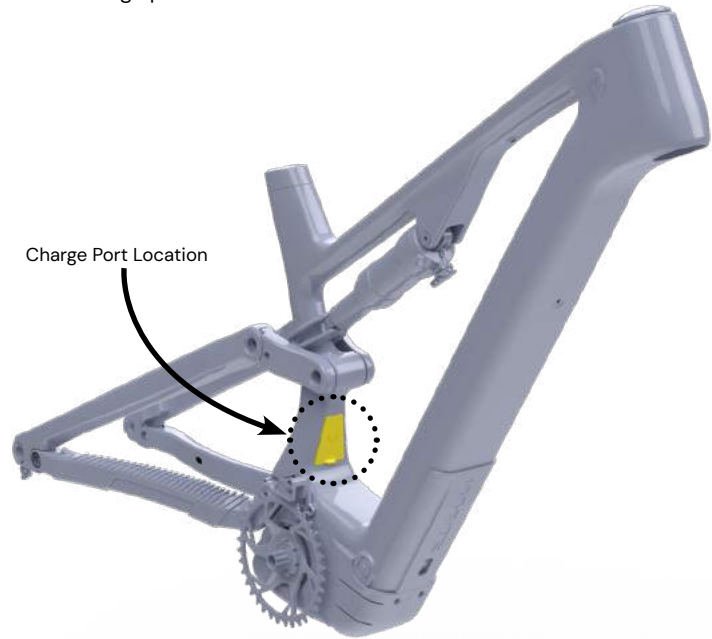


STEP 2




The E-Lyte's charge port is situated on the inside of the seat tube. Please reference full frame illustration below where the charge port location has been highlighted in yellow.

The E-Lyte's charge port is covered by a rubber seal. To access your E-Lyte charge port, whilst referencing 'STEP 1' use the finger pull tab situated at the bottom of the seal and pull upwards.

Do not try to remove the rubber charge port cover, a retaining device has been used to ensure the cover remains attached to the frame (see 'STEP 2'). When the cover has been released from the recess in the frame, access to the charge port is now achievable. After charging your E-Lyte ensure the cover is re-inserted fully to prevent water or debris getting into the charge port.



Errors – Causes and Corrective Measures

Cause	Corrective measures
 eBike battery defective	Two LEDs flash on the eBike battery. Contact an authorised bike dealership.
 eBike battery too warm or too cold	Three LEDs flash on the eBike battery. Disconnect the eBike battery from the charger until the charging temperature range has been reached. Do not reconnect the eBike battery to the charger until it has reached the correct charging temperature.
 The charger is not charging.	No LEDs flashing (one or more LEDs will remain permanently lit depending on the state of charge of the eBike battery). Contact an authorised bike dealership.
Charging not possible (no indicator on eBike battery)	
Connector not attached properly	Check all connections.
eBike battery contacts dirty	Carefully clean the eBike battery contacts.
Plug socket, cable or charger defective	Check the mains voltage, have the charger checked over by a bike dealership.
eBike battery defective	Contact an authorised bike dealership.

Maintenance and cleaning

If the charger fails, please contact an authorised bike retailer. Clean the charger using a dry cloth.

After-sales service and advice on using products

If you have any questions about the eBike and its components, contact an authorised bicycle retailer. For contact details of your authorised bike retailer, please visit www.bosch-ebike.com.



Disposal and substances in products

You can find information about substances in products at the following link: www.bosch-ebike.com/en/material-compliance.

Do not dispose of eBikes and their components with household waste.



The drive unit, on-board computer, operating unit, eBike battery, speed sensor, accessories and packaging should be disposed of in an environmentally correct manner. Check that your personal data has been deleted from the device. Batteries that can be removed from the power tool without destruction must be removed before disposal itself and sorted for separate battery collection.

In accordance with Directive 2012/19/EU and Directive 2006/66/EC respectively, electronic devices that are no longer usable and defective/drained batteries must be collected separately and recycled in an environmentally friendly manner.



Electrical and electronic equipment are collected separately for pre-sorting by type and helps to ensure that raw materials are treated and recovered properly, thereby protecting people and the environment. Please return Bosch eBike components that are no longer usable free of charge to an authorised bicycle retailer or to a recycling facility.

08 Drive Unit **8.1 Safety**

Safety Instructions – Read and observe the safety warnings and directions contained in all the eBike system operating instructions and in the operating instructions of your eBike.

Do not make any alterations of any kind to the drive. Do not use any products to increase the performance of the drive. Your actions also constitute an illegal act in the public domain. Moreover, you may consequently endanger yourself and others, and risk high personal liability costs and potentially even the danger of criminal prosecution in the event of accidents that can be traced back to the manipulation. This also generally reduces the service life of the eBike components. Damage to the drive unit on the eBike can occur, leading to the loss of guarantee and warranty claims on the eBike you have purchased.

Do not open the drive unit. The drive unit must only be repaired with original spare parts and by an authorised bicycle retailer. This will guarantee that the safety in use of the eBike is maintained. Unauthorised opening of the drive unit will render warranty claims null and void. Before beginning work (e.g. inspection, repair, assembly, maintenance, work on the chain, etc.) on the E-Lyte: the battery is built into the frame, therefore, please take particular precautions so that the eBike cannot be switched on. There is a risk of injury if the eBike is accidentally activated. Please refer to the 'Battery Removal' section of this manual or have an authorised bicycle retailer install and remove built-in eBike batteries.

Use only original Bosch eBike batteries from the generation of the smart system, which the manufacturer has approved for your eBike. Using other eBike batteries can lead to injuries and pose a fire hazard. Whyte & Bosch accepts no liability or warranty claims if other eBike batteries are used.

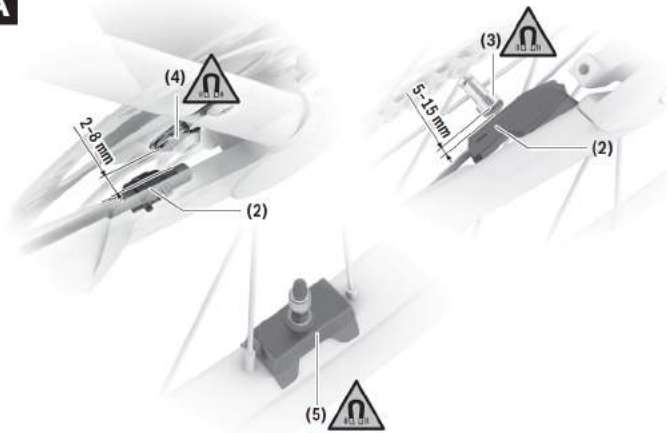
Keep the rim magnet from away from implants and other medical devices, e.g. pacemakers or insulin pumps. The magnet generates a field that can impair the function of implants and medical devices. **Keep the rim magnet away from magnetic data carriers and magnetically sensitive devices.** The effect of the magnets may lead to irreversible data losses. **Observe all national regulations which set out the approved use of eBikes.**



After a ride, do not allow your unprotected hands or legs to come into contact with the housing of the drive unit. Under extreme conditions, such as continuously high torques at low travel speeds, or when riding up hills or carrying loads, the housing may reach a very high temperature. The temperature that the drive unit housing may reach is influenced by the following factors:

- Ambient temperature
- Ride profile (route/gradient)
- Ride duration
- Assistance modes
- User behaviour (personal effort)
- Total weight (rider, eBike, luggage)
- Motor cover on the drive unit
- Heat dissipation properties of the bicycle frame
- Type of drive unit and type of gear-shifting

A



- (2) Speed sensor (4) CenterLock magnet
 (3) Spoke magnet (5) Rim magnet

Information on the noise emissions of the drive unit.

Typically, the A-weighted noise emission level of the drive unit is < 70 dB(A). A key feature of the <eBike Alarm> service is that the drive unit will emit an alarm tone in response to unauthorised movement of the eBike. This alarm tone can exceed a noise emission level of 70 dB(A) and measures 80 dB(A) at a 2m distance from the drive unit. The alarm tone is only available once the <eBike Alarm> service has been activated and can be deactivated via the APP eBike Flow.

Assembly – Checking the speed sensor (see figure A)

The speed sensor (2) and its CenterLock magnet (4) or spoke magnet (3) are mounted ex-works in such a manner that the magnet, after a turn of the wheel, moves past the speed sensor with a clearance of at least 2 mm, yet no more than 15 mm (see figure A).

Drive unit	Drive Unit Performance Line SX	
Product code		BDU3142 BDU3143 BDU3144 BDU3145
Continuous rated power	W	250
Torque at drive, max.	Nm	55
Rated voltage	V=	36
Operating temperature	°C	-5 to +40
Storage temperature	°C	+10 to +40
Protection rating		IP55
Weight, approx.	kg	2
The Bosch eBike systems use FreeRTOS (see www.freertos.org).		
Bicycle lights^{A1}		
Voltage approx.	V=	12
Maximum power		
- Front light	W	17.4
- Tail light	W	0.6

Note: Make sure you do not damage the sensor or the sensor holder when fitting or removing the rear wheel. When changing a wheel, make sure that the sensor cable is routed so that it is not under tension and has no kinks. The CenterLock magnet (4) can only be removed and reinserted up to 5 times.

Rim magnet

When installing a rim magnet, no sensor is required to detect a wheel turn. The drive unit itself detects when the magnet is close to it and calculates the speed and any other data required from the frequency of the emergence of the magnetic field. Since the drive unit is sensitive to magnetic fields, avoid other magnetic fields in the vicinity of the drive unit (e.g. magnetic clipless pedals, magnetic cadence sensors, etc.) in order to prevent disruption to the drive unit.

Operation

A control unit from the smart system generation is required for the starting operation of the eBike. Please observe the operating instructions of the control unit and, if necessary, additional components from the smart system generation.

Notes on Cycling with Your eBike

When does the drive work? The drive assists your cycling only when you are pedalling. If you do not pedal, the assistance will not work. The drive power always depends on the pedalling force and cadence you apply. With low force or cadence, the support will be less than with high force or cadence. This applies irrespective of the assistance level.

The drive automatically switches off at speeds over 25 km/h. When the speed falls below 25 km/h (15.5mph), the drive automatically becomes available again. An exception applies to the walk assistance function, in which the eBike can be pushed at low speed without pedalling. The pedals may rotate when the walk assistance is in use.

You can also use the eBike as a normal bicycle without assistance at any time, either by switching off the eBike or by setting the assistance level to OFF. The same applies when the eBike battery is drained.

Interaction Between the Drive Unit and Gear-shifting

The gear shifting should be used with an eBike in the same way as with a normal bicycle (observe the operating instructions of your eBike on this point).

Irrespective of the type of gear shifting, it is advisable that you briefly reduce the pressure on the pedals when changing gear. This will aid gear shifting and reduce wear on the powertrain. By selecting the correct gear, you can increase your speed and range while applying the same amount of force.



INFO: The A-weighted emission sound pressure level at the driver ears is less than 70 dB(A).

Influences on Range

The range is affected by a number of factors, such as:

- Assistance level
- Speed
- Gear shifting behaviour
- Tyre type and tyre pressure
- Age and condition of the eBike battery
- Route profile (gradients) and conditions (road surface)
- Headwind and ambient temperature
- Weight of eBike, rider and luggage

For this reason, it is not possible to predict the range accurately before and during a trip. However, as a general rule:

- With the same assistance level on the drive: The less energy you need to exert in order to reach a certain speed (e.g. by changing gears optimally), the less energy the drive will consume and the higher the range per battery charge will be.
- The higher the selected assistance level under otherwise constant conditions, the smaller the range will be.

Taking Care of your eBike – Please observe the operating and storage temperatures of the eBike components. Protect the drive unit, on-board computer and eBike battery against extreme temperatures (e.g. from intense sunlight without adequate ventilation). The components (especially the eBike battery) can become damaged through extreme temperatures. All components fitted to the drive unit and all other components of the drive (e.g. chainring, chainring receptacle, pedals, cranks) must only be replaced with identical components or components that have been specifically approved by the manufacturer for your eBike. This will protect the drive unit from overloading and becoming damaged. When replacing the crank, make sure to use exactly the same crank as a spare part, so that damage to the drive unit is ruled out. If you have any questions and for further information, contact an authorised bike retailer. Do not immerse any components, including the drive unit, in water or clean them with pressurised water. Have your eBike checked by an expert at least once a year (including mechanical parts, up to date system software). Please have your eBike serviced and repaired by an authorised bicycle retailer.

After-sales service and advice on using products

If you have any questions about the eBike and its components, contact an authorised Whyte bicycle retailer. Always consult the Bosch website for manuals and product updates.

Disposal and substances in products

You can find information about substances in products at the following link: www.bosch-ebike.com/en/material-compliance.

Do not dispose of eBikes and their components with household waste.

The drive unit, on-board computer incl. operating unit, eBike battery, speed sensor, accessories and packaging should be disposed of in an environmentally correct manner.

Check that your personal data has been deleted from the device.

Batteries that can be removed from the power tool without destruction must be removed before disposal itself and sorted for separate battery collection.



In accordance with Directive 2012/19/EU and Directive 2006/66/EC respectively, electronic devices that are no longer usable and defective/drained batteries must be collected separately and recycled in an environmentally friendly manner.

Electrical and electronic equipment are collected separately for pre-sorting by type and helps to ensure that raw materials are treated and recovered properly, thereby protecting people and the environment.

Please return Bosch eBike components that are no longer usable free of charge to an authorised bicycle retailer or to a recycling facility.



Storage Conditions

Where possible, store the eBike battery in a dry, well-ventilated place. Protect it against moisture and water. When the weather conditions are bad, it is advisable to remove the eBike battery from the eBike and store it in a closed room, for example, until you use it next.

Do not store the eBike battery in the following locations:

- In areas without smoke alarms
- Near combustible or easily flammable objects
- Near heat sources
- In locked vehicles (especially in the summer)
- In direct sunlight

To ensure an optimum service life, store the eBike batteries at room temperature. Never store them at temperatures below $-10\text{ }^{\circ}\text{C}$ or above $60\text{ }^{\circ}\text{C}$.

Make sure that the maximum storage temperature is not exceeded. Leaving the eBike battery on the eBike for storage is not recommended.

Maintenance and Cleaning

PLEASE NOTE: The eBike battery must not be submerged in water or cleaned using a jet of water.

Keep the eBike battery clean and avoid contact with skincare products, sun cream and insect repellent. Clean it carefully with a soft, damp cloth. Clean and lightly grease the connector pins occasionally. Use medical or technical Vaseline for this purpose. Please contact an authorised bicycle retailer if the eBike battery is no longer working.

Technical data

Li-ion battery	CompactTube 400	
Product code	Horizontal	BBP3240 BBP3242
Product code	Vertical	BBP3241 BBP3242
Rated voltage	V=	36
Nominal capacity	Ah	11
Energy	Wh	400
Operating temperature	$^{\circ}\text{C}$	-5 to $+40$
Storage temperature	$^{\circ}\text{C}$	$+10$ to $+40$
Permitted charging temperature range	$^{\circ}\text{C}$	0 to $+40$
Weight, approx.	kg	2.0
Protection rating		IP55



WARNING!

In the event of a battery fault the eBike battery must not be opened, not even for repairs. There is a risk of the eBike battery catching fire, e.g. as a result of a short circuit. This risk continues to apply for any Bosch eBike battery that has ever been opened, even at a later point in time.

Do not have your eBike battery repaired; instead, have your bicycle retailer replace it with an original Bosch eBike battery of the smart system generation of systems.

09 BATTERY POWER 9.2 Battery Removal

Tools required to remove battery:

- Bosch Lock Ring Tool
- T20, T25 Torx screwdriver
- TP40 Torx PLUS screwdriver
- Torque Meter Wrench (Optional)

Battery removal:

Please note the removal and installation of your E-Lyte's electrical system requires an advanced technical knowledge and may therefore be beyond the skills of average users. If you have any doubts, please contact your Whyte retailer for assistance. To remove the battery please refer to the part description table on the right and follow the step by step guide aided with illustrations. Whyte recommends where possible to always use an authorised retailer for removal and installation of electrical components. Any damage derived from incorrect installation may void warranty.



CAUTION!

Whyte recommends that the installation/removal of the battery should be carried out with the bike positioned in a repair stand. There needs to be ample room to slide the battery out of the frame. Take precautions to avoid dropping the battery onto a hard surface. Alternatively the bike could be placed on its non-drive side. Avoid tipping the bicycle upside down due to the weight of the bicycle. This may also lead to handlebar components being damaged.



WARNING!

When transporting your Whyte EPAC where the bike is exposed (EG. tow bar racks), it is recommended that battery is removed. If there was an accident where the frame and battery are crushed, this could trigger an electrical fire.

ITEM	Part/Location Description	Spare Part Kit Code
1	Skid Plate	WHYE-32
2	M5 x 12mm Countersunk screw	WHYE-27
3	Drive Side Motor Cover	
4	Non-Drive Side Motor Cover	
5	Bosch Lock-Ring	EB112000JH
6	Chain Ring	N/A
7	M4 x 12 Screw	WHYE-27
8	Bosch Motor	N/A
9	Motor Nut	EB1120003C
10.1	Motor Bolt (Long)	EB112000NA
10.2	Motor Bolt (Short)	EB112000N9
11	BCC (Motor-Battery) Cable	EB12120034
12	HMI TT Controller	EB12120007
13	M5 x 12 Bosch Screw	EB1211001B
14	BCC (COBS - Battery) Cable	EB12120049
15	Battery	EB12100020
16	Battery Adapter	EB12100015

09 BATTERY POWER 9.2 Battery Removal

Tools required to remove skid plate:

- T25 Torx Screwdriver

Skid Plate Removal

To free the motor covers (3,4) you must first remove the Skid Plate (1). Please note that not all bike models may be fitted with a skid plate. The Skid Plate (1) is mounted to the main frame using six screws (2). Using a T25 Torx screwdriver remove the six screws (2). Once removed, the Skid Plate (1) will come away from the Motor Covers (4,5).

Skid Plate Install

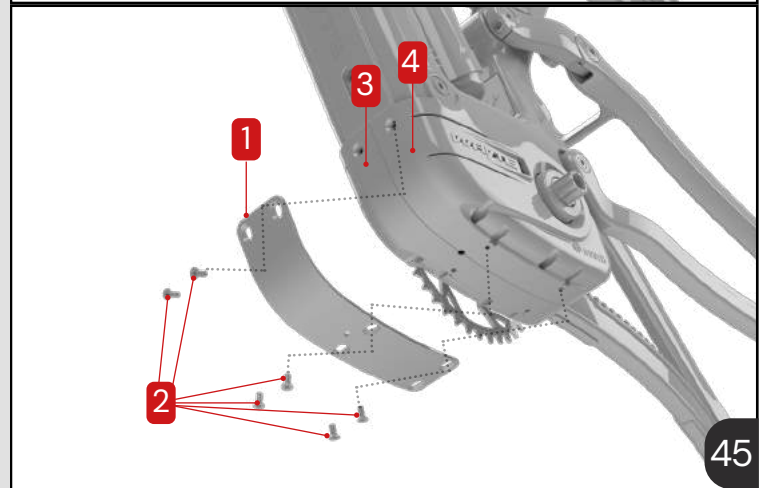
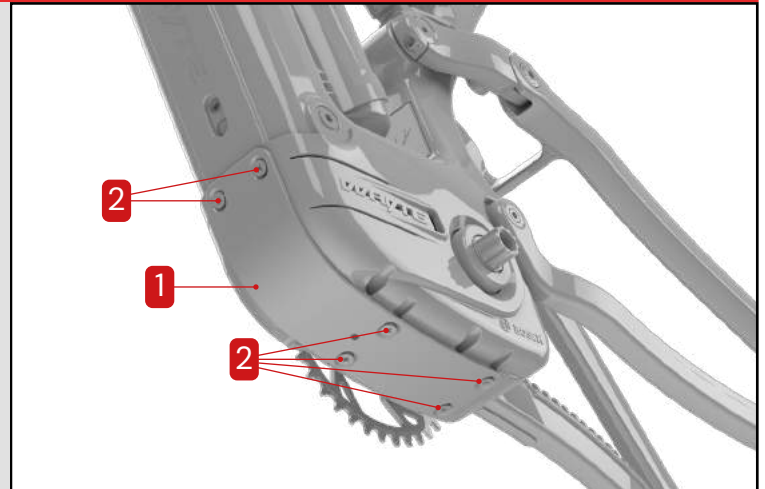
Ensure the holes in the mainframe, motor covers, and skid plate all align. Then insert the 6x screws (2) and tighten to a recommended torque setting of 4-6Nm / 44-62 IN lbs.



INFO: Your E-lyte may not feature a Skid Plate. If this is the case, please skip these steps in the battery removal process. If you wish to purchase a Skid Plate for your E-Lyte please contact your Whyte retailer or visit the website.



INFO: Many bolts will feature a coloured thread-lock patch applied to secure fixing under torque. Repeated removal and installation may remove the thread-lock over time. In this scenario ensure the thread is cleaned removing dirt and grease. Add new liquid thread-lock during installation.



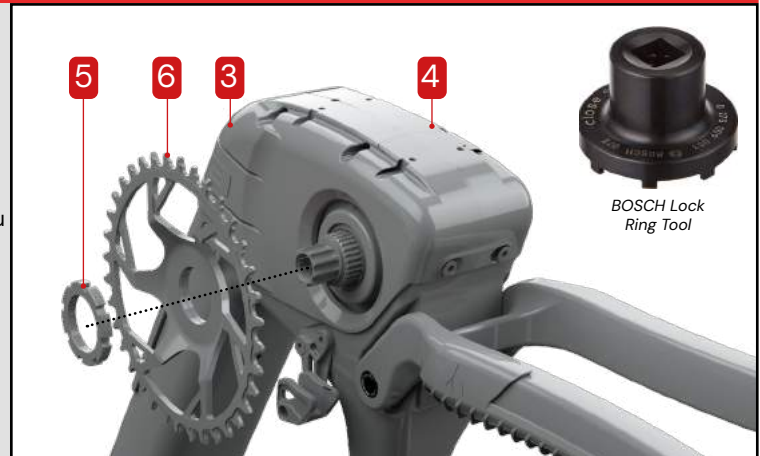
09 BATTERY POWER 9.2 Battery Removal

Crank Removal

Remove both crank arms following the manufacturers recommended method.

[SRAM](#)
[Hope](#)
[Samox](#)

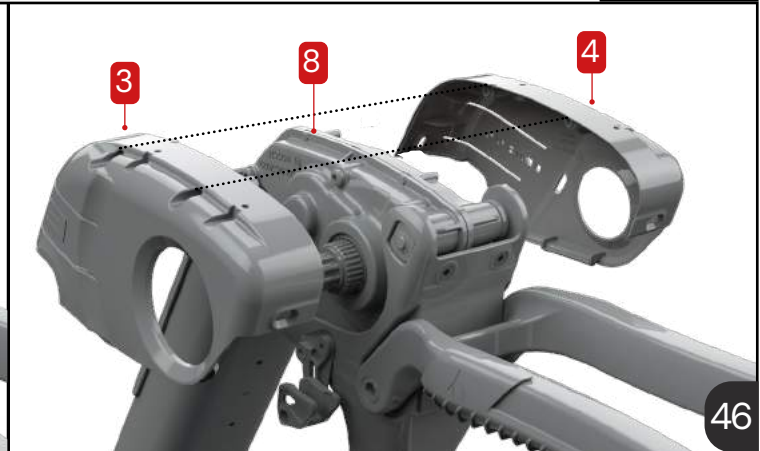
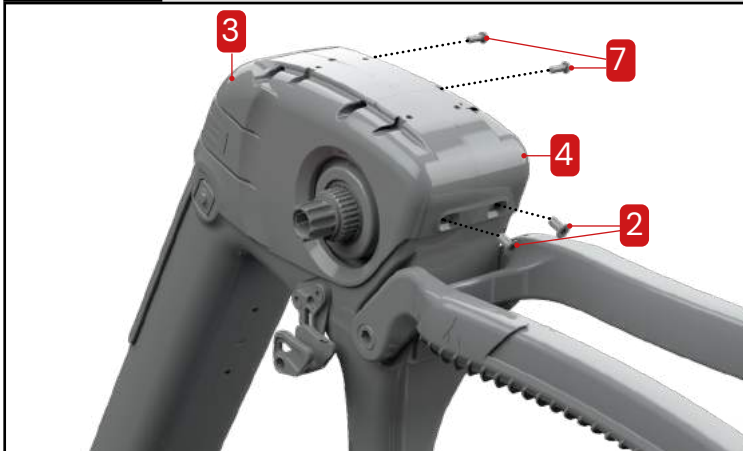
- STEP 1)** Remove the Bosch Lock Ring (5) using an official Bosch lock ring tool. (It is necessary to keep the chain and rear wheel in place to allow you to loosen the locking. If the wheel has been removed a chain whip may provide a suitable alternative). Remove the Chain Ring (6) which is free.
- STEP 2)** Remove 2x M5 Screws (2) from the rear of the motor covers using a T25 Torx screwdriver. Next remove from the Non-Drive Side Motor Cover (3) 2x M4 screws (7) using a T20 Torx screwdriver (take care not to damage threads).
- STEP 3)** Pull apart both Motor Covers (3&4) to reveal the Motor (8).



STEP 1

STEP 3

STEP 2

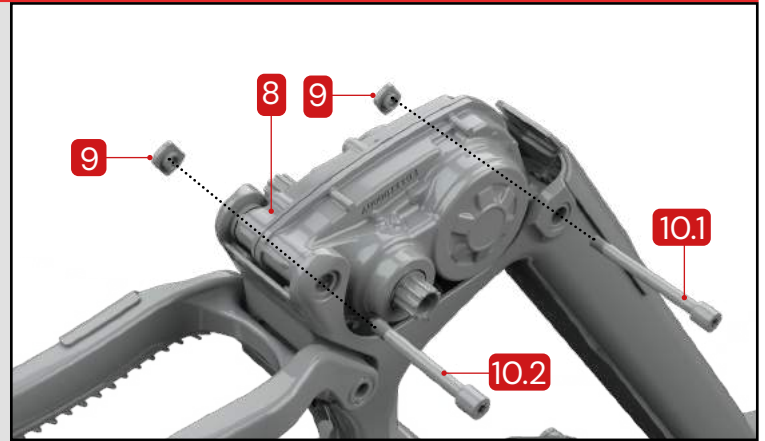


09 BATTERY POWER 9.2 Battery Removal

STEP 4) Remove the two Motor Bolts (10.1 & 10.2) from the non-drive side using a TP40 Torx PLUS screwdriver. Take care not to lose the corresponding Motor Nuts (9). (The Motor may become loose once the Motor Bolts (11) have been pulled from the frame. Ensure the Motor (8) is supported).

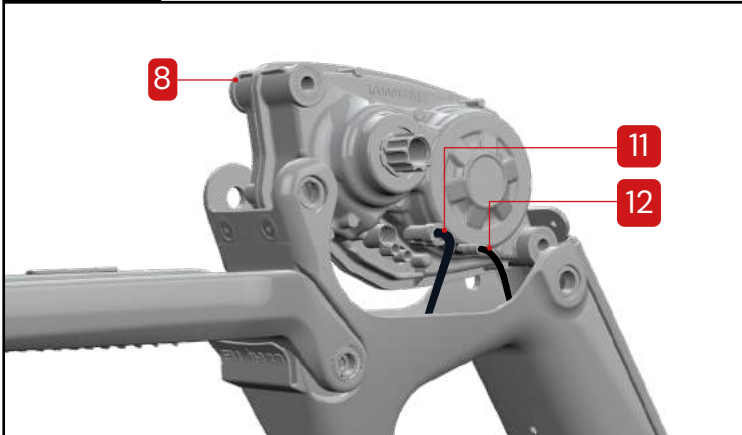
STEP 5) Slide the Motor (8) out of the frame very carefully. Disconnect the HMI TT Control Cable (12) and the BCC Cable (11) from the motor (Take great care when handling the motor to avoid dropping or damage).

STEP 6) Remove the Motor and store in a secure and dry location.



STEP 4

STEP 5



STEP 6



09 BATTERY POWER 9.2 Battery Removal

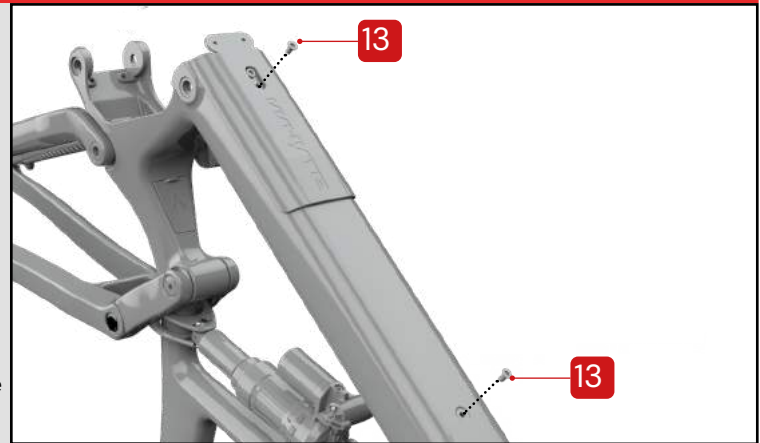
STEP 7 Using T25 Torx screwdriver remove the 2x M5 screws (13) from the down tube. Once removed the Battery (15) will be loose. Take care and support the battery to ensure it doesn't fall under its own weight.

STEP 8 Slide the Battery (15) out of the frame to reveal the Battery Adapter (16). Disconnect both the BCC & HMI cables (11,14).

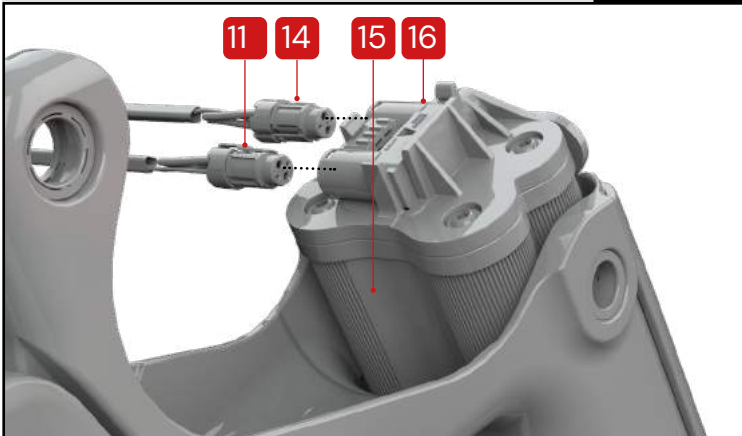
STEP 9 Carefully remove the Battery (15) from the down-tube. Take care when handling the Battery to avoid dropping or damaging the Battery.

INSTALLING THE BATTERY

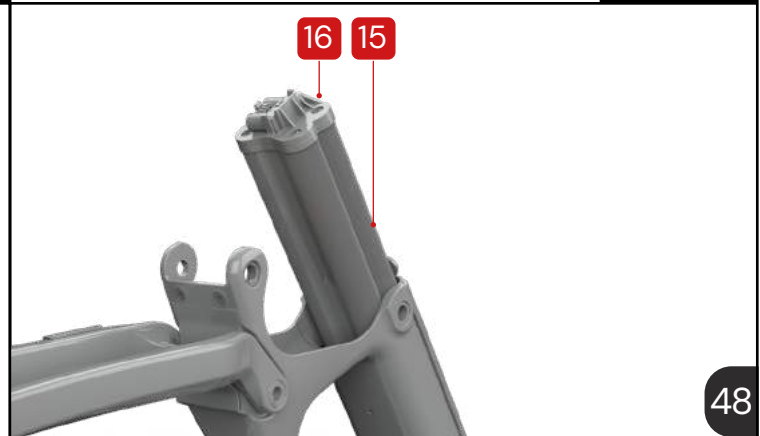
To install the Battery back into the frame, follow the reverse method of these instructions used to remove the Battery. Pay attention to torque settings for specified fixings and manufacturers recommendations. Ensure the cable routing is correct with no kinks to the cables. If you have any concerns please contact your authorised Whyte retailer. Ensure the Motor Bolts (10.1 & 10.2) are Torqued to 30Nm and the Lock Ring (5) to 35Nm.



STEP 7



STEP 8



STEP 9



WARNING!

If you transport your eBike attached to the outside of your car, e.g. on a bike rack, remove the on-board computer and the eBike battery (exception: built-in eBike battery) to avoid damaging them.

Transport

The eBike batteries are subject to legislation on the transport of dangerous goods. Private users can transport undamaged eBike batteries by road without having to comply with additional requirements.

When batteries are transported by commercial users or third parties (e.g. air transport or forwarding agency), special requirements on packaging and labelling (e.g. ADR regulations) must be met. When preparing items for shipping, a dangerous goods expert can be consulted as required.

Do not ship batteries if the housing is damaged or the eBike battery is not fully functional. Use only the original Bosch eBike battery packaging when transporting the eBike battery. Apply tape over exposed contacts and pack the eBike battery such that it cannot move around inside the packaging. Inform your parcel service that the package contains dangerous goods. Please also observe any additional national regulations should these exist. If you have any questions about transporting the eBike batteries, contact an authorised Whyte bicycle retailer.

You can find information about substances in products at the following link: www.bosch-ebike.com/en/material-compliance.

Disposal

Batteries, accessories and packaging should be recycled in an environmentally friendly manner. Do not dispose of batteries along with household waste. Apply tape over the contact surfaces of the battery terminals before disposing of batteries.

Do not touch severely damaged eBike batteries with your bare hands – electrolyte may escape and cause skin irritation. Store the defective battery in a safe location outdoors. Cover the terminals if necessary and inform your Whyte retailer. They will help you to dispose of it properly.

Please return batteries that are no longer usable to an authorised bicycle retailer.



In accordance with Directive 2012/19/EU and Directive 2006/66/EC respectively, electronic devices that are no longer usable and defective/drained batteries must be collected separately and recycled in an environmentally friendly manner.

10 Range Extender 10.1 PowerMore 250

PowerMore 250 – Range Extender

Portable energy reserve: PowerMore 250 is the additional drinks-bottle-sized battery for even more range and longer-lasting trail fun. Compact and weighing only 1.6 kilograms, this range extender can be easily stowed in your rucksack until you need it. If you can manage without it, your water bottle can fit in its holder. The range extender can be combined with PowerTubes and CompactTubes of the smart system. Please find out in advance, from Whyte retailers, if you can use the range extender with your eBike. Differing frame designs may not accommodate the range extender, please consult your Whyte retailer for compatibility information.

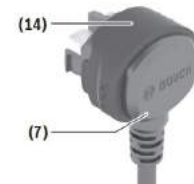
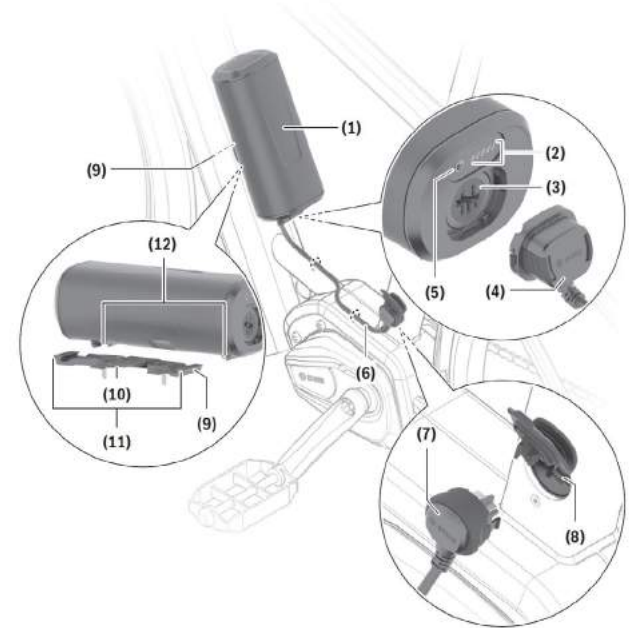
The numbering of the components shown refers to the illustrations on the graphics pages at the beginning of the manual. All representations of bicycle parts, apart from the eBike batteries and their holders, are schematic and may differ from those on your own eBike.

- (1) PowerMore battery
- (2) Status/battery charge indicator
- (3) PowerMore battery connection socket
- (4) PowerMore battery cable connector
- (5) On/off button
- (6) PowerMore battery cable
- (7) eBike charging socket cable connector
- (8) eBike charging socket
- (9) PowerMore battery holder
- (10) Release button for PowerMore battery holder
- (11) Guide rail for PowerMore battery holder
- (12) Guide grooves for PowerMore battery
- (13) Release buttons for PowerMore battery cable connector
- (14) Release mechanism for eBike charging socket cable connector



INFO

Please refer to manufacturers guidance and instruction before using this product. Manuals can be found in your bike box or on the manufacturers website. If you have any doubt in compatibility or installation please contact your Whyte retailer.



10 Range Extender 10.2 Fitting & Technical Data

Fitting

- Ensure the eBike battery is placed on clean surfaces only. Avoid getting dirt, e.g. sand or soil, in the charging socket and contacts.
- The PowerMore battery may only be used in the battery holder on the eBike.



INFO: During installation, pay particular attention to the markings on the battery holder and on the PowerMore battery.



The PowerMore battery is only permitted for installation on the guide rails provided. The guide rails are only permitted for use with the PowerMore battery and the compatible bottle holder. Observe the specifications of the eBike manufacturer.

Testing the eBike Battery Before Using it for the First Time

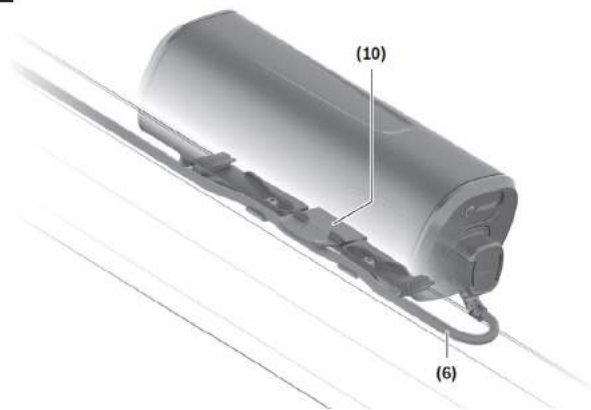
Test the eBike battery before charging it for the first time or using it in your eBike. To do this, press the on/off button (5) to switch the eBike battery on. If none of the LEDs on the battery charge indicator (2) light up, the eBike battery may be damaged.

If at least one (but not all) of the LEDs on the battery charge indicator (2) light up, the eBike battery will need to be fully charged before using it for the first time.



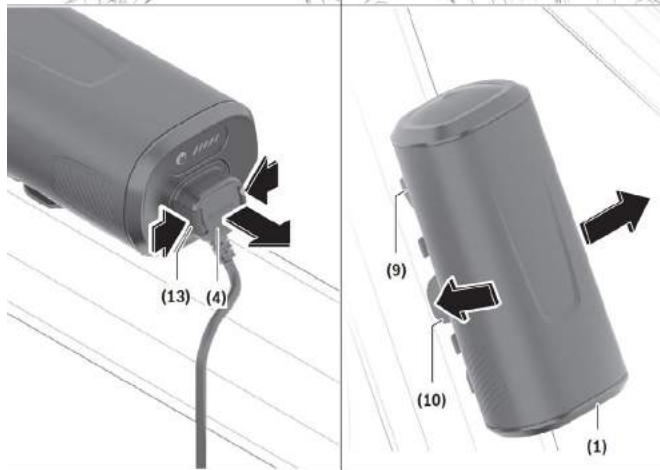
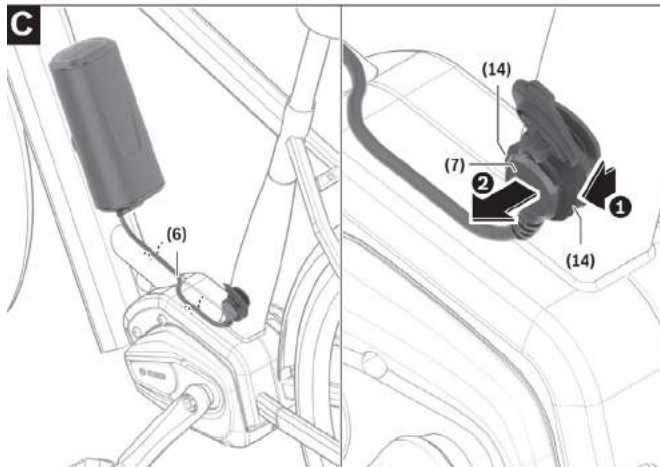
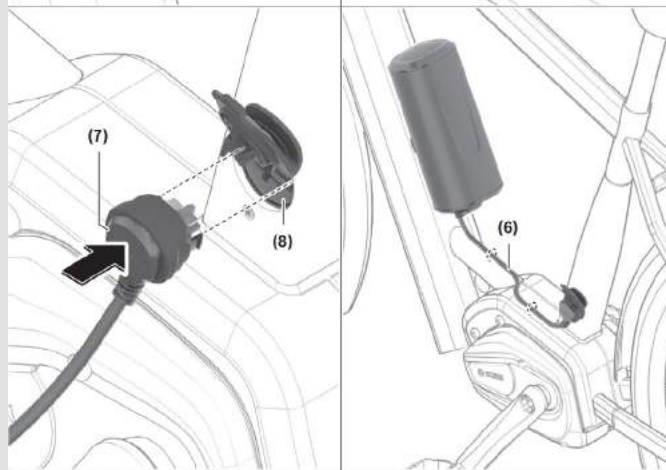
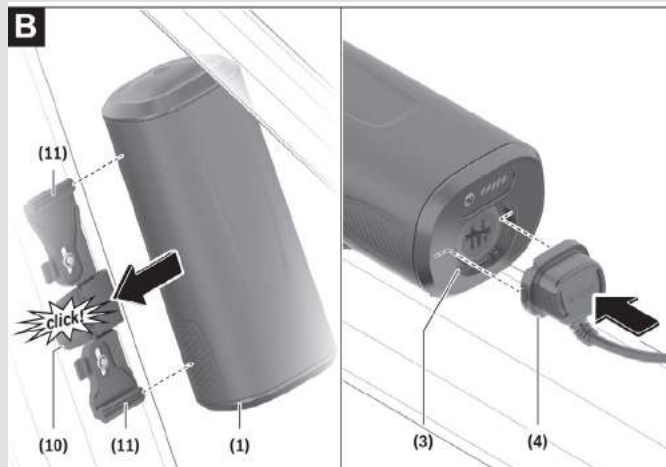
Do not charge or use eBike batteries if they are damaged. Contact an authorised bicycle retailer. Charging damaged batteries can lead to fires that could endanger lives.

A



Technical data

Li-ion battery		PowerMore 250
Product code		BBP3620
Rated voltage	V=	36
Nominal capacity	Ah	6.7
Energy	Wh	250
Operating temperature	°C	-5 to +40
Storage temperature	°C	+10 to +40
Permitted charging temperature range	°C	0 to +40
Weight, approx.	kg	1.5
Protection rating		IP55



Charging the PowerMore Battery

A Bosch eBike battery of the smart system generation of systems must only be charged using an original Bosch charger from the smart system generation of systems.

Note: The eBike battery is supplied partially charged. To ensure full capacity of the eBike battery, fully charge the battery in the charger before using it for the first time.

To charge the PowerMore battery, read and follow the instructions in the 'Charging' section of this manual. The eBike battery can be charged at any state of charge. Interrupting the charging process does not damage the eBike battery.

Battery Charge Indicator Outside of the eBike

Note: The PowerMore battery charge indicator (2) switches back off as soon as the eBike battery is switched on. The five LEDs on the battery charge indicator (2) show the battery's state of charge when the eBike battery is switched on. Each LED represents approximately 20% of the charging capacity. When the eBike battery is fully charged, all five LEDs will be lit.

Laying the Cable on the PowerMore Battery Holder (see Figure A)

Note: When laying the cable (6), make sure that the cable (6) is fed under the release button (10). This prevents the release button (10) from being pressed accidentally and causing the PowerMore battery to be released.

Inserting and Removing the PowerMore Battery

- When inserting the battery into the holder or removing it from the holder, always switch off the eBike battery and the eBike beforehand.
- Once you have inserted the eBike battery, check that it is correctly positioned and secure in all directions.
- Only leave the PowerMore battery with the cable connected to the eBike.
- Once the PowerMore battery is installed, the connection socket of the battery must not face upwards.

Inserting the PowerMore Battery (see Figure B)

To insert the battery (1), align and slide the guide grooves (12) onto the guide rails (11). Ensure that the battery is aligned correctly and that the battery is positioned in both guide rails. Slide the battery (1) into the holder (9) until it audibly clicks into place. Insert the cable connector (4) into the connection socket (3). Ensure that the cable connector (4) is aligned correctly. Insert the cable connector (7) into the eBike charging socket (8). Ensure that the cable connector (7) is aligned correctly.

Removing the PowerMore Battery (see Figure C)

Firstly, disconnect the cable (6) by opening the cable lock as directed by the eBike manufacturer. Pull the release mechanism (14) towards you and remove the cable connector (7) from the eBike charging socket . Press the release buttons (13) and remove the cable connector (4) from the connection socket. To remove the battery (1), press the release button (10) and pull the battery (1) sideways out of the holder (9).

Note: As a result of varying designs, the PowerMore battery may need to be inserted and removed using a different method. Read the eBike manufacturer's operating instructions for how to do this.

10 Range Extender 10.4 Operation, Storage & Maintenance

Operation – Switching on/off

Once the PowerMore battery is connected to the eBike via the PowerMore cable, the eBike can be switched on/off via the on/off button (5). Do not use any sharp or pointed objects to press the button.

To switch off the eBike battery, press the on/off button (5) again. This will also switch the eBike off. If no power is drawn from the drive for about 10 minutes (e.g. because the eBike is not moving) and no button is pressed on the on-board computer or the operating unit of the eBike, the eBike will switch off automatically.

Storage Conditions – If possible, store the eBike battery in a dry, well-ventilated place. Protect it against moisture and water. When the weather conditions are bad, it is advisable to remove the eBike battery from the eBike and store it in a closed room, for example, until you use it next.

Do not store the eBike battery in the following locations:

- In areas without smoke alarms
- Near combustible or easily flammable objects
- Near heat sources
- In locked vehicles (especially in the summer)
- In direct sunlight

To ensure an optimum service life, store the eBike batteries at room temperature. Never store them at temperatures below $-10\text{ }^{\circ}\text{C}$ or above $60\text{ }^{\circ}\text{C}$. Make sure that the maximum storage temperature is not exceeded. Leaving the eBike battery on the eBike for storage is not recommended.

Action in the Event of a Fault – The eBike battery must not be opened, not even for repairs. There is a risk of the eBike battery catching fire, e.g. as a result of a short circuit. This risk continues to apply for any Bosch eBike battery that has ever been opened, even at a later point in time. In the event of a fault, do not have your eBike battery repaired; instead, have your bicycle retailer replace it with an original Bosch eBike battery of the smart system generation of systems.

Maintenance and Cleaning

PLEASE NOTE: The eBike battery must not be submerged in water or cleaned using a jet of water.

Keep the eBike battery clean and avoid contact with skincare products, sun cream and insect repellent. Clean it carefully with a soft, damp cloth. Clean and lightly grease the connector pins occasionally. Use medical or technical Vaseline for this purpose. Please contact an authorised bicycle retailer if the eBike battery is no longer working.





WARNING!

If you transport your eBike attached to the outside of your car, E.g. on a bike rack, remove the on-board computer and the eBike battery (exception: built-in eBike battery) to avoid damaging them.

Transport

The eBike batteries are subject to legislation on the transport of dangerous goods. Private users can transport undamaged eBike batteries by road without having to comply with additional requirements.

When batteries are transported by commercial users or third parties (e.g. air transport or forwarding agency), special requirements on packaging and labelling (e.g. ADR regulations) must be met. When preparing items for shipping, a dangerous goods expert can be consulted as required.

Do not ship batteries if the housing is damaged or the eBike battery is not fully functional. Use only the original Bosch eBike battery packaging when transporting the eBike battery. Apply tape over exposed contacts and pack the eBike battery such that it cannot move around inside the packaging.

Inform your parcel service that the package contains dangerous goods. Please also observe any additional national regulations should these exist.

If you have any questions about transporting the eBike batteries, contact an authorised Whyte bicycle retailer.

You can find information about substances in products at the following link: www.bosch-ebike.com/en/material-compliance.

Disposal

Batteries, accessories and packaging should be recycled in an environmentally friendly manner. Do not dispose of batteries along with household waste. Apply tape over the contact surfaces of the battery terminals before disposing of batteries.

Do not touch severely damaged eBike batteries with your bare hands – electrolyte may escape and cause skin irritation. Store the defective battery in a safe location outdoors. Cover the terminals if necessary and inform your Whyte retailer. They will help you to dispose of it properly.

Please return batteries that are no longer usable to an authorised bicycle retailer.



In accordance with Directive 2012/19/EU and Directive 2006/66/EC respectively, electronic devices that are no longer usable and defective/drained batteries must be collected separately and recycled in an environmentally friendly manner.

11 Electrical Components 11.1 Wiring Identification

Item	Part/Location Description
A	Charge Port
B	BCC (COBS-Battery) Cable
C	Battery
D	HMI (TT Controller) Cable
E	BCC (Motor-Battery) Cable
F	Motor

Wiring Detail

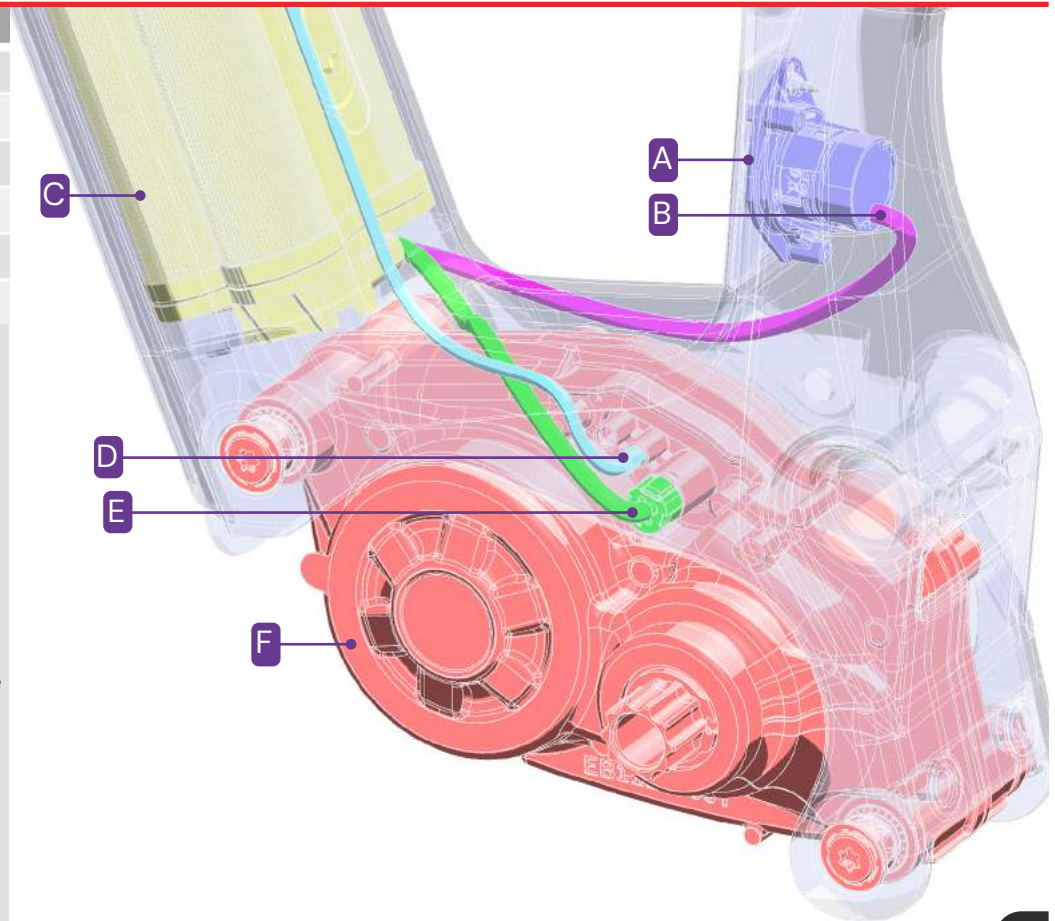
The installation and replacement of the electric system components requires an advanced technical knowledge. Always take your bicycle to an authorised retailer for the diagnosis, repair and installation of the electric system components.

Damage to components caused by incorrect installation will void your Whyte and Bosch Warranty.

Please ensure cable routing follows the illustration. HMI cable (D) should travel above the battery to allow smooth battery removal and correct cable length/tension. Cable replacement will require motor removal. Please refer to the 'Motor Removal' section of this manual.



INFO: Lights may be fitted to your E-Lyte which use the Bosch Battery power. Please contact your Whyte retailer for further product and installation details.



11 Electrical Components 11.2 Top Tube Controller

ITEM	Part/Location Description	Part Code
A	Top-Tube Adapter	WHYE-31
B	Top-Tube Controller	EB13100000
C	M4 x 30 Screw	WHYE-31

Tools required to remove the Top-Tube Controller:

- T10 Torx Screwdriver

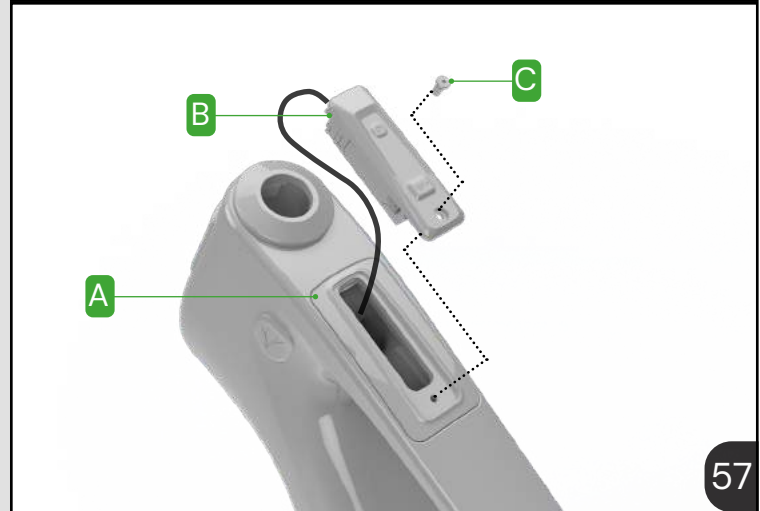
Top-Tube Controller Removal.

To remove the Top-Tube Controller (B) use a T10 Torx screwdriver to undo the securing screw (C). Once the screw has been removed, the Top-Tube Controller (B) is free to be lifted out of the Top-Tube Adapter (A). The Top-Tube Controller (B) will be connected to the HMI cable which can be disconnected if required. To install the Top-Tube Controller (B), reverse the process.

The Top-Tube Adapter (A) can be removed after the Top-Tube Controller (B) has been freed. The adapter can be changed to suit future versions of Top-Tube Controllers (B).



INFO: Many bolts will feature a coloured thread-lock patch applied to secure fixing under torque. Repeated removal and installation may remove the thread-lock over time. In this scenario ensure the thread is cleaned to remove dirt and grease. Add new liquid thread-lock during installation.



12 MAINTENANCE & SERVICING 12.1 Cleaning & Lubrication



WARNING! Failure or improper maintenance can lead to performance defects, malfunctions, or imperfections to the bicycle assembly which could result in serious injury or death.

Cleaning & Lubrication:

Regular preventative maintenance can maintain your bikes performance and increase the durability. All of the details mentioned in this section are based upon normal suggested use. If the bicycle is used for rides in extreme conditions of rain and snow or on irregular terrain, then maintenance needs to be performed more regularly.

Whyte Bikes suggest that your bicycle is returned to a Whyte retailer for a professional inspection and service at least once a year. Please ensure you follow the recommended service schedule found in this manual.

Cleaning: When cleaning your bicycle there are many methods. Whyte recommends using a very steady stream of water and avoid using pressure washers. Pressure washers can force water past sealed joints, causing premature mechanical wear. Your bicycle must be cleaned with a soft, damp cloth or sponge. Use a suitable detergent or bike cleaner to aid removal of grease/oil based products.

Avoid leaving your bicycle out in the weather. When not riding, store your bike where it will be protected from rain, snow, sun, etc. Rain or snow may cause the metal on your bicycle to corrode. Ultraviolet radiation from the sun may fade the paint, or crack any rubber or plastic on the bicycle.



WARNING! Do not use a steam cleaner or a high pressure cleaner to clean your eBike. Contact of water and electronics can destroy the drive unit. Drive units should be cleaned with a soft rag and neutral detergents. A moist rag can be used but ensure excessive water is avoided. Do not submerge any electrical component.



INFO: Some cleaning products can be damaging to your bicycle. Harsh chemicals can damage paint, plastics and even metal components. Please use bike suitable cleaning products or if in doubt contact your Whyte retailer.



WARNING! Take care when cleaning near disc brakes. Cleaning products or lubricants that come into contact with the discs or pads can considerably reduce braking power which could result in serious injury or death.



INFO: For cleaning and servicing recommendations of bike parts such as forks, shock, pedals and cranks please consult the relevant manufacturers manuals.



WARNING! Avoid washing your eBike in the upside down position. By turning the eBike upside down the frame can no longer drain water or debris. Build up of water and debris inside the frame can damage electrical components.

12 MAINTENANCE & SERVICING 12.1 Cleaning & Lubrication

Lubrication: Check all the moving parts of your bike, especially the chain. Check the chain for wear and damaged or tight links regularly. Keep the chain lubricated with 3 in 1 oil with PTFE, or similar. Apply the lubricant to the internal parts of the chain. Avoid contaminating the brake discs or pads with lubricant. This will stop the brakes working effectively. Rotate the transmission and by changing the gears, get the chain to run briefly on all available sprockets. This will also lubricate them and prevent corrosion. Wipe off excess lubricant with a lint-free cloth. Talk to your Whyte retailer about the best lubricants and the recommended lubrication frequency for your area.

The most effective application of lubricant is after cleaning. Apply lubricants after the bike has dried for best results. Lubrication must be proportional to the frequency of use, riding environment and conditions.

Lubricate all pivot points on the rear dérailleur, including the dérailleur pulleys and wipe the excess away with a lint free cloth. Whyte suggests lightly greasing your seatpost at least once a year to prevent it from seizing. Use friction paste at the contact points between frame and post. This is especially important on carbon frames as this will allow you to lower tightening torques and not damage components.



Recommended tools & spares for regular maintenance:

- Torque wrenches with lb•in or Nm gradations from 3 Nm to 15 Nm and also from 10–60 Nm (Nm = Newton Metres). Plus 2, 2.5, 4, 5, 6, 8 & 10mm hexagonal inserts.
- High pressure low volume air pump (for rear shock or suspension fork).
- 2, 2.5, 4, 5, 6, 8 & 10 mm Allen keys.
- T25 & T10 Torx key.
- 8, 10 & 15mm open-end spanners.
- No. 1 Phillips head screwdriver.
- Bicycle chain splitter tool.
- Bicycle tyre levers.
- Bicycle tyre pump with pressure gauge.
- Bicycle spoke key.
- Spare bicycle inner tubes* & tyres*.
- Spare brake pads / blocks*.
- Spare “Power-link” chain link*.
- Spare control cables.
- Synthetic bicycle chain lube.
- Synthetic bicycle grease.
- Frame polishing protectant.

* These spares are specific to the specification of your bicycle, make sure you order the correct size & specification of replacements, manufactured by the original equipment manufacturer.

12 MAINTENANCE & SERVICING 12.2 Rear Shock



INFO: For cleaning and servicing recommendations of bike parts such as forks, shock, pedals and cranks please consult the relevant manufacturers manuals.



WARNING! Failure or improper maintenance can lead to performance defects, malfunctions, or imperfections to the bicycle assembly which could result in serious injury or death.



CAUTION: Many fixings used to secure the rear triangle to the main frame have thread-lock applied which may appear as a patch of red or blue on the threads. These patches stop the fixing from coming loose under vibration and secure the fixing under torque. Repeated removal and installation of bolts remove the patch and reduce the effectiveness. Whyte recommends cleaning any dirt and grease from the threads and replacing the liquid thread-locker when required.



INFO: Whyte frames have been designed and tested to work with the suspension components that come provided as stock with your purchase. Our design and professional race team have refined the shocks performance to work with your bike. If a change of shock is desired then be aware certain models are non compatible due to size, position of reservoir, or control points. Please consult your Whyte retailer before making any changes.



WARNING! Replacing the stock shock with a non-compatible shock may cause damage to components or frame and could affect the performance of the bike resulting in an accident.

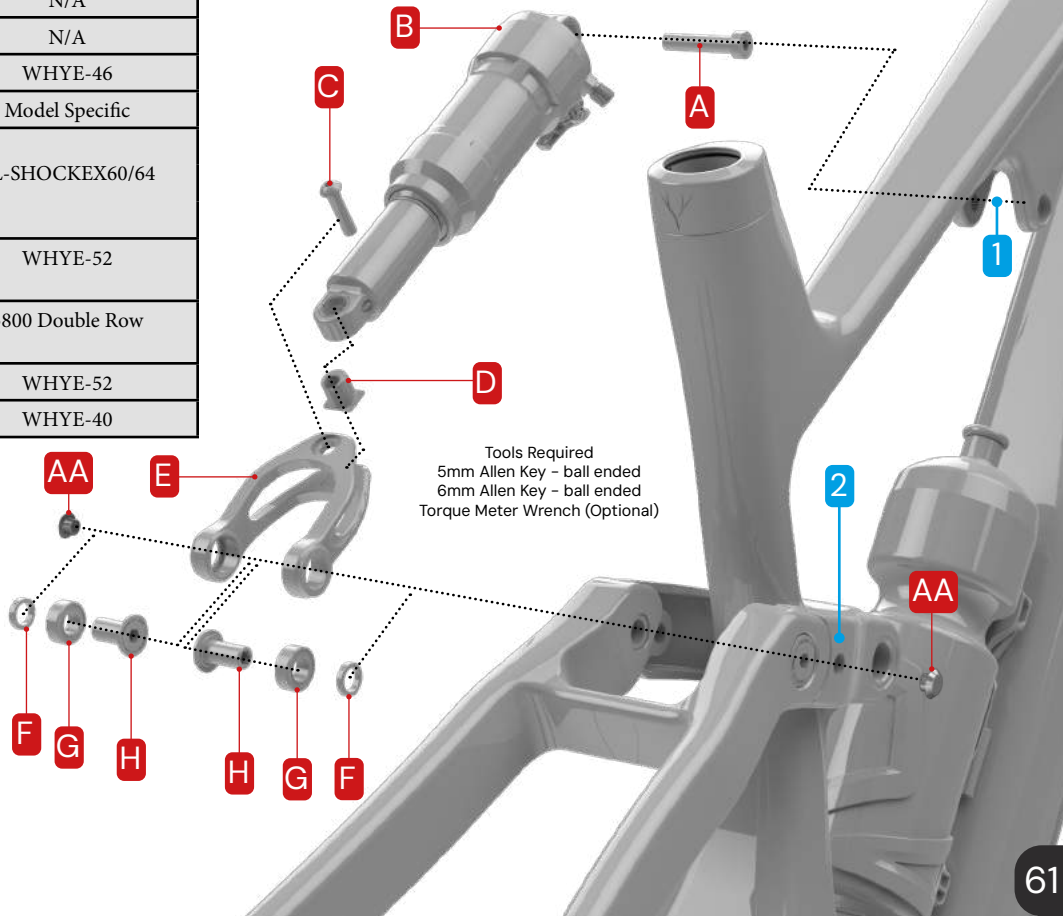


12 MAINTENANCE & SERVICING 12.2 Rear Shock

ITEM	Part/Location Description	Spare Part Kit Code
1	Top-Tube Shock Mount	N/A
2	Rocker Link	N/A
A	M8x40 Cap Head Bolt	WHYE-46
B	Shock	Model Specific
C	M6 Socket Head Screw	EL-SHOCKEX60/64
D	Bushing	
E	Shape-It Link (shock extender)	
F	3mm Shield Washer (O.D 14mm I.D 10mm)	WHYE-52
G	7mm Bearing (O.D 19mm I.D 10mm)	3800 Double Row
H	Pivot Screw (M10 x 20mm)	WHYE-52
AA	Rocker Link Plug	WHYE-40

i INFO: Pay attention to the torque settings stated on the external face of the Pivot Screw (H). Whyte bikes advices you to use a Torque wrench to ensure the correct amount of force is applied to critical fixings.

i INFO: Many bolts will feature a coloured thread-lock patch applied to secure the fixings under torque. Repeated removal and installation may remove the thread-lock over time. In this scenario ensure the thread is cleaned, removing dirt and grease. Add new liquid thread-lock during installation.



12 MAINTENANCE & SERVICING 12.2 Rear Shock

Removal of the Rear Shock – To remove the rear shock, use a 5mm Allen key to undo the M8 Cap Head Bolt (A) from the Top-Tube Shock Mount (1). Once the bolt has been removed the Shock (B) is released from the front triangle. Next, Whyte recommend to remove the Shape-It Link (E) from the Rocker Link (2) to make extraction easier. Using the 5mm Allen Key, unscrew and remove the two M15 Pivot Bolt (H). You can now remove the Rear Shock (B) and Shape-It Link (E) from the bike as pictured in the diagram on the previous page. Take care to retain the Bearings (G) and Shield Washer (F) during the shock extraction. Ensure these components are kept safe and replaced in the original positions during re-assembly.

Once removed from the bike, to separate the Shock (B) from the Shape-it Link (E), use the 5mm Allen key, undo and remove the M8 Cap Head Bolt (A) from the Shape-it Link (E). Next, separate the Shock (B) from the Shape-it Link (E). The shock Bushing will remain seated in the Shock eyelet.

Re-Assembly of the Rear Shock onto the Frameset.

Take the rear Shock (B) and apply either SKF LG/AF 3E or Castrol Optimol T anti-fret paste onto the side faces of the shock bushes, that contact the Main Frame and Shape-It Link (E). Slide the front of the rear Shock (B) into the Main Frame and Shape-It Link (E).

Align the head of the rear Shock (B) with the top-tube mount (1), then using a 5mm Allen Key secure the shock screwing the M8 Cap Head Bolt (A) through the Top-Tube Mount (1) and Shock (B) head. Next, make sure that the holes in the Shape-It Link (E) line up with the rear end of the Shock (B). Insert the M6 Socket Head Cap Screw (C). Using the 5mm AF Allen tighten all bolts and wipe off any excess grease.

ITEM	Part/Location Description	Spare Part Kit Code
1	Top-Tube Shock Mount	N/A
2	Rocker Link	N/A
A	M8x40 Cap Head Bolt	WHYE-46
B	Shock	Model Specific
C	M6 Socket Head Screw	EL-SHOCKEX60/64
D	Bushing	
E	Shape-It Link (shock extender)	
F	3mm Shield Washer (O.D 14mm I.D 10mm)	WHYE-52
G	7mm Bearing (O.D 19mm I.D 10mm)	3800 Double Row
H	Pivot Screw (M10 x 20mm)	WHYE-52
AA	Rocker Link Plug	WHYE-40



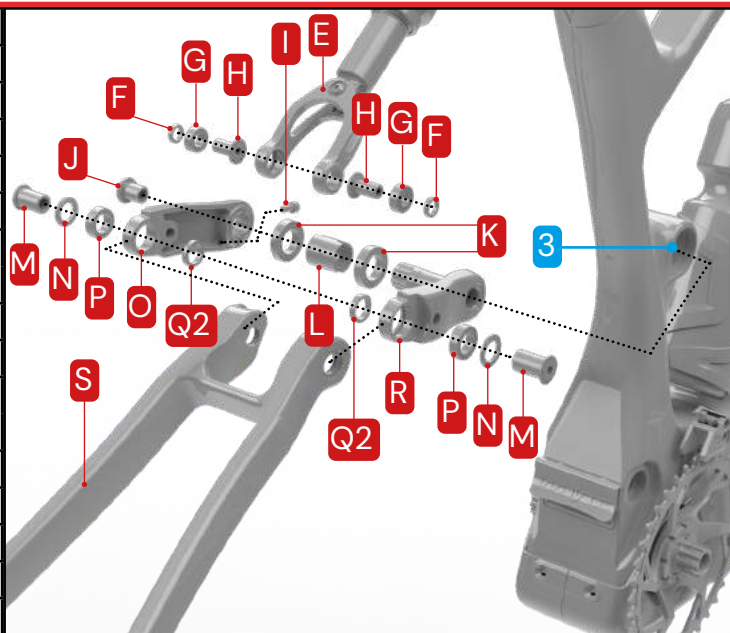
CAUTION! Ensure the Rear Shock (B) and the Shape-It Link (E) are the correct way up, with any dials and levers facing downwards and towards the front of the frameset, reference exploded 'Rear Swing Arm' diagram.



INFO: Pay attention to the torque settings stated on the external face of the Pivot Screw (H).

12 MAINTENANCE & SERVICING 12.3 Seat Stay Rocker Link

ITEM	Part/Location Description	Spare Part Kit Code
3	Link Pivot	N/A
E	Shape-It Link	EL-SHOCKEX60/64
F	3mm Shield Washer (O.D 14mm I.D 10mm)	WHYE-52
G	7mm Bearing (O.D 19mm I.D 10mm)	3800 Double Row
H	Pivot Screw (M10 x 20mm)	WHYE-52
I	M5x16mm Rocker Pinch Bolt	EL-LINK
J	Pivot Screw (M15 x 19,5mm)	
K	7mm Bearing (O.D 32mm I.D 20mm)	6804V
L	Rocker Sleeve	EL-LINK
M	Pivot Screw (M15 x 25,5mm)	WHYE-42
N	2.5mm Shield Washer (O.D 23mm I.D 15mm)	
O	Rocker Link Non-DS	EL-LINK
P	7mm Bearing (O.D 24mm I.D 15mm)	3802V2RD
Q2	4mm Washer (O.D 20mm I.D 15mm)	WHYE-42
R	Rocker Link DS	EL-LINK
S	Seatstay	N/A



Start by using the 6mm Allen Key, unscrew and remove the two M15 Pivot Screws (M). This will release the Seat-stay (S) from the Link (O,R). All bearings (G,K,P) have been press fit and should remain retained within the frame and rocker link. Be careful to retain all the washers (F,Q2) and shield washers (N) as these fixings will come loose. Next, loosen the Rocker Pinch Bolt (I), removal is not required. Using the 6mm Allen Key, unscrew and remove the M15 Pivot Screw (J) at the front of the Link (3). Removal of the M15 Pivot screw (J) releases the two halves of the Rock Link (O,R) allowing the separation from the frame for maintenance (prior disassembly of the rear shock is required (Page 61-62))

Tools Required

- 5mm Allen Key – ball ended
- 6mm Allen Key – ball ended
- Torque Meter Wrench (Optional)



INFO: Pay attention to the torque settings stated on the external face of the Pivot Screws.

12 MAINTENANCE & SERVICING 12.4 Chainstay

ITEM	Part/Location Description	Spare Part Kit Code
4	Main Pivot	N/A
N	2.5mm Shield Washer (O.D 23mm I.D 15mm)	WHYE-44
P	7mm Bearing (O.D 24mm I.D 15mm)	3802V2RD
T	Chain-Stay	N/A
U	Collet Sleeve	WHYE-44
V	Collet Pin	
W	Collet Insert	
X	Collet Insert screw M6x20	

Chain-Stay & Bearing Removal

Using the 5mm Allen Key loosen the M6 Cap Screw (X) from the Collet Pin (V). The expanding Collet Insert (W) should no longer be applying force to the Collet Pin (V). Using the 6mm Allen Key, unscrew from the opposite side and remove the Collet Pin (V). The expanding Collet Insert (W), Collet Pin (V), and Collet Insert (X) may now be completely removed as one. Note: this must be extracted from the Non-Drive Side of the Pivot Pin.

The Chainstay (T) may now be removed from the Main Pivot (4). Be careful to retain the two shield washers (N) as these fixings will be loose and required for re-assembly.

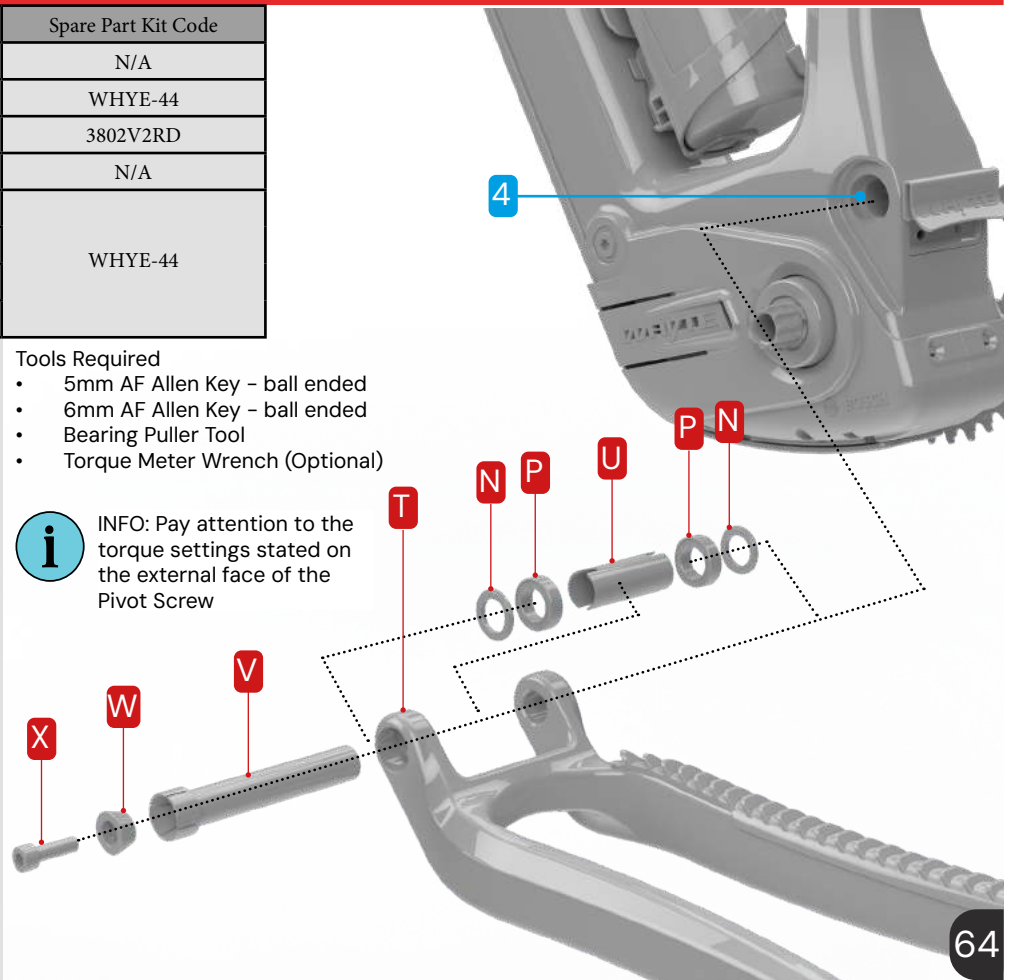
To remove the bearings (P), use a puller tool to extract the bearings (P) from both sides of the Main Pivot (4). Align the removal tool carefully with the slots in the Collet Sleeve (U).

Tools Required

- 5mm AF Allen Key – ball ended
- 6mm AF Allen Key – ball ended
- Bearing Puller Tool
- Torque Meter Wrench (Optional)



INFO: Pay attention to the torque settings stated on the external face of the Pivot Screw



12 MAINTENANCE & SERVICING 12.5 Rear Triangle

Chain-stay & Seat-stay Split

Using a 6mm Allen Key unscrew both Pivot Screws (M). The Chain-Stay (T) and Seat-Stay (S) can now be pulled apart. Bearings are press fit and will remain in place. Take care to retain all washers (N,Q) as they will become loose after the removal of Pivot Screw (M). To remove bearings, use a bearing puller whilst taking care not to damage the Seat-stay (S).

UDH removal

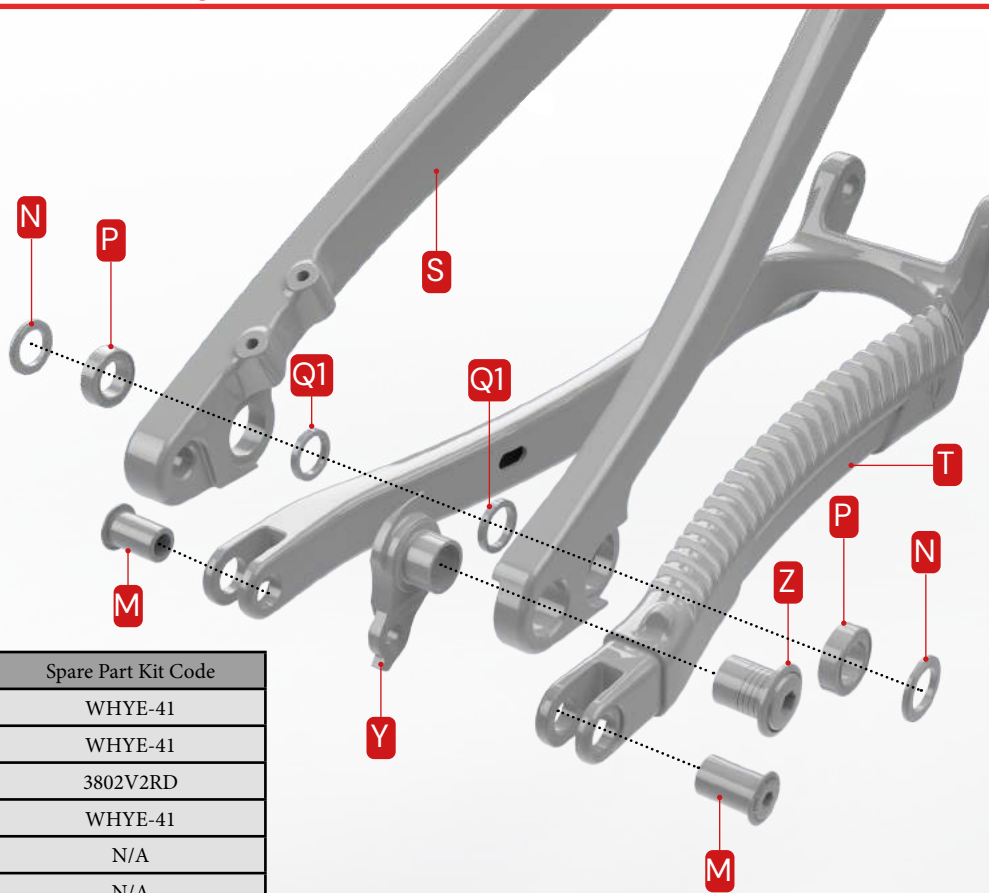
To remove the UDH from the Chain-Stay (T), use an 8mm Allen Key. Unscrew the UDH Screw (Z) to free the UDH hanger (Y). Take care not to lose the washer that is positioned drive side. When assembling tighten to 25Nm (22in-lbs).

Tools Required

- 6mm AF Allen Key – ball ended
- 8mm AF Allen Key – ball ended
- Bearing Puller Tool
- Torque Meter Wrench (Optional)



INFO: Pay attention to the torque settings stated on the external face of the Pivot Screw



ITEM	Part/Location Description	Spare Part Kit Code
M	Pivot Screw (M15 x 25.5mm)	WHYE-41
N	2.5mm Shield Washer (O.D 23mm I.D 15mm)	WHYE-41
P	7mm Bearing (O.D 24mm I.D 15mm)	3802V2RD
Q1	3mm Washer (O.D 20mm I.D 15mm)	WHYE-41
S	Seat-Stay	N/A
T	Chain-Stay	N/A
Y	UDH Body	N/A
Z	UDH Screw	N/A

Bearing Insertion

Before inserting the bearings, make sure all the components are clean from dirt and have been thoroughly de-greased. To press bearings into the mating component, apply a small amount of Locktite 638 to the outside diameter of the bearing and to the inside bore of the mating component. Next, assemble the components in the sequence of the illustrated exploded views. It is very important to make sure the bearing and bearing Insertion tool are squarely seated against the mating component. With great care, slowly tighten the press until you can see the bearing being pressed squarely into the mating component. Once the bearing is fully seated and you can no longer tighten the press, remove the bearing press tool. Remove any excess Locktite from around the bearing, particularly in any internal threads.



INFO: Locktite may need time to cure. Ensure you follow the products instructions for correct application and cure time.

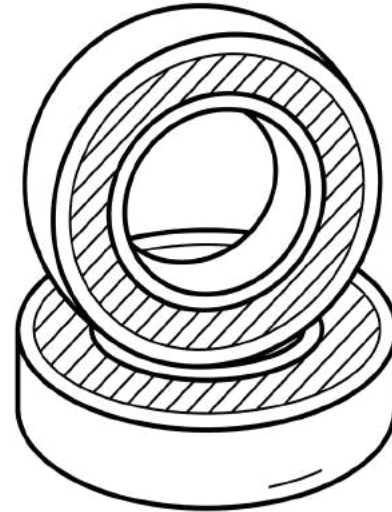
Re-assembly of shield washers / spacers

Apply a good quantity of grease on top of the bearings (recommended grease applications: SKF LGEP2, Castrol Spherol AP3, Finish Line Teflon White Lithium-Complex). The grease should completely cover each bearing and be applied on both sides of each bearing subsequent to the bearing being pressed into it's housing in the relevant component.

Assemble the shield washer components to reflect the exploded views in this manual. If you have applied enough grease, it should spread from under the shield washer or spacer components as they are positioned. Wipe this excess grease away from around the shield washer or spacer components.



CAUTION: Whyte recommends the correct tools and products are used at all times when performing maintenance to your bicycle. Substitute products can damage your bicycle and warranty. Please contact your Whyte retailer for assistance if in doubt.



INFO: Build up of dirt or grit in bearing housings can cause premature wear. Damage due to lack of maintenance/cleaning is not covered by your Whyte warranty.



INFO: Always check pivot bearings before every ride. Bearings should last between 75-125 hours of riding or every 12 months, whichever ever comes first. This is dependant upon riding style and conditions.



WARNING! Do not pressure wash bearings as important greases will be stripped. This can damage the bearings and the frame whilst affecting the performance of your bicycle.

12 MAINTENANCE & SERVICING 12.7 Chain Guide Removal/Install

ITEM	Part/Location Description	Spare Part Kit Code
D	Chain Guide	WHYE-53
E	M5 x 16 Screw	WHYE-38



INFO: Not all E-Lyte models come with a Chain Guide (D). All E-Lyte models can be equipped with Chain Guides (D) if required. Please get in contact with your Whyte retailer who will be able to help or visit the online Whyte shop to purchase your Whyte Chain Guide (D). Link: <https://whytebikes.com/collections/parts-accessories>



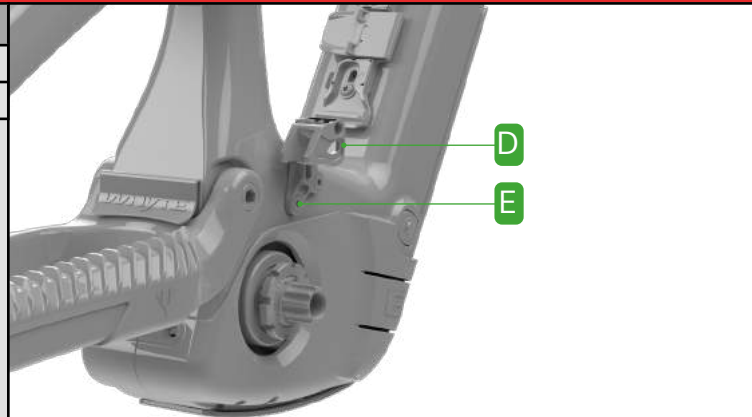
Chain Guide Removal/Install

To gain access to the Screws (E) that secure the Chain Guide (D), the chain ring may need to be removed for access depending on size. To remove the chain ring please refer to the 'Battery Removal' section of this manual.

When you have access to the two screws (E), use a T25 Torx screwdriver to remove the screws from the frame. This will free the Chain Guide (D) from the frame. To install the Chain Guide (D) reverse the process and tighten Screws (E) to a recommended torque setting of 4-6Nm / 44-62 IN lbs. Be careful to avoid over tightening as this may damage the paint

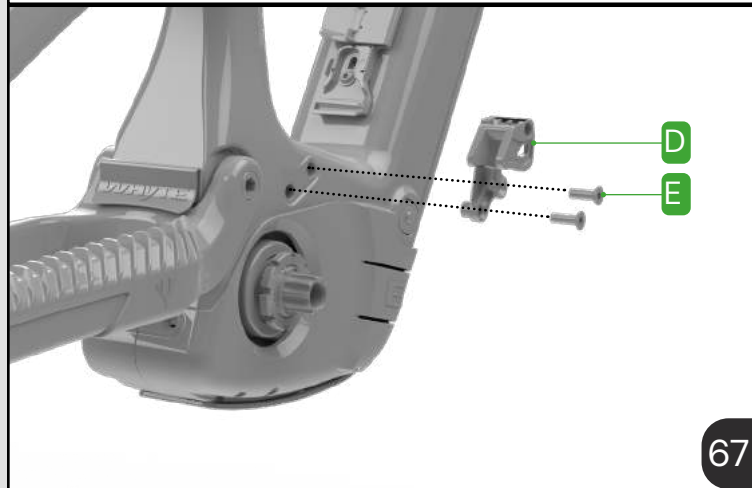


INFO: Many bolts will feature a coloured thread-lock patch applied to secure the fixing under torque. Repeated removal and installation may remove the thread-lock over time. In this scenario ensure the thread is cleaned to remove dirt and grease. Add new liquid thread-lock during installation.



Tools required to Remove the Top-Tube Controller:

- T25 Torx Screw Driver



12 MAINTENANCE & SERVICING 12.8 Brakes

Follow the safety instructions listed here. Any failure to follow these safety instructions could cause you to crash while riding your bicycle, which could result in serious and/or fatal injuries.

1. Whyte bikes are fitted with hydraulic disc brakes that are intended for single-rider use; they are not intended for multi-rider cycling equipment.
2. Ensure your brakes are installed, secured, and maintained by a qualified bicycle mechanic. Brakes are a safety-critical component of a bicycle. Improper installation or use of brakes can result in loss of control of the bicycle which can lead to a crash that can cause severe injury and/or death. Follow the instructions in the manufacturers user manual for proper installation.
3. Whyte's eBikes are fitted with powerful braking systems. Disc brakes offer increased stopping power over rim brakes and take less effort to lock-up a wheel when braking. Wheel lock-up may cause you to lose control and lead to injury. Practice braking techniques on a flat level surface prior to aggressive riding.
4. Braking effectiveness is influenced by bicycle speed, braking force, condition of the bike, weight of the rider, weather, terrain, and a variety of other factors. Always ride under control. It takes longer to stop in wet conditions. To reduce the possibility of a crash avoid locking-up your wheels.
5. For maintenance, replacement parts or adjustment please consult your local Whyte retailer or the manufacturers manuals.
6. Do not allow any brake fluid or oil to contact the brake pads. If this occurs, the pads are contaminated and must be replaced.
7. Do not allow any brake fluid or oil to contact the rotors. If this occurs, clean the rotors with isopropyl alcohol.
8. Do not touch disc brake rotors or callipers immediately after use; they become very hot during use and could cause burns. Allow them to cool prior to making any adjustments.



WARNING! Brake pads must be replaced if the total thickness of the backing plate and pad friction material is less than 3mm. Riding with backing plate and pad friction material less than 3mm can result in reduced braking performance, crash, and/or death. The rotor must be replaced if the total thickness is less than 1.55 mm, or when changing pad friction material.



INFO: Please note front and rear brake levers change sides dependant upon country/state. Ensure you identify which brake lever operates each brake.



WARNING: Weather conditions will change braking performance and braking distances. Always take extra care in adverse conditions.

12 MAINTENANCE & SERVICING 12.9 Tyres & Rims

Consult the manufacturers manuals for specific tyre and rim information. Clearance around tyres must be maintained as increasing tyre size may require an increased rim width. Any changes to tyre widths and sizes may affect your bikes performance. Changes to tyre clearances may cause mechanical interference, failure, and damage to the frame. Inspect tyres closely for sufficient clearance.

If your bike uses inner tubes you should check the condition of your inner tubes on a regular basis. When replacing tyres, be sure to also replace the inner tubes. Stretched inner tubes can crease and fail due to thinning of the inner tube rubber. Make sure your inner tube size markings match the tyre size. Please contact your Whyte retailer if you are unsure whether your wheels are tubeless or use inner tubes.

Only use tyres for designated terrain, on an appropriate bicycle and using proper safety equipment at all times. After replacing worn tyres, take time to become acquainted with the handling and performance of your new tyres.

Follow tyre pressure guidelines located on your tyre and rim. Check your tyre pressure before every ride. Ensure any replacement tyre is compatible with your bikes rims to ensure correct fitment and tyre pressures. Also check your valve cores for damage and if found to be damaged replace them.



WARNING! Failure to follow manufacturers recommended rim and tyre pressures can lead to mechanical failures which could result in a serious accident or even death.



WARNING! Wheels must not be used if they are damaged or show signs of damage in some way. If in any doubt, consult your Whyte retailer.



WARNING! The wheels should be used only in accordance with their intended use. Otherwise the user shall assume responsibility. The maximum system weight of the EPAC must not be exceeded.



WARNING! Check Tubeless Ready Tape every three months for signs of wear

Essential Checks

1. Check your tyres for damage before and after riding. Punctured, cracked, bulging or blistered tyres should be replaced immediately. If not replaced, damage can result in sudden and complete tyre failure.
2. Check to ensure the beads of the tyres are fully and evenly seated around the entire circumference of the rims before every ride. Do not cut, sipe or otherwise modify your tyres.
3. Check your wheel assembly for trueness and even spoke tension before use and each time the tyre is removed or replaced. Check for broken or damaged spokes and replace as necessary. Replace bent or damaged rims or wheels immediately.
4. Liquid sealants should only be used in the following types of tyres: Tubeless Road, Tubular, and Tubeless Ready. Tube-type tyres should only be used in conjunction with an inner tube on an approved rim.
5. Store your tyres in a safe place at a constant temperature. Do not store tyres in direct sunlight for extended periods of time. Allowing tyres to stand in oil, gasoline or other chemicals may have an adverse affect on the rubber compounds of the tyre.
6. Regularly check the spoke tension, dish and wear of the wheel.
7. Check that the wheel is attached correctly before each ride.

PLEASE NOTE: All replacement components must be original. For assistance regarding maintenance or damage please contact your local Whyte retailer or Whyte Bikes directly.



WARNING! Inspect the hub flange, where the heads of the spokes are hooked (or otherwise attached) to the hub flange, for cracks. Inspect the rim where the spokes meet the rim. It is not uncommon to see cracks form where the spokes meet the rim.



WARNING! Do not fill your tyres with an air compressor, such as those found at a gas/petrol stations. Tyre inflation can occur too quickly and air pressure can cause your tyre to blow off the rim, which can cause serious injury.



CAUTION! Do not use metal tyre levers. These can damage the surface of the rim, tyre, or inner tube.

12 MAINTENANCE & SERVICING 12.10 Component Life Span

To maximise your Whyte bikes performance numerous components have been manufactured using carbon fibre and light weight alloys. Differing materials will wear and fatigue at different rates based upon your riding style. It is very important that you check your bike over for signs of wear and damage on a regular basis. Please pay attention to the following recommendations and warnings to ensure your safety.



WARNING! As with all mechanical components, EPAC-MTBs are subjected to wear and high stresses. Different materials and components may react to wear or stress fatigue in different ways. If the design life of a component has been exceeded, it may suddenly fail, possibly causing injuries to the rider. Any form of crack, scratches or discolouration in highly stressed areas indicate that the life of the component has been reached and it should be replaced.



WARNING! For composite components, impact damage may be invisible to the user, please ensure a Whyte retailer inspects the bike after a crash. The decision as to whether a repair is to be carried out free of charge rests solely with the manufacturing company and in no circumstances is there any claim to cost-free repair.

Storage: Store your Whyte bicycle and/or wheels where they will not be an obstruction and have protection from dangerous conditions. Do not park your bicycle or wheels near any heat or open flame sources as this can damage the rubber and paint. Ultraviolet radiation from the sun can fade the paint and crack the rubber or plastic on your bicycle. Before you store your bicycle and/or wheels for an extended time, clean and service them. Whyte recommends that your bike is hung off the ground with the tyres at approximately half the recommended inflation pressure.

Checks: Check components for signs of stress, scratches, cracks, dents, deformation or discolouration. If any of the mentioned signs are found then don't ride your bicycle until a trained mechanic has checked the bicycle over.



WARNING! Your E-Lyte's rear tyre width should not exceed 2.4" (61mm) in width as this will not provide sufficient wheel clearance.



WARNING! DO NOT make changes or modify your Whyte bikes wheels. Wheelsets are manufactured and tested using approved components (e.g., hubs, rims, rim tape/strip, spokes, spoke nipples, valves, and specified tyre type). Changing or substituting any of these parts can result in damage to the wheel assembly leading to an accident or voiding of applicable warranties.

Delamination:

Delamination is serious damage. Composites are made from layers of fabric. Delamination means that the layers of fabric are no longer bonded together. Do not ride any bicycle or component that has any delamination.

Delamination clues:

- A cloudy or white area. This area looks different from the ordinary undamaged areas. Delaminated areas will look opaque and cloudy.
- Bulging or deformed shape. If delamination occurs, the surface shape may change. The surface may have a bump, a bulge, soft spot, or not be smooth and fair.

12 MAINTENANCE & SERVICING 12.11 Wheel Axle

Front Axle Removal.

To remove your E-Lyte's front wheel the front axle must be removed. To do this please follow the links to the corresponding fork manufacturers instructions below.

FOX Axle System



Rockshox Axle System



Rear Axle Removal

The 12mm rear axle can be removed quickly and easily using a 5mm Allen Key. The axle can only be removed from non-drive side but can be unscrewed from both ends. For further details please follow the video link below.

Video Link



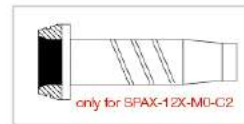
WARNING! When installing front and rear axles please follow manufacturers recommended torque settings.



12mm axle with CNC cuts to reduce weight and prevent debris preventing removal/insertion



Allen Key Fits at both ends of axle to improve the products lifespan



P.A.T. ED

13 Ride Changes

Whyte bikes are designed and built around the very best components available on the market. Zero compromise and maximum performance is our mantra. All suspension components have been custom tuned to turn every millimetre of the travel into extra speed and traction to deliver riders the perfect balance of support, grip, confidence, and control right from the first ride.

Whyte understands that riders have their own specific set-ups, styles, personal preferences and desired aesthetics for their bikes. This may result in changing stock components on the bicycle. This is not recommended by Whyte as replacement parts may not be suitable and affect the bikes performance and riding habits. If you change any components be sure to contact a Whyte retailer for advice on compatibility. All parts should be fitted by a qualified mechanic and regularly checked.

If you change components or add accessories, you do so at your own risk. Whyte may not have tested that component or accessory for compatibility, reliability or safety on your eBike.



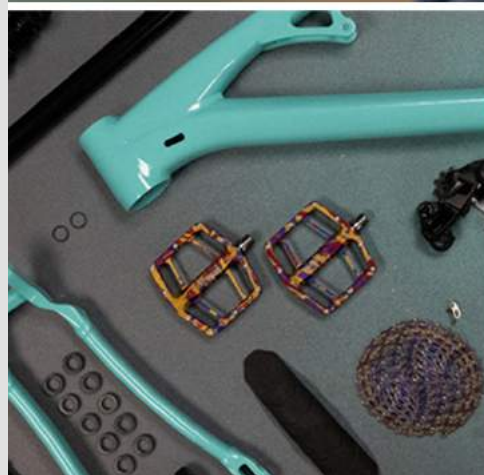
WARNING! Whyte does not recommend changing stock parts. This may affect the riding characteristics of the bike, damage to the bike, and could lead to an accident. All parts fitted to Whyte bikes should be completed by a qualified professional mechanic. If you have any doubts please contact your Whyte retailer.



WARNING! Do not modify or alter your eBike, or install additional equipment with the intention of increasing the performance and/or top speed of the eBike. Modifying an eBike to increase its performance or speed may be unlawful and can result in component failure or a loss of control, leading to a crash resulting in serious personal injury or death.



WARNING! Only use the battery supplied with your eBike, or a replacement battery that is designed specifically for use with your eBike. Only use a charger that is supplied with your battery, or that is confirmed as compatible by the battery or eBike manufacturer. Do not use other chargers or power supplies to charge your battery pack.



WARNING! Changes to fork lengths will alter the geometry of the bike affecting the way the bike performs. Whyte Bikes strongly recommend that the axle-crown length is maintained.

14 TRANSPORT

Transporting Your eBike and Battery

Lithium-ion batteries are classified and regulated by transportation authorities as “Dangerous Goods” because of the inherent risk of a fire if they are damaged during transport. Check your local laws for details about shipping and transporting an eBike battery.



WARNING! Pay attention to the additional weight of an eBike when carrying, transporting, pushing, lifting, maneuvering or parking your eBike.



WARNING! Do not ship or transport a damaged battery or attempt to circumvent laws regarding shipping of Lithium-ion batteries. Failure to heed this warning may lead to a fire during the transportation process, resulting in serious personal injury or death to transportation workers or the public, and damage to vehicles or transportation facilities for which you may be held civilly and criminally responsible.

Car Rack

Transporting an eBike inside a vehicle (if there’s space in the vehicle to do so safely) is preferable to transporting on an exterior bike rack. Depending on the type, an eBike can be significantly heavier than a regular bicycle. Make sure the vehicle-mounted rack is rated for transporting eBikes and can accommodate the tyre width. Pay particular attention when lifting it onto a vehicle-mounted bike rack. Use proper lifting techniques. Lifting the eBike may require assistance, especially if the rack is on the roof of a car. If the eBike is being transported on a roof rack, be aware that your vehicle’s clearance is affected and the eBike can come in contact with low-hanging obstacles like garage doors or building entrances. Measure the height of the eBike on the roof and take note of the clearance measurement. If the battery and display are easily removable, remove

them and place them securely inside the vehicle. This not only keeps your battery safer, it also reduces the weight of the eBike, which makes it easier to lift and reduces the load on the bike rack.

Make sure the battery can’t roll around and is not exposed to direct sunlight or excessive heat or cold for an extended period of time, and the connectors are protected or covered.

Public Transport

Familiarise yourself with any relevant rules regarding transporting your eBike on public transit, such as weight, battery restrictions and tyre widths. Different transport operators will have differing rules. Please research relevant rules that apply to your district/region before setting off. Some public transit options require that a space is booked; others specify off-peak hours or the need to cover the eBike.

Transporting on an Airplane

eBike batteries are subject to legislation on the transport of dangerous goods. Private users can transport undamaged eBike batteries by road without having to comply with additional requirements.

When batteries are transported by commercial users or third parties (e.g. air transport or forwarding agency), special requirements on packaging and labelling (e.g. ADR regulations) must be met. When preparing items for shipping, a dangerous goods expert can be consulted as required. Check with your airline for any information about transporting a battery on an airplane before traveling. The battery may need to be shipped separately by a shipper who is trained and authorised to ship Dangerous Goods.

Check your local laws for details about shipping and transporting an eBike battery. Many bicycle retailers are trained in the proper methods for shipping eBikes and batteries. Please consult your local retailer if you need to ship your eBike.

15 Disposal

DISPOSAL:

Whyte Bikes battery and chargers can not be disposed of in your household waste. This is extremely dangerous and illegal in most countries. All batteries and chargers are to be disposed of in an environmentally friendly manner. Please contact your Whyte retailer to discuss the disposal regulations in your country/state and any applicable take-back program.

Simply return the old battery to a specialist retailer or dispose of it at a battery collection point. It doesn't matter who made the eBike or battery. Never dispose of batteries together with household waste. They contain environmentally harmful substances as well as valuable and rare metals that can be recycled. What's more, old or defective batteries could catch fire as the battery fluid and voltage may cause a short circuit.

Battery Disposal

Batteries, accessories and packaging should be recycled in an environmentally friendly manner. Do not dispose of batteries along with household waste. Apply tape over the contact surfaces of the battery terminals before disposing of batteries.

Do not touch severely damaged eBike batteries with your bare hands – electrolyte may escape and cause skin irritation. Store the defective battery in a safe location outdoors. Cover the terminals if necessary and inform your retailer. They will help you to dispose of it properly. In accordance with Directive 2012/19/EU and Directive 2006/66/EC respectively, electronic devices that are no longer usable and defective/draind batteries must be collected separately and recycled in an environmentally friendly manner. Please return batteries that are no longer usable to an authorised bicycle retailer.



INFO: RoHS Whyte Bikes hereby declares that this product and packaging are in compliance with the EU Directive 2011/65/EU.



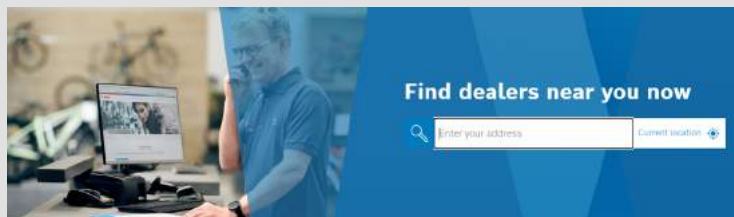
16 Bosch Service Recommendations

Bosch Maintenance

Any Bosch equipment that requires servicing or repairs must be performed by a Bosch eBike Expert. There are over 350 shops across Europe who are certified Bosch eBike Experts. The experts can use diagnostic equipment to ensure you are using the latest software, check energy levels, carry out capacity tests, and much more.

The **first inspection** of your Bosch powered eBike should be carried out by a specialist retailer after approximately 4 weeks or 300Km. Subsequently, the eBike should be subjected to a comprehensive service check at regular intervals. In Europe there are over 10,000 specialist retailers that are trained annually by Bosch and expert advisers based locally in 15 European countries.

Find your local retailer [HERE](#)



Care of Bosch eBikes

Cleaning is essential. This applies following some eBike trips, especially in autumn and winter. But what is the correct way to care for an eBike? What preparations should be made? And what needs to be considered in winter, in particular?

What's the best way to care for my eBike?

That depends on how dirty it is. Water is never wrong, provided it doesn't come from a steam cleaner. It is simply a no-go to work on the components of an eBike with high pressure, as water can penetrate into the bearings of the motor, hubs or rear frame.

Which cleaning agent can I use?

Bike shampoos and care products from specialist stores are highly recommended as they do not attack plastics and seals. Even soap solution or washing-up liquid can be used. They should however not be too aggressive or strongly degreasing.

How regularly would you recommend cleaning an eBike?

Ideally after every eBike trip so that the dirt does not become engrained. Therefore as often as possible or necessary. Corrosion prevention must also be taken into account, e.g., Coastal trails.

And what preparations should I make before washing?

Where Possible, remove the battery and the displays. Permanently mounted batteries and displays such as our Purion or remote keys which control the eBike system should be covered with a cloth or film.

Must I lubricate the chain of an eBike more often than that of a bike without electric ride support?

That depends entirely on use. Basically neither more nor less often. A chain is especially stressed when riding off-road or if gears are not shifted smoothly enough.

Where should I lubricate the chain – at the front sprocket or at the rear?

Neither of these. When applying lube, care must be taken that the brake discs are not contaminated or the sprocket gummed up. It is therefore best to spray where the chain runs freely. It is best to remove excess lube with a rag or soft cloth.

How should I care for my eBike during the winter if it is not used for some weeks or months?

It should be clean and lightly lubricated, the chain and exposed aluminium parts treated with suitable care products. The battery and display should be removed and stored in a dry place at room temperature, ideally between 10 and 20 degrees. It is important for the battery to have a residual charging capacity of between 30 and 60 percent.

17 Declaration Of Conformity



Contact Info: <https://whytebikes.com/pages/faq>

Whyte Content: <https://whytebikes.com/pages/documents>

Whyte UK retailers: <https://whytebikes.com/pages/retailer-locator>

Whyte International retailers: <https://whytebikes.com/pages/international-retailers>



www.facebook.com/WhytebikesGB/



<https://www.linkedin.com/company/whyteBikes-limited>



https://www.youtube.com/channel/UCSwoGH_w_JZhgf9K05sJnyw



www.instagram.com/whytebikes

- UK DECLARATION OF CONFORMITY -

This declaration of conformity is issued under the sole responsibility of the manufacturer.

MANUFACTURER	
Company Name	Whyte Bikes Ltd.
Full Address	Whitworth Road, St Leonards on Sea
Postal Code	TN37 7PZ
Place	East Sussex
Country	United Kingdom

As the manufacturer we hereby declare that the following products:

DESCRIPTION AND IDENTIFICATION

Product name:	Electrically Power Assisted Cycles (EPAC Bicycle)
Commercial name:	Full Suspension E-MTB
Function:	Electric Mountain bike
Model:	E-Lyte
Article number:	WEL140W1SV1, WEL140W2MV1, WEL140W3LV1 WEL140W4XV1, WEL150W1SV1, WEL150W2MV1 WEL150W3LV1, WEL150W4XV1, WEL150RSX1SV1 WEL150RSX2MV1, WEL150RSX3LV1, WEL150RSX4XV1

COMPLIANCE

The manufacturer declares that the above-mentioned machinery fulfils all relevant provisions of

Machinery Directive 2006/42/EC; Radio Equipment Directive 2014/53/EU;
RoHS Directive 2011/65/EU and Amendment Directive (EU)2015/863

In conjunction with the following harmonised standards and where appropriate other technical standards and specifications for the design and manufacture

EN ISO 12100:2010; EN 15194:2017; EN 17404:2022; EN 301 489-1 V2.2.3

Authorised signatory on behalf of WhyteBikes LTD

Technical File Contact:

October 2023

Andy Jeffries
Product Director

Name: Clayton Woolham
Position: Compliance Office & Industrial Designer
Address: 21 Lansdown Place Lane, Cheltenham,
Gloucestershire, GL50 2LB, UK

18 WARRANTY

Whyte Bikes Ltd warrants with the purchaser of a new Whyte bike, or a Whyte Certified Refurbished bike, that the frame will be free from defects in materials and workmanship for a period of two years from the date of purchase. The duration of the limited frame warranty can be extended to four years by registering your purchase online (excluding Whyte Certified Refurbished bikes). Registration must occur within 28 days of the purchase date via the online registration form, together with a valid proof of purchase. The cosmetic finish of the frame, including all paint and graphics is warranted for a period of one year from date of purchase. This warranty does not cover in any case damages derived from inadequate use, falls or accidents, incorrect installation, lack of maintenance or not observing the recommended usage category, storage, and charge guidance.

The Main Pivot Bearings fitted to Whyte Full Suspension bikes are warranted for life (original owner only for both new and Whyte Certified Refurbished bikes).

This limited warranty is subject to the following conditions:

1. The bike must be supplied fully assembled from an official Whyte retailer's premises or, in the case of Whyte Certified Refurbished bikes, direct from us via our Outlet store.
2. The instructions for use, maintenance and cleaning of the frame must be followed and all usual precautions to protect the frame from the elements must be taken at all times as the frame may suffer damage if it is neglected or not properly maintained and cleaned.
3. Normal wear and tear, crash damage or accidental damage is excluded from this warranty.
4. This warranty will not apply to frames which have been improperly assembled; or modified; or have had parts or accessories fitted which are not compatible with the frame.
5. Repainting or re-lacquering a metal frame will invalidate the warranty where the process involves heating the frame to over 180 Celsius. Repainting or re-lacquering a carbon frame will invalidate this warranty altogether.
6. This warranty will not apply to frames used for racing, jumping, trick riding or any other non standard use.
7. This warranty does not include any liability for indirect or consequential loss or damage and such is expressly excluded.
8. This warranty does not cover labour charges incurred in changing over parts or the cost of carriage.
9. Claims under this warranty must be reported in writing by the first registered owner to Whyte Bikes Ltd and the frame delivered to one of its authorised retailers within the period of this warranty. In the case of Whyte Certified Refurbished bikes warranty claims, these must be reported to us directly in writing by the purchaser within the period of this warranty via our contact form.
10. Whyte Bikes decline all responsibility for damages to people, animals or objects due to the use of this product.



Whyte E-Lyte use Bosch electric systems. All Bosch eBikes come with a 2 year guarantee (commencing upon date of purchase) which includes the motor, battery and display. If the end consumer's eBike is intended for commercial use (e.g. rental company, messenger service), the warranty period lasts 12 months. We also have dedicated Bosch trained technicians in-house to ensure we can always fully support with any issues you may have. Warranty Claims made on Bosch Components must be processed by an authorised retailer or Bosch.



IMPORTANT SAFETY INFORMATION

Before use, it is essential that the rider is familiar with the safe operation of this bicycle. Please read all the supplied documentation carefully before use of this bike. If you have any questions, please contact your Whyte retailer.



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BOSCH

EPAC Owners Manual **Version 1.0 (2024)**