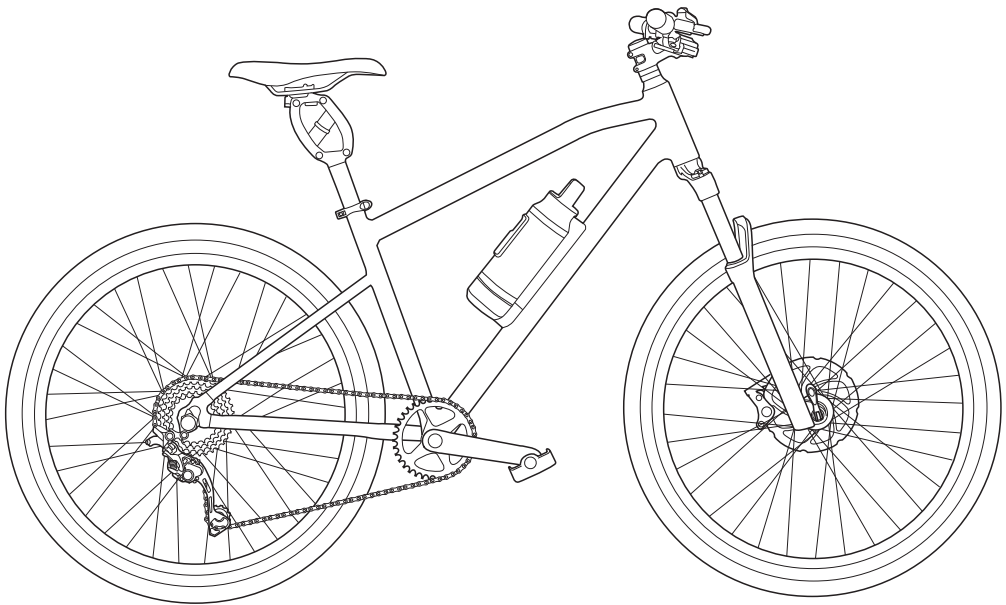


**Gtech**

# Mountain eBike eSCENT

eBike: EB05



## OPERATING MANUAL

# IMPORTANT SAFEGUARDS:



**IMPORTANT: READ ALL INSTRUCTIONS BEFORE USE. RETAIN INSTRUCTIONS FOR FUTURE REFERENCE.**



**WARNING:** Basic safety precautions should always be observed when using an electrical appliance to reduce the risk of fire, electrical shock or serious injury.

The term “eBike” throughout this manual refers to your Electrically Power Assisted Cycle.

## Personal Safety:

- This eBike is intended for use as a commuter and leisure bicycle. Using the eBike for any other purpose may result in serious injury.
- Before you ride this eBike in a busy area or on public roads, practice riding in a safe area free from hazards. Take time to learn the eBike's controls and power.
- It is your responsibility to identify and follow all local laws and regulations, including fitting your eBike with any additional equipment necessary to comply with local laws.
- Observe the applicable traffic regulations.
- At night your eBike MUST have white front and red rear lights lit. It MUST also be fitted with a red rear reflector and amber pedal reflectors which are both supplied.
- Never ride with no hands.
- Adopt a speed that reflects the terrain as well as your riding ability.
- Use designated cycle paths when not using public roads.
- When riding your eBike, wear close-fitting trousers, or use a bicycle clip. Loose clothing can get between moving parts and cause injury.
- Wear bright and/or reflective clothing when cycling.
- When riding your eBike, you should wear a bicycle helmet that conforms to current regulations.
- Your eBike saddle should be as close as possible to horizontal. Do not tilt the saddle backwards, as this can lead to back pain and physical injury.
- Take care when loading your eBike into a car or when mounting it on a bicycle carrier.
- We DO NOT recommend that you use a bicycle trailer with your Gtech eBike.

- You can fit a standard fitment luggage carrier to your eBike. Please check with the manufacturer to make sure that a child seat can be safely attached to the luggage carrier.

## eBike Safety:

- You must be over 14 to ride an eBike.
- The drive assist system is limited to a maximum continuous power rating of 0,25kW (250W) and a maximum speed of 25Km/h, (15.5 mph).
- Your eBike is designed for a maximum permitted overall weight (rider + luggage + bicycle) of 157kg. The maximum permitted weight of the rider (136kg) plus luggage (2kg seat pack) is 138kg.
- Do not submerge your eBike in water.
- Be aware that the speed at which you are travelling may be faster than you are used to, especially when accelerating.
- Gtech recommend preparing appropriate spares such as tyres, tubes and brake pads etc.

## Electrical Safety:

- Only use batteries and chargers supplied by Gtech.
- Never modify the charger in any way.
- The charger has been designed for a specific voltage, always check that the mains voltage is the same as that stated on the rating label. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack; never use the charger with another appliance or attempt to charge this product with another charger.
- Before use, check the charger cord for signs of damage or ageing. A damaged or entangled charger cord increases the risk of fire and electric shock.

- Do not abuse the charger cord. Never carry the charger by the cord.
- Do not pull the cord to disconnect from a socket; grasp the plug and pull to disconnect.
- Don't wrap the cord around the charger when storing.
- Keep the charger cord away from hot surfaces and sharp edges.
- Do not handle the charger with wet hands.
- Do not store or charge the appliance outdoors.
- The charger must be removed from the socket before removing the battery, cleaning or maintaining the appliance.

### Battery Safety:

- This appliance includes Li-Ion batteries; do not incinerate batteries or expose to high temperatures, as they may explode.
- Shorting the battery terminals may cause burns or fire.
- Do not place battery pack on wet or metallic surfaces.
- When you dispose of the appliance remove the battery and dispose of the battery safely in accordance with local regulations.
- You must always use the battery in accordance with the instructions on the battery label.
- Liquid ejected from the battery may cause irritation or burns.
- Leaks from the battery cells can occur under extreme conditions. Do not touch any liquid that leaks from the battery. If the liquid gets on the skin wash immediately with soap and water. If the liquid gets into the eyes, flush them immediately with clean water for a minimum of 10 minutes and seek medical attention. Wear gloves to handle the battery and dispose of immediately in accordance with local regulations.

### Brake Safety:

- Regularly check your brakes for signs of wear and tear. Any worn parts must be repaired or replaced immediately.
- Be careful while getting used to the brakes. Practice emergency stops in a place clear of traffic until you are comfortable controlling your eBike.
- Wet weather reduces your braking power and the grip of the brakes. Reduce your speed and be aware of longer stopping distances when cycling in wet conditions.

- Braking on unpaved surfaces will differ. Be sure to practice braking on different surface types.
- Ensure that braking surfaces and brake pads are free of wax, grease and oil.
- Do not pedal and brake at the same time as this will cause excessive wear.

### Maintenance:

- Many parts on your eBike are subject to a higher degree of wear due to their function and depending on their use. Have your eBike checked regularly at a professional bike shop and have any worn parts replaced.
- After an accident or crash you must take your eBike to a bike repair specialist to make sure that it is safe to ride. Be aware that damage may not be visible. Failure to do this may result in serious injury.
- Any form of crack, scratches or change of colouring in highly stressed areas indicate that the life expectancy of the part has been reached and it should be replaced immediately.
- Ensure the battery is removed from the bike before carrying out any maintenance.
- Make sure that all screws and bolts are tightened securely and to the prescribed tightening torques before riding.
- You must always use genuine replacement parts when performing maintenance on your eBike.
- Regularly check the tyre pressures (minimum 30psi, maximum 50psi) and regularly check the tread depth of tyres.

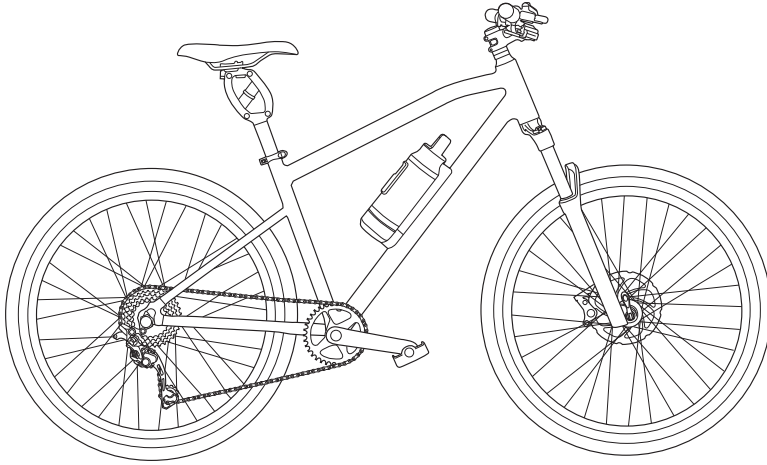
### Chain Maintenance:

- Chain rings and disc rotors are extremely sharp and care should be taken to ensure hands are kept clear during cleaning process: The chain will require cleaning and lubricating regularly. To clean the chain, turn the bike upside down and firmly hold a damp rag around the chain. Rotate the crank arms until the chain looks clean. Use degreaser if necessary and rinse. Apply chain oil until the surface of the chain has a thin, even coverage.
- Gtech do not recommend that a trailer is used with this product.

## Thank you for choosing a Gtech eBike

"I started Gtech to create sensible, easy to use products, which do a great job. Your opinion is important to us. Please take the time to write a review of the eBike on [trustpilot.co.uk](http://trustpilot.co.uk). We will use your feedback to improve our products and services and let other people know what it's like to be part of the Gtech family."

Nick Grey – Inventor, owner of Gtech

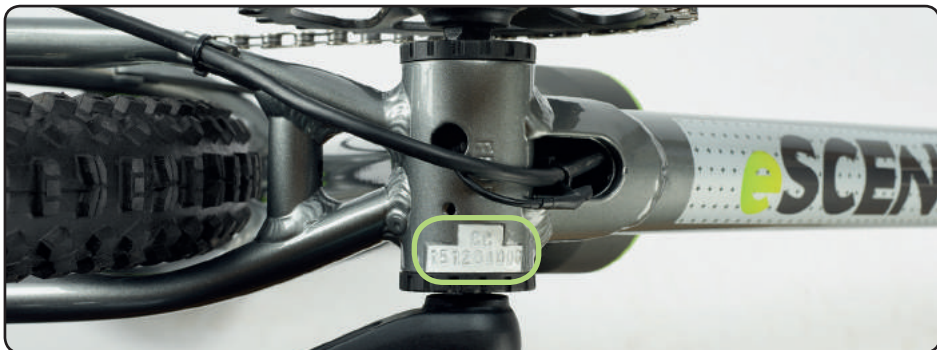
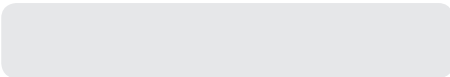


## Warranty registration:

We have registered your warranty for you. Keep your receipt with this manual, as you will need it if you ever have a warranty claim. You may also need your VIN number, which is on the frame of your eBike.

## PRODUCT VIN NUMBER:

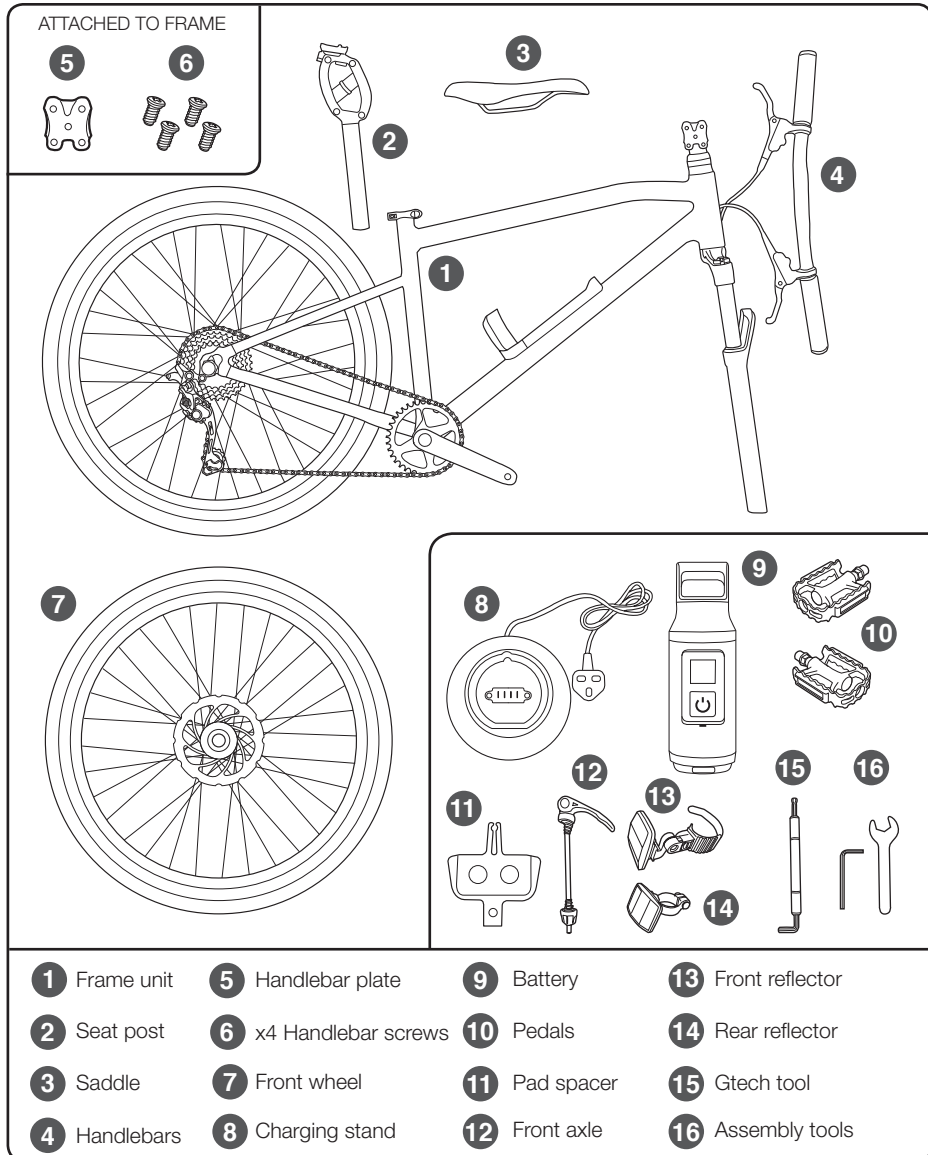
You can find this on the underside of your eBike, between the pedal cranks.



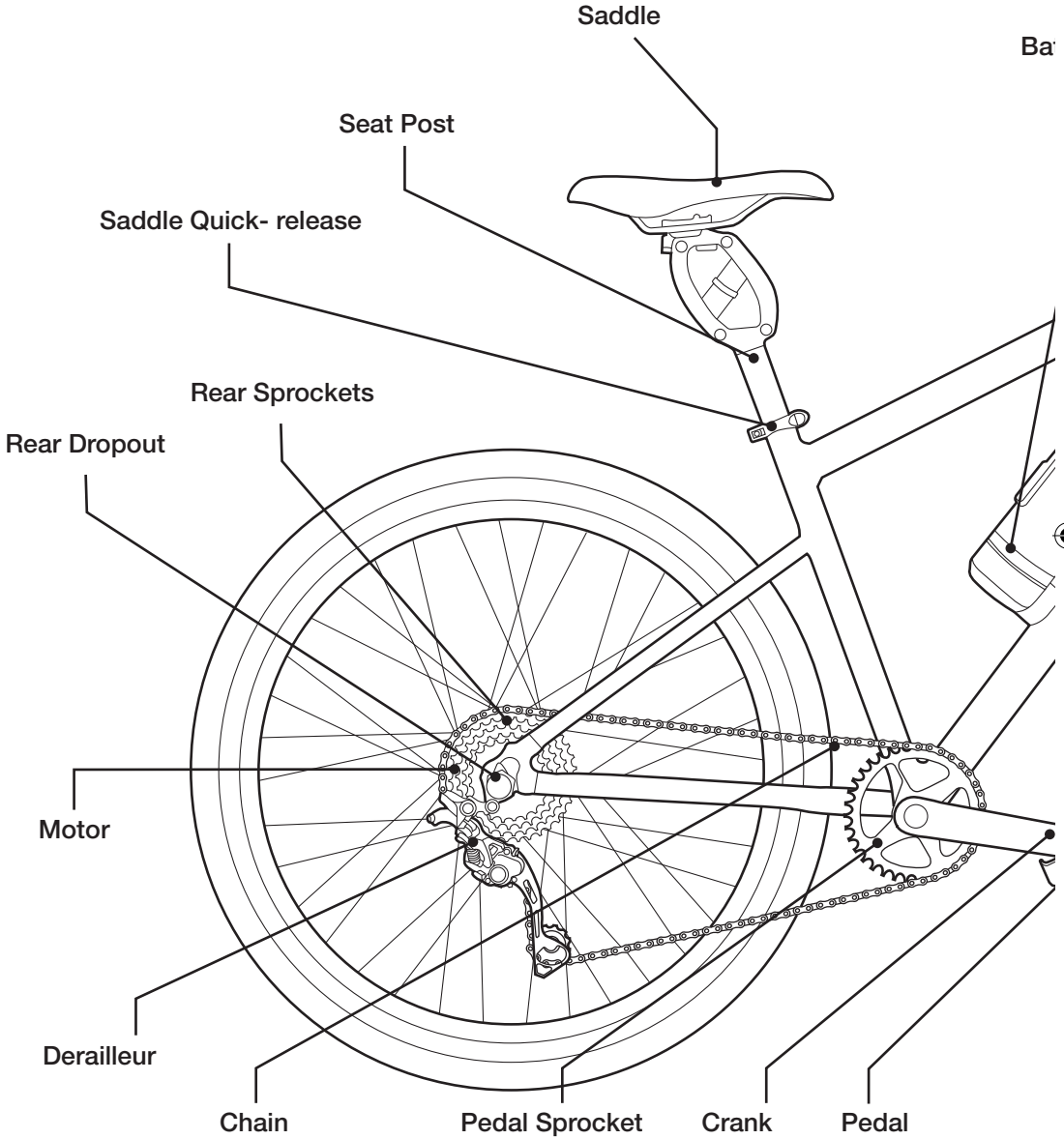
## What's in the box?

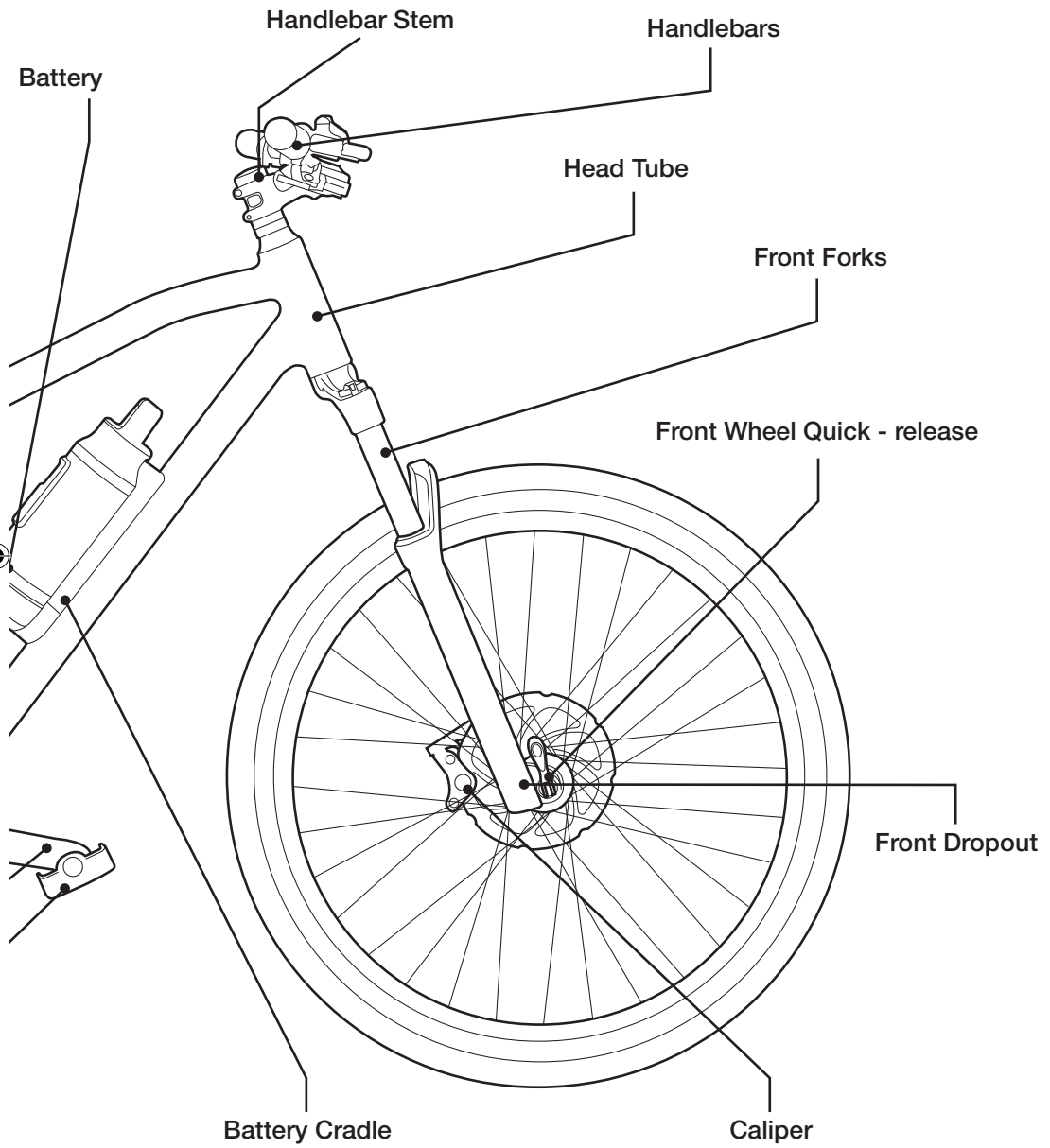
Your eBike is like a normal bicycle, but with electric pedal assistance. This means that you can pedal it like a normal bike, or that the bike can assist your pedalling. The amount of assistance the eBike gives you will depend on how hard you are pedalling.

Check that you have all of the correct parts before you start to assemble your eBike.



eBike parts





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# Assembly

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## Storing the Gtech tool



You will need to use your Gtech tool for the following instructions and throughout the manual. The Gtech tool is located in the bottom of your battery and can also be stored here when the battery is attached to the bike.

Make sure that you follow all of the instructions in this manual carefully to assemble your eBike correctly before use.

We recommend that you build your eBike on a large, flat and soft surface. You may need to put something down on the surface to stop your eBike from getting scratched.

**Carefully remove all of the packaging and ties from your eBike, as well as the 4 black plastic wheel protectors and fork spacer. Take care not to damage or scratch the bike.**

**Check that you have all of the correct parts before you start to assemble your eBike. See page 5.**

For more information about the names and locations of the different parts of your eBike see page 6.



**Make sure that the battery is removed from the bike before fitting any parts.**



**Make sure that all screws are tightened securely before using your eBike. For the correct tightening torques see page 49.**

## Setting the handlebar stem to the correct position

Place the eBike frame upright on a flat surface. You may need to put something down on the surface to stop your bike frame from getting scratched.



When your eBike arrives the handlebar stem will be facing inwards.



Using the Gtech tool, carefully loosen the handlebar stem by turning the 3 screws anti-clockwise in the order shown. Do not remove the screws completely.



Twist the handle bar stem so that it faces forward.



Ensure the handlebar stem faces directly forward when the front forks are straightened up.



Using the Gtech tool re-tighten the 3 handlebar stem screws in the same order by turning them clockwise. Do not overtighten the screws.

## Attaching the handlebars



With the eBike upright on a flat surface, use the Gtech tool to carefully unscrew the handlebar plate from the handlebar stem by turning the screws anti-clockwise. Keep the 4 screws and washers safe, you will need them.



Hold the handlebars in place at the centre of the handlebar stem, making sure they are centered and the correct way round – the lines on the centre of the handlebars will help you do this. Also ensure the brake cables are not tangled and free to move when handlebars are turned in both directions.



The brake levers should be horizontal and facing away from the bike. The handlebars can be rotated to a comfortable position if required.



Replace the handlebar plate and insert the screws and washers, starting with two that are diagonally opposite. Using the Gtech tool, tighten all of the screws evenly by turning them clockwise.



Note: When fitted, the handlebar plate will not fit flush against the handlebar stem. There will be a small gap. Ensure that there is an even gap at the top and bottom of the handlebar while tightening the screws.



Test handlebars are tightly secured and do not move when you try to twist them.

**!** **IMPORTANT:** After fitting the handlebar check carefully before your first ride. Loose or incorrect fitting of the handlebar can lead to loss of control and the risk of serious injury.

**!** Should you have any concerns regarding the assembly of the handlebar we recommend your Ebike is checked by an experienced mechanic or a professional bike shop.

## Secure the brake cable



Remove the plastic clamp on the right hand side of the front forks. Use the 2.5mm allen key provided and turn the screw anti-clockwise.

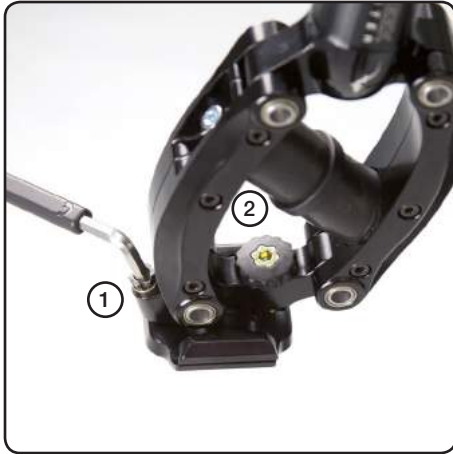


Feed the cable into the clamp.



Secure the clamp to the front fork by turning the screw clockwise.

## Assembling the seat post to the saddle



Using the Gtech tool, remove the first screw (1) under the seat post by turning it anti-clockwise. Remove the second plastic screw (2) using your fingers to turn it anti-clockwise.



Keep the two screws and the threaded connectors with the upper half of the seat post clamp.



The seat post will now have just the lower half of the seat clamp in place.



Locate the saddle in the lower half of the seat post clamp. With the screws removed but threaded connectors in place, replace the upper half of the clamp. Tighten the screws into the threaded connectors by turning them clockwise.

## Attaching the saddle / seat post to the bike



Ensure that the quick-release lever on the stem is pulled back.



Insert the seat post into the frame. Make sure the seat is in line with the bike's frame. Close the quick-release by firmly pushing on the quick-release lever so that it lies flat against the frame. If necessary tighten the adjusting nut, until you need to use the palm of your hand to close the quick-release lever.



**When closed, the quick release lever must lie flat against the frame, otherwise it could snag on obstructions when the bike is moving. This could lead to serious injury.**



## Fitting the front wheel

Make sure the 2 black plastic wheel protectors have been removed from the wheel. Be careful when removing these so they do not snap off and become stuck in the wheel.



Place the frame upside down on a flat surface, resting the saddle and handlebars on the floor. You may need to put something down on the surface to stop your bike frame from getting scratched.



Remove the instructions from the quick release lever. Turn the black adjustment nut anti-clockwise and remove it from the assembly.



Remove the spring that was closest to the adjustment nut and keep it safe.



Push the quick release shaft through the centre of the front wheel.





Fit the spring onto the quick release shaft, with the narrow end facing towards the wheel. Now screw on the adjustment nut by turning it clockwise. Only 2 to 3 turns are required, leaving a gap to slot the front wheel onto the forks.



Align the front wheel with the fork holders making sure that the brake disc is on the same side as the brake calliper. Slot the wheel securely within the fork holders.



While holding the quick release lever in line with the wheel hub, tighten the adjustment nut on the opposite side by turning it clockwise until resistance is felt.






Push the quick release lever to the closed position. You should need to use the palm of your hand to close the quick release lever with as much strength as possible.



If the lever is too easy to close, return it to the open position and tighten the adjustment nut a quarter turn clockwise. Repeat as required. If the lever is too stiff to close return it to the open position and loosen the adjustment nut a quarter turn anti-clockwise. Repeat as required.



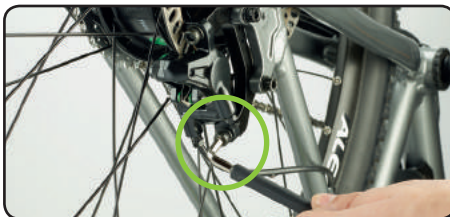
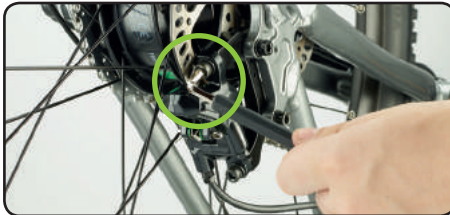
The close position is with the lever in line with the front fork with "close" visible.

-  **Make sure the wheel can spin freely.**
-  **WARNING! Make sure the quick release lever is fully closed position and that the wheel is attached securely. incorrect fitting may result in the wheel becoming loose when riding. This could lead to serious injury.**
-  **The quick release lever must be fully closed otherwise it could snag on obstructions when the bike is moving. This could lead to serious injury.**

Should you have any concerns regarding fitting the wheel we recommend your bike is checked by a professional bike shop.

## Aligning the brakes

These instructions apply to both your front and rear brakes. If the brakes are making a rubbing noise they will need to be aligned.



Place the frame upside down on a flat surface, resting on the saddle and the handlebar. Using the Gtech tool loosen the two bolts on the caliper by turning them anti-clockwise.



Hold the brake lever and re tighten the caliper bolts by turning them clockwise. The brake pads will become central.



**IMPORTANT:** Before riding your bike check the brakes are correctly adjusted, and operate. Incorrect fitting of the brakes can lead to the risk of serious injury.

Should you have any concerns or uncertainty we recommend your bike is checked by a professional bike shop.

## Fitting the pedals



Match the pedal with "L" marked on the end of the pedal spindle with the left hand crank. Carefully align the pedal with the crank hole. Poor alignment will damage the screw thread. Tighten by using your fingers to turn the hexagonal section of the pedal spindle **anti-clockwise**.



Match the pedal with R marked on the end of the pedal spindle with the right hand crank. Carefully align the pedal with the crank hole. Poor alignment will damage the screw thread. Tighten by using your fingers to turn the pedal spindle **clockwise**.



Use the 15mm spanner tool provided to fully tighten both pedals.

## Fitting the reflectors



Locate the red rear facing reflector into the circular clamp until it clicks into place.



Fit the clamp around the seat post so that the reflector faces back. Insert the screw provided into the clamp hole.



Tighten the screw using a small cross head screwdriver.





Locate the white front facing reflector into the clamp until it clicks into place.



Fold the band around the handlebars so that the reflector faces forward and insert the band through the slot in the clamp.



Insert the plastic grub screw into the hole underneath the clamp. Secure the screw using a flat head screwdriver until the band pulls tight.

## Setting the saddle height



Sit on the saddle. The suspension should sag to its resting position.



Try to reach the pedal with your heel when it is in the bottom position. Your knee should be more or less fully straight.



Place the balls of your feet on the centre of the pedal. If your knee is now slightly bent, the saddle height is correct.



Never adjust the saddle so the minimum mark (marked on the seat post) is above the top of the seat tube, otherwise you could injure yourself or damage the seat post.

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## Adjusting the saddle height

When adjusting the height of the saddle ensure that the quick release clamp is sufficiently tightened so that there is no movement in the seat post.



Pull back the quick-release lever.



Adjust the saddle to the correct height for you, making sure that the minimum mark is not above the seat tube.



Close the quick-release by firmly pushing on the quick-release lever, so that it lies flat against the frame. If necessary tighten the adjusting nut, until you need to use the palm of your hand to close the quick-release lever.



## Adjusting the saddle travel and angle

You can adjust the travel and the angle of the saddle. The screw to do this is located underneath the saddle.



The screw for adjusting the saddle is located beneath the saddle.



Whilst looking up at the base of the saddle, turn the screw anti-clockwise with the Gtech tool to loosen it.



Now that the saddle is loose you can move it horizontally forwards or backwards to improve your reach to the handlebars.



Turn the black plastic screw to adjust the angle of the saddle.



The saddle can be adjusted to your preferred angle.



Turn the screw clockwise to tighten it to your preferred setting.

## Adjusting and setting the forks

You may need to adjust the Preload, which is the resistance the fork gives against your weight. You can choose to activate the Lockout feature. When Lockout is activated it will use the compression damping system to effectively stop the fork from working. Lockout is useful when you encounter prolonged climbs.



Unscrew the black cap labelled "Air" and remove to reveal the Schrader valve.



Attach a pump with a pressure dial to the Schrader valve and pump to the recommended or desired psi.

**Do not exceed 205 psi.**

### Front suspension Air Spring Pressure

Rider weight	Pressure
<140 LBS ( <63 KG)	50 - 70 psi
140 - 160 LBS ( 63 - 72 KG)	70 - 85 psi
160 - 180 LBS ( 72 - 81 KG)	85 - 100 psi
180 - 200 LBS ( 81 - 90 KG)	100 - 120 psi
200 - 220 LBS ( 90 - 99 KG)	135 + psi
<b>MAX PSI</b>	<b>205 psi</b>

Use the chart to set the psi, for the fork, to the appropriate weight.

### Lockout



To lock out the forks, locate the blue lock out lever on the side of the fork and turn it clockwise towards the lock symbol.

## Attaching the battery



Sit the battery in the base of the battery cradle, located on the down tube. Make sure that the green power button is facing outwards, away from the down tube.



Push the battery firmly down towards the frame. It will click when it is in place.

## Removing the battery



To remove the battery, squeeze the green trigger, then pull the carry handle to release the battery from the cradle.



Pull the battery away from the frame to remove it.

## Attaching the front mudguard

The front and rear mudguards are an optional accessory, available from [www.gtech.co.uk](http://www.gtech.co.uk). Once attached, these steps can be reversed to remove the mudguards from the bike.



Locate the front mudguard and place the end into the steerer tube.



Insert the bolt through the steerer tube and mudguard.



Place the gtech tool into the bolt, and turn it clockwise to tighten the mudguard until it can no longer rotate.



Tuck the rubber mudguard flap under the crown of the fork and fasten the press stud to secure.



## Attaching the rear mudguard



Hook the mudguard underneath the seat stay brace. **You may need to deflate the tyre first.**



Feed the bolt through the mudguard and hole in the seat stay brace.



1. Screw the nut onto the bolt by turning clockwise.
2. Push the nut into the bottom recessed slot.



Whilst holding the mudguard away from the wheel, place the gtech tool into the bolt. Turn clockwise to tighten the mudguard until it can no longer rotate, making sure the nut remains in the recessed slot.

# Operation

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Ready for your first journey? Before you go out adventuring check that the following steps have been completed in accordance with the instructions in the assembly section. We want to ensure you get the most out of your new eBike and by following the list below you will be ready to get out there with confidence.

### Before you start riding, check that:

1. The wheels are mounted properly.
2. The brakes work properly.
3. The seat post is at the correct height.
4. The saddle is comfortable.
5. The chain is correctly fitted.
6. The forks are adjusted correctly.
7. The air pressure in the tyres is correct.
8. The battery is attached.
9. The battery is charged.
10. The handlebar screws are tightened.

Yes.

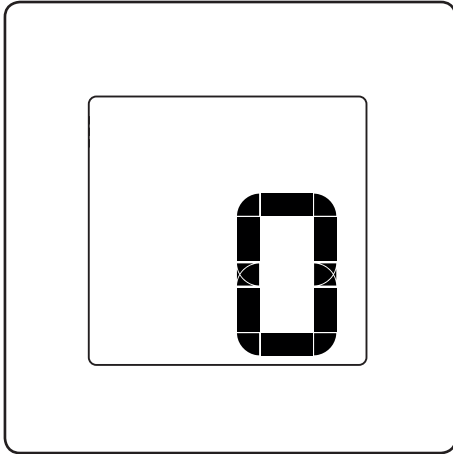
  
  
  
  
  
  
  
  
  



**Before riding:**  
 Should you have any concerns on the assembly of your bike we recommend having it checked by a professional bike shop.

## Charging battery

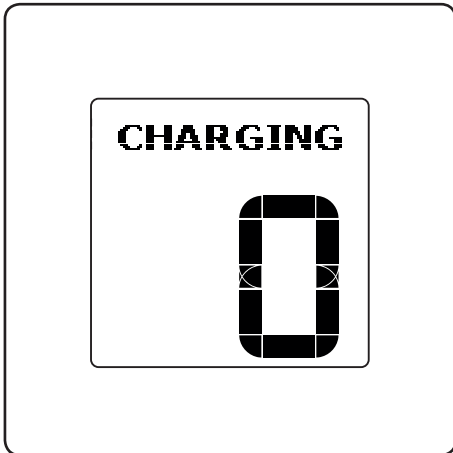
The LCD indicates the percentage of remaining capacity.



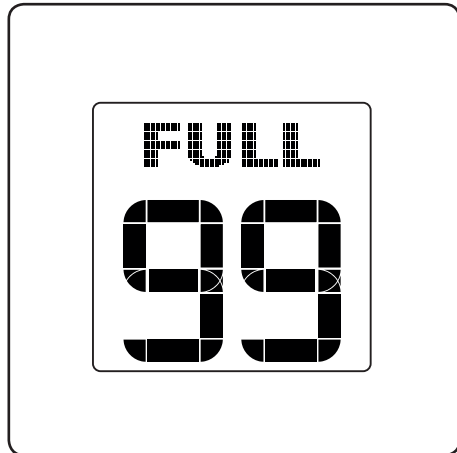
When the LCD display reads 0, you will need to recharge your battery.



You will need to remove the battery from your eBike to charge it. Plug the charger into the wall, then sit the battery on the charge base with the cable exiting from the rear.



The LCD display will display that it is charging.



After 3 hours the battery will be fully charged.



Always fully charge your battery before storing. For optimum performance, we recommend that you store the battery indoors during the winter months.

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It is important that you charge the battery according to the instructions located on the charger.



## Turning your eBike on

Your battery has two power settings – Eco and Max. Use whichever mode that suits your ride. Eco mode will allow you to travel further by reducing the assistance.



Press the green power button on your battery.



The LCD screen shows how much charge is in the battery. Your battery will remember the power mode it was last in.



To toggle between Max and Eco mode, press the power button once.



The LCD screen will tell you which power mode you are in.



To turn the battery off, press and hold the green power button for two seconds.



You can still check how much charge is left in your battery when it is not attached to the bike. Briefly press the green power button to display the level of charge.



**Don't worry if you forget to turn off your battery – it will turn itself off after a short time.**

## USB Port

There is a USB port located on the front of the battery, at the bottom. It can be used to charge devices whilst you are out and about.



The USB Port is covered with a water proof rubber seal.



Pull back the rubber seal to reveal the USB Port.

## Gear Controls



1. To go up a gear push the front lever once. You will hear one click.
2. To go up two gears at a time, push the front lever harder. You will hear two clicks

To go down a gear push the back lever once.

## Using the gears to maximise your range

The eBike is designed to enhance your ride by making it easier to climb hills and travel at speed on flat roads. Gtech recommend using all 10 gears to extend your range.

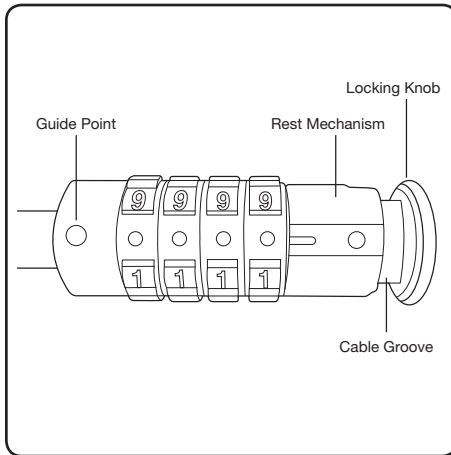
It is best to be in the highest gear (small cog) when riding on the flat and the lowest gear (largest cog) when climbing.

If used in the correct gear, the pedal should have consistent resistance. It should feel like the rider and motor are equally contributing to the movement.

## Cable Lock

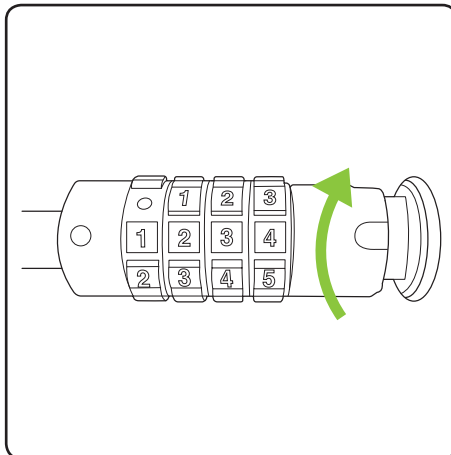
The cable lock is an optional accessory, available from [www.gtech.co.uk](http://www.gtech.co.uk)

### How to unlock

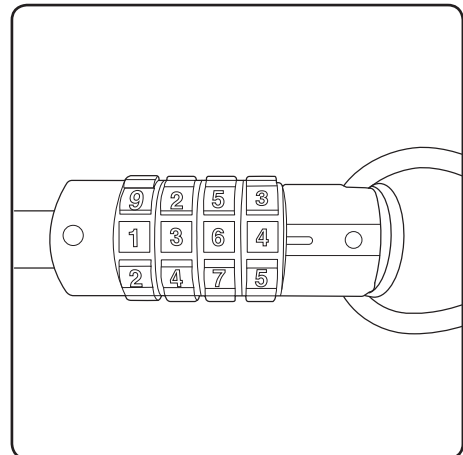


1. Line up the guide point to **0-0-0-0**.
2. Pull the locking knob out.

### Changing the code sequence



1. With the locking knob pulled out, twist the reset mechanism away from you.
2. Turn the numbers to select the code sequence of your choice.



1. Twist the reset mechanism back towards you, then place the looped cable end into the cable groove and close the locking knob.
2. Turn the numbers to a random sequence to securely lock the cable.

## Securing the lock to the bike



Feed the looped end of the cable lock through the handle of the battery.



Continue to feed it through the spokes of the front wheel, making sure it goes behind the frame of the bike.



Pull the locking knob out and place the looped cable end into the cable groove.



Push the locking knob down to close and turn the numbers to a random sequence to securely lock the cable.

## Brake Controls



The left brake lever activates your rear brakes.

The right brake lever activates your front brakes.

Always use both brakes together.

## Emergency braking

When emergency braking, your weight will shift forwards, reducing the load on your rear wheel. This can cause your rear wheel to slip, which is dangerous, especially when riding downhill. When emergency braking, keep your weight back and as far down as possible.

Brake smoothly and remember your front brake will take more load when braking harder.



**You should regularly check your brakes to make sure that they are working correctly.**

# Maintenance

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In this section you will find a break down of adjustments and replaceable parts. To keep your eBike performing at its best you will need to regularly check these parts. Always use genuine replacement parts.



**Make sure that the battery is removed from the bike before fitting any parts.**

## General maintenance

- Check the pressure and profile of the tyres.
- Check the brakes for wear and adjust or replace them if necessary.
- Check the wheels for buckles or damaged spokes and have them repaired immediately by a qualified bike repair specialist.

## Cleaning

Clean your bike by removing dirt with a soft bristled brush and then washing with warm water. Regular cleaning of your bike will lengthen its lifespan. Be careful not to use too much water near the battery. After cleaning, dry your bike using a soft cloth.



**Never use a pressure washer, it could damage the electrics or bearings on your eBike.**



## Inflating the tyres

Before starting to inflate your tyres, check that the pump is in the correct mode for your tyre valve. For the Gtech eBike, it will need to be in Schrader mode.



Remove the valve cap.



Briefly press down on the valve to make sure the valve doesn't stick and to remove any loose dirt.



Press the pump nozzle onto the tyre valve stem as far as it will go and lift the thumb lock lever into the locked position.



Pull out the end of the bicycle pump and push down to start inflating the tyre, continue to do this until you have reached the desired tyre pressure. Do not inflate beyond the maximum tyre pressure printed on the sidewall of the tyre.



Release the thumb lock by pushing the lever back down.



Remove pump nozzle from the valve stem.



Replace the dust cap.



The correct pressure for the tyres on the Gtech eBike is: min 30psi, max 50psi.  
Do not over or under inflate the tyres.

## Removing the front wheel



Place the bike upside down on a flat surface, resting on the saddle and the handlebars. You may need to put something down on the surface to stop your handle bars from getting scratched. Pull the quick-release lever on the front wheel, so that it is fully open.



Loosen the adjustment nut by turning it anti-clockwise approximately 5 full rotations.



Remove the wheel.



**Make sure that the front brake is not pressed whilst removing the front wheel.** This will cause the brakes to seize and will need to be repaired. Please insert the provided pad spacers when travelling or leaving the bike without a wheel attached for a long time.

## Removing the rear wheel



Adjust the saddle so that it is at its lowest position. Turn the bike upside down and place on a soft surface.



Locate the hub connector cable on the left hand side of the frame (the same side as the chain). Using the tool undo the cable guide holding the hub connector cable in place.



Disconnect the hub connector cable.



Loosen the bolts on either side of the wheel by placing the tool through them and turning anti-clockwise. If it's too tight use a spanner or socket wrench. **Do not remove the bolts.**





Pull back the derailleur towards you.



Whilst still holding back the derailleur, pull the wheel up to remove.  
You may have to move the chain out of the way.

## Replacing the inner tube

You will need a 27.5 x 2.35 compatible inner tube. You will also find it easier if you have a tyre lever handy. These can be purchased from good bike shops. If changing the tyre at the same time, you will need a 27.5 x 2.35 tyre.



Remove the wheel from your bike and then remove the dust cap from the tyre valve.



Push the Gtech tool into the tyre valve to let out the air.



You may need to push down on the tyre to help remove the air, whilst still pushing down on the tyre valve.



1. Squeeze the tyre away from the rim to unhook the bead and push a tyre lever in underneath the bead.
2. Push the tyre lever upwards to pull the bead over the wheel rim.



Run the tyre lever all the way around the tyre.



1. Push the inner tube valve in, towards the tyre. Then unscrew the retaining ring.
2. Remove the inner tube from between the outer tyre and rim.

### To replace...



Check that the item which punctured the tyre is not stuck in the tyre.



Partially inflate the new inner tube.





1. Insert inner tube into the tyre at the valve location.
2. Pull the valve through the hole in the rim.



Feed the rest of the inner tube evenly around the inside of the tyre.



Pinch the tyre back onto the rim then use the tyre lever to push the edge of the outer tyre under the wheel rim, all the way around the tyre. Squeeze the tyre into the rim on both sides to prevent pinching.



Inflate the inner tube to the correct pressure. Refit the wheel onto the bike (see page 36).

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**The correct pressure for the tyres on the Gtech eBike is: min 30psi, max 50psi. Do not over or under inflate the tyres.**

### Splitting and replacing the chain

In the unlikely event of the chain becoming damaged or heavily worn and in need of replacement. You may need to use a pair of MLP 1.2 Master Link Pliers:

**!** Make sure you read the safety instructions for the chain under Important Safeguards (see pages 2-3) before you start to replace or clean the chain.



Adjust the saddle so that it is at its lowest position. Turn the bike upside down and place on a soft surface.



Locate the master link in the chain. The master link is different to all the other links as it has black pins rather than chrome.



Insert the master link pliers into the master link.



Squeeze in the handles. This will detach the master link and it can now be removed.



Feed the new chain through the derailleur.



Pull the two ends together, making sure the one end goes through the frame of the bike.



Re-link the master link together.



Pull the derailleur forward and feed the chain onto the front crank.



The new chain should now be attached to the bike.



To make sure that the master link is connected properly, you will need to rotate the pedal forwards and then pull the rear brake. You should hear a subtle click of the chain reconnecting.



## Adjusting the rear derailleur

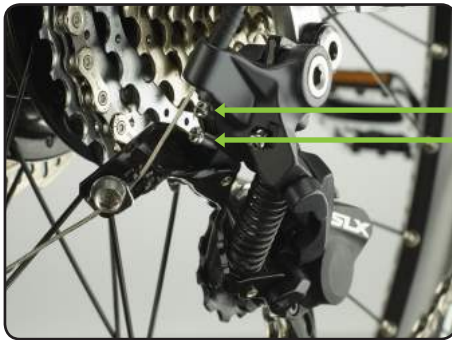
If you can't shift onto the high or low gear or the chain comes off on either side, then you will need to adjust the derailleur.

### The high limit screw –

Marked with a 'H', sets the limit for the higher gears and prevents the chain from falling off the smallest sprocket.

### The low limit screw –

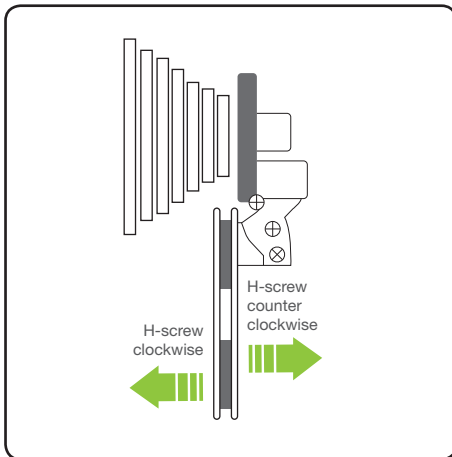
Marked with an 'L', sets the limit for the lower gears and prevents the chain from falling off the largest sprocket.



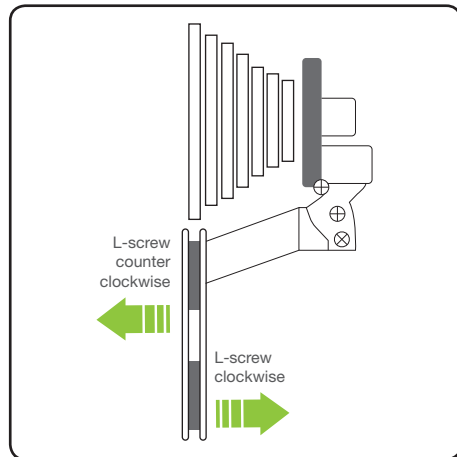
The high limit screw

The low limit screw

The limit screws can be located on the back of the derailleur.



Adjust the high limit by rotating the screw on your derailleur marked "H" so that it lines up with the smallest cog. Turn the screw anti clockwise to move the chain out and anti clockwise to move it in.



Adjust the low limit by rotating the screw on your derailleur marked "L" so that it lines up with the largest cog. Turn the screw anti clockwise to move the chain out and clockwise to move it in.

If the chain is indexing (not shifting between the gears properly), then you will need to adjust the barrel adjuster.



With the bike upside down, adjust the barrel adjuster by undoing it with a quarter turn at a time.



Rotate the pedals and press the rear gears to check whether they change smoothly. If they don't change smoothly, try adjusting the barrel again until the gears change correctly.

## Attaching the front wheel

Place the frame upside down on a flat surface, resting on the saddle and the handlebars. You may need to put something down on the surface to stop your bike frame from getting scratched.



Position the quick-release axle into the front dropout.



Tighten the adjustment nut by turning it clockwise approximately 5 full rotations.



Push the quick-release lever in towards the frame of the bike, so that it is fully closed.



Once complete rotate the wheel and ensure that there is no rubbing or scraping noises from the brake. If there are please refer to page 44.

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Brake rotors are sharp, please keep fingers clear of the rotor to avoid injury.



## Attaching the rear wheel

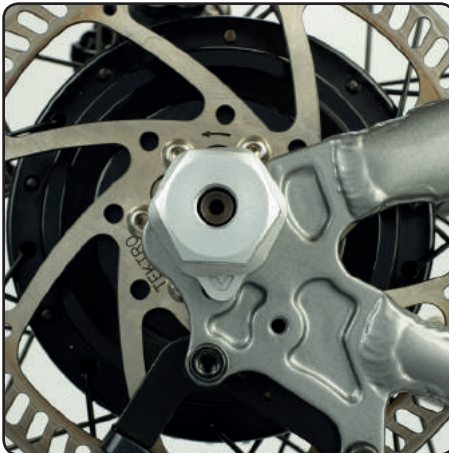
Place the frame upside down on a flat surface, resting on the saddle and the handlebars. You may need to put something down on the surface to stop your bike frame from getting scratched.



Place the frame upside down on a soft, flat surface, resting on the saddle and the handlebars.



Lift the chain and pull back the derailleur and align the wheel.



Make sure the disk falls into the caliper. Make sure that the arrows on the Anti-Rotation Spacers are facing down and that the wheel falls into the drop out.



Re tighten the main wheel bolts.  
**The recommended tightening torque is 40Nm.**



Reconnect the hub connector cable.



Using the tool redo the cable guide which holds the hub connector cable in place.

## Replacing the brake pads

If the brakes are making a grinding or rubbing noise they could possibly have become worn, or have grit or dirt in them and will need to be cleaned or replaced.



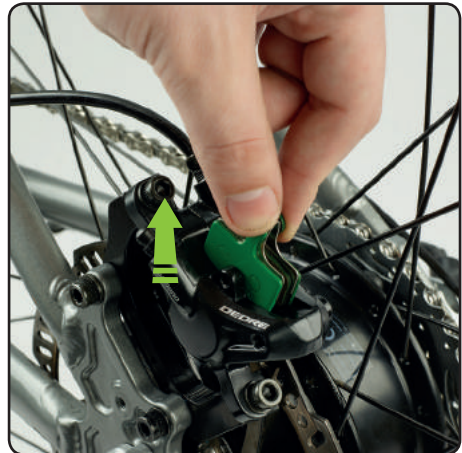
Place the frame upside down on a flat surface, resting on the saddle and the handlebars. Locate the pin in the caliper.



Straighten the pin with a pair of pliers.



Remove the straightened pin from the caliper.



Pull out the spring and brake pads

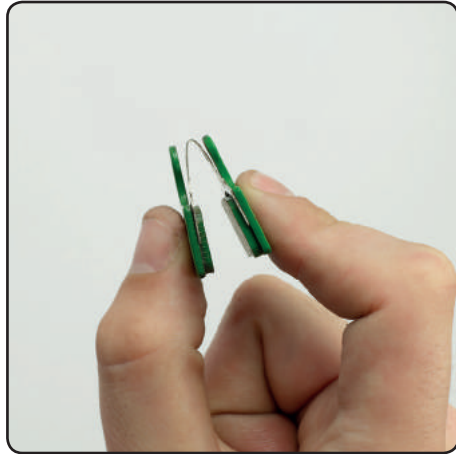




Ensure genuine Shimano pads are used:  
G01S (Resin) replacement pads for front and rear. 180mm (sm-RT66) for Rear and 180mm (sm-RT64) for Front.



Check to see whether the braking surface of the pads have been worn. If they are worn down to a thickness of 0.5 mm, or if the brake pad presser springs are interfering with the disk, replace the brake pads.



Combine the new or cleaned spring and brake pads as pictured above. The spring should be on the inside and brake pads on either side.



Insert the spring and brake pads into the caliper.



Reinsert and re-bend the pin to it's original state.



Do not use oil or cleaning fluids on the calipers or brake pads. If this happens they will need to be replaced.





## EBIKE TECHNICAL SPECIFICATION

<b>eBike model</b>	EB05
<b>Battery model</b>	126A0001
<b>Battery</b>	36V 5.6Ah Li-Ion
<b>Charging period</b>	3 Hours
<b>Battery charger output</b>	42V $\approx$ 2.0A
<b>USB output</b>	5V $\approx$ 1.0A
<b>Weight</b>	19Kg
<b>Frame</b>	17.5" Aluminium
<b>Motor</b>	36V 250W Rear Hub
<b>Modes</b>	Off Max Eco
<b>Drive train</b>	10 Speed, 11-36 teeth cassette
<b>Brakes</b>	180mm Hydraulic Disc
<b>Wheels</b>	27.5"
<b>Tyres</b>	27.5" x 2.35"
<b>Minimum inside leg</b>	73cm (29")
<b>Maximum inside leg</b>	94cm (37")

## TIGHTENING TORQUES (IN NEWTON METRES)

<b>Handlebars</b>	3Nm
<b>Handlebar stem</b>	6Nm
<b>Saddle</b>	6.8Nm
<b>Motor</b>	40Nm
<b>Wheel bolts</b>	40Nm
<b>Grips</b>	3Nm



# Warranty – Terms and Conditions

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Your 2-year warranty will be automatically registered for you.

If your Gtech eBike has a fault, don't worry, we're here to help. Go to [www.gtech.co.uk](http://www.gtech.co.uk) or call 01905 345 891 for assistance.

## WHAT ISN'T COVERED

**Gtech does not guarantee the repair or replacement of the product as a result of:**

- Normal wear and tear.
- Wear and tear of consumable items e.g. tyres, inner tubes, brake pads and handlebar grips.
- Accidental damage, faults caused by negligent use or care, misuse, neglect, careless operation or riding of the eBike which is not in accordance with the Gtech eBike operating manual.
- Use of the eBike for anything other than normal leisure and commuting purposes.
- Use of parts and accessories, which are not Gtech genuine components.
- Improper assembly, servicing or maintenance.
- If it is modified in any way.
- Repairs or alterations carried out by parties other than Gtech or its authorised agents.
- Damage caused by overloading the eBike with excessive weight.
- Damage caused when mounting or removing accessories from the eBike.
- If you are in doubt as to what is covered by your warranty, please call the Gtech Customer Care Helpline on 01905 345 891.

## SUMMARY

- The guarantee becomes effective at the date of purchase (or the date of delivery if this is later).
- You must provide proof of delivery/purchase before any work can be carried out on the eBike. Without this proof, any work carried out will be chargeable. Please keep your receipt or delivery note.
- All work will be carried out by Gtech or its authorised agents.
- Any parts that are replaced will become the property of Gtech.
- The repair or replacement of your eBike is under guarantee and will not extend the warranty period.
- The guarantee provides benefits which are additional to and do not affect your statutory rights as a consumer.

If you purchased directly from Gtech your details are already registered on our system and your 2 year warranty will be applied automatically.

# EC Declaration of conformity

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Models EB05 is an electric power assisted cycle and has been developed in accordance with:

2006/42/EC The Machinery Directive

2014/30/EU The Electromagnetic Compatibility Directive

and is in conformity with the applicable requirements of the following standards:

EN15194:2009+A1:2011 Cycles. Electrically Power Assisted Cycles - EPAC Bicycles

ISO4210-2:2015: Cycles. Safety Requirements for Bicycles - Part 2: Requirements for city and trekking, young adult, mountain bikes and racing bicycles.



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CPN2214