MTB Assembly Guide

How to use this Guide

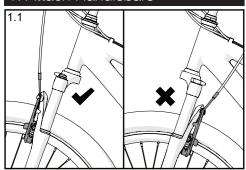
ISO4210

Please read this guide completely before assembling your bike.

WARNING! These points are extremely important and should be read, understood and implemented before riding your bicycle. Failure to observe these warnings may result in serious injury and/or damage to the bike. NOTE! These notes should be read and understood as the information may be useful to you in assembling of this hike

NOTE! Representative images are used throughout this guide, Your bike may differ from that shown.

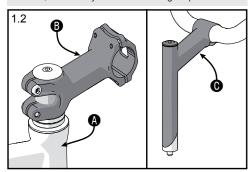
1. Attach Handlebars



1.1 Realign the forks.

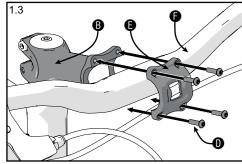
WARNING! When assembling the handlebars and warning! When assembling and use stem, make sure the forks are assembled correctly with the front brakes facing forward or with the disc brake on the left (when seated on the bike)

NOTE! Ensure the cables are not tangled or twisted ed, as this may effect brake and gear performance.



1.2 Identifying the stem type.

(proceed to step 1.3) or a Quill Stem (proceed to step 1.5).



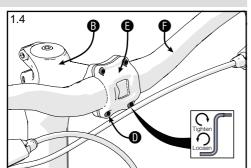
1.3 Remove stem clamp plate.

Loosen the stem cap bolts from the stem and remove the stem can

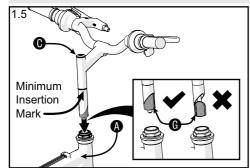
Place the centre of the handlebar in the open stem **3** and hold the stem cap **3** in position over the handlebar 6.

1.4 Secure stem bolts.

Replace the stem cap bolts taking care to tighten them evenly and firmly (12-14Nm for 2 bolt stems and 10-12Nm for 4 holt stems) (Proceed to stage 2)



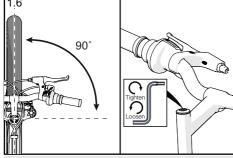
WARNING! When assembling the handlebars and stem, make sure it is inserted beyond the Minimum Insert Mark. Failure to observe this warning may result in serious personal injury.



1.5 Insert the Quill stem.

Loosen the stem bolt to allow the wedge nut to move freely.

Insert the stem o into the head tube of the bike . Ensuring that the wedge nut is correctly aligned with the stem.



1.6 Secure the guill stem

Adjust the handlebars and stem to the desired height and align with the forks as shown.

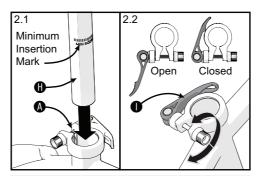
Using the supplied hexagonal key, tighten the stem bolt firmly (15-17 Nm).

2. Attaching the Saddle

WARNING! When assembling the seatpost, make sure it is inserted beyond the **Minimum Insert** Mark. Failure to observe this warning may result in

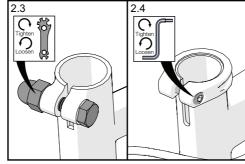
serious personal injury. 2.1 Insert the seatpost and saddle.

Insert the seat post on into the seat tube of.



2.2 Quick release seatpost clamp.

If your bike is fitted with a quick release seat post clamp then fasten with the release lever **1**. For more information on the correct use of a quick release then read section 5.



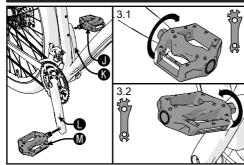
2.3 Securing seatpost (bolted)

If your bike is fitted with a regular bolted seatpost clamp then tighten the seatpost nut firmly (16-18 Nm) using the supplied tools

2.4 Securing seatpost (Allen Kev)

If your bike is fitted with an Allen keyed seatpost clamp then tighten the seatpost bolt firmly (8-10 Nm) using the supplied tools

3. Attach Pedals



WARNING! The Pedals are Different, they have different threads for each side of the bicycle.

NOTE! Your pedals are in a separate box within the main posterior the main packaging.

NOTE! The pedals **1** and the crank arms **1** have colour coded stickers to indicate which pedal matches which crank. To prevent damage to the threads, only tighten the pedals in the direction indicated

3.1 Fitting the right hand pedal.

Locate the right hand pedal , this will have a green sticker attached

Locate the right hand crank arm . this will also have a green sticker attached.

Remove the sticker from the crank Insert the threaded shaft of the right hand pedal ● into the threaded hole of the right hand crank arm . in the direction of the colour coded sticker Fully tighten using the supplied multitool (40Nm).

3.2 Fitting the left hand pedal.

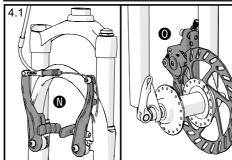
Locate the left hand pedal **1**, this will have a **red** sticker attached.

Locate the left hand crank arm . this will also have a red sticker attached.

Remove the sticker from the crank 6

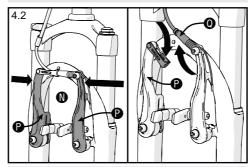
Insert the threaded shaft of the left hand pedal into the threaded hole of the left hand crank arm. Tighten the pedal using only your fingers anti-clockwise in the direction of the colour coded sticker. Fully tighten using the multitool (40Nm).

Attach Front Wheel



4.1 Identifying the brake type.

If your bike is equipped with V-brakes then continue below, if it has disc brakes **0** then proceed to step 4.7. NOTE! Before the front wheel can be installed, the front brake must be disconnected. This allows the front tyre to pass between the brake pads during assembly

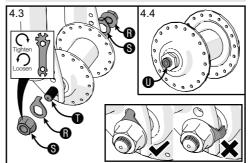


4.2 Disconnect the front brake.

Squeeze the two brake arms of the front brake together with one hand.

Using your other hand, pull the guide pipe and cable 0 across and up to release it from the right hand brake arm .

Release the brake arms and let them spring apart.



4.3 Insert the wheel

Insert the axle of the front wheel into the slots at the bottom of the front forks

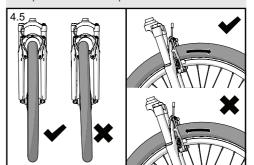
Securing the wheel. (Nutted Axles)

Loosen the wheel nuts 3 on both ends of the front wheel axle **1**, so that they slide over the fork dropouts. If your bike is fitted with tabbed washers then ensure that they guided into their catch hole above the axle. Tighten the nuts very tightly (22-25Nm) using the supplied multitool.

4.4 Quick release spindles.

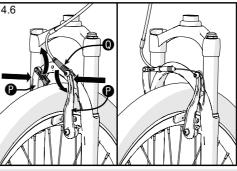
If your front wheel axle **0** is hollow and has no wheel nuts then this bike is fitted with a quick release spindle.

To secure the wheel then fasten with the release lever. For more information on the assembly and correct use of a quick release wheel spindle then read section 5.



NOTE! Ensure the wheel is centralised in the NOTE! Ensure the whole had not or quick forks before tightening wheel nuts or quick release spindle.

NOTE! Some tyres have a "Direction of Rotation" arrow on their side. When the front wheel is assembled, the arrow should be pointing in the direction the wheel will rotate.

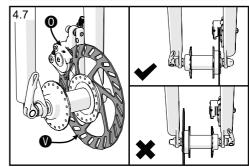


4.6 Refit the front brake.

If your bike is equipped with V-brakes then continue below, if it has disc brakes then proceed to step 4.9. Squeeze the two brake arms **O** of the front brake **O** together with one hand

Using your other hand, locate the guide pipe and cable on the retaining plate slot on the right hand

Release the brake arms **2** and let them spring apart. NOTE! Check that the front wheel rotates freely, if it does not , the front wheel may not be located centrally between the forks. Alternatively the front brakes may need adjusting. (See section 6)



4.7 Disc brake alignment.

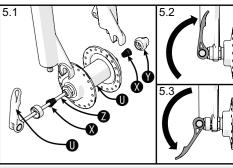
If your bike is equipped with disc brakes then take care to guide the disc rotor into the disc brake calliper when fitting the front wheel.

5. Quick Release

If your bicycle is equipped with quick release wheels then you will need to fit the spindle before attaching the front wheel.

Remove all packaging, you will find the quick release spindle in the same box as the pedals. Your Seatpost clamp may also use a quick

release, follow these instructions for its correct



5.1 Wheel quick release

Remove the nut

and one spring

from the skewer **2**. Insert the skewer **2** through the axle **0**. Refit the spring

and cap

onto the skewer

5.2 Securing a quick release.

When securing a wheel in position, the quick release lever is closed as shown. (Not by rotating the lever!) In most case this will be moving it from where it curves outward to a position where it curves inwards.

5.3 Releasing a quick release

To release, move the lever **1**80° to its open position.

Adjusting a guick release

With the wheel in the frame, open the guick release lever **①**. Whilst holding the lever **①**, turn the nut **③** until you can feel some resistance against the forks. Close the lever **0**. If you cannot fully close it, open it again and unscrew the nut a little. Repeat this adjustment until you can fully close the lever **①**. When closed to the locked position the mechanism should emboss the

Safety Information

WARNING! This bicycle has been manufactured in accordance with the ISO 4210-2: 2014 and should only be used for recreational riding on roads and cross country trails. It should not be used for competitive riding, stunting or jumping or any other form of extreme cycling such as downhill or dirt jumping. Activities such as these may result in component failure and can cause serious personal injury.

WARNING! This bicycle is only suitable for use by riders (including any accessories and luggage) with a weight of less than the following: 29"/26" wheel bikes - 115kg, 24" wheel bikes - 85kg and 20" wheel bikes

WARNING! Always wear suitable clothing when riding. Loose clothing which may get caught in moving parts should be avoided. We strongly recommend that a helmet is always worn when cycling. This should be of the correct size and conform to the European Standard

WARNING! Always obey local traffic laws. National legal requirements may apply when riding on public roads and this could include the use of lights and

WARNING! Always take extra care when riding in wet, foggy, windy or icy conditions. The brakes may not be as effective and stopping distances could be increased.

WARNING! Over an extended period rim brakes will not only wear down the brake blocks, they will also abrade the actual material of the wheel rim. The rims of your bicycle have a small groove in their braking surfaces and it is essential to regularly check that these wear indication grooves are visible all round the rim. Should any part of the groove disappear, then the wheel must be replaced. A worn rim could unexpectedly collapse resulting is serious personal injury.

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

WARNING! Bicycles have moving parts which can cause serious entrapment injuries. When riding or performing maintenance fingers, hands and other unprotected parts of the body should be kept clear of wheels and the transmission when they are rotating.

Setup & Maintenance

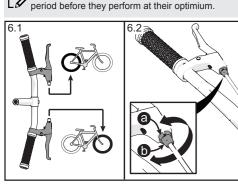
Complete these checks before riding

NOTE! The majority of your new bicycle's components have been assembled, adjusted and checked by trained professionals before delivery to you. However due to the transportation and reassembly it might be necessary to make some slight adjustments before riding to get the most from your bicycle and ensure the safety of the rider.

6. Brakes

NOTE! Your brakes will need adjusting before riding for the first time.

NOTE! Throughout the life of your bike, the front and rear brakes may need adjusting if the brake cable has stretched or the pads have worn down. NOTE! Disc Brakes will require a bedding in



6.1 Brake use

The bicycle is fitted with front and rear brakes to stop the bike effectively

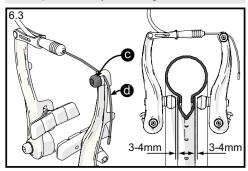
The brakes are operated using two brake levers mounted on the handle bars. The left hand brake lever operates the rear brake and the right hand brake lever operates the front brake

6.2 Minor brake adjustment (Disc & V-brakes)

If the brakes need adjusting then fine tuning can be done at the appropriate brake lever.

Unscrew the brake barrel adjuster **b** to increase or decrease cable tension

To increase the tension and move the brakes closer to the rim, then turn the barrel adjuster b anti clockwise. To decrease the tension and move the brakes further from the rim, then turn the barrel adjuster clockwise. Screw the lock nut@ back against the body of the brake lever to prevent the adjuster moving.



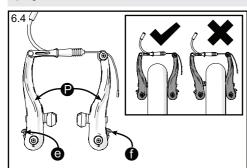
6.3 Adjusting V brakes

If further adjustment is required then the brake cable tension will need to be altered. This must be adjusted so that the brake blocks are close to the rim when no pressure is applied to the lever

Loosen off the cable pinch bolt using the tools provided, until the brake cable d is free to move. Pull the cable d through the pinch bolt so that the brake blocks are approximately 3-4mm from the wheel rim. Retighten the cable pinch bolt whilst holding the brake cable in position

6.4 Adjusting V brake spring tension.

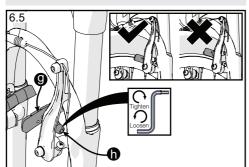
Over time, the brake arms can begin to lean to one side or another. This can be corrected by adjusting the spring tension of the individual brake arm.



If the brake arms are leaning to the left then tighten the right spring tension screwe.

If the brake arms P are leaning to the right then tighten the left spring tension screw

Apply the brakes using the brake lever several times to centre the brakes and readjust spring tension if required.

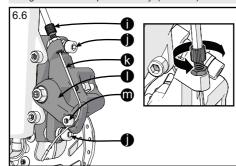


6.5 Adjusting V brake pads.

Check that the pads make full contact with the rim and do not touch the tyre. Ensure all parts are tightened correctly

Loosen brake pad nut h using the appropriate tool until the brake pad (a) is able to move

Align brake pad with the wheel rim. Retighten the brake pad nut firmly. (8-10 Nm)



NOTE! Disc Brakes will require a bedding in period before they perform at their optimum.

6.6 Aligning mechanical disc brakes.

Loosen the two brake calliper mount bolts so that the brake calliner is able to move

Pull the brake lever on the handlebars, this will push the brake pads against the rotor and move the calliper into the correct position.

With the brake lever pulled tight, retighten the brake calliper mount bolts firmly. (10-12 Nm)

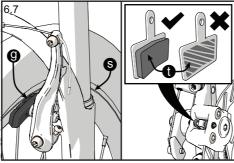
6.7 Adjusting mechanical disc brakes.

Loosen the cable pinch bolt os that the brake cable

Move the Calliper arm towards the cable adjuster bolt and hold in position

Retighten the cable pinch bolt .

Spin the wheel and check the brakes, fine adjustments can be made by using the cable adjuster bolts (1) at both the brake calliper and brake lever.



NOTE! All brakes should be checked before and after every ride.

NOTE! Disc brake advice based on common disc components, If your bike has disc brakes fitted then please see your individual manual regarding

6.7 Inspecting V brakes

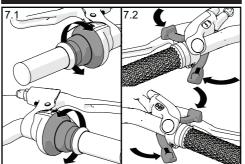
Inspect the grooves on the braking face of the brake block (9), releasing the brakes as shown in step 4.2 may be required. If the block has been worn smooth then replace it with an appropiate block

It is also important to check the rim for wear, if the rim wear indicator has been worn away at any point on the rim then the bike must not be ridden until the rim has been replaced

6.8 Inspecting disc brakes.

Inspect the brake pads within the disc brake body for wear, removing the wheel may aid inspection. If the pads are low or have been worn away then the bike must not be ridden until they have been replaced.

7. Gears



NOTE! Do not change gear whilst the bike is stationary. You should always turn the pedals when changing gear

NOTE! There are two main types of gear shifters: Twist shifters 7.1 and Trigger shifters 7.2. NOTE! The left hand shifter operates the front

gears and the right hand shifter the rear gears. NOTE! Most systems have an indicator to show

7.1 Twist shifter - left hand

Rotate the inner grip away from yourself to select a lower gear and rotate the inner grip towards you to select a higher gear.

you which gear is selected.

Twist shifter - right hand

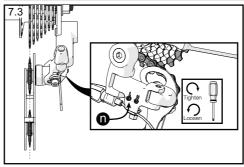
Rotate the inner grip away from yourself to select a higher gear and rotate the inner grip towards you to select a lower gear.

7.2 Trigger shifter - left hand

Push the lower (thumb) trigger to select a higher gear and pull the upper (finger) trigger to select a lower gear.

Trigger shifter - right hand

Push the lower (thumb) trigger to select a Lower gear and pull the upper (finger) trigger to select a higher



NOTE! As the rear derailleur mechanism is sprung loaded, the chain tension is automatically adjusted when the gears are changed.

NOTE! Your Gears will need adjusting before riding for the first time.

NOTE! Whilst riding the bike, if the gears fail to work correctly and/or become noisy, the rear derailleur may need adjusting.

7.3 Adjusting the rear derailleur

NOTE! The lowest gear combination is always the largest gear at the rear and the smallest gear at the front.

Select the lowest gear combination

Whilst raising the rear of the bike and rotating the pedals by hand, use the gear shifters to select the lowest gear.

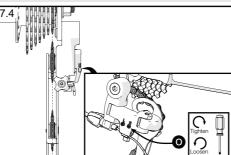
Set position of lower limit screw

The lower limit screw on controls the position of the rear derailleur when the lowest gear is selected. Using a screwdriver, rotate the lower limit screw in until

the small wheels of the derailleur are vertically aligned below the lowest gear

Turn the lower limit screw clockwise to move the derailleur to the right (when viewed from the rear of the

Turn the lower limit screw an anti-clockwise to move the derailleur to the left.



7.4 Select the highest gear combinati

NOTE! The highest gear is always the smallest gear at the rear and the largest gear at the front. Whilst raising the rear of the bike and rotating the pedals by hand, use the gear shifters to select the highest gear.

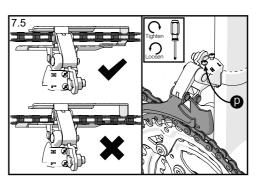
Set position of upper limit screw

The upper limit screw o controls the position of the derailleur when the highest gear is selected.

Using a screwdriver, rotate the upper limit screw o until the small jockey wheels of the derailleur are vertically aligned below the highest gear.

Turn the upper limit screw o clockwise to move the derailleur to the right.

Turn the upper limit screw o anti-clockwise to move the derailleur to the left.



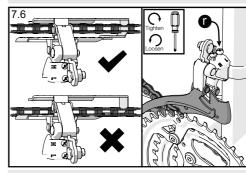
7.5 Adjusting the front derailleur Select the highest gear combination

Whilst raising the rear of the bike and rotating the pedals by hand, use the shifters to select the highest gears. Set position of upper limit screw

The upper limit screw ocntrols the position of the front derailleur when the highest gear is selected.

Using a screwdriver, rotate the upper limit screw (2) until the front derailleur is almost touching the chain. The front derailleur must not touch the chain

Turn the upper limit screw n clockwise to move the derailleur to the right (viewed from the rear of the bike) Turn the upper limit screw anti-clockwise to move the derailleur to the left



7.6 Select the lowest gear combination.

NOTE! The lowest gear combination is always the smallest gear at the front and the largest gear at

Set position of lower limit screw

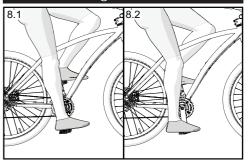
The lower limit screw controls the position of the front derailleur when the lowest gear is selected.

Using a screwdriver, rotate the lower limit screw until the front derailleur is almost touching the chain. The front derailleur must not touch the chain.

Turn the lower limit screw clockwise to move the derailleur to the right

Turn the lower limit screw anti-clockwise to move the derailleur to the left

8. Saddle Height



WARNING! When assembling the seatpost, make warning when assembling and sure it is inserted beyond the Minimum Insert Mark. Failure to observe this warning may result in serious personal injury

NOTE! Read section 2 for additional information regarding seat post fixings.

8.1 Initial seat adjustment

Sit on the seat in riding position without shoes, whilst someone else holds the bike upright.

Position the crank arms so they are parallel to the seat tube of the frame

Loosen the seat post bolt or quick release.

Extend the seat post, until with your heel resting on the pedal, your extended leg is straight.

Tighten seat post bolt or quick release.

8.2 Correct seat height

After the adjustment and when wearing shoes, there should be a slight bend in your knee whilst in the proper riding position with the ball of your foot on the pedal. You should be able to touch the ground on either side of the bicycle with the tips of your toes.

9. Suspension

NOTE! If your bike has front suspension forks or rear suspension fitted then please see your individual manual regarding maintenance and use.

10. Accessories

NOTE! Should any accessory be included with this bicycle it will have its own fitting, operating and maintenance instructions

NOTE! Should you want to fit a luggage carrier and/or child seat to your bike we recommend a visit to your local cycle dealer for advice on suitability and fitment

NOTE! Before fitting a bicycle trailer or trailer bike to your cycle we suggest you consult your local cycle dealer for advice on its suitability.

11. Routine Maintenance

WARNING! Only use the correct, genuine and appropriate replacement parts, especially for safety critical components, such as tyres, tubes and brakes.

NOTE! For advice on assembly or help finding spares then call our helpline on 0845 129 9248.

NOTE! It is recommended that the bike is serviced by a qualified bike technician every 12 months.

Before and after each ride

Check the steering is smooth and the handlehar is secure Check the tyres are correctly inflated. Check the efficiency of both brakes.

Every month.

Lubricate the chain and the rear freewheel and brake pivot points with a bike specific light oil.

Check the security of components and all nuts, bolts and fixings. Check the brake blocks or disc pads and tyres for wear or damage and replace if necessary

Check the spokes are tight and all rim wear grooves are visible.

Every 6 months.

Check the frame and forks for signs of damage. Check the wheels are running true. Check the front and rear gears for signs of damage.

Every 12 months.

Inspect and grease the wheel hub bearings. Inspect and grease the headset bearings. Inspect and grease the bottom bracket bearings.

12. Tightening Torques

Use the information below to ensure the correct torques are applied to your bicycle components.

	•	
Fastener	(Nm) Fastener	(N
Front wheel nuts	22-25 Seat post clamp	
Rear wheel nuts	25-29 Bolt or nut	16-
Quill stem bolt	17-19 Allen bolt	8-
Handlebar clamps	Brake cable pinch nut	6
1 bolt	16-18 Crank bolt	
2 bolt	12-14 Pedals	
4 bolt	8-10 V-brake blocks	8-
A-Head clamp bolt	18-20	

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TECHNICAL SUPPORT: