

PLANET X BOXED BIKE ASSEMBLY GUIDE



Bike Assembly Guidance:

Congratulations on your purchase of a new bike from Planet X. Your bike has been fully assembled, adjusted and safety-checked by our qualified mechanics prior to being prepared for shipment. To ready it for use you need to adjust components that may have been repositioned to enable your bike to be safely shipped. This guide will show you how.

Warning:

Cycling can be a dangerous pastime. Riders should be aware that they are responsible for their own safety and that of other road / trail users. Always wear suitable protective equipment, including a bicycle helmet, and ride within your limits at all times.

Bike Reassembly:

To prepare your bike for riding you will require a set of Allen keys, tyre pump and, potentially, a pedal spanner and a suspension shock pump. If your bike has suspension do not sit on the bike until the forks and rear shock have been inflated to their minimum stated pressure.

To ensure safe assembly of your bike please pay attention to the following areas.

Axle Thread Preparation.

Always ensure that all threaded components, such as bolts, are prepared with suitable grease / anti seize compound. Correct preparation of threaded parts ensures even assembly tension and reduces the risk of them seizing.

Torque Settings.

All bicycle components require tightening to specific torque settings. These are written on the parts next to the bolts. Failure to follow manufacturer recommendations can lead to component damage and may invalidate your warranty. We strongly recommend that you purchase a torque wrench if you have a carbon frame, handlebars or seat-post.

Carbon Components.

We strongly recommend the use of carbon assembly paste (CAP) between any carbon components on your bike. This is particularly important between frame/ seat-post and fork steerer/ stem/ handlebar if any of the parts are made from carbon fibre. CAP increases the surface friction between carbon and aluminium parts, reducing the required bolt tension to hold them in place and reducing the risk of over tightening and damage.

Description of packed state of bike:

Most Planet X bikes are shipped with the front wheel removed and the bars removed. Mountain bike and tubular tyres may have been only partially inflated. The saddle may also have been removed. Suspension forks and rear shocks may only be partially pressurized. Pedals will not be fitted.

Front wheel fitting:

There are two different type of front wheel quick releases, the standard type has a lever at one end and a shaped nut on the other. The Thru Axle type which replaces the front hub axle has a lever at one end and a large diameter threaded shaft.



STANDARD QUICK RELEASE

THRU AXLE RELEASE

To fit your front wheel, sit the hub in the drop-outs of the fork, making sure your disc is aligned with the disc calliper if you have disc brakes, or making sure that your brake callipers have been opened if you have rim brakes. Rim brake front wheels should be fitted following the 'directional' marks on the tyre casing.

To fit a standard QR wheel, turn the QR lever clockwise until you feel light resistance, back it off between half and one full turn and then close the lever so that the forks are firmly clamped with significant resistance at the lever.

For Thru Axle wheels slide the wheel into the fork drop out, insert the Thru Axle into the fork and push it through to the opposite side. When it contacts the other side of the fork rotate the lever clockwise until snug and then close the lever.

Check there is no side-to-side movement of your front wheel and re-fit if any wobble is present. A small amount of deflection at the rim under load is to be expected. After fitting the front wheel, test the function of both your front and back brakes. **If in any doubt, refer to the manufacturers instructions; do not ride your bike with a loose wheel under any circumstances**

Stem /handlebar adjustment:

Your handlebars may have been removed and will require fitting into the stem and adjusting to the desired position. We recommend riding your bike for a short while before using the following settings for adjustment, according to your personal preference. Visual examples are on the following page. Always follow the manufacturers recommended torque settings for stem bolts and use assembly friction paste if the clamping area of the bars does not already have a manufacturer applied friction treatment.

- For road bikes it is usual to have the top of the bar parallel to the ground or with a very slight upwards tilt. 1-3 degrees.
- For TT/Triathlon bikes it is usual to have the horizontal part of the extensions parallel to the ground or with a moderate upwards tilt. 1-10 degrees.

- For mountain bikes it is usual for the brake and shifters set with a downwards tilt 45 degrees to the ground. As a guide set them to follow a straight line extending from your shoulders when seated.



Headset adjustment:

The headset tension on your bike will have been pre-set when your bike was built; now that your stem and handlebars are adjusted you can check the correct tension is still present. Stand astride your bike, pull the front brake lever and rock back and forward on the handlebars. There should be a little give from the tyres and flexing of the brake calliper. If there is a pronounced rocking or any knocking you need to adjust your headset tension.

To adjust the headset, loosen the rear pinch bolts on the stem. Then tighten the top-cap bolt to the required tension. Re-tighten the rear pinch bolts and then check everything is correctly tensioned with a torque wrench. Torque measurements will be printed on the components.

Pedal fitting:

If you have purchased pedals with your bike fit them prior to setting the saddle height. Grease the pedal axles generously before fitting.

Pedals have different threads on the left and right hand sides. The right pedal fastens in a clockwise direction; the left pedal fastens in an anti-clockwise direction.

LEFT



RIGHT

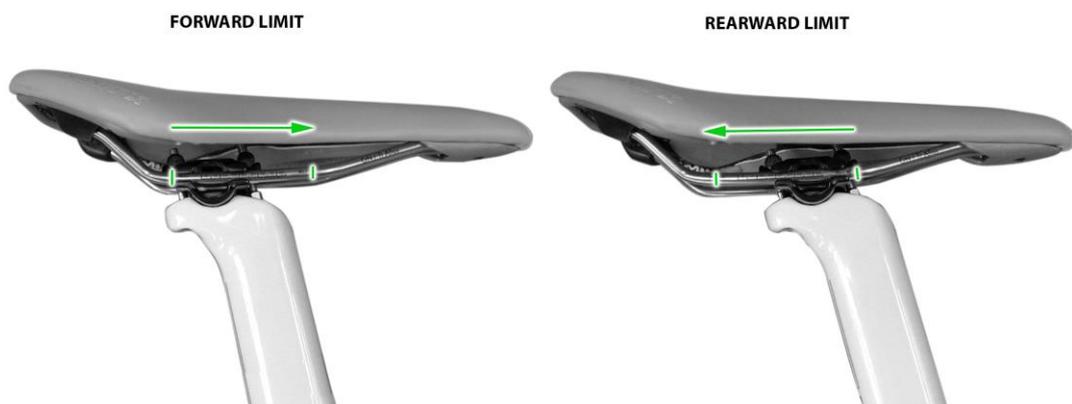


Make sure you are fitting the pedals to the correct side; you can identify them by the orientation of the thread as shown above. Never try to force your pedals to fit, only fasten them using finger tension until you are sure the threads are correctly aligned. Tighten your pedals to the correct tension with a pedal spanner/Allen key before riding your bike.

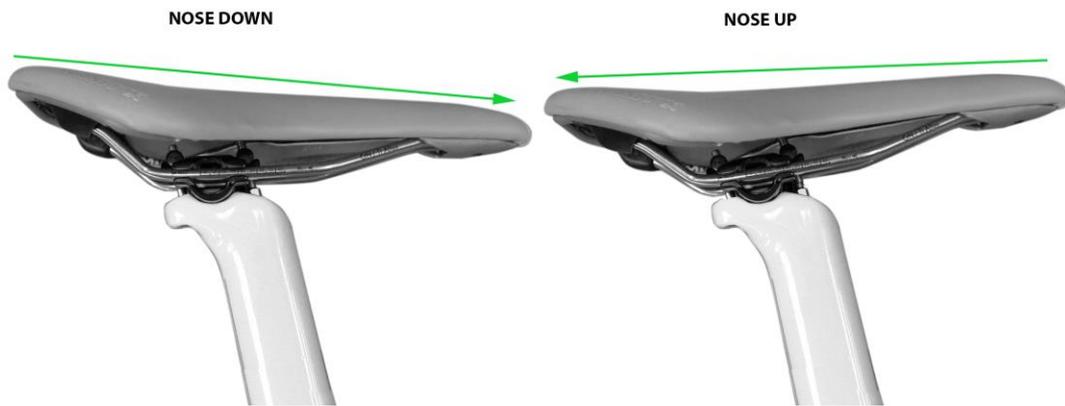
Seatpost adjustment:



Set your saddle height for the most comfortable riding position. A good starting point is to retain a few degrees of bend at the knee when the pedal is at the lowest possible point.



Slide the saddle forward and backwards in the seat-clamp until you have a comfortable forward reach towards the handlebars. Do not exceed the marked positions on the saddle rails.



Saddle tilt can help dial in your position on the bike. Anywhere from 5 degrees nose up to 2 degrees nose down is a typical range. Tilting the saddle down will place more weight on your arms, tilting it up will place more pressure on your groin.

Tyre inflation:

In some cases bikes may be shipped with tyres only partially inflated. High-pressure tubular tyres and Fat Bike tyres are usually sent in this way. Re-inflate your tyres before riding your bike referring to the manufacturers recommendations, usually printed on the tyre sidewall.

Suspension inflation:

Suspension forks and rear shocks may require inflating to the correct pressure for your weight before using the bike. Do not sit on your bike if there is no pressure in the fork or rear shock, as damage to the shock/forks can result from compressing them when underinflated. Please refer to the suspension manufacturer's recommended settings.

Regular Maintenance:

Maintaining your bike with a regular service regime will increase its lifespan and reduce the risk of parts failure. Before every ride we recommend that you check the following.

- Correct tyre pressure and for any foreign embedded matter.
- Check air pressure in front and rear suspension if present.
- Check brake function and pad / disc wear.
- Rotate wheels to check alignment and true as required.
- Check seat-post, stem and handlebar pinch bolts are at required torque settings.
- Lubricate chain as required.
- Check wheel quick releases are correctly fitted and tightened.

If you ride your bike daily then we recommend that you check all the moving parts including all suspension parts and clean and re-lubricate as required. Suspension parts should be professionally serviced in accordance with the manufacturers guidelines.

If you ride your bike in the wet please dry it thoroughly before storing it. Always dry and lube the chain after a wet ride. **GT85 and WD40 are not chain lubricants!** They are fine to drive water out of a wet chain prior to drying it with a workshop cloth and before lubricating it with a quality chain lube.

Re-use Of Packing Materials:

Please retain the original shipping box and all the packing materials in case you are required to ship your bike. They provide the ideal protection and are a courier friendly and cost effective size. If you ever have to return your bike to Planet X please ensure it is packed in exactly the same way as it was delivered.

Planet X Warranty:

All Planet X, On-One and Titus bikes carry a 2-year warranty as standard for the original owner. All other branded goods carry the full manufacturer's warranty, which may vary in duration but will be a minimum of 1 year.

The warranty protects the customer against manufacturing defects and faults. It does not cover issues, problems or damage arising from wear and tear, misuse, modification, improper installation or crash damage. Tyres, tubes, cables, brake blocks / pads / discs, bearings, cassettes, chainrings and chains are all consumable items; these will wear with use and should be replaced by you as often as is required.

If you believe you have a legitimate warranty issue with your Planet X purchase please visit our website for more details www.planetx.co.uk/help/warranty

Final Warning:

It is your responsibility to ensure that your bike is correctly assembled before riding. Planet X accepts no responsibility for injury or damage caused by faulty home assembly. If you have any doubts at all please view the video below or contact our customer service department directly. <https://www.planetx.co.uk/help/how-do-i-set-up-my-fixed-spec-bike>