

# HORNIT HERO



User Manual

## WARNINGS



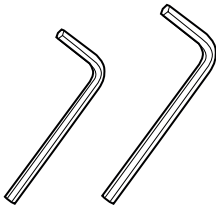
## READ USER MANUAL IN FULL BEFORE USE.

To avoid serious injury:

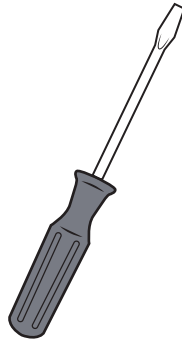
- Adult assembly is required by a competent person. If you are unsure about anything please use a qualified bicycle mechanic.
- A cycle helmet, appropriate clothing and footwear should be worn.
- Use only in a safe location and under the supervision of an adult until the rider has appropriate skills for their environment including road safety and awareness. Remember children are less visible in traffic.
- If riding in low light then use lights and reflective equipment.
- In case of an accident please check the bike for damage to make sure it's safe to continue riding.
- HERO is made for rides on paved and unpaved roads, tracks and light trails. It is fine with small jumps and bumpy terrain. It is not designed for BMX style, stunt riding or downhill racing. Nor adults! HEROs have been tested up to 60kg.



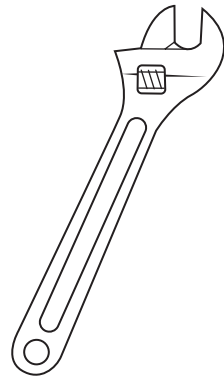
Your HERO bicycle has been checked, tuned and carefully repacked by one of our mechanics before being shipped to you. It will need the front wheel and handlebars to be reattached by following these instructions. You will need these tools:



4 & 5mm  
Allen keys



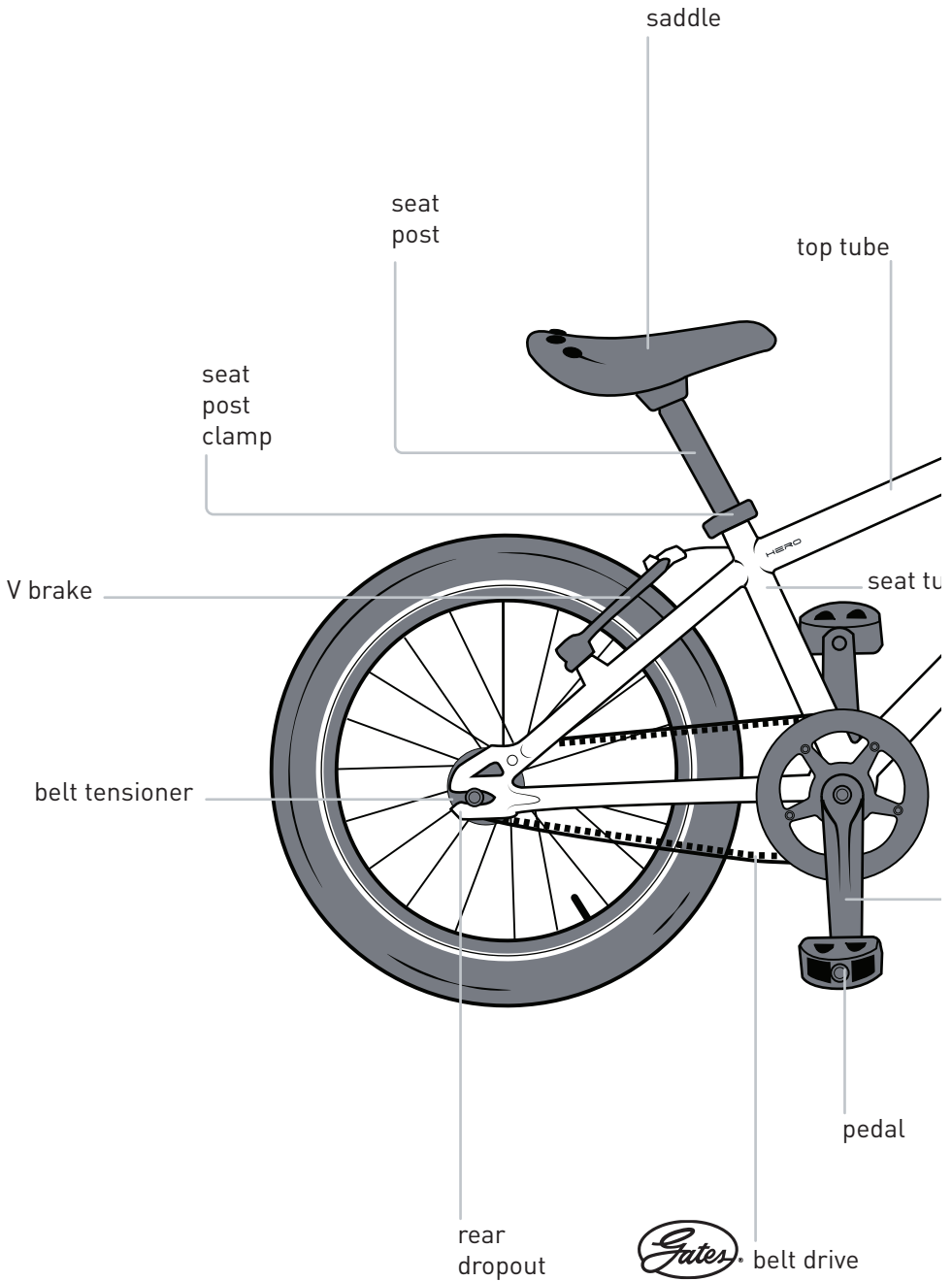
Flat-head  
Screwdriver

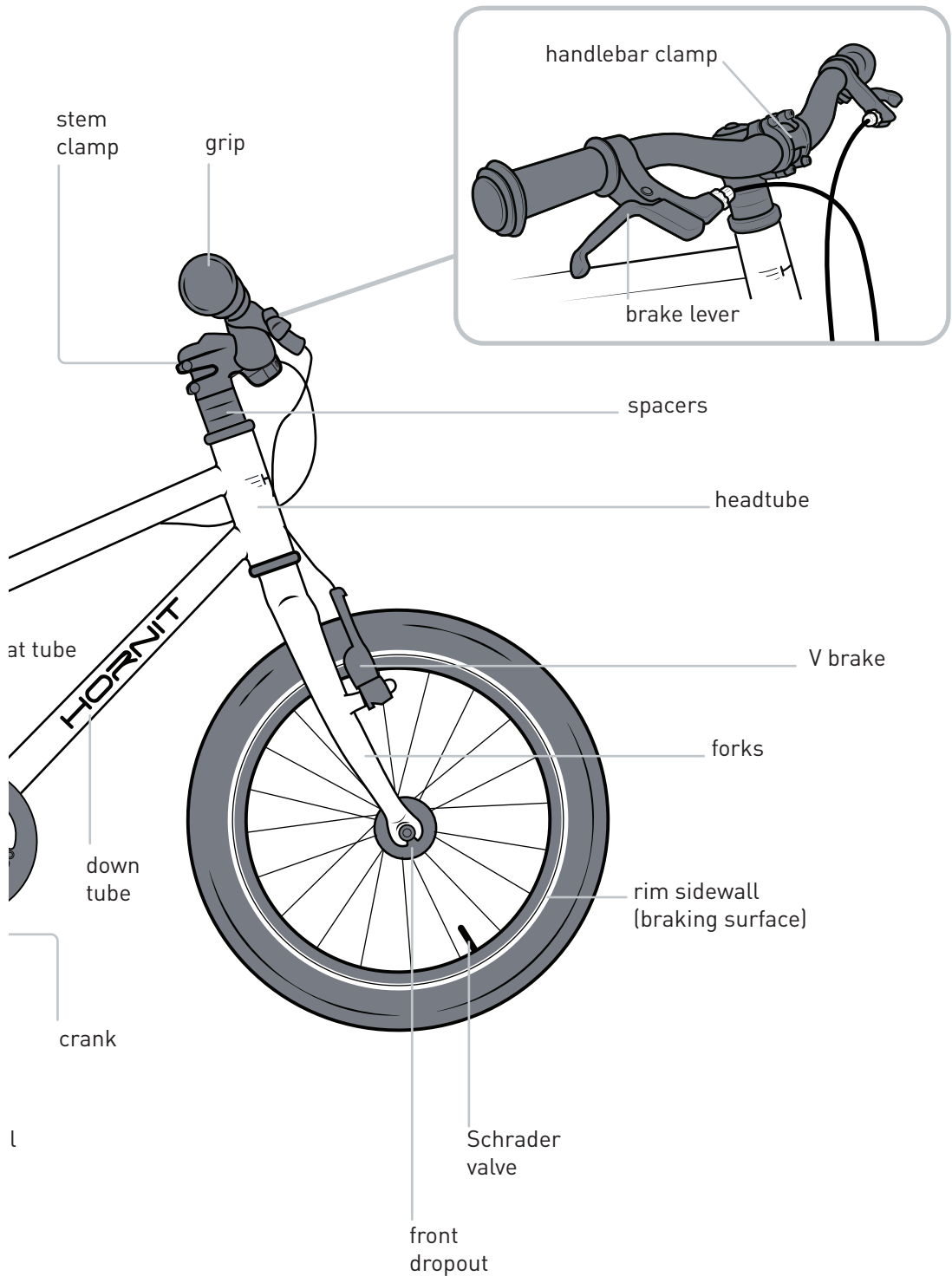


15mm or Adjustable  
Spanner

Carefully unwrap your HERO using scissors/snips to cut the cable ties. It is important to note that different bolts have different torque requirements. Over-tightening bolts can damage them. Torque measurements are given in Newton meters (Nm).

# Anatomy of a HERO







The handlebar arrives detached from HERO and needs to be mounted.

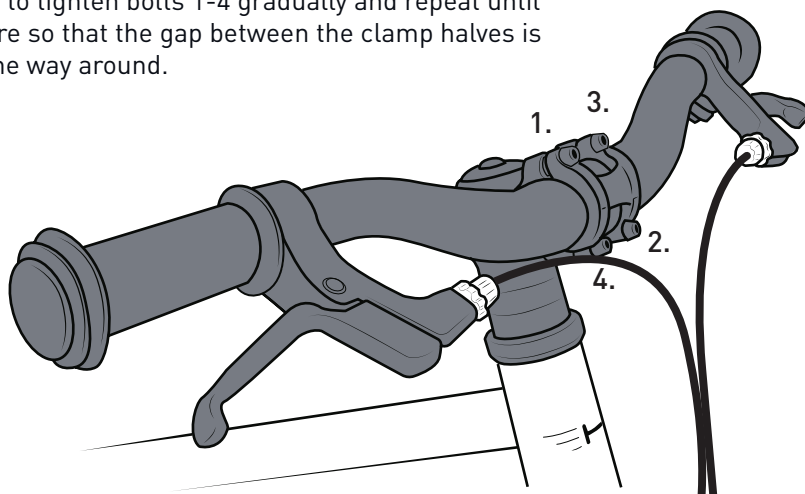
a. Remove the 4 bolts from the handlebar clamp with a 4mm Allen key.



b. Place the handlebar centrally against the stem, with the cables untwisted and insert all four bolts by hand.

c. Check that the angle of the brake levers sit at approximately  $45^\circ$  to the handlebars. The rider should not have to strain their wrists to reach the brake levers.

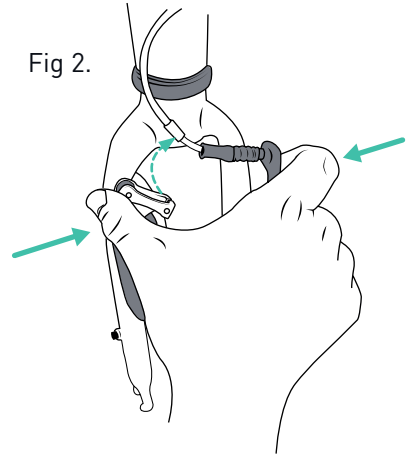
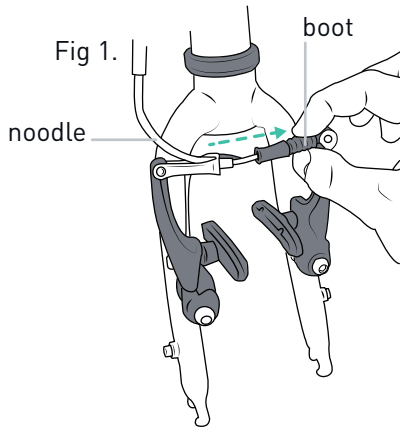
d. Use a 4mm Allen key to tighten the bolts in a cross sequence shown in the diagram below (5-7Nm). It is important to tighten bolts 1-4 gradually and repeat until fully secure so that the gap between the clamp halves is even all the way around.



## Front Wheel

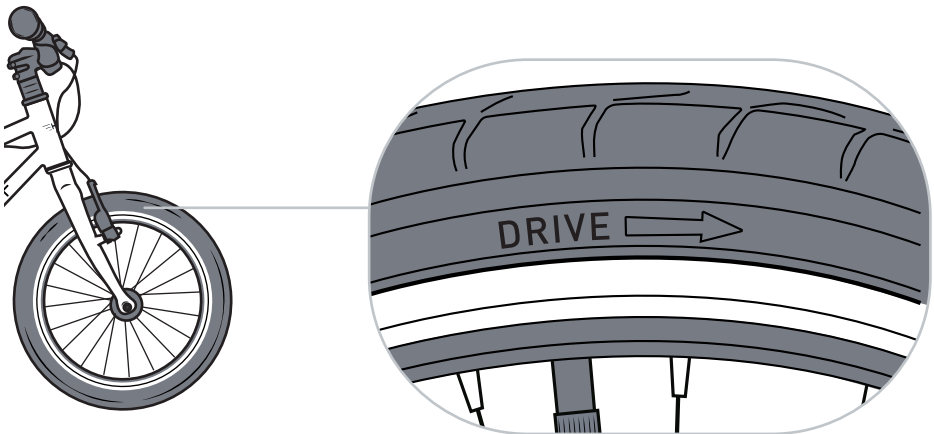


In order to fit the front wheel the V brakes need to be released as shown here:



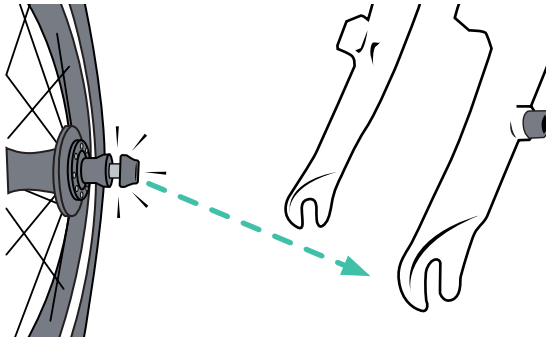
The front wheel can now be attached.

Check the side wall of the tyre for the direction arrow to ensure it is facing the bike's forward direction.

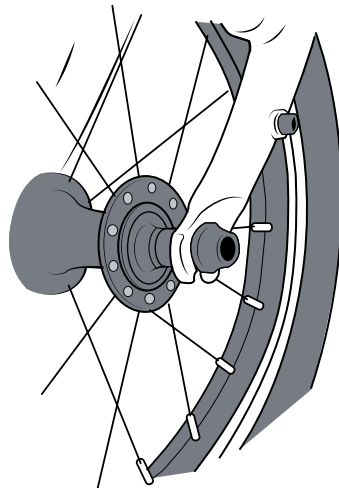




Undo the axle using a 5mm Allen key so that it is wide enough fit in the dropouts at the bottom of the front forks.

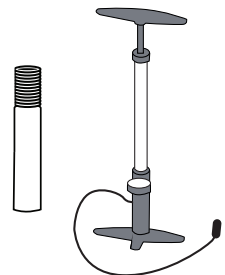


Tighten both sides alternately until fully secure (10-12Nm).



Reset the brakes by squeezing the two sides together and engaging the cable tube back into its housing. Push the rubber boot back (Fig 2 followed by Fig 1 - p6). Check that the wheel can spin freely.

Recommended pressures are stated on the side of the tyres, usually 40-65psi (2.8-4.6bar). Give them a squeeze; there should be very little give. They have Schrader valves (like your car tyres). Check them regularly as low pressure tyres are harder to pedal!

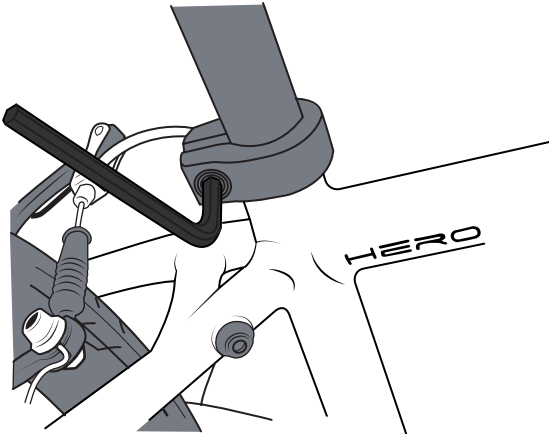




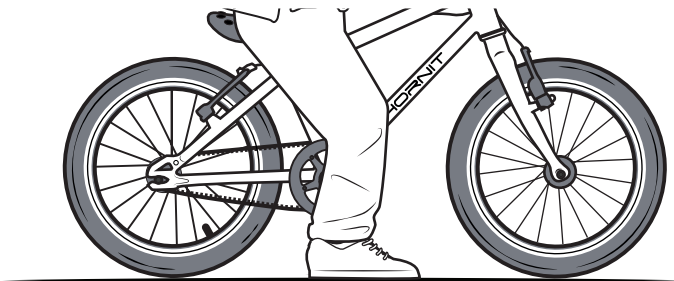
## Saddle



- a. Loosen the seat post clamp using a 5mm Allen key.



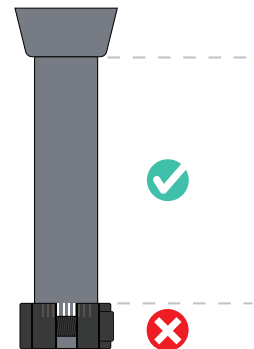
- b. Children's bikes are not fitted in the same way as adult bikes: adjust the saddle position so that your child can comfortably put their feet on the ground to minimise the risk of falling.



- c. Tighten seat post clamp securely (8Nm).

As they grow in confidence and ability you can increase the saddle height so that they are able to touch the ground with the balls of their feet, and put more power into their pedalling.

The seat post has a height limit shown by hatch lines around the tube. Do not exceed this – instead it's time for an upgrade. Bought the wrong size? See our delivery & returns page at [hornit.com](http://hornit.com)

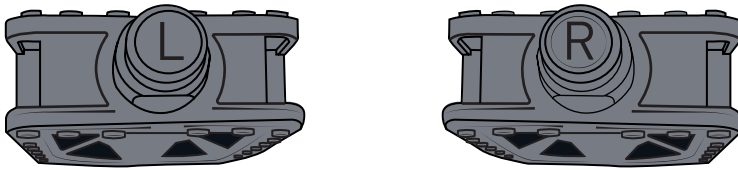


## Pedals



Insert pedals by hand taking care not to cross thread, then use a 15mm spanner or adjustable wrench.

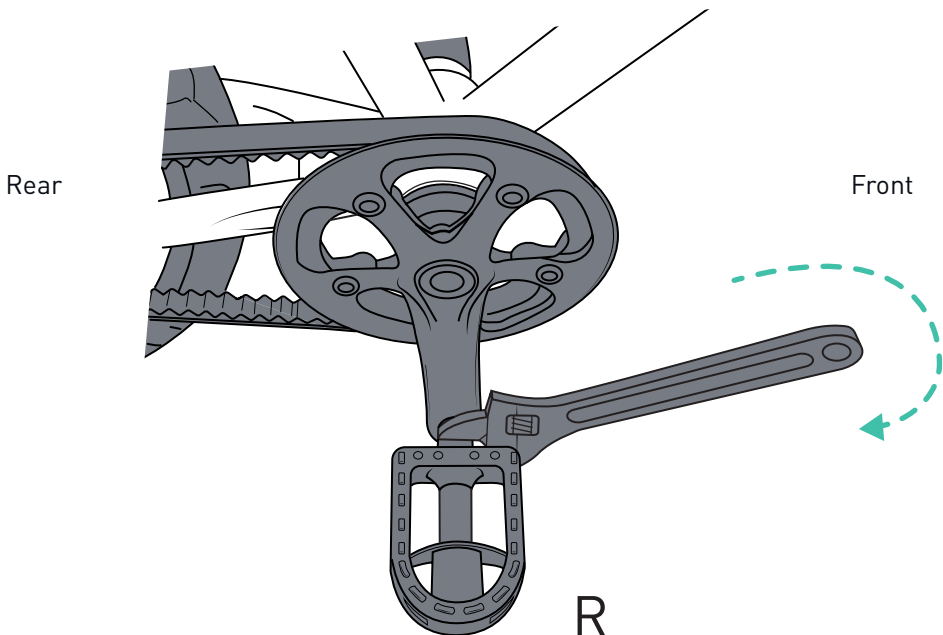
a. Identify L (left) and R (right) stamped on the end of the pedal bolt as they have different threads.



b. It's a good idea to add some grease to the threads.

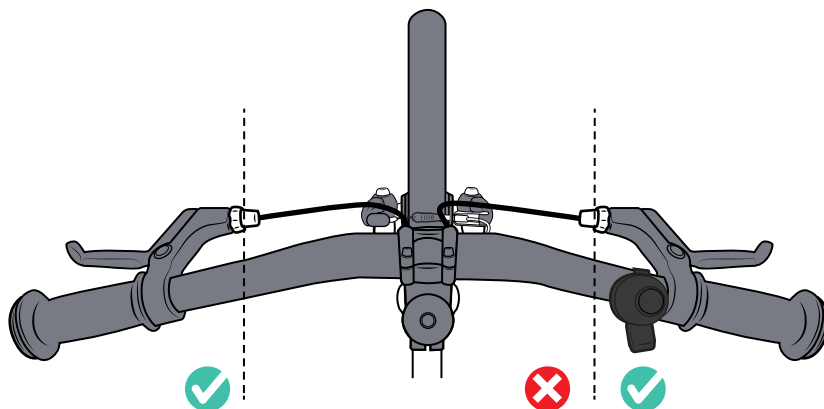
c. Fit the right pedal (drive belt side) turning clockwise.

d. Fit the left pedal (non-drive belt side) turning anti-clockwise.

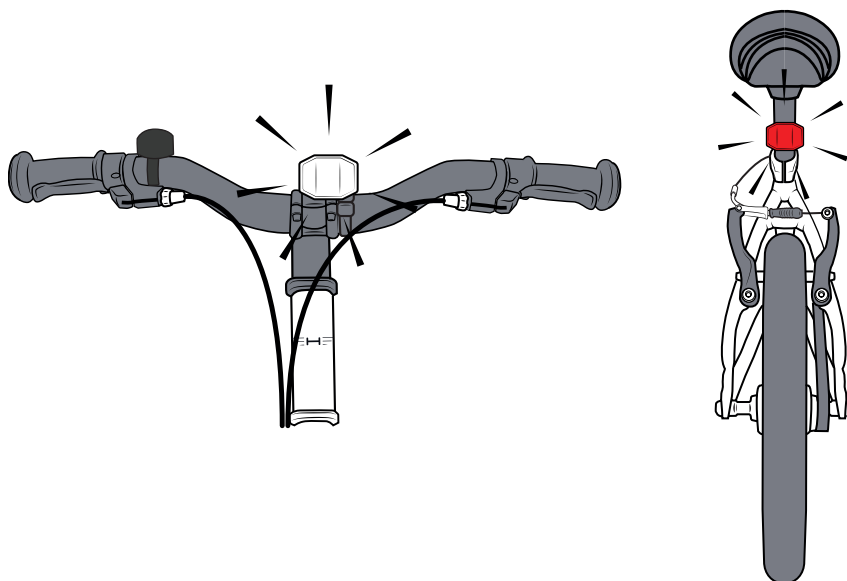




a. Attach the bell on either the left or right handlebar as close to the handgrip as possible using a Phillips screwdriver.



b. Attach the white reflector onto the handlebar next to the stem and the red reflector on the seat stem next to the seat-post clamp using a Phillips screwdriver.



## Brakes

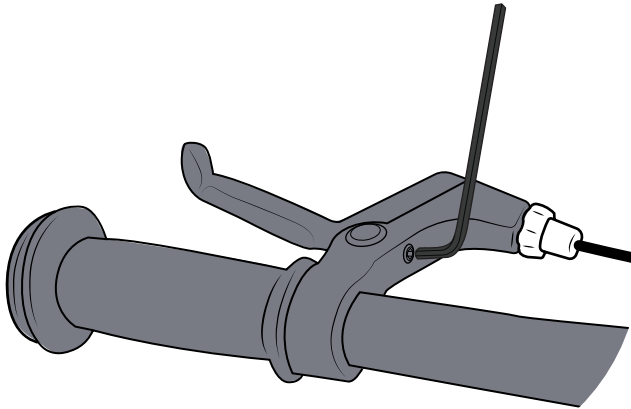


The right lever operates the front brake, the left lever operates the rear brake.

Check their operation before riding.

The brake levers can be adjusted to match the reach of your child's hands using a 2mm Allen key to wind the bolt on the lever mount as shown. Clockwise decreases the reach to the lever, anti-clockwise increases the reach.

Adjusting the lever will change the brake pad which may need to be adjusted, see 'Brakes' section on p13.



## Gears

Our HERO 20" and 24" bikes are fitted with Shimano Nexus 3 hub gears. They are operated by a hand twist grip. They are fantastic for children as they can be shifted whilst moving or stationary, are virtually maintenance free and simple to use. The yellow pin should sit between the white guidelines on the gear hub window when in second gear. Loosen the lock nut with a 10mm spanner to use the barrel adjuster.

Our HERO 14" and 16" are singlespeed and fitted with a Shimano freewheel hub.

## READY TO RIDE CHECKLIST:



- I can squeeze both brake levers
- I can put both feet on the ground
- I can turn the handlebars left and right
- I can ring the bell
- I am wearing a helmet and appropriate footwear

**Use this checklist before you head off to make sure your bike is safe and you are ready to ride!**



Please retain these instructions for future reference, or visit our website which also has helpful videos.



It is especially important to inspect your HERO in the first weeks of use. The brake cables can stretch and bolts can loosen.

### Brakes

It's an important habit to check both of the brakes before moving off at the beginning of a ride and also after a fall as the cables can be snagged or damaged.

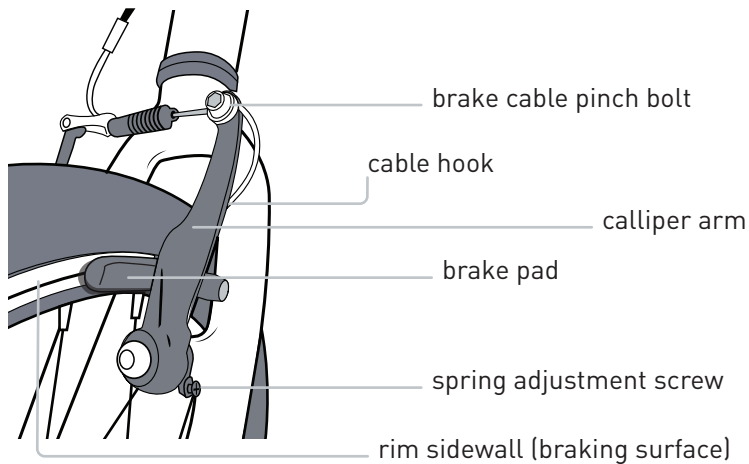
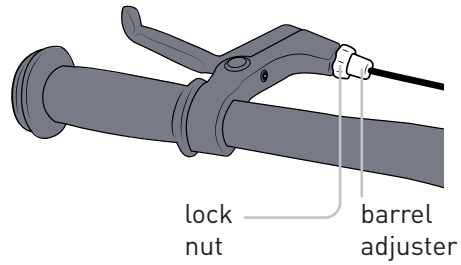
Check that the brakes work smoothly and the levers return to their open position and the callipers reopen enough not to touch the wheel rim.

You can see this by lifting the wheel off the ground and checking it spins freely.

If the lever can touch the handlebar and the bike can still be pushed forward it is definitely time to adjust them.

- Unhook cable end from the cable hook on the calliper arm.
- Unscrew the barrel adjuster 3 or 4 turns away from the lever.
- Loosen the brake cable pinch bolt.
- Squeeze the 2 calliper arms so that the pads touch the wheel braking surface.
- Adjust the pads so they sit true to the top edge of the rim sidewall, but not touching the tyre.
- Re-tighten the pinch bolt (6Nm).
- Re-tighten the barrel adjuster which will cause the brake pads to come away from the rim sidewall and allow the wheel to spin freely. Use the barrel adjuster for fine adjustments. Reset the cable using the cable pinch bolt for larger adjustments.
- Centre the calliper arms so that they both contact the wheel at the same time and return to a neutral position away from the rim. If one of the calliper arms does not return after braking you can adjust the spring tension on both sides by turning the spring adjustment screws on the callipers. Turning the spring adjustment screw clockwise will cause that calliper arm to come further away from the wheel.

Once the brake pads are worn down to their wear marks replace before using the bicycle again. Replacements are available from us at [hornit.com](http://hornit.com) or from your local bike shop.




## Disconnecting the Brakes

In order to remove the wheel to repair a puncture or for transport the brakes need to be disconnected (see Front wheel p6).

## Belt Tension



Having a  **POWERGRIP**® belt frees you from oily, rusty chains and makes for a clean, smooth, silent ride. Carbon reinforced belts last longer than chains, never need grease and are nearly maintenance-free. Say goodbye to high-maintenance bike chains.

- Release the Shimano gear hub if fitted with a 5mm Allen key making sure not to damage the shifting pin.
- Loosen the axle bolts with a 5mm Allen key or a 15mm spanner.
- Adjust the tension using a 3mm Allen key, turning each side the same number of times, start with one turn.
- Make sure they are the same on either side by checking the rear wheel sits centrally between the frame arms.
- Tighten the axle and replace the gear hub.

## Wheels

As children are more likely to fall off their bikes or drop them on the ground it's important to regularly check the wheels:

- Give the spokes a tug to make sure none are loose.
- Check the wheel runs true by holding it off the ground and spinning it.
- Make sure the wheel hubs are tight in the frame.

## Cleaning

Clean your HERO regularly. It helps to keep its condition and future value, as well as being an opportunity to check it over.

Don't use a jet wash, as it can easily damage the bearings and other parts of the bike.



## LIMITED WARRANTY



All Hornit products are warranted to be free from defects in materials and workmanship for a period of two years from the date of purchase. The HERO frame and forks are automatically warranted for three years from the date of purchase. You can upgrade to a lifetime warranty for the frame and forks by registering your details at [hornit.com/register-warranty](https://hornit.com/register-warranty). The lifetime warranty is valid for as long as the original purchaser owns the bike. All warranties apply only when the product is used as intended, under normal conditions and do not apply when damage is caused by wear and tear, accidents, corrosive substances, water, misuse or neglect. In all cases the warranty is limited to the value of the product. If you decide to repair a damaged or defective product yourself or use the services of someone who is not a qualified bicycle mechanic, Hornit will not be liable for any damage failure or loss caused by the unauthorised service or parts. This does not affect your statutory rights.

## LIABILITY

THE MANUFACTURER AND ITS AGENTS ACCEPT NO RESPONSIBILITY OR LIABILITY FOR DEATH OR PERSONAL INJURY EXCEPT WHERE PROVED TO BE AS A RESULT OF THE NEGLIGENCE OF THE MANUFACTURER OR ITS AGENTS. THE MANUFACTURER AND ITS AGENTS ACCEPT NO RESPONSIBILITY OR LIABILITY FOR DAMAGE TO PROPERTY OR OTHER LOSS SUSTAINED AS A RESULT OF POSSESSION OF OR USE OF THE PRODUCT, WHATEVER THE REASON OF CAUSE, TO THE FULLEST EXTENT PERMITTED BY LAW.

## SERVICE LOG



Look after your HERO and maintain its value with an annual service:

| Date | Pre-delivery Inspection | Stamp |
|------|-------------------------|-------|
|      |                         |       |

| Date | Annual Service | Stamp |
|------|----------------|-------|
|      |                |       |
|      |                |       |
|      |                |       |
|      |                |       |

HERO tyre pressure: 40-65psi (2.8-4.6bar)



This product and its packaging  
are protected by the intellectual  
property laws of many countries.  
Violators will be prosecuted.

MADE IN TAIWAN

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