



Semi-Knocked Down (SKD) Assembly Instructions

BUFFALO UTILITY S2 [Code: CB-34-2CHANZ-C]



Required tools

Diagonal cutters and utility knife for unpacking



8mm open-end spanner



10mm open-end spanner



13mm open-end spanner



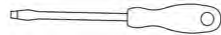
15mm open-end spanner



Spoke key for 13G spokes



Medium Phillips screwdriver



Bicycle pump for schrader-type valve



Freewheel removable tool



Helpful tools

10mm socket



13mm socket



½" ratchet handle



2.5" x ½" ratchet extension



Consumables

General purpose grease



Rags/Clothes



Components pre-assembled/installed

- Bell
- Bottom bracket
- Brake lever with cable & housing
- Carrier
- Chainguard
- Crank
- Frame
- Freewheel
- Fork
- Grips (installed on handlebar)
- Mudguard reflector (installed on rear mudguard)
- Rear mudguard
- Rear wheel with tubes & tyres installed
- Saddle
- Seat post
- 2 x Single speed chain
- Wheel reflectors (installed on spokes)

Components which need installing

- [Stem \(with handlebar pre-installed\)](#)
- [Center stand](#)
- Front wheel (with tubes & tyres installed)
- Front mudguard (mudguard stay pre-installed)
- Front Caliper
- Pedals

Components which need adjustments

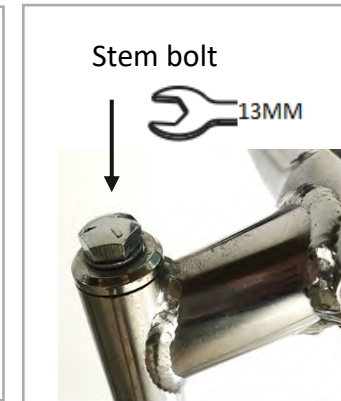
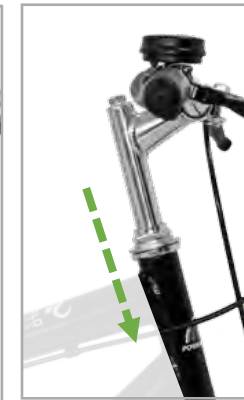
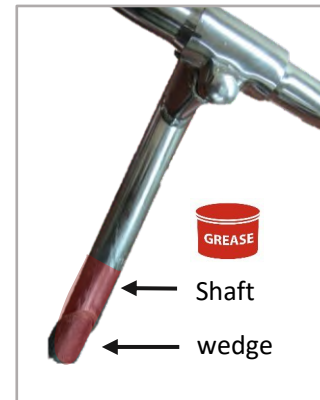
- Handlebar position
-
- Inflate the tyres
- Adjust saddle post height
- Check the chain tension
- Check nuts and bolts
- Check wheels are true
- Apply any stickers

1. Remove the bicycle and all parts from the carton and place the bicycle on the floor so that it is standing upright.
2. If there is no bicycle stand available, unfold one of the packing cartons and place it on the floor to create a soft surface to conduct the bicycle assembly.
3. Remove all packaging that will inhibit the assembly of the bicycle.
4. Turn the fork 180° so that the fork faces forward.



INSTALLING THE STEM & HANDLEBAR

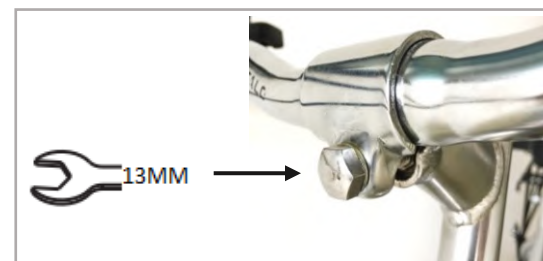
5. Apply a light coating of grease to the stem shaft and wedge.
6. Install the stem and handlebar into the steerer tube of the fork and tighten the stem bolt gently to hold it in place.



7. Loosen the handlebar clamp bolt and rotate the handlebars into a comfortable position. The handlebars should place the rider's hands in a horizontal position when riding the bicycle.



8. Tighten the handlebar clamp bolt firmly but do not over-tighten. If you are using a torque wrench, the correct torque is 16-20Nm.

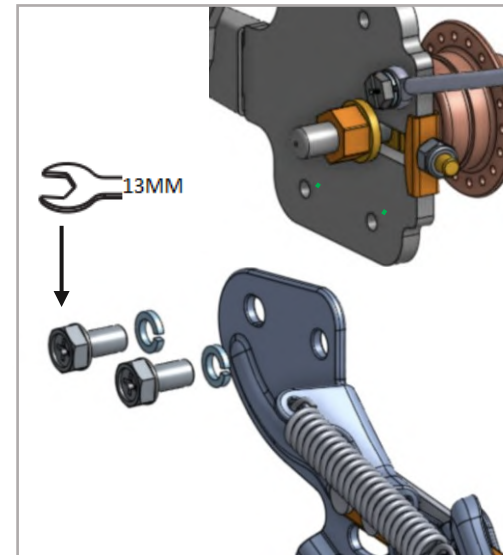


INSTALLING THE CENTER STAND

9. Turn the bicycle upside down so it is resting on the handlebars and saddle.

10. Install the stand using the four bolts. The spring washers should be placed under the heads of the bolts.

Tighten the bolts firmly but do not over-tighten.
If you are using a torque wrench, the correct torque is 20-25Nm

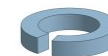


Stand bolts

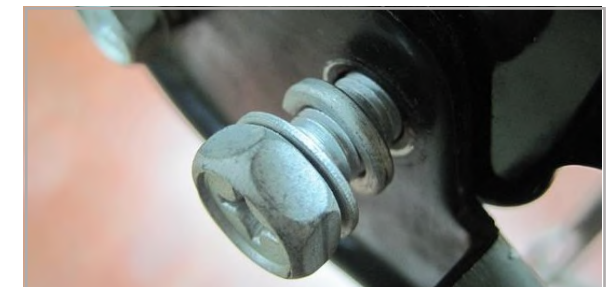


QTY = 4
L = 16mm
D = M8

Spring washers

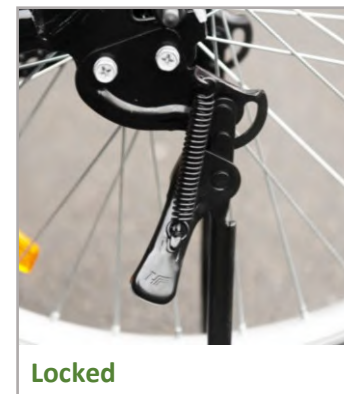


QTY = 4

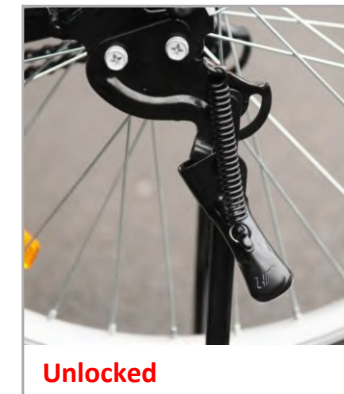


Correct position of lock washer on the bolt

11. Return the bike to its upright position and lock the stand in the down position. The bike should now be stable while standing on the floor.



Locked

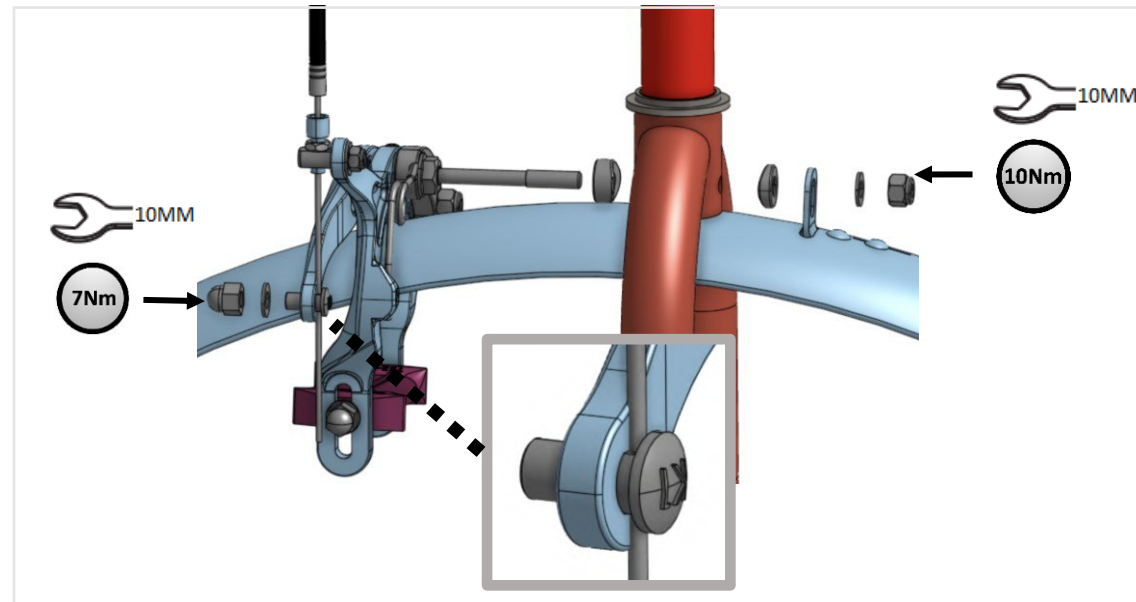


Unlocked

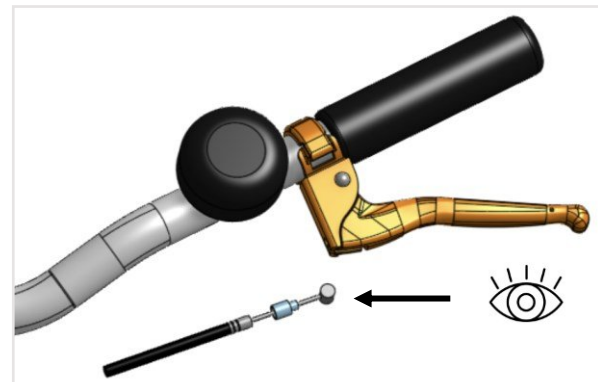
INSTALLING FRONT CALIPER BRAKE and MUDGUARD

12. Install the front caliper brake onto the front of the fork and place the front mudguard adapter onto the back of the fork. The bolts and washers should be assembled in the order as shown on the image

If you are using a torque wrench, the correct torque for the mudguard is 10Nm and the caliper brake should be 7Nm



13. Make sure the brake cable is attached to the brake lever.

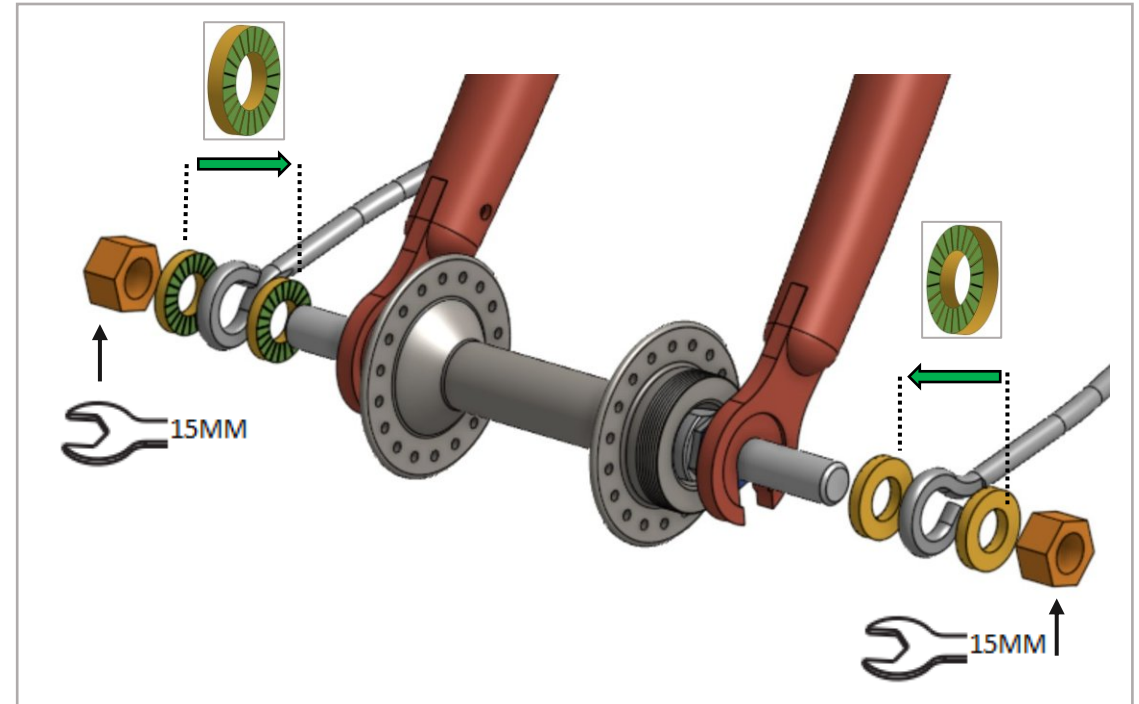


INSTALLING THE FRONT WHEEL & MUDGUARD STAYS

14. Insert the front wheel into the fork dropouts.
Assemble the axle in the manner shown in the image. Ensure that the axle is fully engaged in the fork (the wheel should be centered in the fork). Tighten the axle nuts firmly.

If you are using a torque wrench, the correct torque is 25-35Nm.

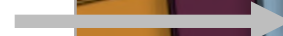
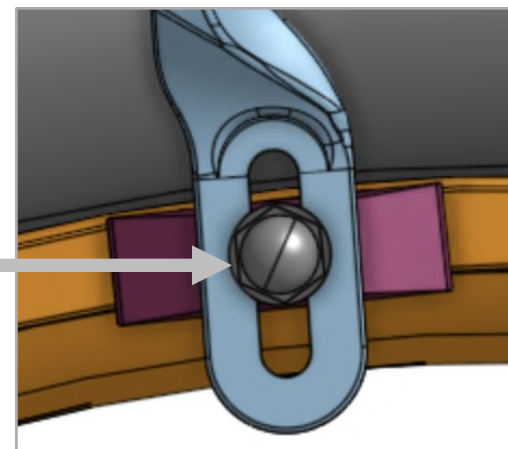
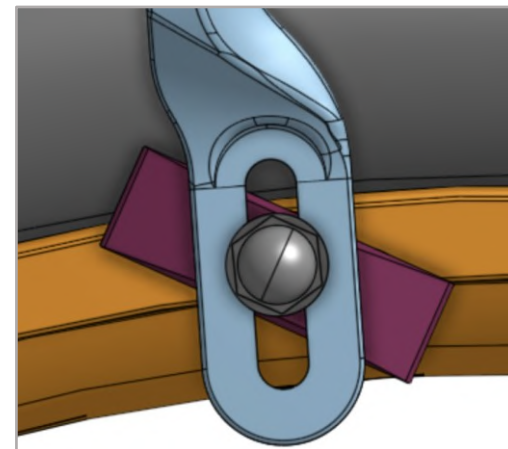
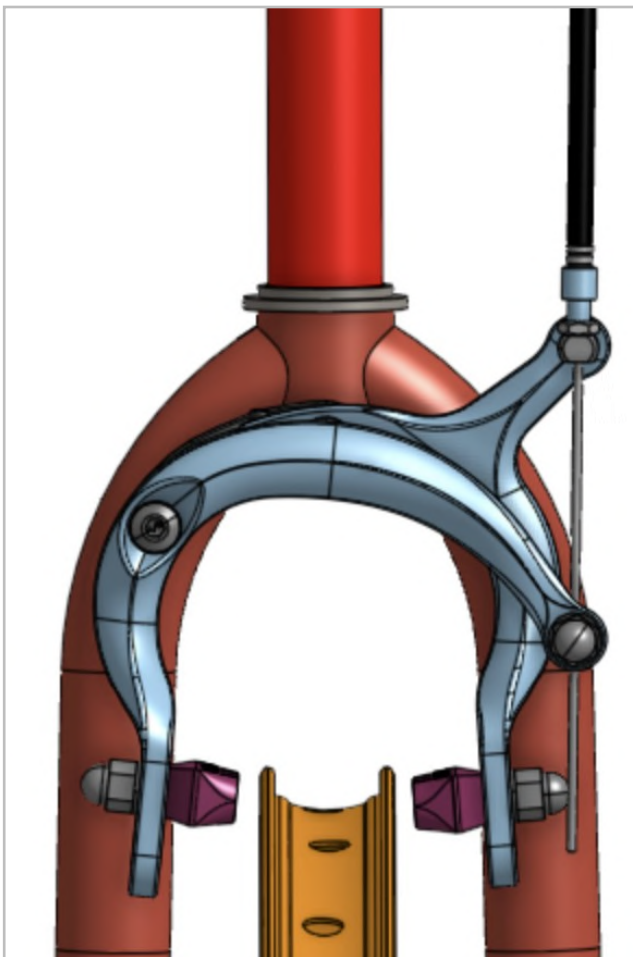
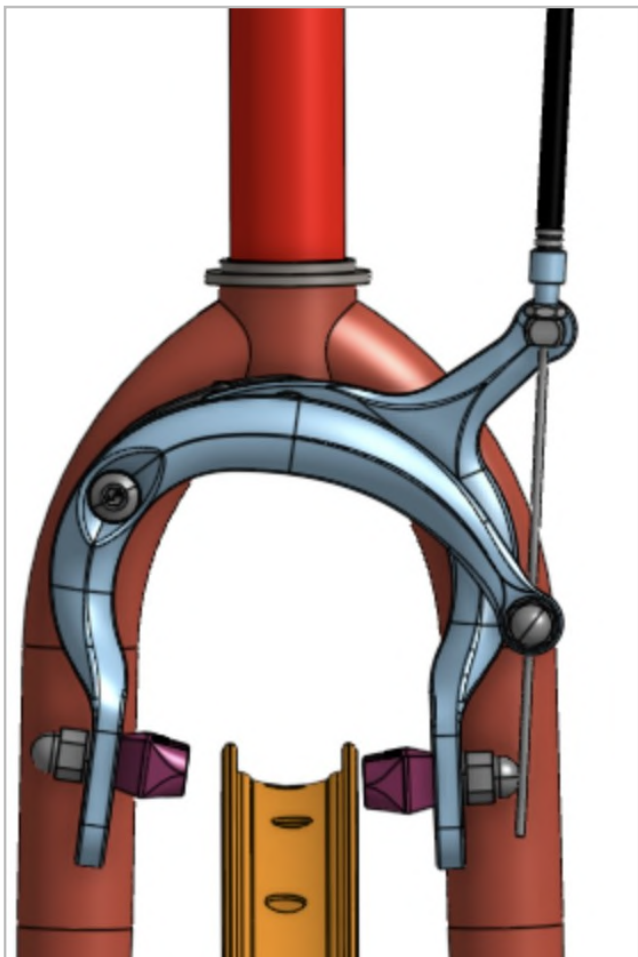
15. Inflate the tires so that they are firm and deform only slightly under the weight of the rider.



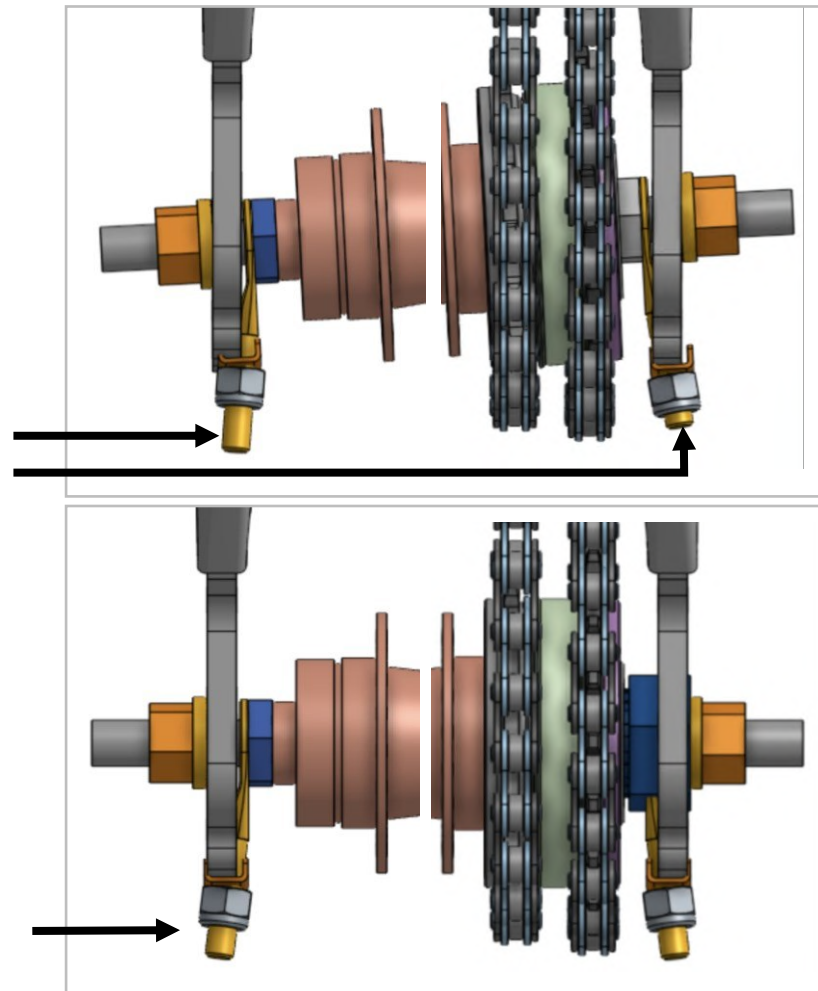
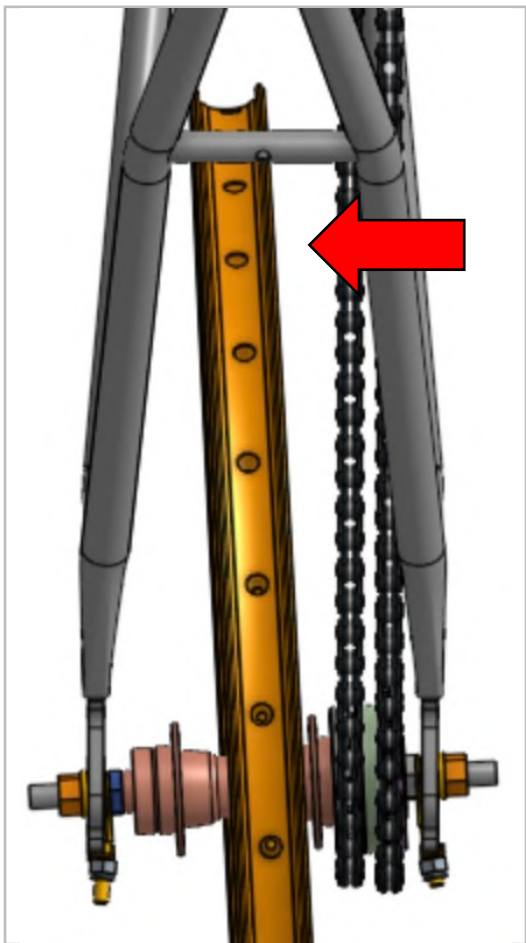
Directional tread patterns →



BRAKE POSITION



CHAIN TENSION – CENTER WHEEL

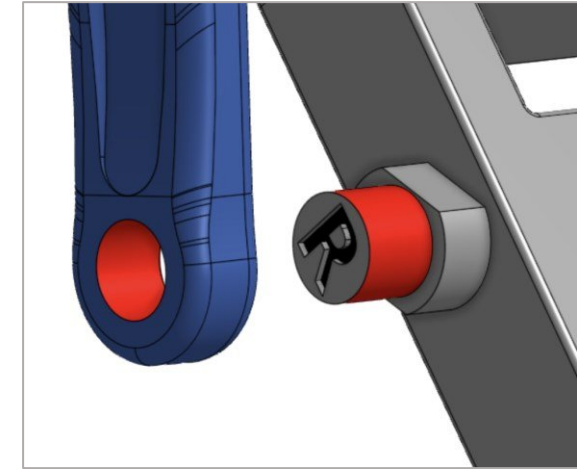
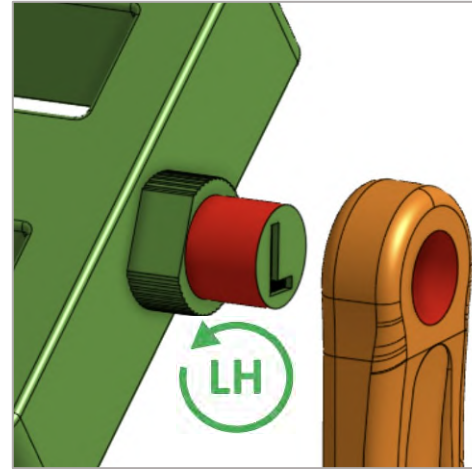


INSTALLING THE PEDALS

16. Lightly grease the threads of the pedals (like the red in the image). Install the pedals into the cranks.

17. The pedals are marked L (left) and R (right). The left-hand pedal has a reverse thread and should be turned counter-clockwise to be tightened.

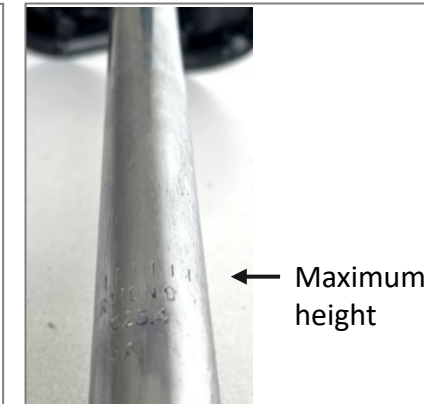
If you are using a torque wrench, the correct torque is 14Nm.



SEAT POST ADJUSTMENT

18. Adjust the height of the seat post by loosening the bolt at the clamp. Adjust to the desired height and then re-tighten the bolt. The seat post should not go higher than the markings.

If you are using a torque wrench, the correct torque is 18-23Nm.





CHECKLIST

19. Check for any loose nuts and bolts and adjust them. Do not over-tighten nuts and bolts.

20. Check that the wheels are true. Adjust the spokes nipples if they are not. Note: Since describing wheel truing with words is very difficult, it is best to find a person who has experience with the task.

21. Wipe the frame with a clean rag and apply any stickers.