

## FASTENNING OF BOLTS CLEARANCE

All the screws should be inspected regularly to make sure that there aren't any protrusions. Some of the parts loosen and as a result get insufficiently bonded over time. It is important to check every element and fasten as required to avoid damage. The parts shouldn't be tightened too hard as it might cause damage to the threads.

## INFLATING THE WHEELS

- ✓ Set the wheel in a convenient position to get easy access to the tube valve and take off the plastic cap.
- ✓ Match the correct pump hole to the correct type for your bike's valve.
- ✓ Test the pressure range (BAR/PSI) is suitable for your bike. You will find this information on the side of the bike tyre. Usually it is 3 BAR.
- ✓ Open the lever on the bicycle air pump adapter then place it on the valve and close down.
- ✓ Inflate the wheel. Make sure you are controlling the readings of the pressure gauge while doing this.
- ✓ Take off the pump's adapter and hook it back.
- ✓ Fasten the plastic cap. The metal nut is to be screwed on the pressure valve.

## THE INNER TUBE REPLACEMENT

- ✓ Place the bike on the handles and change the derailleur to the smallest sprocket to make the job easier.
- ✓ Release the brake. Grip it with your hands at first then free the cord. (Doesn't apply in case of disc brakes).
- ✓ Open the wheel clamp or loosen the nut on the axle and take off the wheel.
- ✓ Lean the tyre lever against the rim then pry the tyre and drag one lever around the rim.
- ✓ Take off the inner tube and make sure that there aren't any objects (inside and outside of the tyre) which could cause the damage to the inner tube.
- ✓ You can try to fix the inner tube by using the tyre patches but the safest way will be replacing the inner tube.
- ✓ Inflate the inner tube gradually but not fully and place it inside of the tyre starting with putting the valve into the rim.
- ✓ Put the tyre bead back on the rim using the tyre lever and fully inflate the inner tube and the tyre.
- ✓ Fit the wheel and attach the brake.

## V-BRAKE ADJUSTMENT

- ✓ Slowly unfasten the screw keeping the cord on the brake arm.
- ✓ Loosen the brake block's cap while pressing down the brake arm against the disc.
- ✓ Check the position of the brake blocks and if these are set in the correct distance from the brake arms press down both brake blocks against the disc and measure the distance between the end of a cord hook and the other brake arm. It should be no less than 39mm. The correct distance prevents the friction between the brake arms when braking.
- ✓ Now press both brake blocks to the disc while checking the positioning of the brake block. It must be straight and doesn't cause any friction.
- ✓ Put the cord back into the mounting screw. Set the cord. The brake blocks must be 1 to 1.5mm away from the disc. Fasten the cord intended for this purpose screw. Fasten the barrel screws on to the brake handles.

## FRONT DERAILLEUR ADJUSTMENT

- ✓ Firstly place the bicycle chain on the back of the largest sprocket and on the front of the smallest sprocket. The derailleur guide should be parallel to the bicycle chain. If it isn't - loosen the clamping screw.
- ✓ Find two adjustment screws on the derailleur marked as L (low) and H (high). Fasten the L screw. You should stop fastening when the distance from the inner derailleur guide equals 1mm.
- ✓ Secondly place the bicycle chain on the smallest sprockets on both front and rear ends.
- ✓ Turn the H screw to the position of 1mm distance to the bicycle chain.
- ✓ Finally, set the cord tension using the regulator in the handle. Make sure that the gears are shifting smoothly.

## REAR DERAILLEUR ADJUSTMENT

- ✓ Change the gear ratio to the largest sprocket at the front and the smallest sprocket at the rear and loosen the clamping screw.
- ✓ Turn the adjustment screw marked H (high) in the way where the derailleur wheels are level with the smallest sprocket in the cassette.
- ✓ Firstly, set the derailleur in the closest position to the wheel, secondly check the position of the derailleur wheels - these should be level with the largest sprocket in the cassette. If they're not then adjust their position using the L (low) screw.
- ✓ Slacken the cord and fasten the clamping cap.

- ✓ Finally, check whether the gears are shifting smoothly. The bike chain shouldn't experience any difficulties while moving to the higher sprocket. If it does, then you have to tighten the cord by using adjusters on both ends of the outer casing - on the derailleur side and on the shifter.