



## ASSEMBLY REQUIREMENTS

after removal of all packing material except the front brake caliper wedge.

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This bicycle is designed for travel. The tools needed to pack and reassemble are included.

The initial assembly is almost the same as reassembly after airline travel. We recommend that bike owner learn the skills that allow them to reassemble the bike themselves, for example at an airport. The skills include judging torque (tightness) levels by hand the way bike mechanics do.

| SUB ASSEMBLY                            | TOOLS REQUIRED                                          | GUIDE FOR MECHANICS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | TORQUE                                                      | OWNER SHOULD KNOW                                                                                                                |
|-----------------------------------------|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Black front brake rotor cover           | N/A                                                     | Remove it during unpacking and attach it to the owner's package.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | N/A                                                         | Reuse this if packing to fly                                                                                                     |
| Handlebars (hb), stem, controls         | 4mm Hex key<br>5mm Hex (Allen) key                      | With the bike held vertically and the fork dropouts firmly on the floor. remove the steerer topcap and the 40mm spacer below it. lift the hb assembly to the approximate position it will be in and check you have the cables around the right way. fit the stem to the steerer and refit the top cap above it. follow stem-to-fork tightening system as taught in the vivente document enclosed plus on the website at bike_service. if a trekking or riser bar model of bike, adjust the angle of the brake and shift levers to suit the rider.                                                                                                                                                                                                    | Topcap - 5-8nm.<br>stem=steerer 5nm<br>flatbars - 5nm       | How to remove and refit (correct torque on topcap screw) the stem and bars subassembly.                                          |
| Front mudguard & front light            | 4mm Hex key<br>5mm Hex (Allen) key<br>10mm Ring Spanner | Fit the front reflector under the headlight and, with the mudguard tab at the back of the fork crown, fit the light and the guard with the 50x6mm bolt, hex head at the back and tighten loosely at first. attach the mudguard stays to the lower of the twin fork blade mounts, using both a small and large washer. centre the guard and, tighten from the hex key end. during tightening, recheck for centring and possibly raise or lower the guard. mount the headlight cable to the inside of the fork blade, leaving the hub connector end with about 3cm of spare cable. connect the rear light wires at the top of the frame downtube to the wires at the rear of the headlight. adjust and tighten the double-pivot light bracket to suit. | Stays - 8nm.<br>wire<br>mounts-5nm.<br>centre bolt<br>10nm. | Light grease on mounting screws. removal of front light or reflector not necessary when packing to fly. they can just hang down. |
| Tail light                              | 8mm Open Ended Spanner                                  | Connect wires at the rear of the carrier and then fit the light to the carrier.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 5Nm                                                         | Removal not necessary when packing to fly unless you have no carton.                                                             |
| Front wheel & quick release (qr) skewer | N/A                                                     | Remove the wedge in the brake caliper. don't depress the front brake lever until the wheel is fitted in place. the qr lever may be on either side of the bike but should not point forward when closed. the hub light connection should be at 1-2pm when viewed from the right side of the bike.                                                                                                                                                                                                                                                                                                                                                                                                                                                     | N/A                                                         | Not to depress the front brake lever unless the rotor is in place. correct use of a quick release mechanism.                     |
| Kick stand                              | 5mm Hex (Allen) key<br>T25 key                          | Lightly grease the threads. fit and tighten to the position at the rear left side. use the spring washers. vary the height of the wire leg to suit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 30Nm                                                        | Grease the threads. needs to be very tight.                                                                                      |
| Seat and seatpost                       | 5mm Hex (Allen) key                                     | Note and abide by the minimum insertion line on the seatpost. line the seat up along the frame top tube. use a marking pen during the period of getting the best seat height.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 5Nm                                                         | Light grease on the seatpost area inside the frame. but if the post slips down remove the grease.                                |
| Pedals                                  | 15mm Open Ended Spanner                                 | Lightly grease the threads. the left side pedal has a left-hand thread.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 35Nm                                                        | Left pedal has left hand thread.                                                                                                 |
| Steering stabilizer                     | No Tools                                                | Slide the threaded end into the block on the underside of the downtube then slide it back up to hook into the plate on the back of the front fork. attach the knurled nut to the threaded end and tension to suit. the wheel should still move easily as you steer side to side.                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | LIGHT                                                       | Adjust to suit. remove for travel packing.                                                                                       |
| Mirror                                  | 3mm Hex (Allen) key                                     | Swabia & deccan in the bottom of the handlebar with screw at the bottom. patagonia on the drop, forward of the hand. trekking bar at the last bend. riser bars in the end of the grip.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | LIGHT                                                       | Adjust to suit. remove for packing.                                                                                              |
| Cage & bottle.                          | 4mm Hex (Allen) key                                     | There are three possible mounting points (two on xs bikes). there is an extra bottle and cage in the owners box. normally use the top-of-downtube for the first mounting location.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 5Nm                                                         | Need to be removed for airline packing.                                                                                          |
| Inflate tyres                           | Schrader Valve Air Pump                                 | Follow the maximum pressure levels indicated on the rim. for width 32-35 = max 5.5 bar (80psi).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                             | How to recognise the correct air-pressure level.                                                                                 |

### TORQUE CONVERSION

|      |           |
|------|-----------|
| 5Nm  | 45 In-lb  |
| 8Nm  | 70 In-lb  |
| 10Nm | 90 In-lb  |
| 35Nm | 310 In-lb |
| 45Nm | 400 In-lb |

### AFTER ASSEMBLY, FOR ALL BICYCLES

Check gear and brake adjustments and adjust them if necessary.  
Recommend that the bike be returned in the earliest of 1 mth or 500km for 1st service.  
Check that the crank bolts are tight to 45nm.

### MAX TYRE PRESSURES DEPEND ON TYRE WIDTH

|            |                 |
|------------|-----------------|
| 28 WIDE    | 6 BAR (87 PSI)  |
| 32-35 WIDE | 5.5 BAR (80PSI) |
| 45 WIDE    | 4 BAR (58 PSI)  |

### LEFT AND RIGHT SIDE OF ROAD RIDING

This bike is set up for left side riding. If being ridden on the right side the brake housing should be swapped from one lever to the other.