



CARBON DRIVE™

Belt Alignment & Tensioning Instructions

Note: These instructions are for a frame with horizontal dropouts. Frame setup may vary. Please consult frame manufacturer for proper alignment directions.

To achieve correct belt alignment, proper spacing of rear sprocket is required. Spacers are used to position rear sprocket so that front and rear sprockets line up along the same parallel plane. (Contact Manufacturer for additional spacing instructions.)

Procedure

1. Place wheel into dropouts. Minimize center distance between axle and bottom bracket by backing out tensioner bolt(s) completely, and sliding wheel as far forward as possible.
2. Slip belt onto rear sprocket.
3. Slip belt onto front sprocket.



NOTE: Do not pry belt onto sprocket or “roll” belt on by rotating cranks. Doing so could damage the belt and lead to failure.



4. If needed, loosen disc brake caliper housing.
5. Tighten tensioner bolt(s) on *drive* side until belt approaches proper tension.

NOTE: Proper belt tension is critical to maintain optimum drive operation; the following are two methods used to check belt tension:

- a. Checking tension with the tension gauge: Place gauge longitudinally on the center of the belt span. Depress pressure pad slowly until you hear a "click" sound. Remove gauge. Indicator arm should register in the green section of the gauge.
- b. Checking tension by hand: Applying 5 lbs to 10 lbs of pressure on the center of the belt span, the belt should deflect about ½-inch. (For detailed tensioning instructions, please review the Tension_Requirements.PDF document)

6. Adjust tensioner bolt(s) on *non-drive* side until wheel is roughly centered between stays.
7. Back pedal and front pedal 10-15 times and check alignment of belt on rear sprocket. Edge of belt should slightly touch or come just short of touching inside flange of sprocket (within 1mm) as seen in Figure A. Adjust tensioner bolt(s) as needed. Figure B shows incorrect belt alignment.

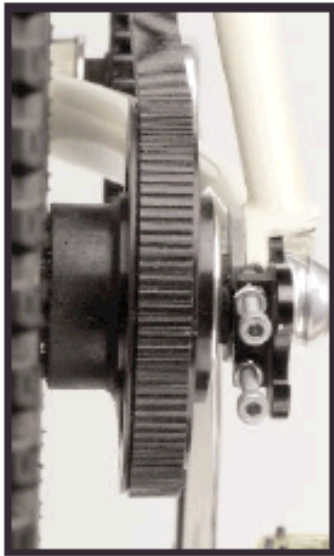


Figure: A



Figure: B

NOTE: Tightening *drive* side (or loosening *non-drive* side) tensioner bolt(s) steers belt toward the flange on the rear sprocket. Choose one or the other depending on tension of belt.

8. Back pedal and front pedal 10-15 times and re-check belt alignment. Adjust as needed while maintaining proper belt tension.
9. Tighten hub bolts (or quick release) fully and re-check alignment.
10. Make final adjustments if needed. Remember to retighten disc brake caliper housing if it was loosened during belt installation.

NOTE: Wheel might not be perfectly centered in stays after proper alignment is achieved. Some variance is possible due to frame alignment, wheel dish and tire shape.

Please Review Related Documents:

- Belt_Handling_Instructions.PDF
- Tension_Requirements.PDF
- Tension_Tester_Instructions.PDF