

### **Engineering Specification #19 – Service Intervals**

The purpose of this test is to determine the frequency of service intervals for all parts on the bike. The ideal value is a never having to do maintenance service on the bike, and the marginal value is a service interval of once per year.

**Start Date:** 5/14/08

**Finish Date:** 5/14/08

**Engineers set-up experiment:** Jonathan Bawas, Carl Mangelsdorf, James Nardo, Jeffrey Tempest, Jen Zelasko

#### **Equipment Needed:**

1. None

#### **Experiment Set-up:**

- 1.) **Record service interval frequency for part:**
  - a. **Bearings :** apply grease once/year
  - b. **Pulleys:** apply grease once/year
  - c. **Cable:** visual inspection daily

#### **Conclusions:**

Actual maintenance service must be performed on the bearings and pulleys once per year. Only inspection is required daily for the cable. The marginal value for this specification has been met.