

### **Engineering Specification #11 – Cross Member Height**

The purpose of this test is to determine the height of the cross member that the patient must lift one leg over and straddle when mounting the bike. The ideal value is a less than 12 inches, and the marginal value is a range from 0 to 24 inches.

**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. Measuring Tape

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

- 1.) **Measure the vertical distance from the floor to the top of the cross member (axle).**

Vertical distance: 5 inches

#### **Conclusions:**

The top of the cross member is 5 inches above the ground achieving the ideal value.