

Engineering Specification #4 – Upright Locked Position

The purpose of this test is to determine if the bike can be locked in an upright position. The locked position must pass a force test to prove the bike can be locked upright.

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. Student of average strength.**

Experiment Set-up:

- 1.)** Place bike in upright locked position. Have student sit on the bike and lean with as much force as possible to the left and then to the right. Ensure that bike does not disengage from locked position.

Conclusions:

Bike did not disengage from upright locked position under the maximum applied force applied by the student rider. The locked position passed the test, and has met the ideal value for this spec.