

Purpose: The purpose of this test is to ensure that the limit switches can be activated and when activated correctly align to the flute of choice

Set up:

1. Set up the motor and tube interface how it would be in the chamber
2. Attach the chosen switch activator to the bottom of the motor
3. Fix the motor, rack & pinion set up to the collection box carrier
4. Position the electronics board as it would be in the chamber
5. Run the test and record observations

Questions to be answered:

1. How well does the tube line up with flute?
2. Are the switches activated properly?
3. Are there any problems that can be seen obviously?
4. We need pictures and/or video showing the alignment.
5. ~~Plan for the next day if this test does not succeed.~~ **SUCCESS!**

Results:

1. The height of the nub needs to be perfected in order to work with the code that Electrical has already written
2. The tube lines up with the flute!
3. The switches are activated properly when the nub is at the correct height
4. We are moving the blank next to the wall of the collection box due to code