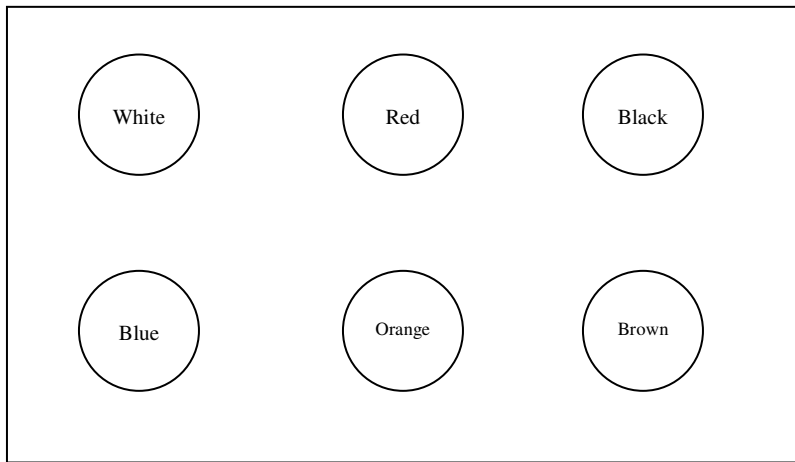


Elevation Motor Testing (with Voltmeter)

Tools needed

1. Phillips head screw driver
2. Voltmeter (set to test Ohms (Ω))



* White, red and black wires are for the power and the blue, orange, and brown are for the potentiometer

1. Remove motor cover
2. Have machine unplugged and turned off.
3. Unplug the elevation motor connections to the motor control board.
4. Take voltmeter and turn it to read in Ohm(s) Ω .
5. Place the leads into the blue and brown potentiometer wires and you should get a reading of 10 Ω . (+/- 0.5 ohms)



6. Next, place the voltmeter leads into the blue and orange wires; you should get a variable number between 1 and 10 Ω . Write that number down.

Elevation Motor Testing (with Voltmeter)



7. Lastly, place the leads into the brown and orange wires; you should get a variable number between 1 and 10 Ω . Write that number down.



8. The sum of Step 6 (blue and orange) and Step 7 (brown and orange) should equal Step 5 (blue and brown), or about 10 Ω .

If the numbers add up to the 10 Ω the potentiometer on the elevation motor is working. If the numbers do not add up to 10 Ω , the elevation motor is bad.