

>> Elliptical | Bike Resistance Motor Voltage Checks

Wire Color		Function	Voltage Ohm Readings	Voltage w/ Increase	Voltage w/ Decrease	Physical Symptoms-If Wire Cut
1	Red	Power to DC Motor I.C. Board.	+5vdc	5V	5V	Normal: After pressing start and resistance+ motor continues to rotate upward during pressingn resistance- motor stops, but does not zero itself. Eng1:Motor operates but no change in motor count
2	Black	Ground -From Motor	n/a ground	n/a	n/a	Normal: After pressing start and resistance+ motor continues to rotate upward during pressing resistance- motor stops and does not zero. Eng1:Motor operates but no change in motor count.
3	Brown	Optic Count -from motor	5vdc	180mV	180mV	Normal: After pressing start and resistance+ motor continues to rotate upward during pressing resistance- motor zeros itself. Eng1: Motor operates but no change in motor count.
4	Orange	Zero Switch Sensor	5V	180mV	180mV	Normal: After pressing start and resistance + motor constantly rotates. If pressing resistance - motor zeros itself. Eng1: No motor movement . Value is displayed and does not change when pressing resistance +/-.
5	Green	Power to Resistance up	12mV	8.5-9.7v	110mV	Normal: After pressing start and resistance+ value is displayed and there is no motor movement.Eng1: No motor movement and motor count does not change.
6	White	Power to Resistance down	12mV	120mV	8.5-9.7v	Normal: After pressing start and resistance up value is displayed and there is no motor movement.Eng1: No motor movement and motor count does not change.

Note: Wire colors are subject to change.