



Our new and improved troubleshooting section was carefully constructed to put the power to repair your machine in your hands. As you can tell, we have put a great deal of time and effort into the process. All of this can save you the cost of a service call which is approaching \$150 in many markets and in many cases, we can save you the cost of parts since many parts are sold from factories unnecessarily (many parts cost over \$100 alone). With all of this said, if our troubleshooting tips help you out, please donate to keep this info on the web and so we can continue to add to it for your future use. As we get the funds, we will start to post video helps too. If this info helps you, please click on the donate button and donate to help us expand and maintain our troubleshooting help. Donations are NOT tax deductible.

## **DC Amp Draw Test on a Treadmill**

Measure on the hot DC lead (usually red) going from the controller to the drive motor. If you have a simple multi-meter with a DC amp test setting the best way to test is to put the meter inline on the red motor lead with alligator clips. If you have a more expensive clamp meter, clamp the meter around the red motor wire. Run the machine at 2.5 MPH without a person on the belt. If the motor and drive system are healthy, you should have a reading in the 2-3 amp range. Then walk on the treadmill at the same speed. With a person of average size (around 200 lbs.) you should have a reading in the 6-8 amp range if the belt is good. The readings will fluctuate more with a load but you are looking for an average reading but you shouldn't see spikes above 10 amps. If the amp readings are high without a load, you could have a problem with high resistance in the motor, a bad bearing, or over-tightened belts. Regular readings without a load but high readings with a load indicate a worn belt and/or deck.

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