



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.

TESTING SPEED ACCURACY OF YOUR TREADMILL (for the scientific mind)

The most accurate way to test the belt speed is to use a digital rotary meter. This will translate the number of times the disc rotates and tell you within thousandths of a MPH. Since these cost about \$450 US here's another easy way to do it...count the times the belt travels around in 1 minute.

On a Weslo Cadence 850 treadmill, a 104" belt is standard equipment. Due to this, the belt should travel appx. 25.5 times around in one minute. For every belt lap that the count is higher or lower, the speed is off approximately 0.1 MPH. Find a bright colored piece of tape and mark the belt, get the treadmill up to the speed of 2.5 MPH and start counting, using your timer to determine the minute.

Here's the math...Multiply the feet in a mile by the desired testing speed, then multiply the number of inches in a foot. Divide this number by the number of minutes in an hour, then divide this number by the length of the belt.

Definition of numbers in equation below: In the equation 5280 is the number of feet in a mile. 2.5 is the testing speed. 12 is the number of inches in a foot. 60 is the number of minutes in an hour. 104 is the length of this equation's test belt in inches.

Equation $5280 \times 2.5 = 13,200 \times 12 = 158,400 / 60 = 2,640 / 104 = 25.38$

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