



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.

ICON PB12i TROUBLESHOOTING

On Icon treadmills equipped with a two board arrangement, you should have a power supply board (power board) that feeds power to the console, the incline motor, and to the motor controller (drive board). The board should send the same voltage as you are getting in your wall outlet to the motor controller (usually around 120vac) once the console is operating in either a manual mode or program mode.

If the power supply is sending voltage to the console, the 9vac light should be lit on the power supply. Also a light should be lit showing that 120vac is being received into the power supply. If the console is receiving a speed signal from the console, you should have the PWM light on the power supply flickering quite rapidly. If the PWM light is not lit, you have a speed signal problem which could be either in the console or the wiring harness. If the speed is not working or if you have an error code, the PWM will not light.

If the speed signal is the problem, we first test the wiring harness by testing for continuity on each wire at each end of the harness. If the harness tests ok, the problem is in the console. If the PWM light is flickering and you are not getting power to the motor controller, you should test the AC voltage going into the motor controller.

There is usually a white and blue AC lead coming from the power supply into the motor controller (PWM). You should be getting about 120vac across these two wires. If you are not, the power supply is not properly supplying voltage and the power supply would need to be replaced. If you are getting voltage to the motor controller do the following test.

If you are getting resistance across the red and white wires (a speed signal) and you are getting about 120vac into the motor controller, the problem is in the motor controller since you have already let us know it is not providing DC output. Let us know if you have any questions or need clarification and which part you need a price quote on.

Copyright © 2008 by TreadmillDoctor.com, Inc.

All illustrations, photographs, and scanned images, and text are the property of TreadmillDoctor.com, Inc. and may not be reused, retransmitted, copied, given, sold, or bartered to any third party. The recipient of this property is authorized to use it only in the manner expressly indicated by a staff member of TreadmillDoctor.com, Inc. All rights reserved.