

Treadmill Troubleshooting

>> Erratic Speed

Symptom	Possible Cause	Test Procedure	Repair
Erratic speeds - Upon pressing start, belt speed increases rapidly for a few second and then comes to a complete stop.	Failed optic sensor.	-Test voltage from Optic Sensor.	Replace optic sensor.
Erratic speeds - Upon pressing start, belt speed increases rapidly and does not stop.	Failed motor control board (MCB).		Replace MCB.
Erratic speeds - Running belt speed is not stable.	Machine not calibrated properly.	-Run auto calibration.	If unit fails to auto calibrate, refer to auto calibration troubleshooting.
	Inadequate power.	-Check for dedicated circuit (20 amp is ideal) and check wall outlet voltage (120 VAC). -Make sure machine is not on extension cord, surge protector or GFCI circuit.	If the AC voltage is missing or incorrect, check the AC service or consult an electrician.
	Failed or improper wiring.	-Verify there are no pinches or cuts in the power cord, power wires, motor wires, or console cable. -Verify the connections of above wires and cords.	Replace parts as needed.
	-Running belt is too loose or too tight. -Drive belt is too loose or too tight.	-The running belt should not slip at all when customer is using the machine. -The drive belt should have approximately 3/8 of inch deflection.	Set proper drive belt and running belt tension.

Treadmill Troubleshooting

>> Erratic Speed Continued

Symptom	Possible Cause	Test Procedure	Repair
Erratic speeds - Running belt speed is not stable. (Continued)	Inadequate lubrication on deck and running belt.	-Place hand underneath running belt and feel for adequate silicone application.	Apply silicone.
	Failed motor control board (MCB).		Replace MCB.
Erratic Speeds-belt speed increases without command, but shows change on display and beeps.	In a program.	-Remove safety key, then replace. -Start in P1 and see if reoccurs.	
	Stuck button.		Reference membrane keypad and overlay troubleshooting.
	Failed upper board.		Replace UCB.