

Life Fitness Model 97Ti, 97Te, 95Ti, 95Te and 93T Arctic Silver Treadmills

TROUBLESHOOTING GUIDE

NO POWER TO TREADMILL

In order to diagnose NO POWER to Treadmill, the Motor Cover must be removed, and the Treadmill must be plugged into an electrical outlet. Use the following **TROUBLESHOOTING CHART** to take the proper corrective action for NO POWER TO TREADMILL. In conjunction with this Chart, refer to the next page to reference Test Points (TP1 through TP5) on the **Electrical Schematic**.

STEPS	INSPECT	ACTION	RESULTS
1	Line Cord Voltage	Remove the Line Cord Bracket, unplug the Line Cord from Treadmill, and then test for Line Voltage.	If Line Voltage is present, then continue on to Step 2.
			If Line Voltage is not present, then test for Voltage at wall outlet. If no voltage is present, then check the Main Service Breaker at the Facility. If wall outlet voltage is present, then replace the Line Cord.
2	Power Switch	Turn the Unit Power Switch ON, and test for Line Voltage at TP1.	If Line Voltage is present, then continue on to Step 3.
			If Line Voltage is not present, then replace Power Switch.
3	Line Filter	Turn the Unit Power Switch ON, and test for Line Voltage at TP2.	If Line Voltage is present, then continue on to Step 4.
			If Line Voltage is not present, then replace the Line Filter.
4	Circuit Breaker	Turn the Unit Power Switch ON, and test for Line Voltage at TP3.	If Line Voltage is present, then continue on to Step 5.
			If the Line Voltage is not present, then reset the Circuit Breaker, or if necessary replace it.
5	Motor Controller	Turn the Unit Power Switch ON, and test for Line Voltage at the Motor Controller Cable at TP5.	If Line Voltage is present and NO LEDs are lit then check to see if the Motor Cable is unplugged or damaged, and replace as necessary.
			If Line Voltage is present and NO LEDs are lit, then check to see if the Motor is overheated or is damaged. With the Motor unplugged, OHM out the two blue wires using a Multi-Meter. If there is NO Continuity, then replace Motor. If NO Line Voltage is present, then check Cables between the Power Box and Motor Controller, and replace as necessary.
6	Auto Transformer and Wax/Lift Board	Turn the Unit Power Switch ON, and test for 120v AC at the Wax/Lift Board Cable at TP4.	Check for damaged cables and replace. If the cables are not damaged, replace the Auto Transformer.
		NO LEDs are lit on the Wax/Lift Board.	Remove the Wax/Lift Board from the Treadmill. Check fuses 1, 2, and 3, with the Multi-Meter set on resistance. If the fuses are good, then test the power cable from the Power Box to the Wax/Lift Board for 120 Volts. If fuses are open, then replace the Wax/Lift PCB.
		Fuse No. 1 is open.	Inspect the Wax/Lift Board for any signs of damage. If damaged, replace the Wax/Lift Board.
		Fuses No. 2 or 3 are open.	Inspect cabling from the Wax/Lift Board to: Frame Tag, Motor Controller, Negative Switch, and Lift Motor Home Switch. If cabling is damaged, then replace as necessary.
		Fuses No. 2 or 3 are open.	Check for a shorted wire at the Lift Motor. The resistance is checked at the: Black to Red wire, which should read about 30 OHMS; the White to Red wire should read 15 OHMS, and the White to Black wire should also read 15 OHMS. If any of these wires register '0 OHMS', then replace the Lift Motor.

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