

Troubleshooting Basic Electrical issues – Treadwall® and Laddermill®

Parts and Tools Needed:

- Low voltage testing light (helpful)
- Basic multi meter (better)

Procedure:

This sheet is designed to help you isolate an electrical issue. For specific processes and replacement procedures, consult the correct instructions.

This sheet assumes your display and/or auto stop (Treadwall) are not working.

1. If the display is not lighting up, check the power source first. Make sure the outlet has power, then unplug the transformer from the unit (not outlet) and check that it has output voltage (9 or 12 volts). Earlier units have bullet connectors where the female connector is positive. Current models have a 2.1mm male plug where inside of the male plug is positive (fig 1). Polarity matters. If there is power, reconnect the transformer to the unit.
2. If the display does not light up but the transformer works, check the display 2.1mm power plug. You should have voltage. If not, check the power feed wire or it's connection inside the wall (Treadwall only, fig 2). If there is voltage but the display does not work, please call us to arrange a return of the display and repair.

Treadwall only the following steps.

3. If the display lights up but the auto stop is not working, you can remove the spade connectors from the microswitch (MS) at the bottom (fig 3) and check for voltage between them. This will involve opening the side panel and reaching in to remove the spade connectors (harder) or removing a panel (more time but easier).
4. If there is voltage at the MS, but the auto stop still does not work when the MS is activated ("Clicks" closed), check the solenoid. Remove the hydraulic box cover, replace the spade connectors, and have someone depress the micro switch manually. If the solenoid is working, you should hear a "click" when activated, or alternatively remove the nut and solenoid coil from the valve stem and see if a paperclip with become magnetized inside the coil power is applied (fig 4).
5. If the solenoid is working and activating with power, but the auto stop is still not functioning, check non-electrical issues such as low oil and the drive chain.



Fig. 1



Fig. 2

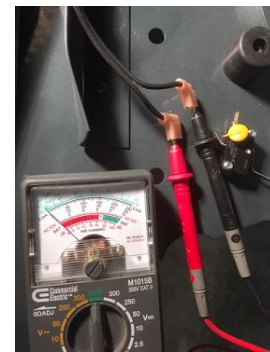


Fig. 3



Fig. 4