Troubleshooting: Treadmills

Console shows Error Message E1-E6:
- Enter engineering mode. Reset speed and elevation values (see Calibration Guides).

Console reads all 8's:
- Peel back overlay to see if the UP elevation button is stuck on the touch pad. If so, replace overlay to see if UP elevation key is freed. If not, replace touch pad.

Console reads all dashes:
- Make sure safety key is in place.

No power going into treadmill:
- Check power cord and power socket for damage or bad wiring.
- Check if the on / off switch is lit up.
- Magnets too weak in safety key. (Replace safety key.)
- Check continuity at switch.
- Check all connections at lower board.
- Check all connections at upper board.

Console blank:
- Reed switch is defective. Replace reed switch.
- Small data cable is damaged. Replace small data cable.

Treadmill trips circuit breaker on power up:
- Check wiring diagram for proper grounding set up.
- Ensure deck and belt are properly waxed.

Treadmill belt starts when treadmill is plugged in or power switch is turned on but Start button has not been pressed:
- Lower board may have moisture on it. Run treadmill for 10 minutes to allow board to dry. Recheck and replace as needed.
- Charge in lower board.
- Large data cable damaged. Replace large data cable.

Elevation does not move when key is pressed:
- Check connections of data cables at upper and lower boards.
- Enter engineering mode and reset elevation values. See calibration guides.
- Check connection of large data cable.
- T9700-series only. Enter engineering mode to P14. Check to see if elevation has been turned off. If so, turn elevation back on.
- Elevation motor is bad. Replace motor.

Elevation does not reach maximum or minimum elevation:
- Enter engineering mode and reset elevation values. See Calibration Guides.

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Troubleshooting: Treadmills continued

Elevation reads maximum when deck is flat:
- Enter engineering mode and reset elevation values. See calibration guides.
- Set calibration manually.

Elevation moves to maximum level on power up:
- Large data cable damaged. Replace cable.
- Enter engineering mode and reset elevation values. See calibration guides.

Knocking noise in treadmill:
- Let treadmill run. This will allow the roller bearings to seat on the roller axle.
- Check for wax build up on front and rear rollers.
- If it is a new treadmill, let treadmill run. Running belt may be overtightened and noise comes from seam in running belt moving over rollers. Run treadmill to allow belt to stretch.
- If it is an older treadmill, check running belt tension. If belt has been overtightened for a long period of time, there will be excessive load placed on the roller bearings. Loosen the rear roller and re-tension the belt.

Squeaking or chirping noise under the motor cover:
- Drive belt not correctly aligned. Adjust motor pulley and align with front roller pulley.
- Remove drive belt. Check the grooves in the belt and pulleys for debris. Clean motor pulley, drive belt and roller pulley.
- Remove and inspect motor brushes. Check for abnormal wear. Replace if damaged.
- Remove motor brushes. Stone commutator.
- Motor bearings defective. Replace motor.

Running belt slips:
- Adjust running belt to proper tension.
- Drive belt loose. Check tension and adjust to proper tension.

Treadmill tracks to one side:
- Check running belt tension. If at proper tension, belt should remain centered.
- Adjust angle of rear roller. Ensure the rear roller has equal amount of tension on each side by turning the rear roller adjustment bolts only 1/4 turn at a time.

Deck squeaks, knocks or thunks:
- Make sure front roller is aligned properly.
- Check to make sure treadmill is leveled.
- Grease and tighten deck bolts.