

	Troubleshooting Guide: No Belt Movement, No Incline	
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PROBLEM

The console begins a workout and the timer counts as normal, but there is no running belt movement and the incline does not change.

TOOLS

Phillips screwdriver

Multi-meter (optional)

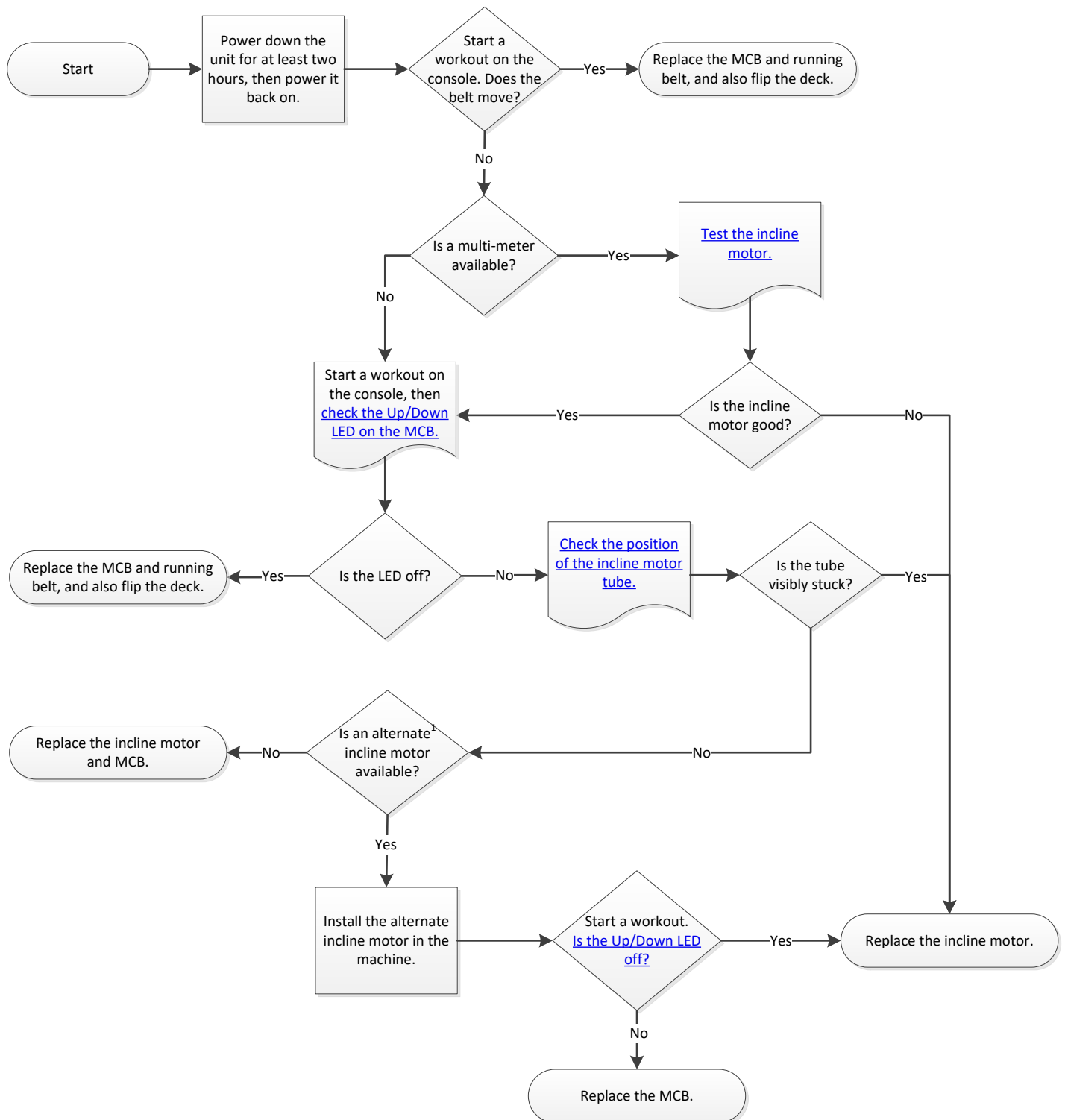
Known working incline motor (optional)

SOLUTION

Begin troubleshooting by following the steps in the flow chart on page 2.

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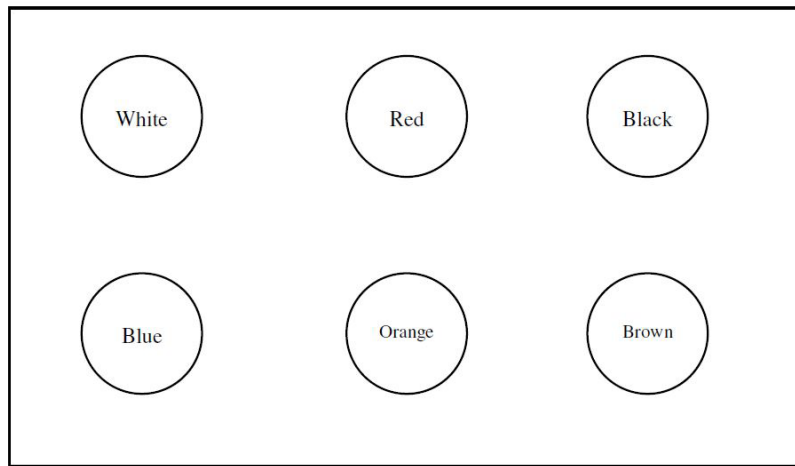
Flow Chart



¹ Use a known working incline motor (for example, one from another T80 treadmill in the facility).

Test the Incline Motor

The chart below shows the wire map of the incline motor connector. White, red, and black wires are for power, and the blue, orange, and brown wires are for the potentiometer.



Follow these steps to test the motor:

1. Turn off and unplug the unit.
2. Use a Philips screwdriver to remove the motor cover.
3. Unplug the incline motor connector from the motor control board (MCB).
4. Set the multi-meter to ohms (Ω).
5. Place the leads into the blue and brown wires. The meter should read 10 Ω (+/- 0.5 Ω).



6. Next, place the leads into the blue and orange wires. The meter should read between 1 and 10 Ω . Write this number down.



7. Place the leads into the brown and orange wires. The meter should read between 1 and 10 Ω . Write this number down.



8. Find the sum of your readings from step 6 (blue and orange) and step 7 (brown and orange). The sum *should* equal the reading from step 5 (blue and brown), or about 10 Ω .
- If the sum equals 10 Ω , the incline motor is good.
 - If the sum does not equal 10 Ω , the incline motor is bad.

Check the Up/Down LED on the MCB

1. Use a Philips screwdriver to remove the motor cover.
2. Turn on the power, then start a workout on the console.
3. Check the Up/Down LED on the MCB, as shown in figures 1 and 2.

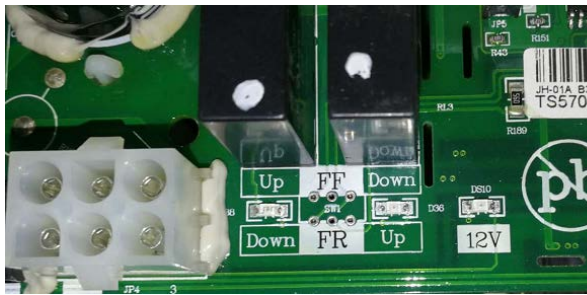


Figure 1: Normal

Normally, the Up/Down LEDs are off when the Up/Down keys are not pressed.

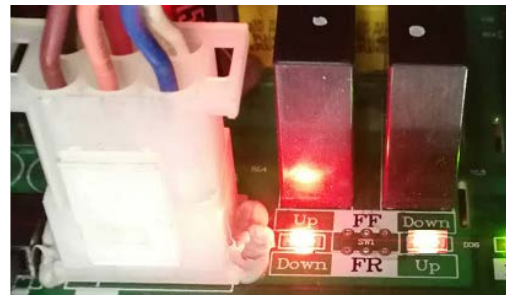


Figure 2: Error

If the Up/Down LED is on even when the Up/Down keys are not pressed, the incline motor is stuck.

Check the Position of the Incline Motor Tube

1. Use a Philips screwdriver to remove the motor cover
2. Examine the incline motor and compare it to figures 3 and 4.

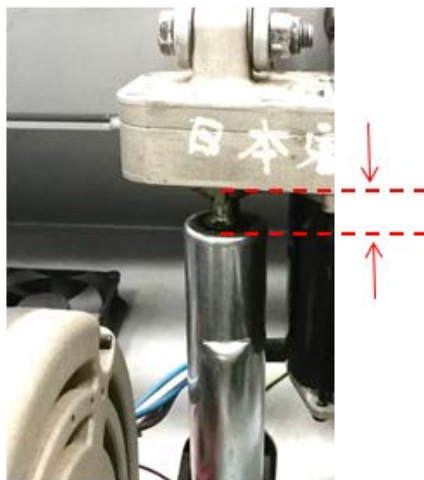


Figure 3: Normal

If there is space between the sleeve and the incline motor tube, the motor is good.



Figure 4 : Stuck

If the sleeve touches the incline motor tube, the motor is stuck.