



EVO2 EVO3

**Testing units to see why unit has no incline function
(You will need a voltmeter to test VAC & VDC Voltages)**

Testing to see if relay is getting a signal from console to incline unit.

- First let's remove hood cover on your treadmill.
- Now on your Relay board which is the smaller of the two boards under the hood. The relay board will be either a **Green** color and have a 7 pin harness plug into the **CN2** connector on the board, or a **Blue** color and have an 8 pin harness plug into **CN5**.
- Now we can see if the Relay is getting the signal from console to incline unit. The voltage you will be checking for is **11.8vdc** on the 7 pin harness/8 pin harness. For a **7 pin relay** you will put the Black test lead into the **Green** wire and the Red test lead into the **Red** wire which is the **UP** function and the Yellow Wire is the **Down** function you should have **11.8vdc** and when incline up it should drop out then come back up when stop. If you don't have that voltage present then either the 7 pin harness is bad going up to console or the console is bad. At this time I would test the Red wire in harness from relay to console and see if you have Continuity between ends if not then you will need a new 7 pin harness, if it checks out ok then it's a console that is needed.
- For a 8 pin relay you will put the Black test lead into the **Green** wire and the Red test lead into the **Yellow** wire for UP Function & the **White** wire is for Down function you should have 11.8 VDC and when incline up it should drop out then come back up when stop. If you don't have that voltage present then either the 8 pin harness is bad going up to console or the console is bad. At this time I would test the Yellow wire in harness from relay to console and see if you have

Continuity between ends if not then you will need a new 8 pin harness, and if it checks out ok then it's the console that is needed.

- Now at this time you are getting the proper voltage reading from the above steps but still have no incline, we can check to see if relay is sending a signal to the incline motor.

Testing procedures to see if relay is sending a signal to incline motor

- Let's take your voltmeter and check to see if relay is sending VAC to incline motor.
- First take your Black test lead and put onto the ground wire and the Red test lead into the Red wire which is your **up signal wire** coming from incline motor and plugs into **CN11** when you press the up button you should have a spike of about **196.VAC**. If you don't the voltage reading then it's a bad **Relay Board**. If you do get that voltage reading and still have no incline then it's an **Incline motor**.
- Now if your unit is stuck on incline and will not come down you can test the **Black** wire same as above coming from incline motor which is your incline down wire and plugs into **CN5**. If you don't get a spike of 196 VAC from relay then the **Relay** is bad, if you do get that spike but incline will not go down then you will need a new **incline motor**.

Any further question please contact us at 888 800 1167 press 2 for service.