

	Troubleshooting Guide: Console Cable	
Prepared by: Emilie McWilliams	Date Prepared: 4/26/2016	Models Affected: Treadmills with an 8-pin console cable (2011 or later)

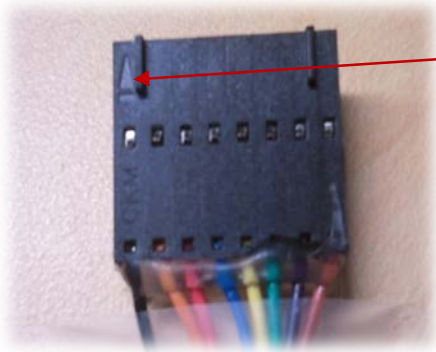
Note: To identify Pin 1, locate the arrow on the flat end of the bottom cable (see Page 2).

Pin#	Pin Name	Description	Voltage (vdc)	Symptom When Wire Cut
1	POWER	DC power input	+12	None (redundant wire)
2	POWER	DC power input	+12	None (redundant wire)
3	DA	Communication between MCB and console	-5 ~ +5.0	- Some units – none (redundant wire) - Some units – the console shows “Connect” or “Connecting”. No other displays or functions.
4	SAFE	Safety key signal	Open drain, +5.0 based on system design	- Some units – the console appears to function normally, but the running belt and incline motor do not move. - Some units – the console beeps constantly. The console resets to the Select User screen during the three second countdown or during program set up.
5	SAFE	Safety key signal	Open drain, +5.0 based on system design	- Some units – the console appears to function normally, but the running belt and incline motor do not move. - Some units – the console beeps constantly. The console resets to the Select User screen during the three second countdown or during program set up.
6	DB	Communication between MCB and console	-5 ~ +5.0	- Some units – none (redundant wire) - Some units – the console shows “Connect” or “Connecting”. No other displays or functions.
7	GND	Ground	0.0	None (redundant wire)
8	GND	Ground	0.0	None (redundant wire)

Further Troubleshooting

If a treadmill has no motor movement, check whether the incline motor is working:

- A failed console cable is the primary cause of no running belt movement with no incline movement.
- The motor control board (MCB) is the likely culprit if the incline motor works and the running belt doesn't move.



This arrow means that this is Pin 1

The customer or technician can test continuity by touching the prongs or spades at the end of the cable.

