

ACCELL FITNESS BREMSHEY TREADLINE _ REPAIR HELP_TROUBLESHOOTING



[[http://4.bp.blogspot.com/-](http://4.bp.blogspot.com/-DUJo0UDi_aM/UOUI1WhtQAI/AAAAAAAAAYPc/yrUCNzJAg6E/s1600/4.bmp)

[DUJo0UDi_aM/UOUI1WhtQAI/AAAAAAAAAYPc/yrUCNzJAg6E/s1600/4.bmp](http://4.bp.blogspot.com/-DUJo0UDi_aM/UOUI1WhtQAI/AAAAAAAAAYPc/yrUCNzJAg6E/s1600/4.bmp)]

ENGINEERING MODE

- Enter the engineering mode after switching the treadmill POWER ON by pushing first 'SELECT' and then 'ENTER' and hold buttons pressed simultaneously.
- The SPEED window shows the treadmill software version number, TIME window shows the software design year and DISTANCE window shows the design date in "MM.DD" format.
- Press 'ENTER' to show LDU version number (Display control software).
- Press 'ENTER' to show ISP version number
- Press 'ENTER' to enter KM/MILE switch mode, 1 for KM, 0 for MILE
Switch between the KM or MILE setting by pressing SPEED +/- or ELEVATION +/-
- Press 'ENTER' to show total distance
- Press 'ENTER' to show total usage hours
- Press 'ENTER' to return to the normal mode.

TESTING MODE

- Enter the testing mode after switching the treadmill POWER ON by pushing first 'SELECT' and then 'SPEED DOWN' and hold buttons pressed simultaneously.
- LED scanning mode for verifying display functionality
- Press 'ENTER' to scan DATA LINES to verify display functionality
- Press 'ENTER' to scan SACN LINES to verify display functionality
- Press 'ENTER' to scan LED's to verify display functionality

- After pressing 'ENTER' the TIME window shows "test" and the keypad functionality can be tested (the value displayed changes when a button is being pressed).
- Press 'ENTER' to enter IO mode (TIME display shows lift motor potentiometer value, SPEED reads speed from speed sensor and DISTANCE shows heart rate pulse).



[[http://4.bp.blogspot.com/-](http://4.bp.blogspot.com/-CayreFQD4Ao/UOUKXWW4i7I/AAAAAAAAAYRM/wroUK65VlzI/s1600/untitled.bmp)

[CayreFQD4Ao/UOUKXWW4i7I/AAAAAAAAAYRM/wroUK65VlzI/s1600/untitled.bmp](http://4.bp.blogspot.com/-CayreFQD4Ao/UOUKXWW4i7I/AAAAAAAAAYRM/wroUK65VlzI/s1600/untitled.bmp)]

- Press 'START' to test lower board relay (a "click" sound) and then press 'ELEVATION UP' for 2 seconds to increase the elevation to 8%. Press 'ELEVATION DOWN' to decrease the elevation to minimum percentage 0%.
- Press 'SPEED UP' to increase speed value and 'SPEED DOWN' to decrease speed value.
- Press 'ENTER' to repeat above test or 'SELECT' and 'SPEED DOWN' buttons simultaneously to return to the normal mode.

LOWER BOARD AND CONNECTION LOCATIONS [ELECTRONIC CONTROL]



Connections

1. User interface
2. User interface AG
3. Speed sensor
4. Lift motor potentiometer (elevation from potentiometer)
5. Lift motor power, VAC
6. Power IH, VAC
7. Motor power, VDC

Components

1. Adjustment of current supplied to the motor (torque)
2. Adjustment of voltage supplied to the motor (speed)

[[http://1.bp.blogspot.com/-l--3G-](http://1.bp.blogspot.com/-l--3G-tcXtc/UOULPHDq3PI/AAAAAAAAAYRY/hVsIp16bcS0/s1600/lower+board+connectors.bmp)

[tcXtc/UOULPHDq3PI/AAAAAAAAAYRY/hVsIp16bcS0/s1600/lower+board+connectors.bmp](http://1.bp.blogspot.com/-l--3G-tcXtc/UOULPHDq3PI/AAAAAAAAAYRY/hVsIp16bcS0/s1600/lower+board+connectors.bmp)]

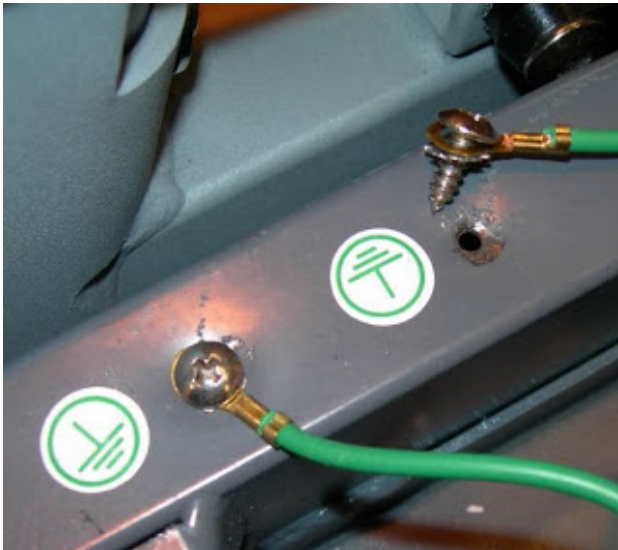
TROUBLESHOOTING

- Treadmill is making knocking noise: the best way to start finding the root cause of the problem is to listen to the frequency of the noise. For example, the running belt seam overlaps a roller twice per revolution, should this be the frequency of the noise, the belt needs to be adjusted or replaced. If the noise has significantly higher frequency

it is likely to be caused by a damaged front or rear roller bearing.

Adjust the rear foot to make the treadmill deck even with the floor.

- **Heart rate readings are inaccurate:** - The motor wires needs to be wrapped through a ferrite ring and twisted around each other in order to prevent possible heart rate reading interference. Home appliances, e.g. TV and mobile phone, and electric network can generate interference. Try using equipment in different environment.
- **Circuit breaker (10A) trips repeatedly:** Check that the treadmill is running mechanically free. Check belt lubrication. If the wall outlet voltage is lower than normal the required current is higher and might cause the breaker to trip.
- **Static electricity:** Lubricate deck according to instructions in owner's manual. Eliminate static electricity generators; user should not use nylon clothing and/or should try another pair of different type of training shoes. Ensure that the frame grounding wires are contacting steel by removing possible paint between the wire connector and frame. [See the picture of that connection].



[[http://3.bp.blogspot.com/-](http://3.bp.blogspot.com/-B8Di7qz8Ock/UOUOTX5TfBI/AAAAAAAAAYUs/Md1maAugatg/s1600/untitled.bmp)

[B8Di7qz8Ock/UOUOTX5TfBI/AAAAAAAAAYUs/Md1maAugatg/s1600/untitled.bmp](http://3.bp.blogspot.com/-B8Di7qz8Ock/UOUOTX5TfBI/AAAAAAAAAYUs/Md1maAugatg/s1600/untitled.bmp)]

NB! Always when servicing the treadmill be sure that the power has been switch off and the main cable is plugged off the power board. Big capacitors on the control board might retain high voltage level even for several hours after the unit has been plugged off from the power outlet.

Posted 2nd January by [Gopakumar Gopalan](#)

