

	Troubleshooting Guide: Incline Homing Error Message	
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PROBLEM

User cannot clear the "Incline Homing" error message on the console. If the message cannot be cleared, the unit will not function.



REQUIRED PARTS

If there is a report of this issue, send the LCB, incline motor, and the wire harness (between the LCB and incline motor).

TROUBLESHOOTING STEPS

Use these questions to troubleshoot the error message with the on-site tech:

1. With the unit powered on and the "Incline Homing" message showing, does the incline position appear to be at the minimum or maximum height?
2. Does the "Incline Homing" message clear at some point or does it display indefinitely?

If it doesn't clear: With the unit on and the "Incline Homing" message showing, using a current clamp, what is the measured current on the red wire of the wire harness? Expected result: 0 amps (If the tech doesn't have a current clamp, skip this step.)

3. Disconnect the power to the unit, then unplug the incline motor from the harness. From the wire harness coming out of the incline motor, what is the resistance across the following wires?
 - Black to Red expected result: about 1 ohm
 - Blue to Brown expected result: about 9500 ohms
 - Blue to Orange expected result: about 7200 ohms
 - Orange to Brown expected result: about 2300 ohms

4. Reconnect the incline motor harness and power up the machine. Go into Engineering Mode (press and hold up and down resistance buttons for 5 seconds). Then, navigate to “Incline Test” and press Enter. The screen should say “incline zero” with a number on the right.
 - What is the number shown to the right when initially entering the screen? Expected result: about 200.
 - Press and hold the incline down button until the incline motor goes no further. What is the numerical value on the right? Expected result: about 200.
 - Press and hold the incline up button until the incline motor goes no further. What is the numerical value on the right? Expected result: about 950.
5. Reset and go into Engineering Mode again and attempt the “auto calibrate” option. It should display “incline max” and the number should increase to around 950, then display “incline zero” and decrease to about 200, before showing “end” when successful. Are these numbers approximately what the tech is seeing?
6. Replace just the harness between the LCB and the incline motor and attempt to perform the “auto calibrate” option in Engineering Mode. Is the issue resolved?
7. Replace the incline motor and attempt to perform the “auto calibrate” option. Is the issue resolved?
8. Replace the LCB and attempt to perform the “auto calibrate” option. Is the issue resolved?