

TEST #1

- Set the multimeter to the ohm setting.
- Put one lead of the multimeter on tip #1 and the other on tip #2.
- Have someone push the up button. The multimeter reading should go from an open circuit (no reading) to a closed circuit (a reading).



- Put one lead of the test meter on tip #1 and the other on tip #3. Have someone push the down button. The multimeter reading should go from an open circuit (no reading) to a closed circuit (a reading).

- If both the up and down functions test good then the problem is in the charger/controller.

TEST #2

- Charge the battery for 4 to 6 hours. Remove the battery. Set the multimeter to “VDC” setting. Take a voltage reading to verify that the battery is fully charged. Put the test leads on points a and b. The multimeter should read between 24 and 27 volts.



- If the battery voltage is less than 24 volts after charging then battery is at fault.
- Reinstall the battery in the lift.

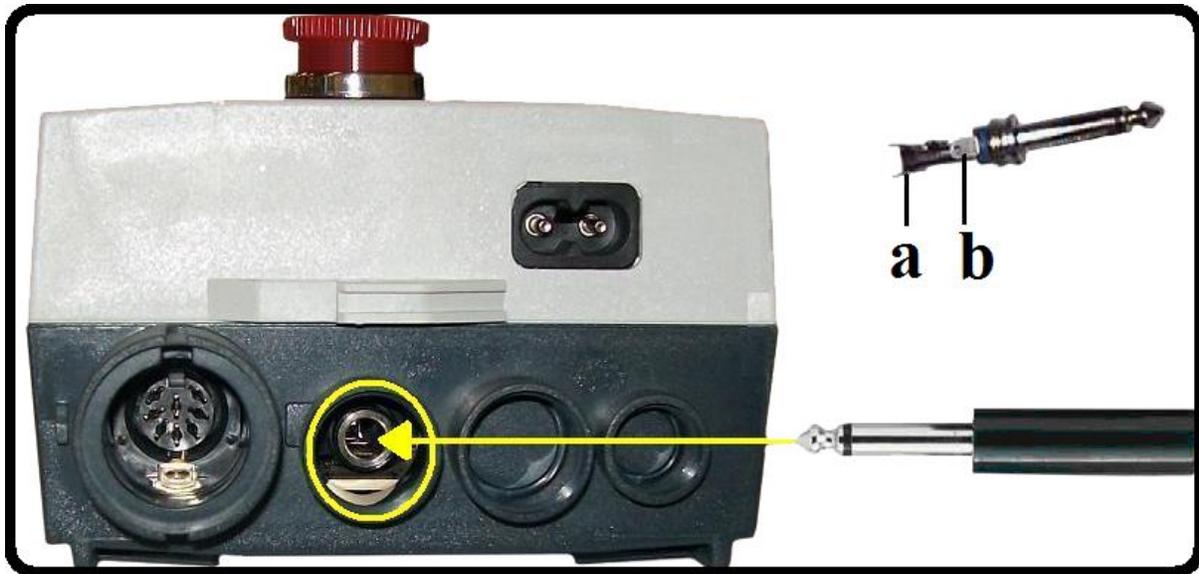
- Install the hand control into the control box. Do not connect the motor.



- Make sure the emergency release button is pulled out.



- Insert a 1/4" mono audio plug (Radio Shack #274-1536) into the connection where the motor plug would go into. Remove the barrel of the plug to get access to the contacts. Attach one test lead of the test meter to each of the contacts (a & b). Take care not to allow the leads to touch each other.



- Have someone press up button on the hand control. You should hear a click and the meter should show the same voltage previously read on the battery.
- Have the down button pressed on the hand control. You should hear a click and the meter should show the same voltage previously read on the battery, but the polarity will be reverse.

If the output voltage in steps 7 and 8 are the same as or close to step1, then the problem is in the motor.

If the click is heard in steps 7 and 8 and there is no or very little output voltage then the problem is in the charger/controller and it should be replaced.