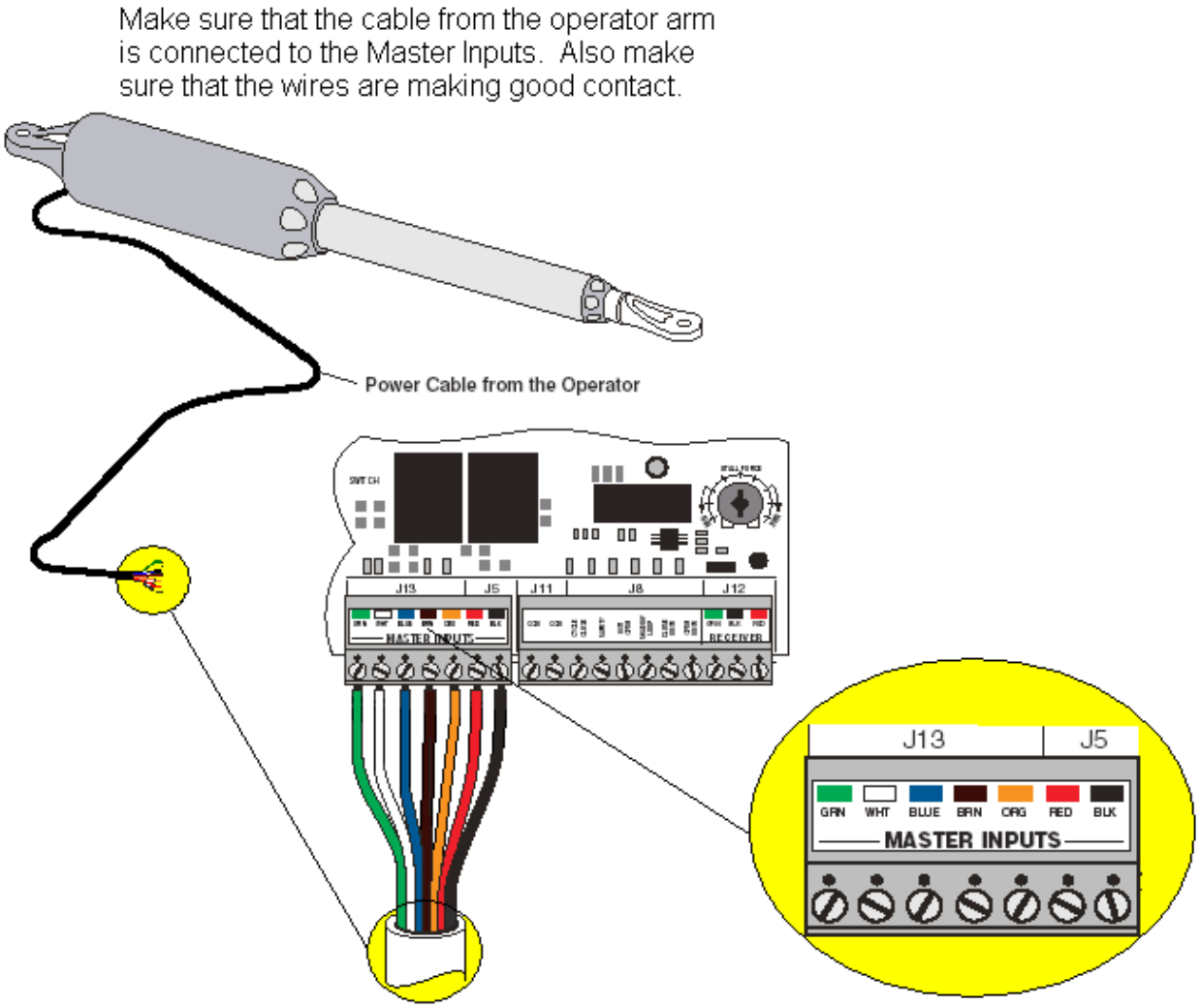
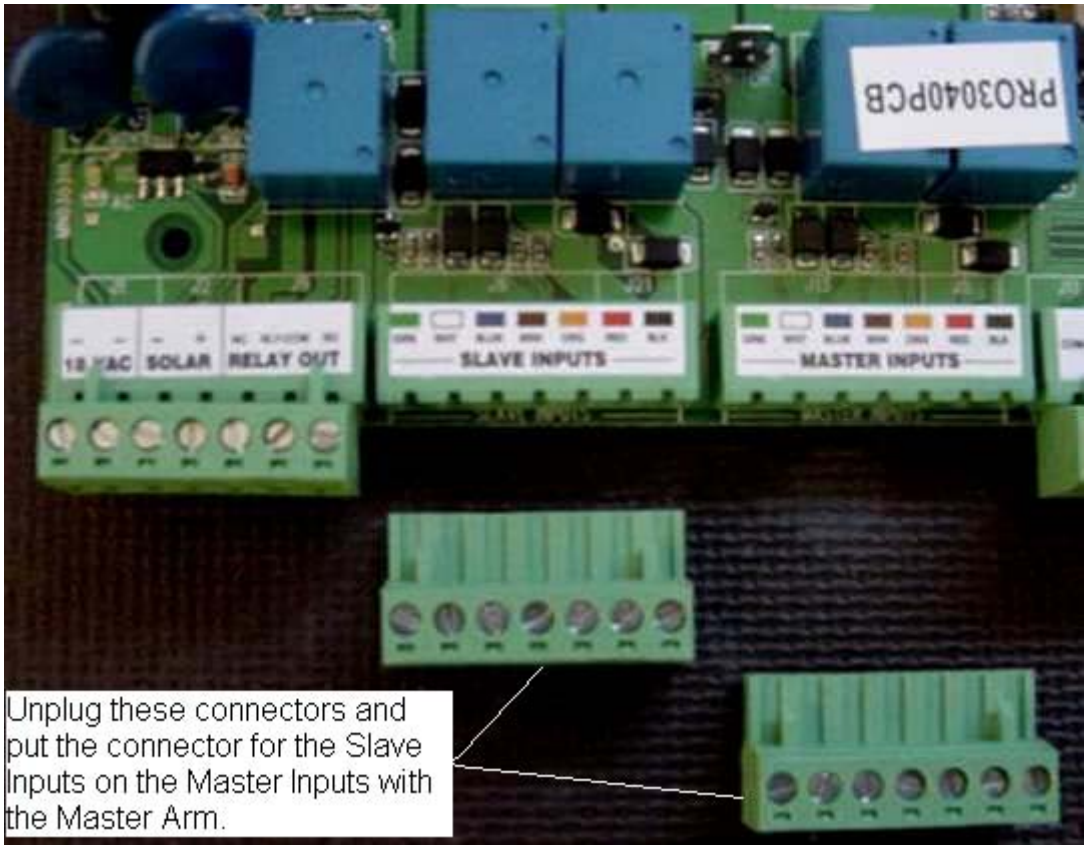
Limit Switch Error

If you are getting a three second alarm, a second of silence, and another three second alarm repeatedly and your gate opener will not work, then you are experiencing a limit switch error. The circuit board is telling you that it cannot read the limit switches inside the Master arm.

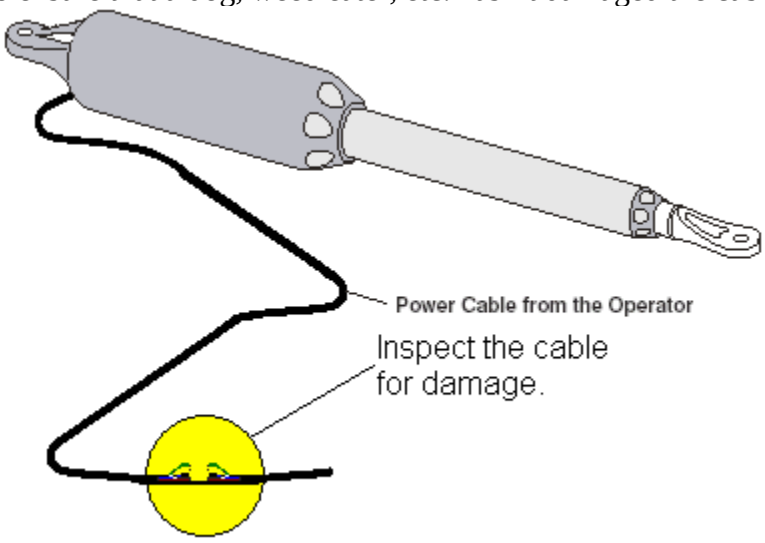
Check the connections of the power cable to the Master Inputs of the circuit board. Make sure that the wires are on the correct terminals and making good contact.



The connectors on the circuit board may not be making good contact. Swap the connectors. Unplug the Master Inputs connector from the circuit board. Unplug the Slave Inputs connector and put it on the Master Inputs side of the board. Wire the Master Arm to the Master Inputs side of the circuit board.

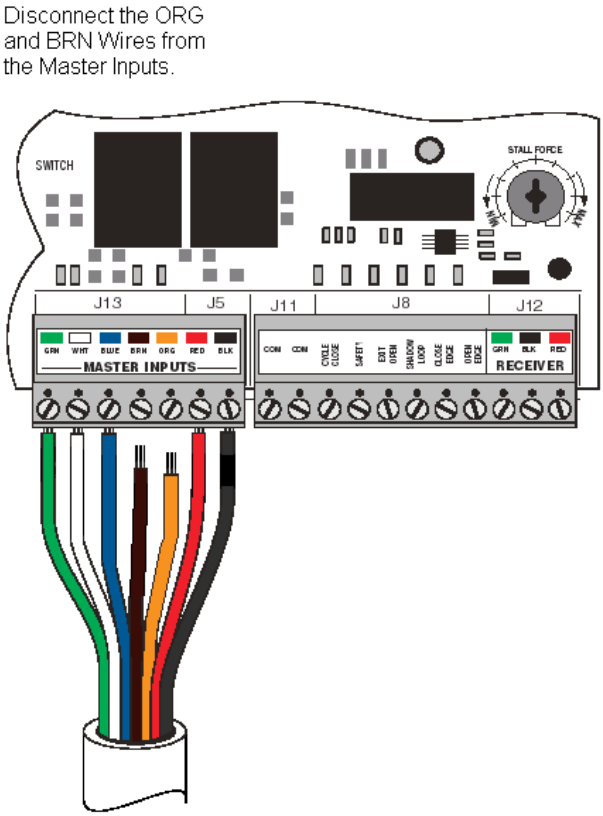


Inspect the cable to ensure that a dog, weed eater, etc. hasn't damaged the cable.



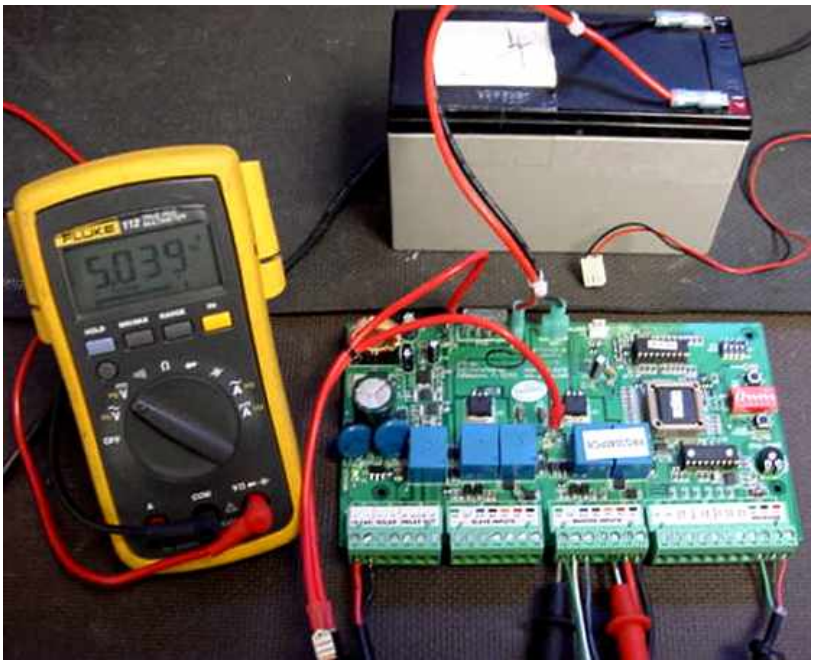
If you have the arm wired to the Master Inputs, the connections are good, and the cable hasn't been damaged, there is a problem with the circuit board or the operator arm.

To test the circuit board, disconnect the orange and brown wires from the Master Inputs.

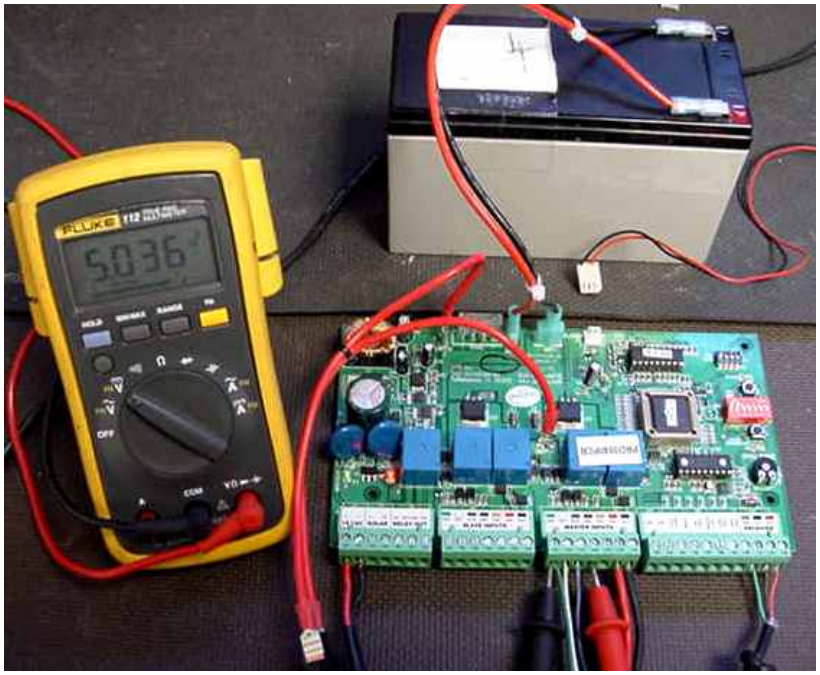


Power cable from operator (master) arm

Check the voltage across the orange and green terminals on the Master Inputs. You should have 5 vdc.



Check the voltage across the brown and green terminals on the Master Inputs. You should have 5 vdc.



If you do not have 5 vdc across both the orange and green and brown and green terminals, the problem is with the circuit board.

If you do have 5 vdc across both the orange and green and brown and green terminals, the problem is with the Master operator arm. You will need to have it repaired.

To double check your diagnosis, you can disconnect the Master arm from the Master Inputs and leave it disconnected. Disconnect the Slave arm and wire it to the Master Inputs. If the Slave arm works properly on the Master Inputs, you know for sure the problem is with the Master arm.