

How do I test my LOAD terminal is operating correctly?

- 1) Power down the system, remove the load negative cable from the LOAD- terminal and connect it to the BAT- terminal of the PL (On the PL20, it's the terminal 'next door').
- 2) Power up the system, turn on your loads and check that they are working correctly (they should now be effectively directly connected to the battery through all your wiring).
- 3) Power down the system, and shift the load negative cable back to the LOAD- terminal.
- 4) Power up the system, and change to PROG=0 (flooded batteries) or PROG=1 (sealed batteries), if you are not in one of these programs already. This should have the effect of guaranteeing that the LOAD- terminal should be on (which effectively connects the LOAD- terminal to the BAT-terminal).
- 5) Turn all your loads on, then use a multi-meter to measure Volts between the BAT- and LOAD-terminals.
- 6) This voltage should be very close to 0V (if the load FET is turned on and everything is ok).
- 7) If this voltage is not 0V, it indicates a damaged load FET that needs to be repaired. The PL should be sent into Plasmatronics – please see Repairs Return Instructions.
- 8) After testing, remember to put the program setting back to the original (PROG = 0 – 4).