

# Propeller Education Labs: Fundamentals (#122-32305)

## Errata

### Corrected on page 30

Delete AC voltage section, and DC voltage section reads as follows:

#### DC Voltage

Test the voltage across the four red/black vertical power rails. The voltage across (RED, 13) and (BLACK, 13) should measure 3.3 VDC on each of the four power connectors. **If the voltage is instead in the 4 V neighborhood or higher, disconnect power immediately and see Troubleshooting entry (11) on page 42.** If the voltage is otherwise incorrect, go to Troubleshooting entry (3) on page 40.

- ✓ Repeat the 3.3 VDC test for (RED, 18) and (BLACK, 13).
- ✓ (I, 1) on center breadboard to (BLACK, any): same as voltage across battery terminals.
- ✓ (G, 3) on center breadboard to (BLACK, any): 5 VDC. **If the voltage is instead in the 6 V neighborhood or higher, disconnect power immediately and see Troubleshooting entry (11) on page 42.**

### Page 42 (Corrected)

- (11) 4 VDC or more across (RED, any) and (BLACK, any), or 6 VDC or more across (G, 3) to (BLACK, any).**
- a. One of the 1000  $\mu$ F capacitors **may not be** not properly connected. **This is indicated by a DC voltage measurement that is 1 to 2.5 V above what they should be.**
    - i. Check to make sure the **capacitor** leads are inserted into the correct sockets.
    - ii. Check to make sure the **capacitor** leads are long enough and making sufficient contact with the socket.
  - b. **If the voltage across (G, 3) to (BLACK, any) turns out to be 9 V, a wiring mistake may be shorting the battery's positive terminal (G..L, 1) to (G..L, 3).**
  - c. **If the voltage across (RED, any) and (BLACK, any) measures 9 V, a wiring mistake may be shorting the battery's positive terminal (G..L, 1) to either (G..L, 6) or to one of the red power connector.**
  - d. **If the problem still persists, contact Parallax Tech Support. (See page 18.)**