

SECTION 1 - NO POWER

Symptoms:

- The batteries are fully charged.
- All electrical components are connected correctly.
- The on/off key is pressed and the power does not come on.

Diagnosis:

The power has been interrupted somewhere in the system.

Solution:

Use the following procedure to find the source of the interruption:

1. Measure voltage across pin 1 (B+) and pin 2 (B-) on connector 1a. **See figure 2.**
 - If your multimeter indicates 0VDC, then go to the next step.
 - If your multimeter indicates about 25VDC, then replace the VSI controller (1) and retest the system.
 - If your multimeter indicates 0 — 18VDC, then recharge the batteries and retest the system.
2. Unplug connector 1c from connector 2a. **See diagram 2.**
3. Measure voltage across pin 6 (B+) and pin 8 (B-) on connector 2a and across pin 7 (B-) and pin 5 (B+) on connector 2a. **See figure 3.**
 - If your multimeter indicates less than 18VDC, then go to the next step.
 - If your multimeter indicates more than 18VDC, then replace the VSI controller (1) and retest the system.
4. Remove the seat and foot platform assembly. Refer to the power base owner's manual.
5. Remove the shroud. **See figure 4.**
6. Measure voltage across connector 6b and connector 7c. (If your multimeter indicates 0VDC, then measure voltage across connectors 6c and 7b.) **See diagram 2.**
 - If your multimeter indicates 0VDC or more than 18VDC, then go to the next step.
 - If your multimeter indicates 0VDC — 18VDC, then recharge the batteries and retest the system.
 - If the batteries do not appear to be taking a charge, then go to “Flash Code #1 - Low Battery”, step 16.

WARNING! Battery posts, terminals, and related accessories contain lead and lead compounds. Wash hands after handling.



WARNING! Always protect the batteries from freezing and never charge a frozen battery. Charging a frozen battery may result in personal injury and/or damage to the battery.

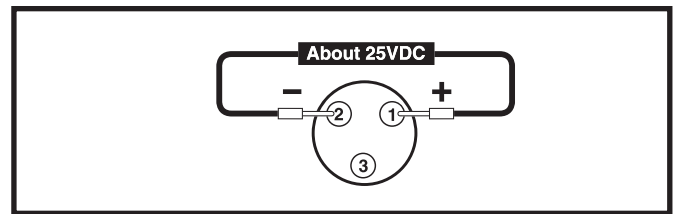


Figure 2. Connector 1a

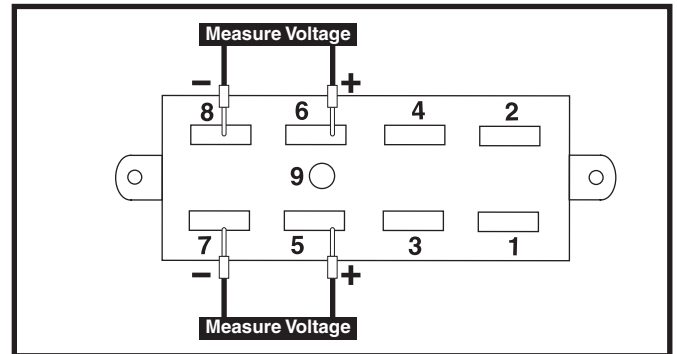


Figure 3. Connector 2a

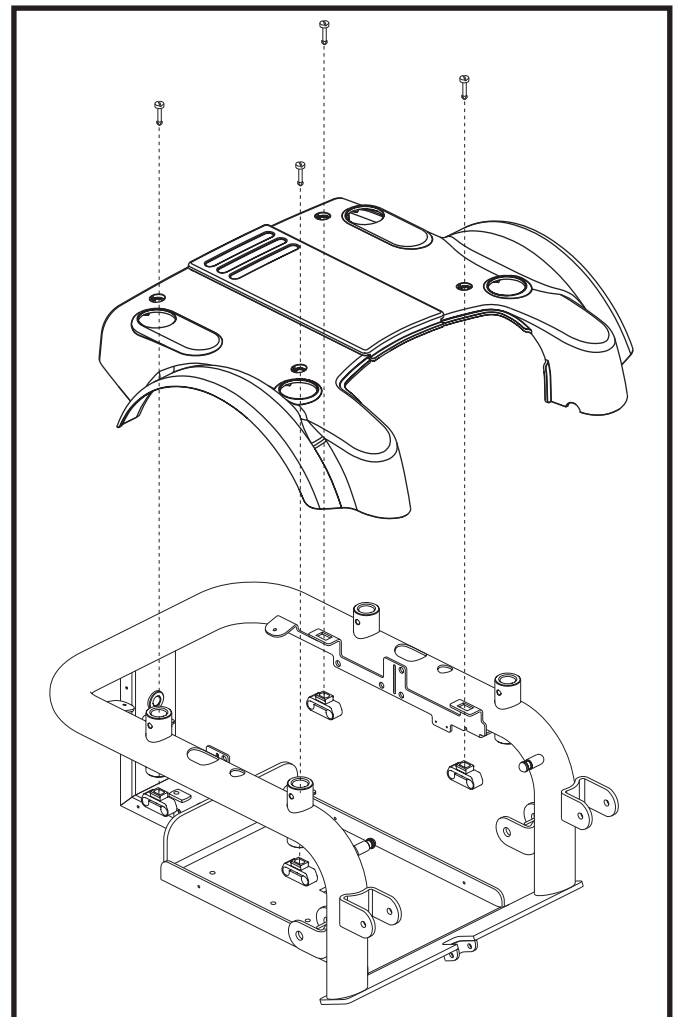


Figure 4. Jazzy 1121 Shroud Assembly/Disassembly



MANDATORY! RED (+) cables must be connected to positive (+) battery terminals/posts. BLACK (-) cables must be connected to negative (-) battery terminals/posts. Failure to connect the battery cables and harnesses in the proper manner may result in personal injury and/or damage to the power chair. REPLACE cables immediately if damaged.

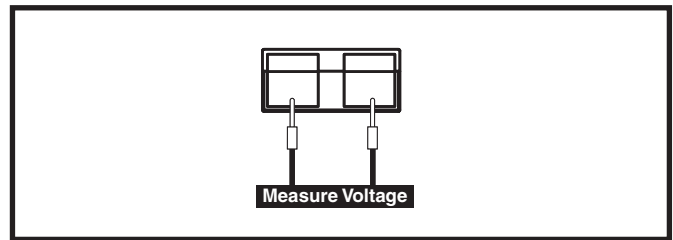


Figure 5. Connector 6a (also connector 7a)

7. Unplug connector 7a from connector 2b and connector 6a from 2c. **See diagram 2.**
8. Measure voltage across connector 6b and connector 6c. **See diagram 2.**
9. Measure voltage across pin 1 and pin 2 on connector 6a. **See figure 5.**
 - If your multimeter indicates the same voltage as measured in step 8, then go to the next step.
 - If your multimeter indicates a different voltage (by at least 0.2VDC), then replace the rear battery harness (6) and retest the system.
10. Measure voltage across connector 7b and connector 7c. **See diagram 2.**
11. Measure voltage across pin 1 and pin 2 on connector 7a. **See figure 5.**
 - If your multimeter indicates the same voltage as measured in step 10, then go to the next step.
 - If your multimeter indicates a different voltage (by at least 0.2VDC), then replace the front battery harness (7) and retest the system.
12. Unscrew the electronics tray assembly and lift it off of the 1121 frame. **See figure 6.**
13. Measure resistance across contact 1 and contact 2 of the circuit breaker (2f). **See figure 7.**
 - If your multimeter indicates less than 1 ohm, then replace the power interface harness (2) and retest the system.
 - If your multimeter indicates an open, then replace the circuit breaker (2f) and retest the system.

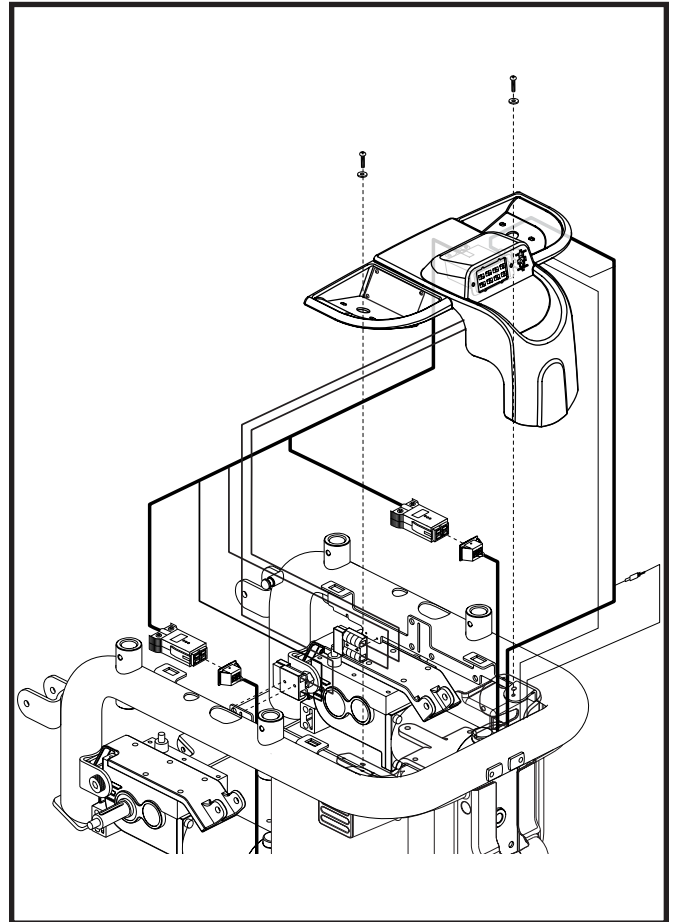


Figure 6. Jazzy 1121 Electronics Tray Assembly/Disassembly

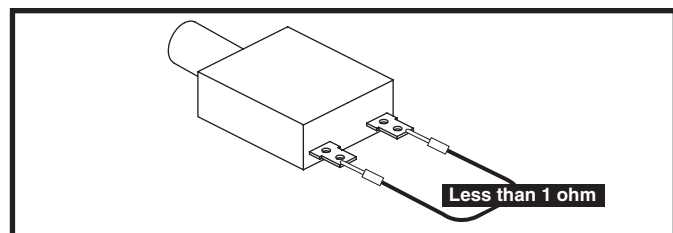


Figure 7. Circuit Breaker (2f)

- 1 VSI CONTROLLER
- 2 POWER INTERFACE HARNESS
- 3 CHARGER/INHIBIT HARNESS
- 4 BATTERY CHARGER
- 5 CHARGER POWER INTERFACE HARNESS
- 6 BACK BATTERY HARNESS
- 7 FRONT BATTERY HARNESS
- 8 LEFT MOTOR
- 9 RIGHT MOTOR

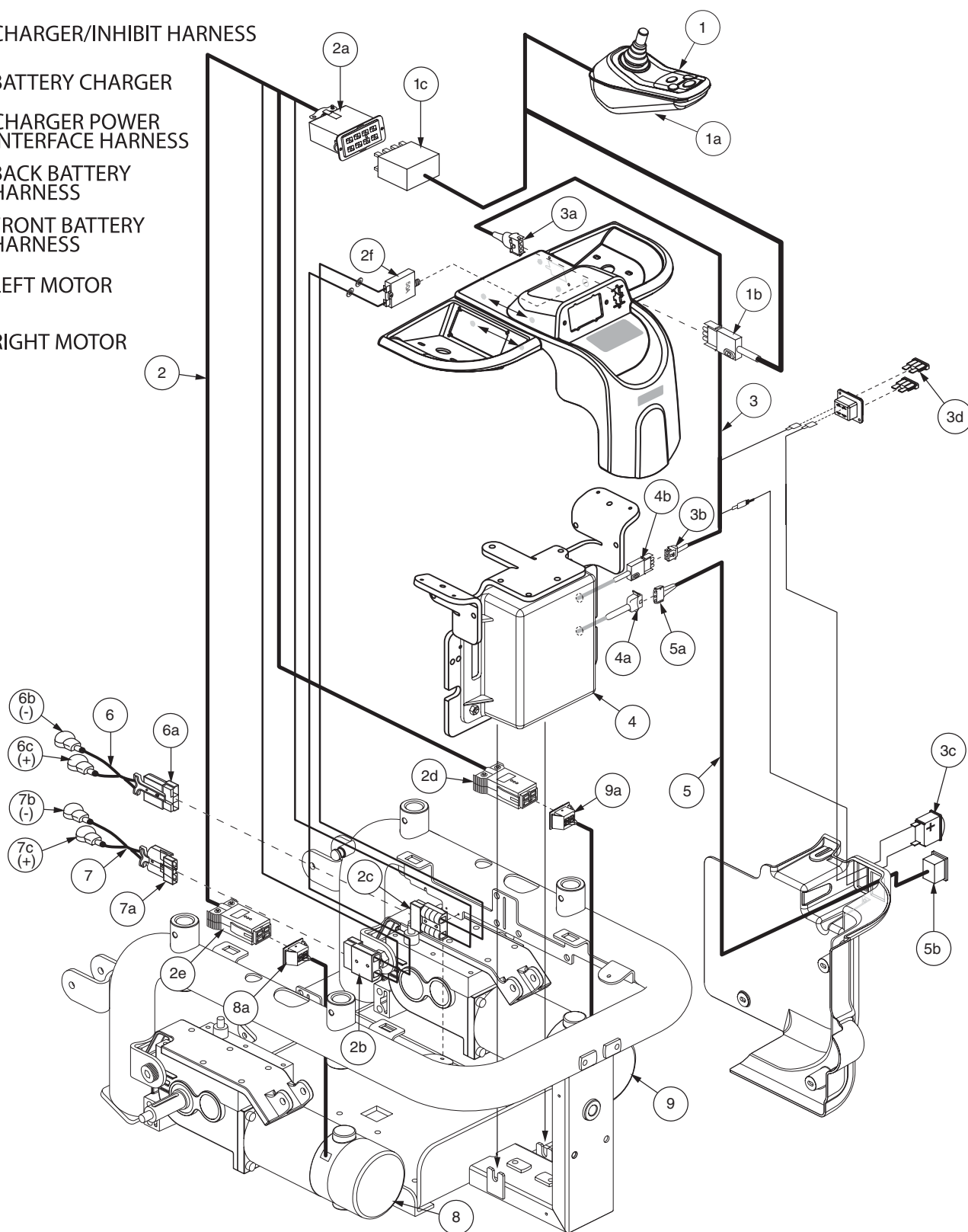


Diagram 2. Jazzy 1121 VSI Wiring Diagram - 3D