

6. Unplug connector 8a from connector 13a.
7. Measure resistance across pin 3 (white) and pin 4 (white) on connector 8a. **See figure 29.**
  - *If your multimeter indicates about 60 ohms*, then replace the left motor interface harness (13) and retest the system.
  - *If your multimeter indicates an open*, then replace the left brake assembly and retest the system.

## Flash Code #6 - Right Park Brake (or connection) Fault

### Symptom:

The System Status LED flashes six times and pauses. This sequence is repeated until the fault is cleared.

### Diagnosis:

There is a fault with the right motor brake or the right motor brake connection.

### Solution:

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

1. Remove the seat and foot platform. Refer to the power base owner's manual.
2. Remove the shroud. **See figure 11.**
3. Unfasten the electronics tray from the frame. **See figure 12.**
4. Unplug connector 14b from the power module (4). **See diagram 2.**
5. Measure resistance across pin 3 and pin 4 on connector 14b. **See figure 30.**
  - *If your multimeter indicates an open*, then go to the next step.
  - *If your multimeter indicates about 60 ohms*, then replace the power module (4) and retest the system.
6. Unplug connector 9a from connector 14a. **See diagram 2.**
7. Measure resistance across pin 3 (white) and pin 4 (white) on connector 9a. **See figure 31.**
  - *If your multimeter indicates about 60 ohms*, then replace the right power interface harness (14) and retest the system.
  - *If your multimeter indicates an open*, then replace the right brake assembly and retest the system.

## Flash Code #7 - Low Battery Fault

### Symptom:

The System Status LED flashes seven times and pauses. This sequence is repeated until the fault is cleared.

### Diagnosis:

Battery voltage has dropped below 22VDC.

### Solution:

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

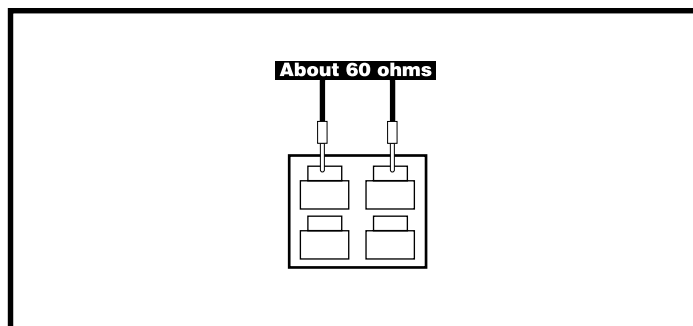


Figure 29. Connector 8a

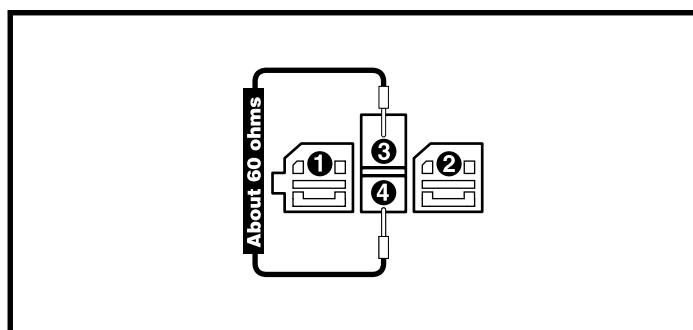


Figure 30. Connector 14b

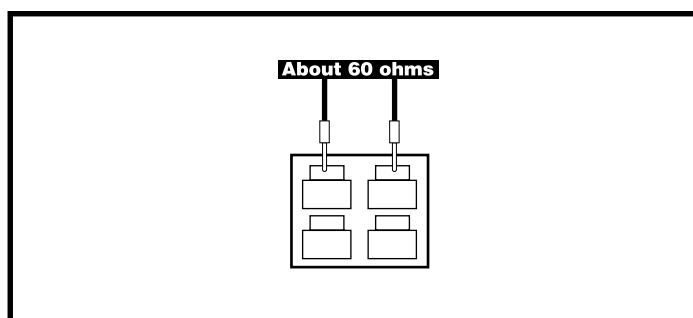


Figure 31. Connector 9a

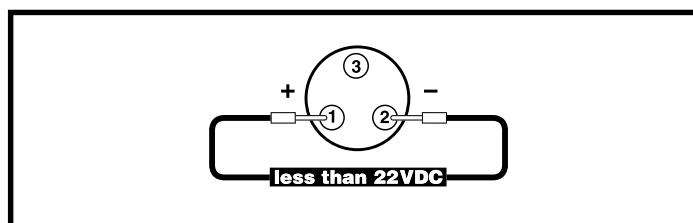
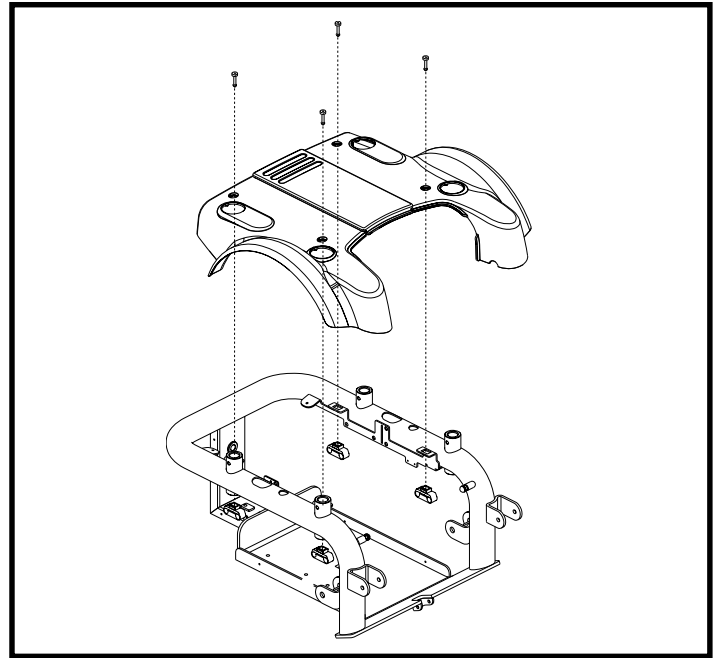
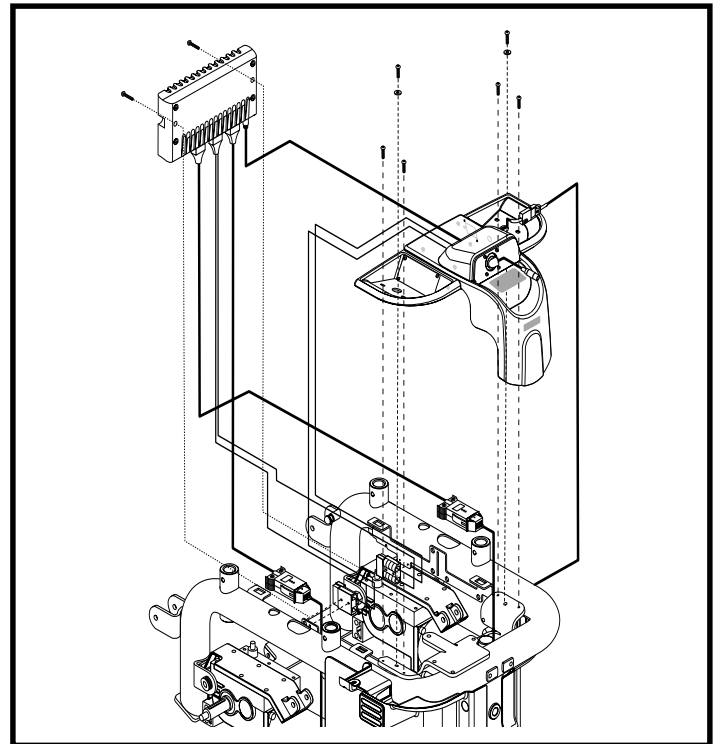


Figure 32. Connector 1a

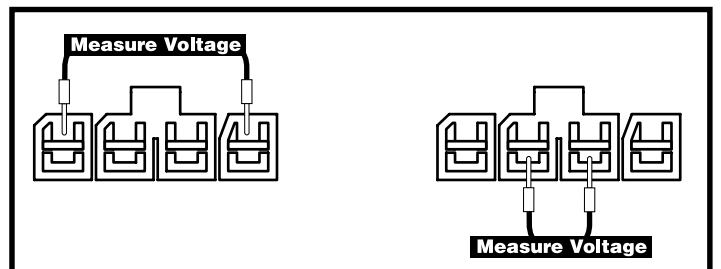
1. Measure voltage from pin 1 (B+) to pin 2 (B-) on the off-board charging socket (1a). **See figure 32.**
  - *If your multimeter indicates less than 22VDC, then go to the next step.*
  - *If your multimeter indicates more than 22VDC, then replace the power module (4) and retest the system.*
2. Remove the seat and foot platform assembly. Refer to the power base owner's manual.
3. Remove the shroud. **See figure 33.**
4. Measure voltage across connector 11b and connector 10c. **See diagram 2.**
  - *If your multimeter indicates 0VDC, then measure voltage across connector 11c and connector 10b. Compare your test result from the measurement taken in step 1.*
  - *If your multimeter indicates a higher voltage than in step 1 (by at least 0.2VDC), then go to the next step.*
  - *If your multimeter indicates about the same voltage (within 0.2VDC), then go to step 14.*
5. Unfasten the electronics tray from the frame. **See figure 34.**
6. Unplug connector 5f from the power module (4). **See diagram 2.**
7. Measure voltage across pin 1 and pin 4 and across pin 2 and pin 3 on connector 5f. **See figure 35.** Compare the voltage with the voltage from step 4.
  - *If your multimeter does not indicate the same voltage as in step 4, then go to the next step.*
  - *If your multimeter indicates the same voltage as the voltage in step 4, then replace the power module (4) and retest the system.*
8. Unplug connector 11a from connector 5b. **See diagram 2.**
9. Measure voltage across connector 11b and connector 11c.
10. Measure voltage across pin 1 and pin 2 on connector 11a. **See figure 36.**
  - *If your multimeter indicates the same voltage as measured in step 9, then go to the next step.*
  - *If your multimeter indicates a different voltage (by at least 0.2VDC), then replace the rear battery harness (11) and retest the system.*
11. Unplug connector 10a from connector 5a. **See diagram 2.**
12. Measure voltage across connector 10b and connector 10c. **See diagram 2.**
13. Measure voltage across pin 1 and pin 2 on connector 10a. **See figure 37.**
  - *If your multimeter indicates the same voltage as measured in step 9, then go to the next step.*
  - *If your multimeter indicates a different voltage (by at least 0.2VDC), then replace the front battery harness (10) and retest the system.*



**Figure 33. Jazzy 1121 Shroud Disassembly/Assembly**



**Figure 34. Jazzy 1121 Electronics Tray Disassembly/Assembly**



**Figure 35. Connector 5f**

14. Measure voltage across connector 11c and connector 10b.  
**See diagram 2.**
- *If your multimeter indicates 0VDC, then measure voltage across connector 11b and connector 10c and go to the next step.*

15. Plug the battery charger power cord into an electrical outlet and observe the battery voltage on the multimeter.



**PROHIBITED!** Never use an extension cord to plug in your battery charger. Plug the charger directly into a properly wired standard electrical outlet.



**PROHIBITED!** Removal of the grounding prong can create an electrical hazard. If necessary, properly install an approved 3-pronged adapter to an electrical outlet having 2-pronged plug access. Failure to heed could result in personal injury and or property damage.

- *If the voltage doesn't change, then go to the next step.*
- *If the voltage increases, then the batteries are charging. Charge the batteries until the ammeter drops back down to zero and retest the system.*
- *If the ammeter did not increase when the charger was plugged into the wall, but the battery voltage on the multimeter increased, then check the ammeter wiring polarity.*
- *If the ammeter wiring polarity is correct, then replace the ammeter (7f) and retest the system.*
- *If the ammeter wiring polarity is incorrect, then rewire the ammeter (7f) and retest the system.*

16. Unfasten the electronics tray from the frame. **See figure 34.**
17. Unplug connector 7b from connector 6a. **See diagram 2.**
18. Make sure the charger is still plugged into an electrical outlet and measure voltage across pin 1 and pin 3 on connector 6a. **See figure 38.**
- *If your multimeter indicates 0VDC or is outside the 25 — 30VDC range, then go to the next step.*
- *If your multimeter indicates 25 — 30VDC, then go to step 25.*

19. Unplug connector 12a from connector 6b. **See diagram 2.**

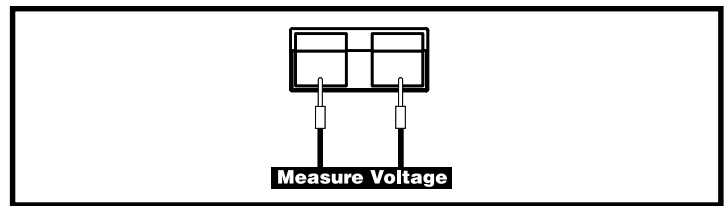
20. Measure AC voltage across pin 1 and pin 2 and across pin 1 and pin 3 on connector 12a. **See figure 39.**

- *If your multimeter does not indicate about 120VAC for both tests, then go to the next step.*
- *If your multimeter indicates about 120VAC for both tests, then replace onboard battery charger (6) and retest the system.*

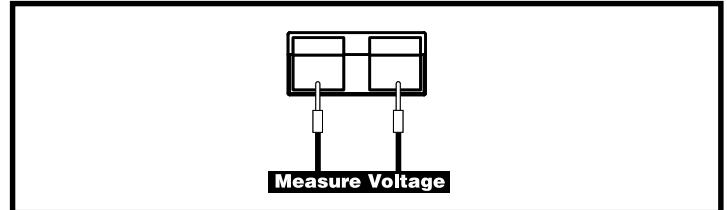
21. Unplug the charger power cord from the power chair.

22. Measure voltage across pin 1 and pin 2 and across pin 1 and pin 3 of the charger power cord connector. **See figure 40.**

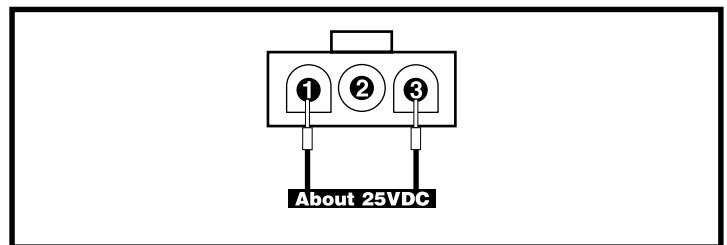
- *If your multimeter does not indicate about 120VAC for both tests, then go to the next step.*
- *If your multimeter indicates about 120VAC for both tests, then replace the charger power cord interface harness (12) and retest the system.*



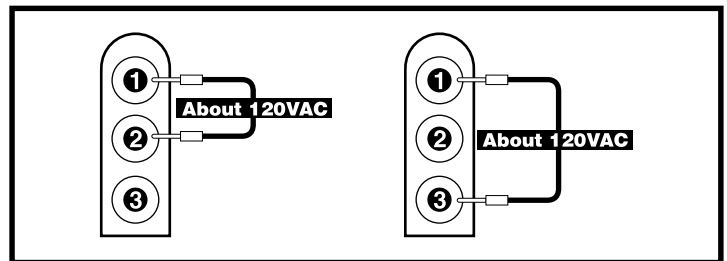
**Figure 36. Connector 11a**



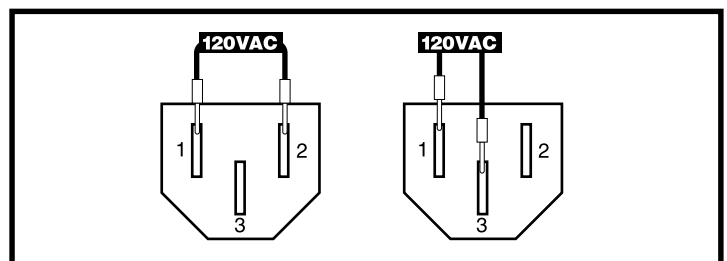
**Figure 37. Connector 10a**



**Figure 38. Connector 6a**



**Figure 39. Connector 12a**



**Figure 40. Charger Power Cord 3-pin Connector**

23. Unplug the charger power cord from the electrical outlet.
24. Measure voltage from pin 3 to pin 2 of the electrical outlet's 3-pin connector, then measure voltage from pin 1 to pin 3 of the electrical outlet's 3 pin connector. **See figure 41.**

- *If your multimeter does not indicate about 120VAC for both tests, then replace the charger power cord and retest the system.*
- *If your multimeter indicates about 120VAC for both tests, then try a different electrical outlet.*

25. Measure voltage across pin 1 and pin 3 on connector 7b. **See figure 42.**

- *If your multimeter indicates 0VDC, then go to the next step.*
- *If your multimeter indicates the same battery voltage as in step 3, then check the connector for corrosion, recessed pins, damaged pins, and replace as necessary.*

26. Unplug connector 7a from connector 3b.
27. Measure voltage across pin 1 and pin 3 on connector 3b. **See figure 43.**

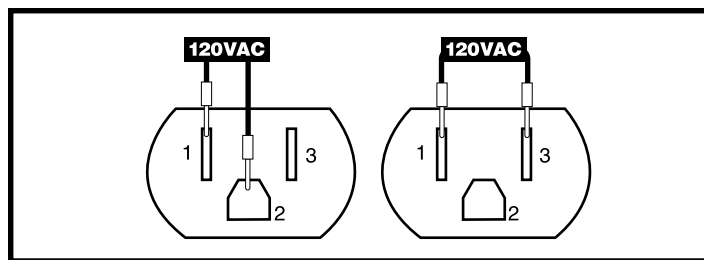
- *If your multimeter indicates the total battery voltage (as measured in step 3), then go to the next step.*
- *If your multimeter indicates 0VDC, then replace the charger/joystick interface harness (3) and retest the system.*

28. Remove the charger fuse (7c). **See diagram 2.**
  29. Measure resistance across the two blades on the charger fuse (7c.) **See figure 44.**
- *If your multimeter indicates less than 1 ohm, then go to the next step.*
  - *If your multimeter indicates an open, then replace the fuse (7c) and retest the system.*

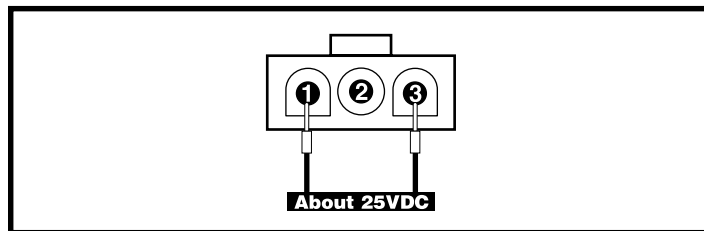


**WARNING!** The replacement fuse must exactly match the rating of the old fuse. Failure to use properly rated fuses may cause damage to the electrical system and may result in personal injury.

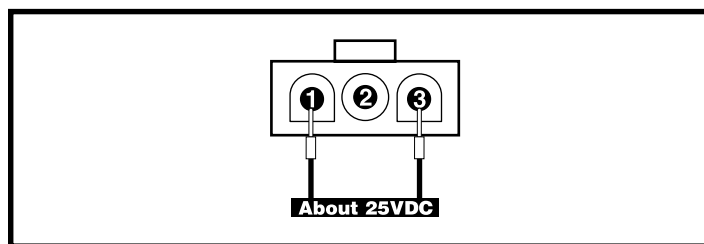
30. Verify that the charger interface harness (7) is connected to the fuse and ammeter correctly.
- *If the charger harness is wired correctly, then go to the next step.*
  - *If the charger harness is not wired correctly, then reconnect the fuse (7c) and the ammeter (7f) and retest the system.*
31. Measure resistance across the two ammeter terminals.
- *If your multimeter indicates less than 1 ohm, then replace the charger interface harness (7) and retest the system.*
  - *If your multimeter indicates an open, then replace the ammeter.*



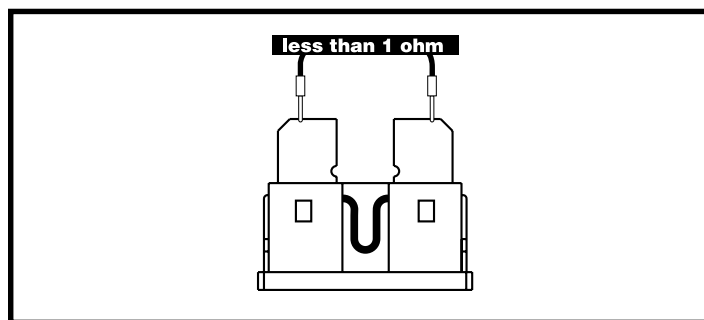
**Figure 41. Electrical outlet**



**Figure 42. Connector 7b**

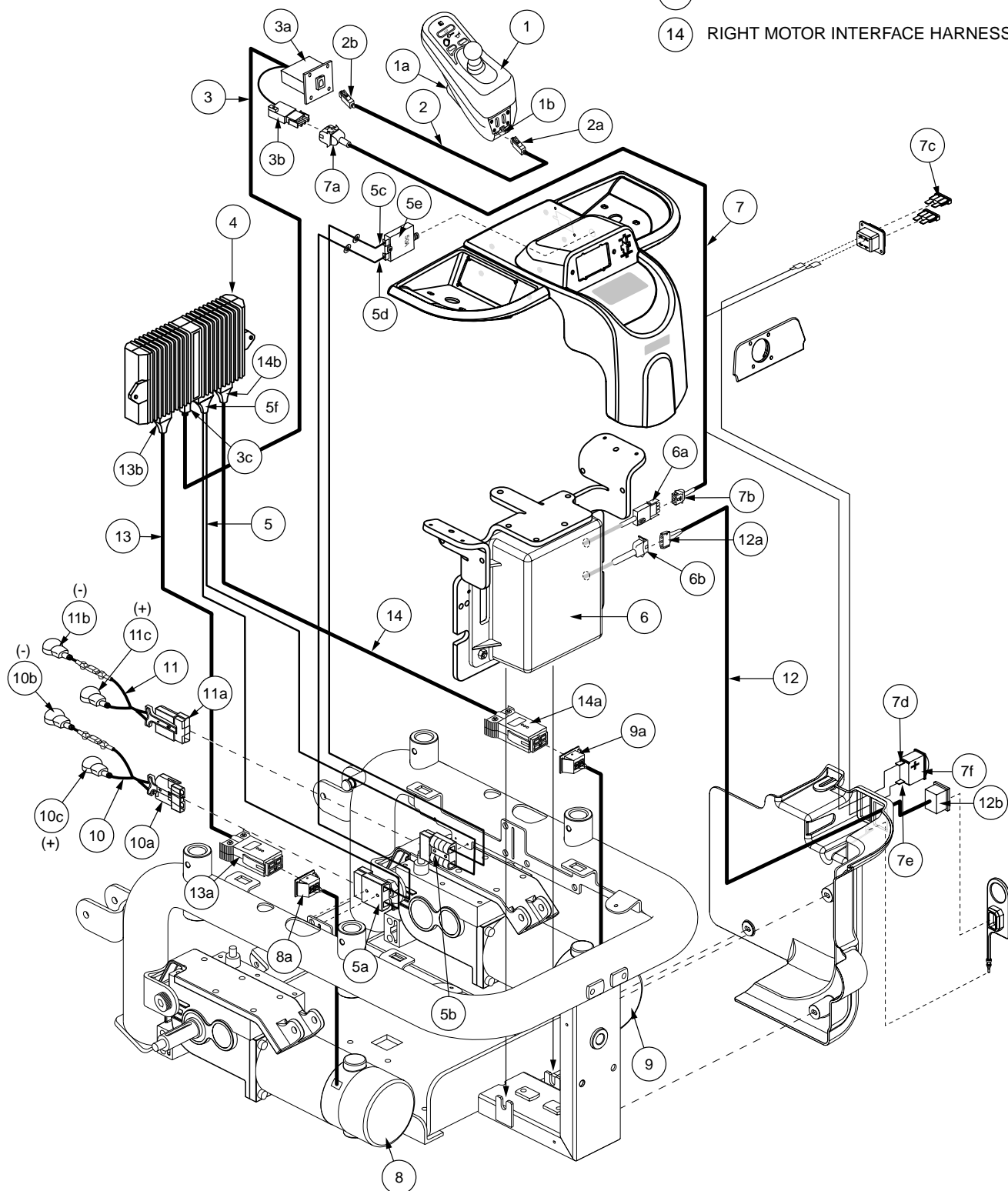


**Figure 43. Connector 3b**



**Figure 44. Charger Fuse 7c**

- |                                      |                             |   |
|--------------------------------------|-----------------------------|---|
| 1 JOYSTICK MODULE                    | 5 POWER INTERFACE HARNESS   | 9 RIGHT MOTOR                           |
| 2 DX BUS CABLE                       | 6 ONBOARD BATTERY CHARGER   | 10 FRONT BATTERY HARNESS                |
| 3 CHARGER/JOYSTICK INTERFACE HARNESS | 7 CHARGER INTERFACE HARNESS | 11 REAR BATTERY HARNESS                 |
| 4 POWER MODULE                       | 8 LEFT MOTOR                | 12 CHARGER POWER CORD INTERFACE HARNESS |
|                                      |                             | 13 LEFT MOTOR INTERFACE HARNESS         |
|                                      |                             | 14 RIGHT MOTOR INTERFACE HARNESS        |



**Diagram 2. Jazzy 1121 Europa Wiring Diagram - 3D**