

27. Measure resistance across pin 1 on connector 4a and pin 1 on connector 4c. **See diagram 1 and figure 9.**
28. Measure resistance across pin 2 on connector 4a and pin 2 on connector 4c. **See diagram 1 and figure 10.**
 - *If both multimeter measurements are less than 1 ohm, then go to the next step.*
 - *If either multimeter measurement indicates an open, then replace the power module (4) and retest the system.*
29. Unplug connector 2a from connector 1b. **See diagram 2.**
30. Measure resistance across pin 1 on connector 2a and pin 1 on connector 2b. **See figure 11.**
31. Measure resistance across pin 2 on connector 2a and pin 2 on connector 2b. **See figure 12.**
 - *If both multimeter measurements are less than 1 ohm, then replace the joystick module (1) and retest the system.*
 - *If either multimeter measurement indicates an open, then replace the redel cable (2) and retest the system.*

SECTION 2 - POWER IS ON BUT POWER CHAIR WILL NOT DRIVE

Symptoms:

- Battery condition meter LEDs light up.
- Power chair will not drive.
- There are no flash codes.
- The charger is not plugged into the electrical outlet.

Diagnosis:

There is an open in the charging/inhibit system.

Solution:

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

1. Plug the charger into an electrical outlet and observe the ammeter.
 - *If the ammeter moves, then go to the next step.*
 - *If the ammeter does not move, then go to **step 11**.*



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-prong adapter to an electrical outlet having 2-pronged plug access. Failure to heed could result in personal injury and or property damage.

2. Remove the seat and the foot platform assembly. Refer to the power base owner's manual.
3. Remove the shroud. **See figure 13.**
4. Unfasten the electronics tray from the frame. **See figure 14.**
5. Unplug connector 7b from connector 6a. **See diagram 2.**
6. Place a jumper into pin 1 and pin 2 on connector 7b, then try to operate the chair. **See figure 15.**
 - *If the chair does not operate, then go to the next step.*
 - *If the chair operates, then replace the onboard battery charger (6) and retest the system.*



WARNING! Never short or jumper the two outside pins of the charger interface harness (7). This could result in personal injury and/or damage to the equipment.

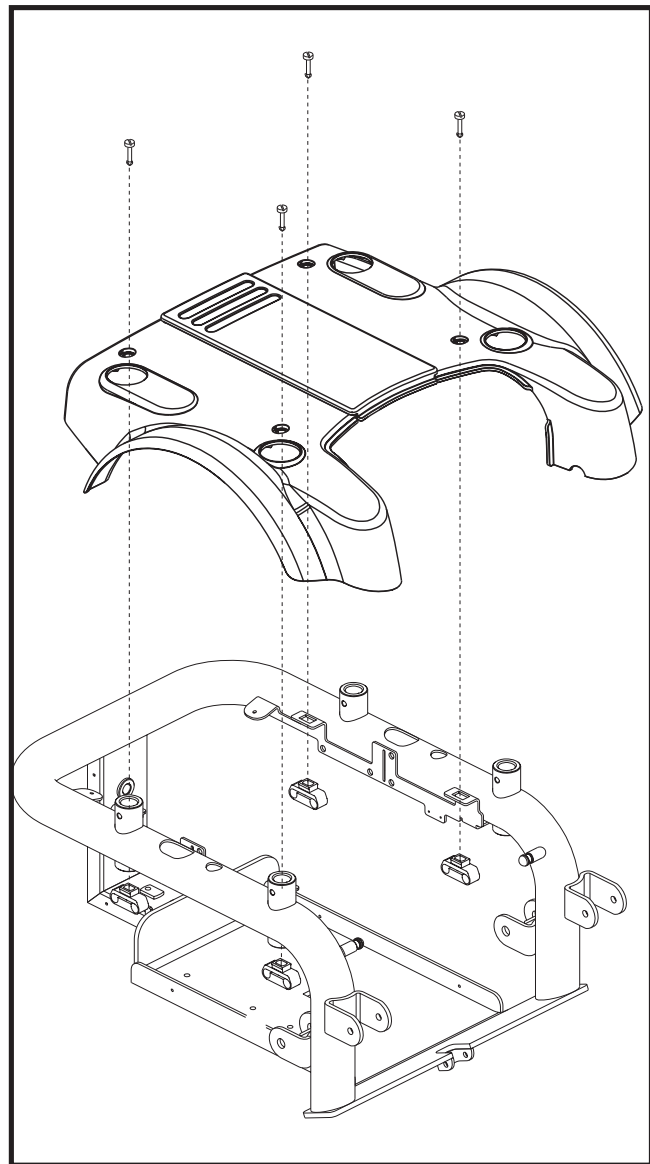


Figure 13. Jazzy 1121 Shroud Removal/Assembly

7. Unplug connector 7a from connector 3b. See diagram 2.
8. Place a jumper into pin 2 and pin 3 on connector 3b, then try to operate the chair. **See figure 16.**
 - *If the power chair does not operate*, then go to the next step.
 - *If the power chair operates*, then replace the charger interface harness (7) and retest the system.
9. Unplug connector 3c from the power module (4).
10. Measure resistance across pin 2 on connector 3b and pin 4 on connector 3a. **See diagram 2 and figure 17.**

NOTE: Be careful when placing the meter lead on pin 4. THIS LEAD IS VERY THIN.

- *If your multimeter indicates less than 1 ohm*, then replace the power module (4) and retest the system.
 - *If your multimeter indicates an open*, then replace the charger/joystick interface harness (3) and retest the system.
11. Unplug the charger from the electrical outlet, then immediately try to operate the chair.
 - *If the power chair does not operate*, then go to the next step.
 - *If the power chair operates*, then go to **step 19**.
 12. Remove the seat and the foot platform. Refer to the power base owner's manual.
 13. Remove the shroud. **See figure 13.**
 14. Unfasten the electronics tray from the frame. **See figure 14.**
 15. Unplug connector 7b from connector 6a. **See diagram 2.**
 16. Measure voltage across pin 1 and pin 3 on connector 7b. **See figure 18.**
 - *If your multimeter indicates total battery voltage (about 24VDC)*, then replace the onboard battery charger (6) and retest the system.
 - *If your multimeter indicates 0VDC*, then go to the next step.
 17. Unplug connector 7a from connector 3b. **See diagram 2.**
 18. Measure resistance across pin 1 on connector 7a and pin 1 on 7b. **See figure 19.**
 - *If your multimeter indicates less than 1 ohm*, then replace the charger/joystick interface harness (3) and retest the system.
 - *If your multimeter indicates an open*, then replace the charger interface harness (7) and retest the system.
 19. Remove the charger fuse (7c). **See diagram 2.**

NOTE: This is the top fuse, the bottom fuse is a spare.

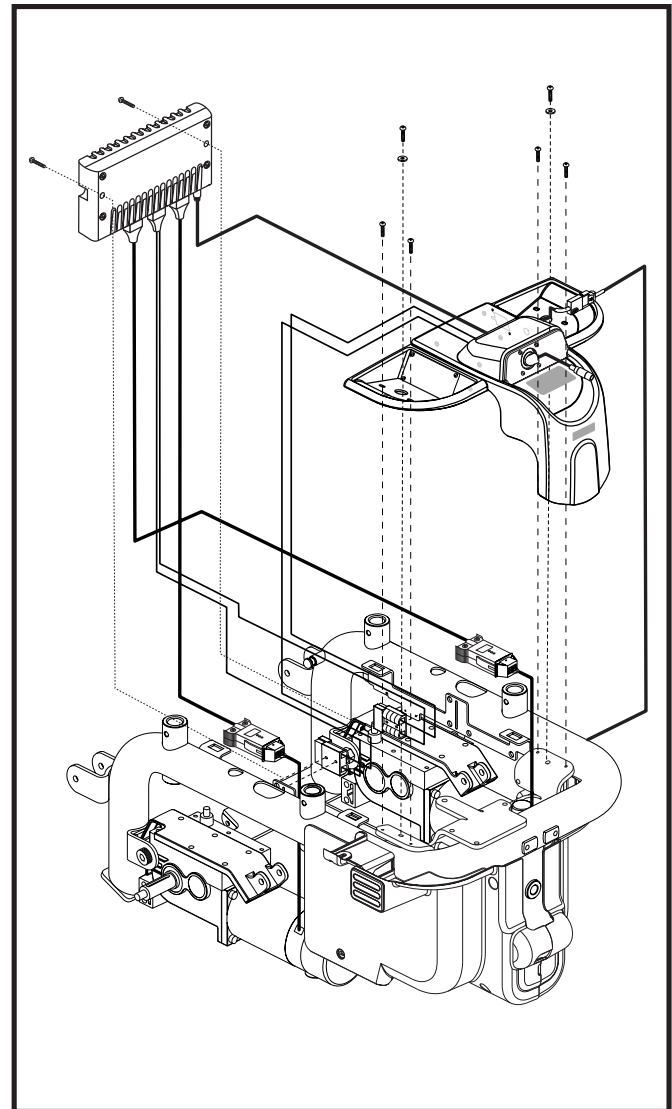


Figure 14. Electronics Tray Removal/Assembly

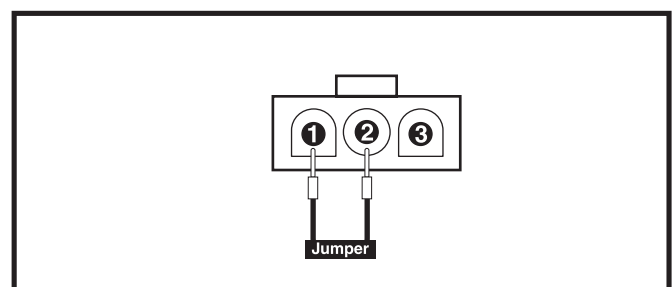


Figure 15. Connector 7b - Jumpered

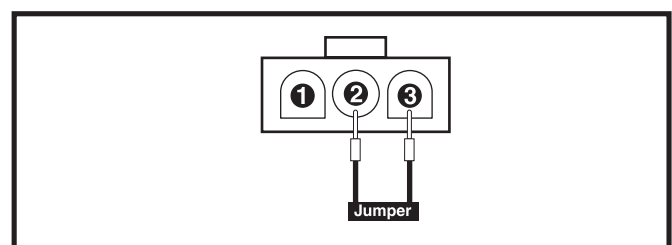


Figure 16. Connector 3b - Jumpered

20. Measure resistance across the two fuse blades. **See figure 20.**
 - 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.

21. Put the charger fuse (7c) back into the power base.
22. Remove the seat and foot platform assembly. Refer to the power base owner's manual.
23. Remove the shroud. **See figure 13.**
24. Unfasten the electronics tray from the frame. **See figure 14.**
25. Unplug connector 7b from connector 6a. **See diagram 2.**
26. Measure voltage across pin 1 and pin 3 on connector 7b. **See figure 21.**
 - If your multimeter indicates total battery voltage (about 24VDC), then replace the onboard battery charger (6) and retest the system.
 - If your multimeter indicates 0VDC, then go to the next step.
27. Unplug connector 7a from connector 3b. **See diagram 2.**
28. Measure resistance across pin 3 on connector 7a and pin 3 on connector 7b. **See figure 22.**
 - If your multimeter indicates less than 1 ohm, then replace the charger/joystick interface harness (3) and retest the system.
 - If your multimeter indicates an open, then go to the next step.
29. Verify that the charger harness (7) is connected to the fuse (7c) and ammeter (7f) properly.
 - If they are connected properly, then go to the next step.
 - If they are not connected properly, then reconnect properly and retest the system.
30. Measure resistance across the two terminals on the ammeter.
 - 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 (7f) and retest the system.

NOTE: When replacing the ammeter, make sure that the positive (+) and negative (-) wires are connected correctly.

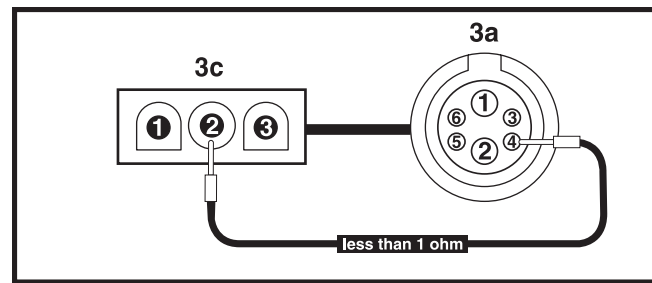


Figure 17. Connectors 3b and 3a

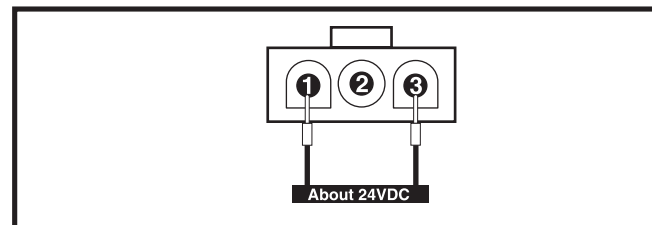


Figure 18. Connector 7b

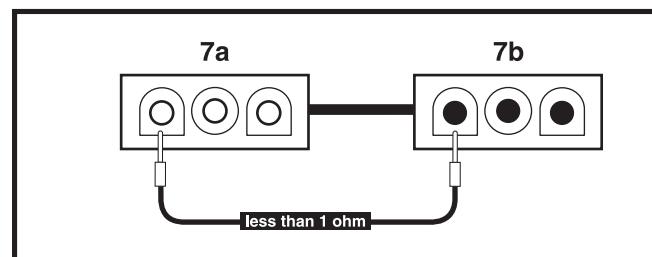


Figure 19. Connectors 7a and 7b

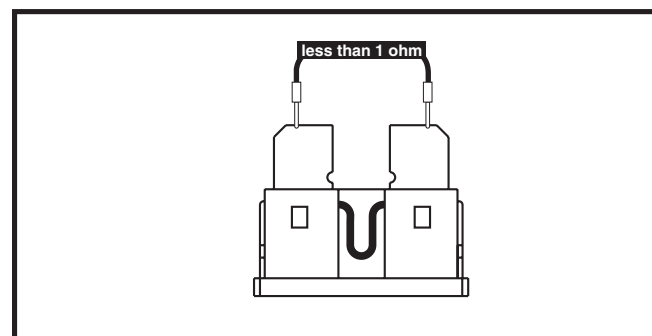


Figure 20. Fuse 7c

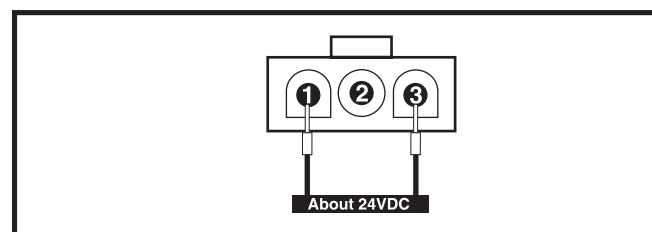


Figure 21. Connector 7b

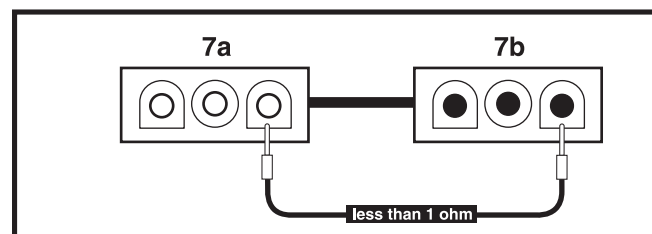


Figure 22. Connectors 7a and 7b

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

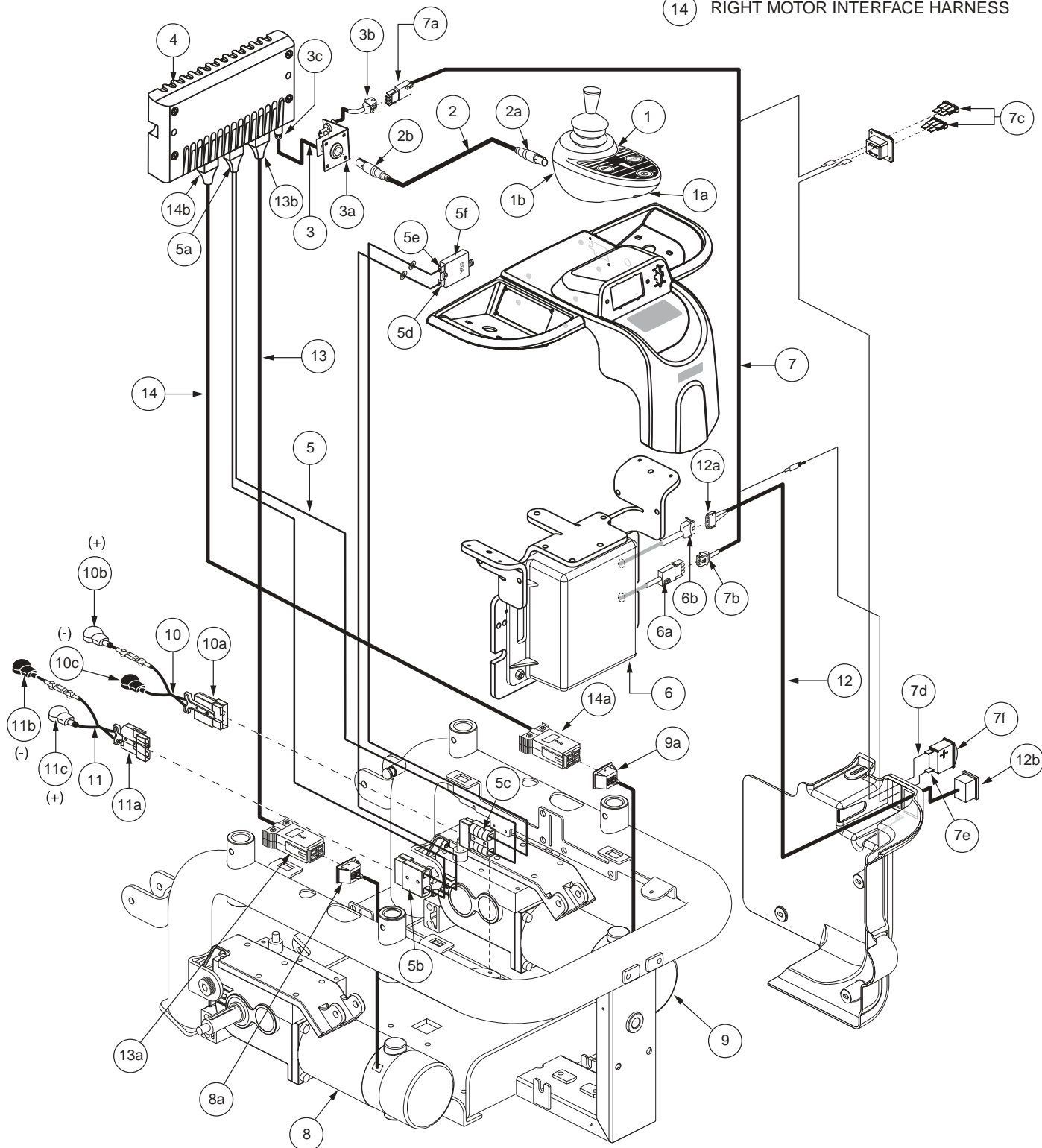


Diagram 2. Jazzy 1121 with Remote Plus Wiring Diagram 3D