SECTION 2 - STEADY FLASH OF SPEED LED(S)

Symptom:
There is a steady flash of speed LED(s).

Diagnosis:
This is an indication of the "LOW ENABLE, NO DRIVE AWAY" feature on the VSI controller. It keeps the power chair from driving while the onboard battery charger (4) is plugged into a electrical outlet.

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

1. Unplug connector 1b from connector 3a. **See diagram 2.**
2. Measure voltage across pin 1 and pin 3 on connector 1b. **See figure 8.**

— *If your multimeter indicates total battery voltage (about 25VDC),* then go to the next step.
— *If your multimeter indicates 0VDC,* then replace the VSI controller (1) and retest the system.

3. Place a jumper across pin 2 and pin 3 on connector 1b. **See figure 9.**

— *If the speed LED(s) stop flashing and remain on and the Jazzy 1121 runs,* then plug connector 1b back into connector 3a and go to the next step.
— *If the speed LED(s) continue to flash,* then replace the VSI controller (1) and retest the system.

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

4. Plug connector 1b back into connector 3a and plug the battery charger into an electrical outlet (make sure the outlet is live and the power cord is good).
5. Observe the ammeter (3c).

— *If the ammeter moves,* then go to the next step.
— *If the ammeter does not move,* **then go to step 10.**

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.

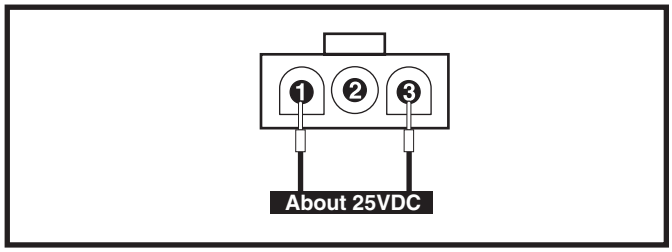

Figure 8. Connector 1b

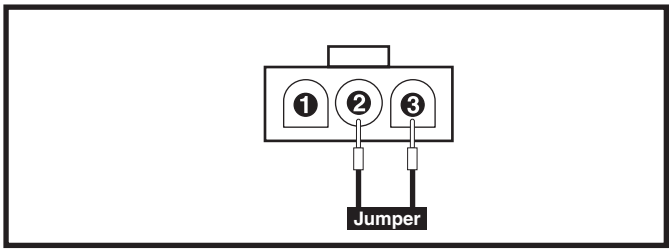

Figure 9. Connector 1b - Jumpered

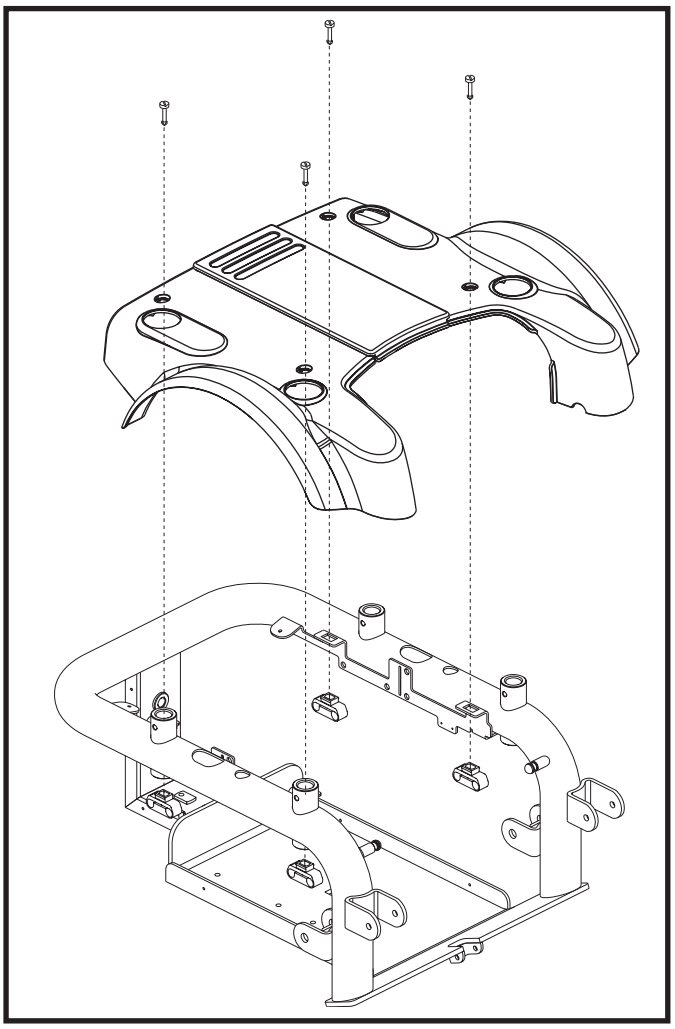

Figure 10. Jazzy 1121 Shroud Assembly/Disassembly

6. Remove the seat and the foot platform assembly. Refer to the power base owner's manual.
7. Unplug the battery charger from the electrical outlet and remove the shroud. **See figure 10.**
8. Unplug connector 3b from connector 4b. **See diagram 2.**
9. Place a jumper across pin 1 and pin 2 on connector 3b. **See figure 11.**

— *If the Jazzy 1121 operates,* then replace the battery charger (4) and retest the system.
— *If the Jazzy 1121 does not operate,* then replace the charger/inhibit harness (3) and retest the system.

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

10. Unplug the battery charger from the electrical outlet, while observing the speed LED(s).
— *If the speed LED(s) continue to flash,* then go to the next step.
— *If the speed LED(s) stop flashing and remain on, and the chair runs,* **then go to step 15.**

11. Remove the seat and the foot platform assembly. Refer to the power base owner's manual.
12. Remove the shroud. **See figure 10.**
13. Unplug connector 3b from connector 4b. **See diagram 2.**
14. Measure voltage across pin 1 and pin 3 on connector 3b. **See figure 12.**
— *If your multimeter indicates total battery voltage (about 25VDC),* then replace the battery charger (4) and retest the system.
— *If your multimeter indicates 0VDC,* then replace the charger/inhibit harness (3) and retest the system.

15. Remove the charger fuse (3d - This is the top fuse, the bottom fuse is a spare).
16. Measure resistance across the two blades on the fuse (3d). **See figure 13.**
— *If your multimeter indicates less than 1 ohm,* then put the fuse back into the fuse holder and go to the next step.
— *If your multimeter indicates an open,* then replace the fuse (3d) and retest the system.

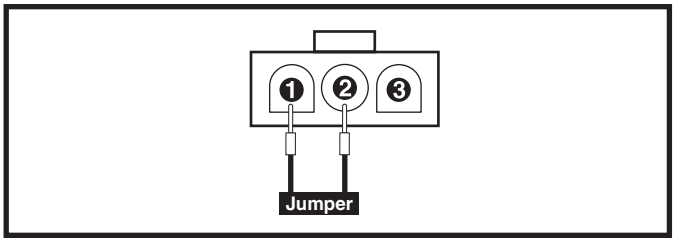

Figure 11. Connector 3b

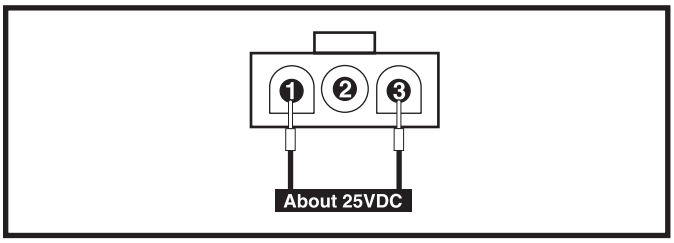

Figure 12. Connector 3b

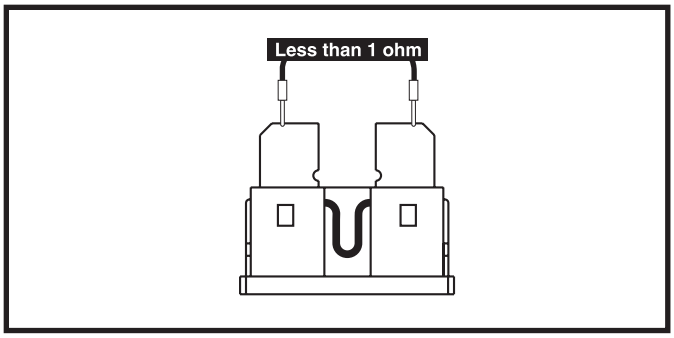

Figure 13. Fuse 3d

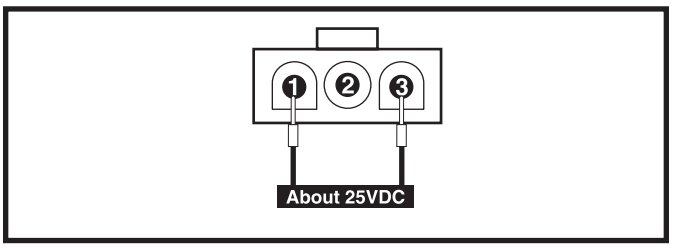

Figure 14. Connector 3b

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.

17. Remove the seat and foot platform assembly. Refer to the power base owner's manual.
18. Remove the shroud. **See figure 10.**
19. Unplug connector 3b from connector 4b. **See diagram 2.**
20. Measure voltage across pin 1 and pin 3 on connector 3b. **See figure 14.**
— *If your multimeter indicates 0VDC,* then go to the next step.
— *If your multimeter indicates total battery voltage (about 25VDC),* then replace the battery charger (4) and retest the system.

21. Verify that the charger/inhibit harness (3) is connected to the fuse (3d) and the ammeter (3c) properly.
— *If the charger/inhibit harness is connected properly,* then go to the next step.
— *If the charger/inhibit harness is not connected properly,* then reconnect and retest the system.

22. Measure resistance across the two terminals on the ammeter (3c).
— *If your multimeter indicates less than 1 ohm,* then replace the charger/inhibit harness (3) and retest the system.
— *If your multimeter indicates an open,* then replace the ammeter (3c) and retest the system.