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|---|--|---|-----------------------|----|-----------------|
| 1 | Q-LOGIC JOYSTICK | 5 | BATTERY CABLE | 9 | LEFT MOTOR |
| 2 | POWER MODULE | 6 | FRONT BATTERY HARNESS | 10 | CIRCUIT BREAKER |
| 3 | BUS CABLE | 7 | REAR BATTERY HARNESS | 11 | RUN PLUG |
| 4 | POWER TAKE-OFF/INHIBIT HARNESS
(OR 14-PIN RUN PLUG) | 8 | RIGHT MOTOR | | |

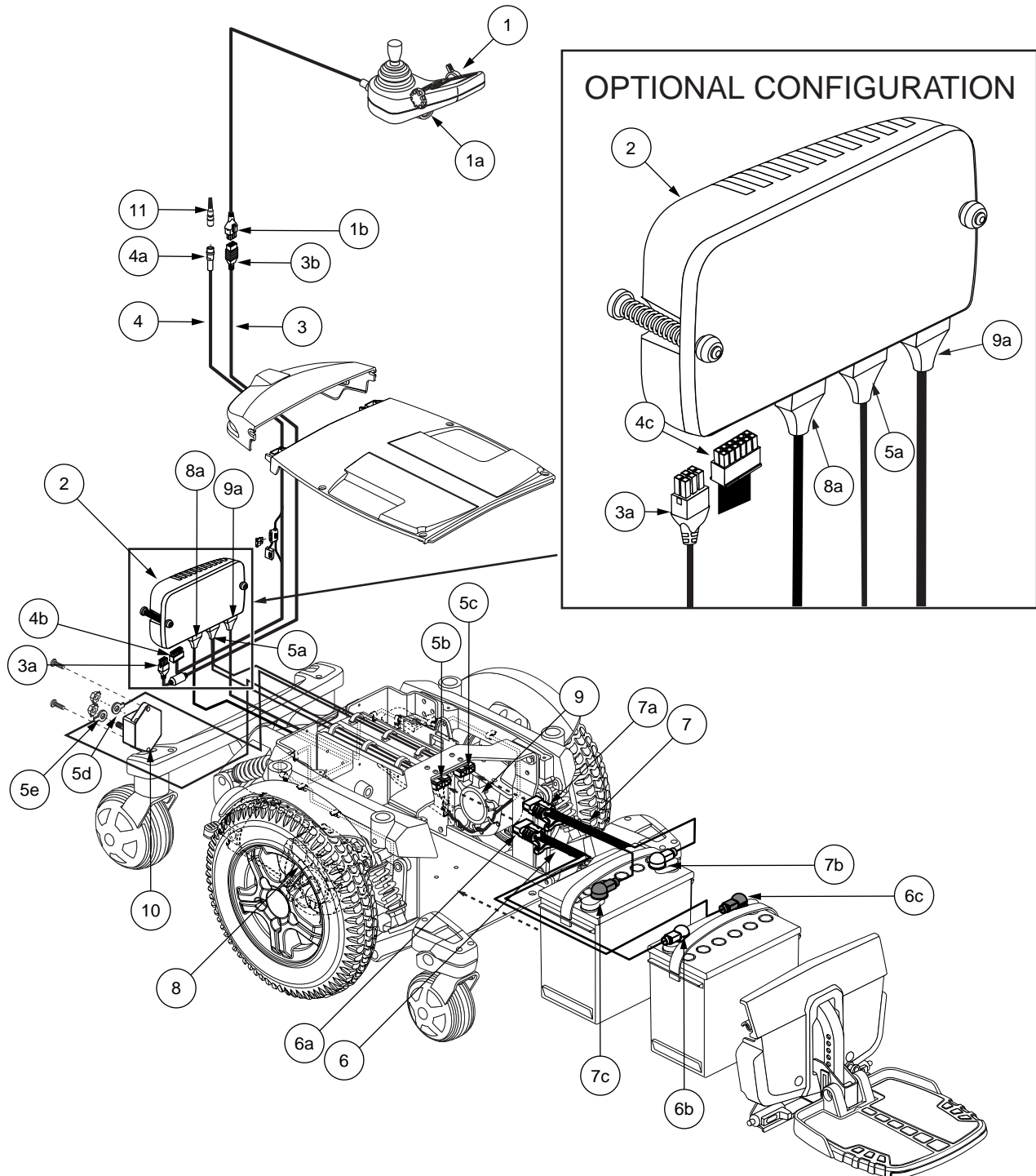


Diagram 1. Quantum 6000 Q-Logic Troubleshooting Key

1. Check that all of the bus cables and communication devices are connected correctly. **See diagram 3.**
2. Measure resistance on the bus cables. **See figure 16.**
 - *If your multimeter indicates an open for any of the measurements, then replace the bus cable (3) and retest the system.*
 - *If your multimeter indicates less than 1 ohm for all of the measurements, then go to the next step.*
3. If your power chair is equipped with multiple input devices, then there will be a splitter or multiplier on the bus line.
 - *If there is no splitter or multiplier, then contact Quantum Technical Service for further troubleshooting help.*
 - *If there is a splitter or multiplier on the bus line, then go to the next step.*
4. Measure resistance on the splitter bus cables. **See figure 17.**
 - *If your multimeter indicates an open for any of the measurements, then replace the splitter or multiplier and retest the system.*
 - *If your multimeter indicates less than 1 ohm for all of the measurements, then contact Quantum Technical Service for further troubleshooting help.*

POWER MODULE ERROR

Symptoms:

- The batteries are fully charged.
- All electrical components are connected correctly.
- The power turns on but displays fault code when the on/off key is deflected.

Diagnosis:

There is a module fault in the system.

Solution:

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

NOTE: *If a right or left motor fault is displayed on joystick, then refer to page 13. If a solenoid brake fault is displayed, then refer to page 14.*

1. Check that all of the bus connections are correct. **See diagram 3.**
2. Measure resistance on the bus cables. **See figure 16.**
 - *If your multimeter indicates an open for any of the measurements, then replace the bus cable (3) and retest the system.*