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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 | |

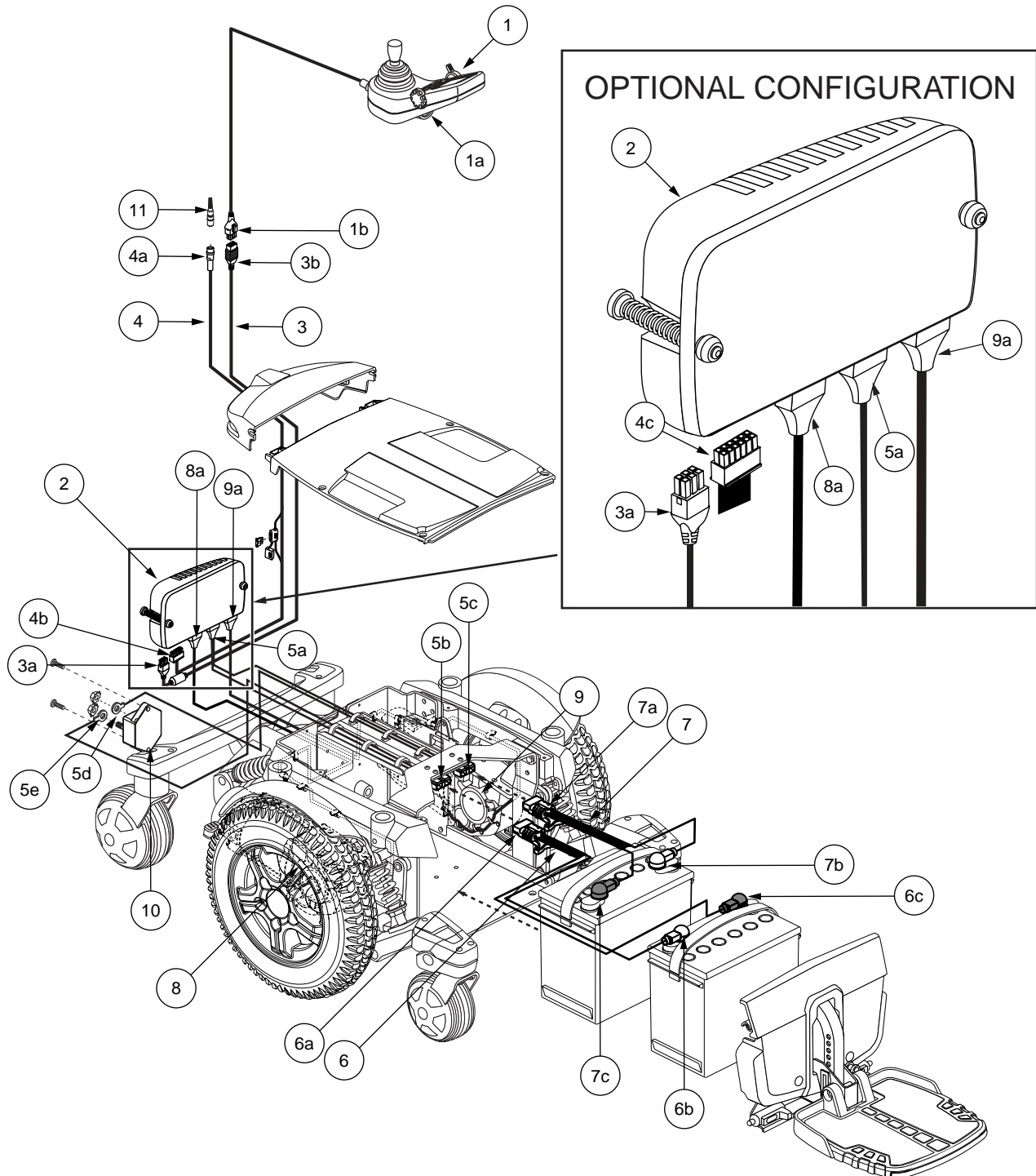


Diagram 1. Quantum 6000 Q-Logic Troubleshooting Key

TROUBLESHOOTING ADDENDUM

SOFTWARE ERROR

Symptoms:

- The batteries are fully charged.
- All electrical components are connected correctly.
- The power turns on but displays a 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:

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.
 - 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, 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 or multiplier 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 go to the next step.
5. Contact Quantum Technical Service for further troubleshooting.

JOYSTICK ERROR

Symptoms:

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

Diagnosis:

There is an input communication error.

Solution:

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

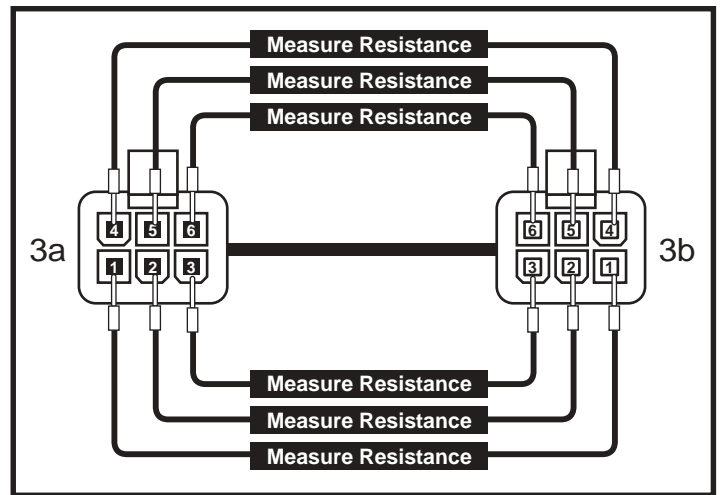


Figure 16. Bus Cables (3)

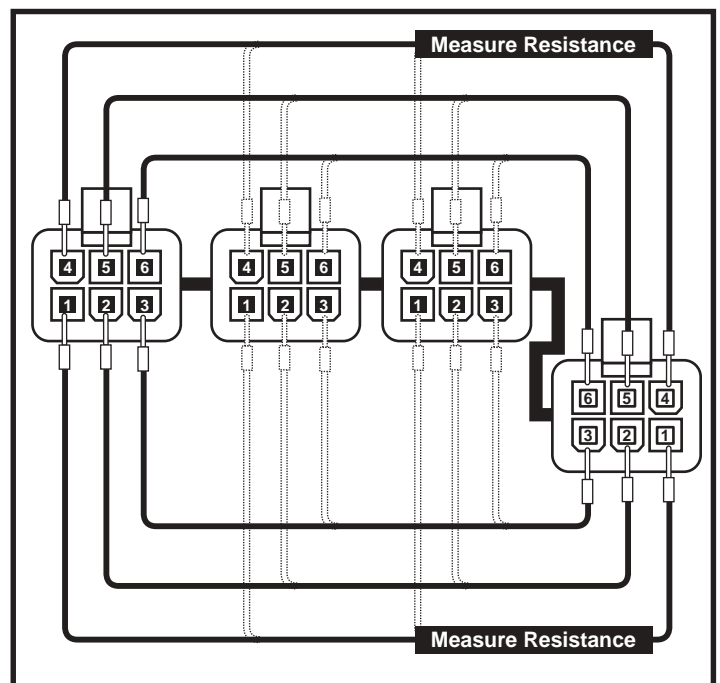


Figure 17. Splitter or Multiplier Bus Cables