

Situation 3

Drives at 1/4 speed

PG Remote Plus Through Toggle

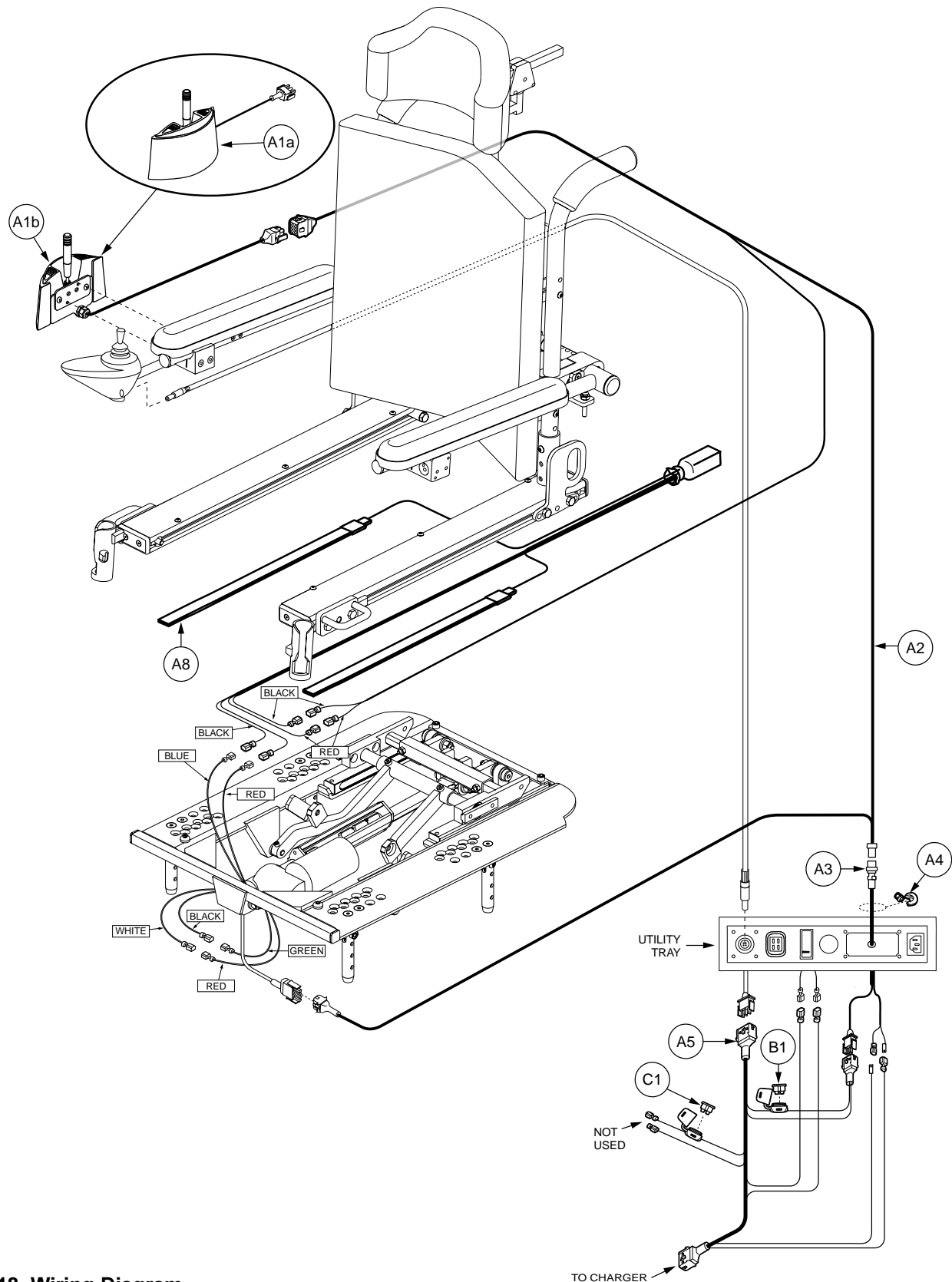


Figure 4.118. Wiring Diagram

Before you get started, be sure the tilt system is in the lowest position. Push the toggle switch forward. The actuator motor will spin and the seating system will tilt down.

Locate the power indicator bars on the remote plus joystick. If any of the bars are flashing, this indicates a fault in the power base. See figure 4.119.



If any of the bars are flashing, refer to the Power Chair Diagnostic section to correct the fault. If no bars are flashing, proceed to the next step.

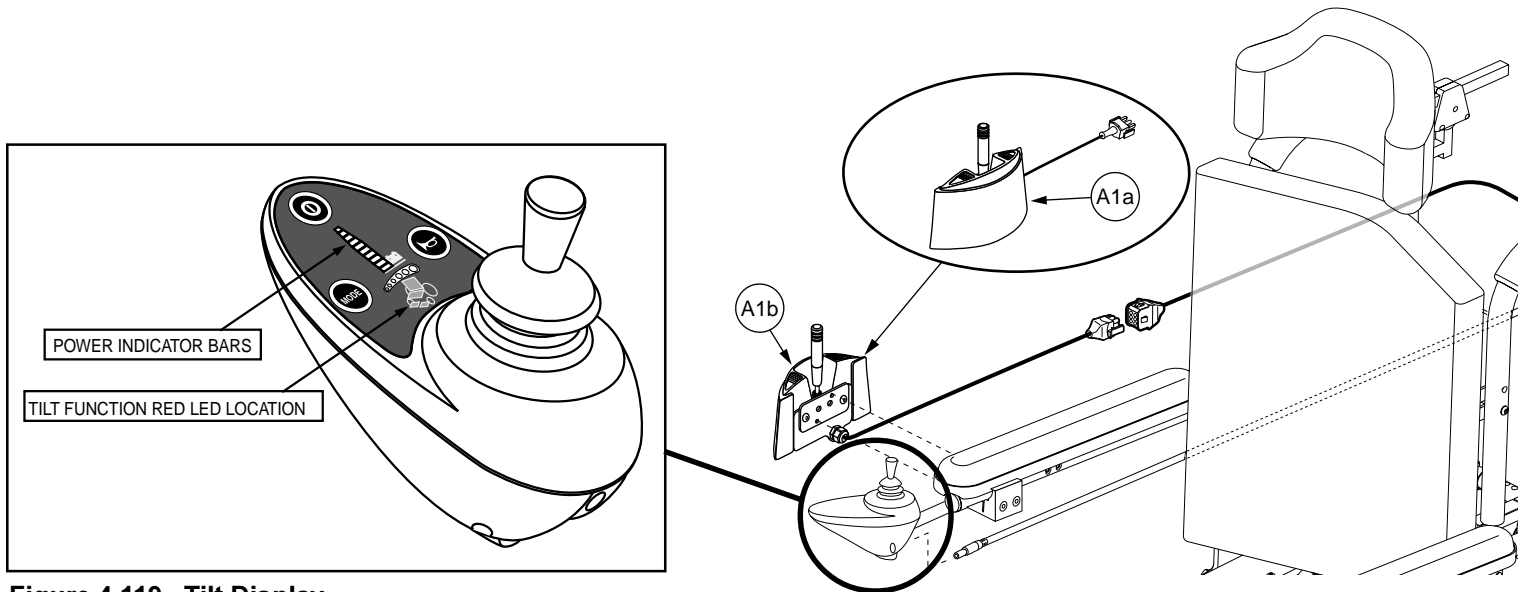


Figure 4.119. Tilt Display

Locate the round 4-pin connector of the harness (A2) and set the meter to 200k ohms resistance scale. Take a resistance reading from one male pin of the round 4-pin connector to the other male pin of the round 4-pin connector. With the tilt in the full down position, there should be continuity of less than one ohm. See figure 4.120.

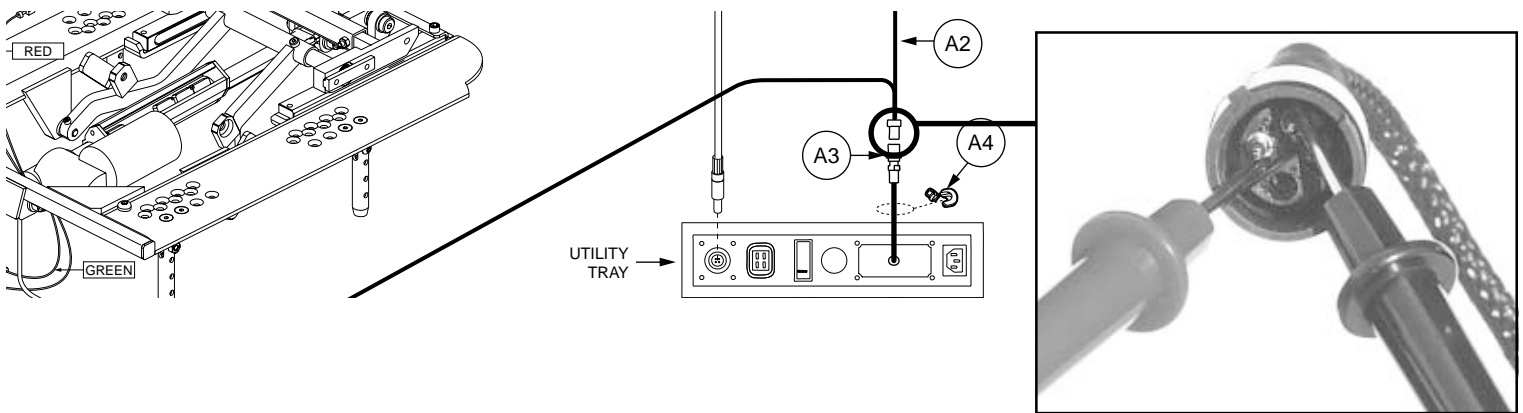


Figure 4.120. Harness Connector Test

The meter reads _____ ohms



You will most likely read approximately 100k ohms, this is what causes the power chair to run at 1/4 speed.



If the meter reads continuity, reconnect the harness (A2) to the harness (A3). If the unit still only drive at 1/4 speed, look for damage or corrosion on the pins. If the meter reads approximately 100k ohms, proceed to the next step.

Locate the 4-pin connector that comes from the actuator and connects to the harness (A2). Disconnect the two connectors. On the actuator side of the flat 4-pin connector, measure resistance from one outside pin to the pin next to it, and from the other outside pin to the pin next to it. The reading should indicate continuity for each test. See figure 4.121.

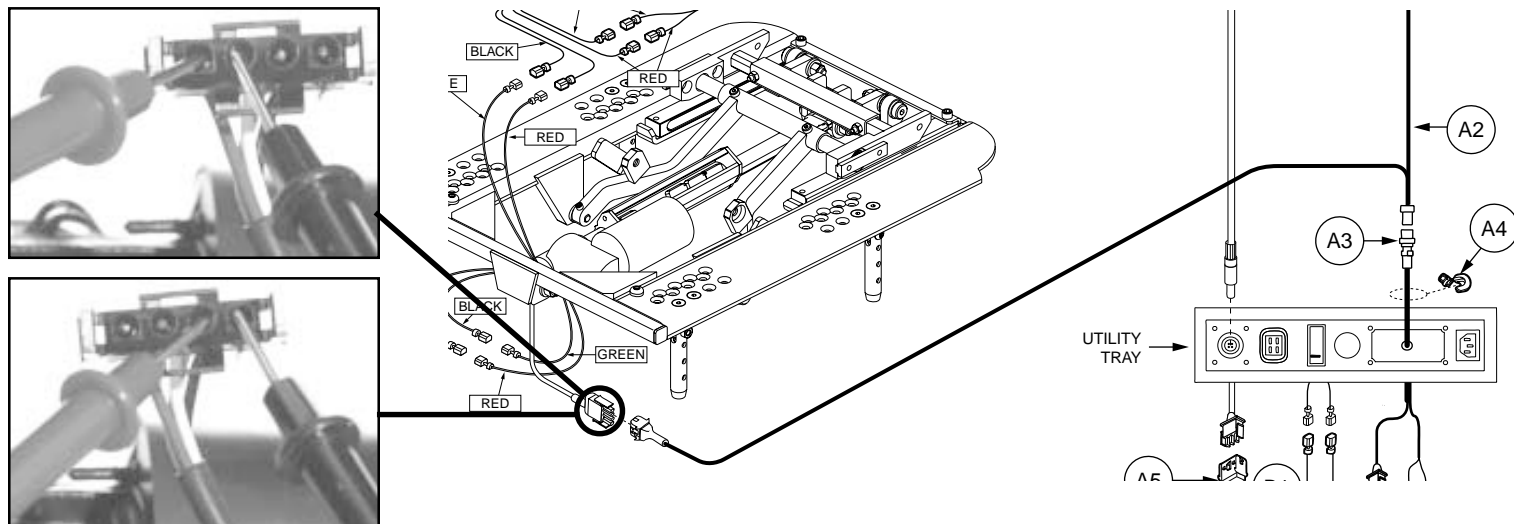


Figure 4.121. Actuator Connector Test

The meter reads _____ ohms

The meter reads _____ ohms



If continuity is not present, replace the actuator. If continuity is present check the connection from the actuator to the harness (A2). Look for corrosion or damage to the pins. Reconnect the actuator to the harness (A2) and retest.

Notes: