

Diagram 1. TRU-Balance 2 Power Tilt Troubleshooting Key

SECTION 3 - SEATING SYSTEM WILL NOT TILT

Symptoms:

- The batteries are fully charged.
- All electrical components are connected correctly.
- The seat icons appear on the joystick display, but the unit does not tilt. **See figure 7.**
- No error code is displayed.

Diagnosis:

There is an interruption between the AAM (5) and the seat actuator (6).

Solution:

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

1. Unplug 8a from connector 5c on the AAM. Try to tilt the chair. **See figure 8.**
 - *If the chair tilts*, plug 8a back into the AAM and go to the next step.
 - *If the chair does not tilt*, go to step 4.
2. Unplug connector 9a from 8b and try to tilt the chair. **See diagram 1.**
 - *If the chair tilts*, replace the left anti-pinch switch (9).
 - *If the chair does not tilt*, go to the next step.
3. Unplug connector 10a from 8c and try to tilt the chair. **See diagram 1.**
 - *If the chair tilts*, replace the right anti-pinch switch (10).
 - *If the chair does not tilt*, replace the anti-pinch “Y” harness (8).
4. Unplug connector 6a from connector 5d on the AAM (5). **See diagram 3 and figure 8.**
5. Plug connector 6a into connector 7A of the service panel. **See diagram 1 and figure 9.**
6. Refer to Section 4 to power up service panel.

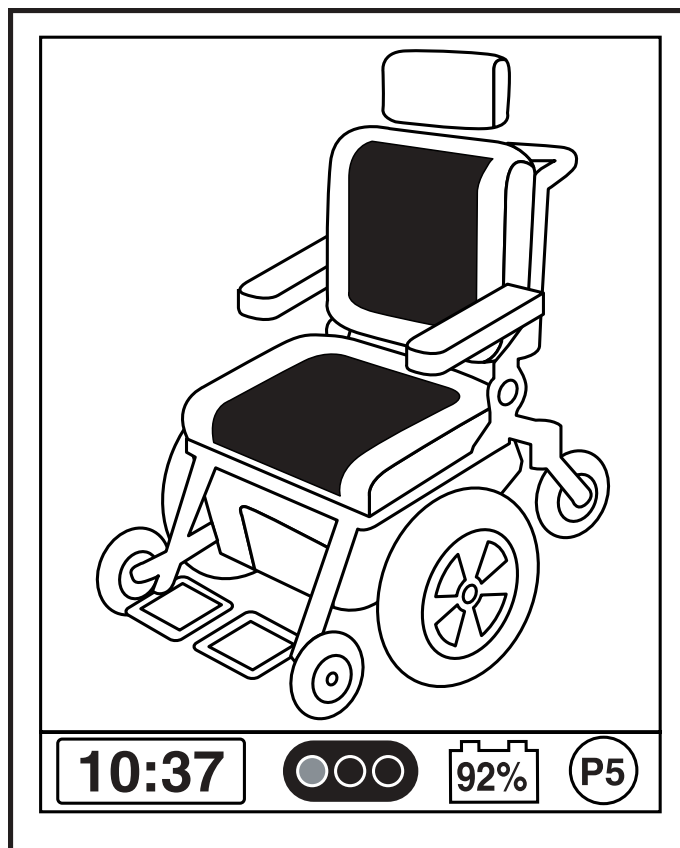


Figure 7. Q-Logic Joystick of Seat Icon/Display

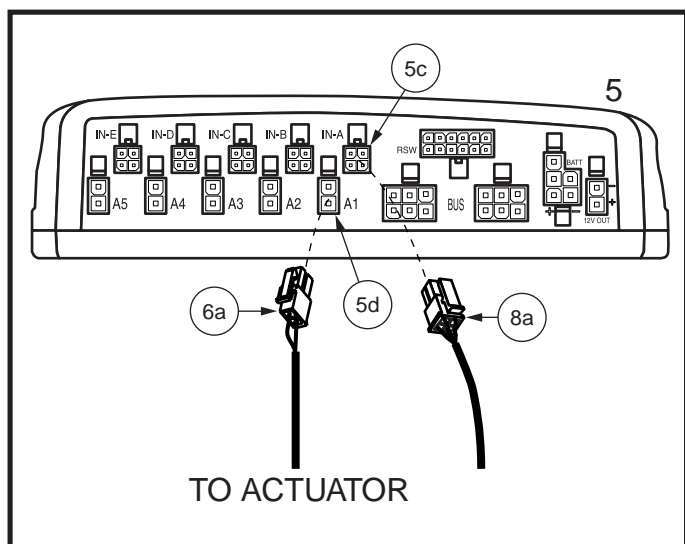


Figure 8. Connector 6a and AAM

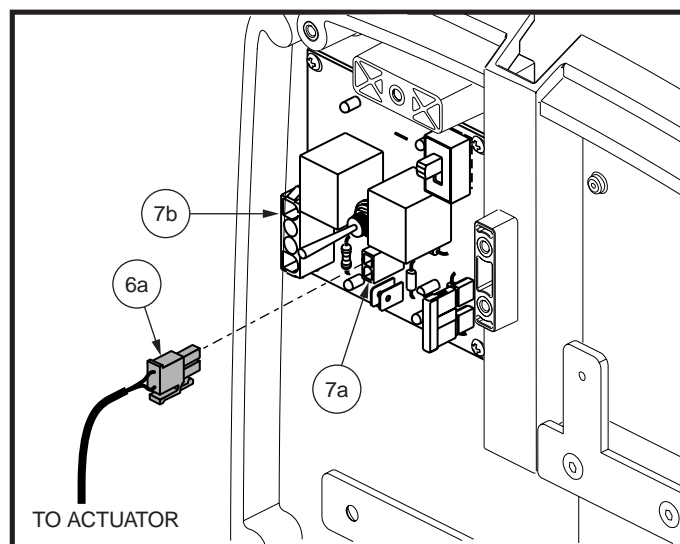


Figure 9. Service Panel

7. Deflect the toggle switch on the service panel. Observe the LEDs under the toggle switch and actuator for movement. **See figure 10.**
 - If the LEDs under the toggle switch light (depending on the deflection of the switch), and the actuator does not function, then replace the actuator (6) and retest the system. **See figure 10.**
 - If the actuator does function, then replace the AAM (5) and retest the system.

SECTION 4 - SERVICE PANEL OVERVIEW

The TRU-Balance 2 Power Tilt is equipped with a service panel for troubleshooting purposes. Two harnesses are included with the service panel and are stored in a pouch located in the power pod at the rear of the seating system. **See figure 10.**

The harnesses are to be used as follows:

- Power/Interface Harness - Supplies power to the service panel and interfaces inhibit bypass to the power base
- Auxiliary Power Harness - Supplies power to the service panel power/interface harness from an external battery or batteries.

NOTE: The service panel is for troubleshooting purposes only and does not affect the day-to-day operation of the power chair or seating system.

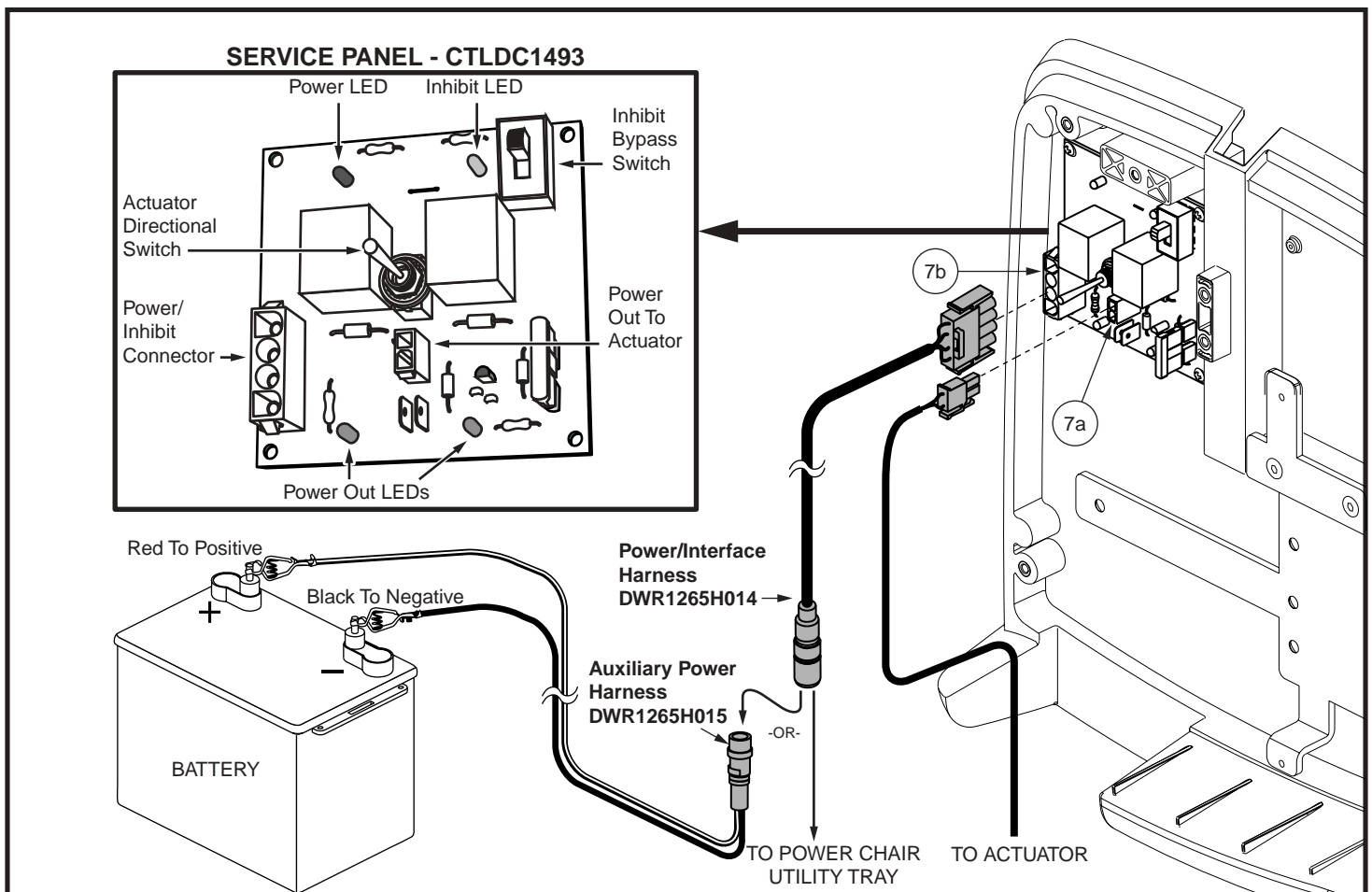


Figure 10. Service Panel Overview

In order to power up the service panel, plug the power interface harness's flat 4-pin connector into the 4-pin power inhibit connector (7b) of the service panel. Then plug the power interface harness's round 4-pin connector into the round 4-pin connector (4a) coming from the utility tray of the power chair. If the power LED does not light, plug the power interface harness's 4-pin connector into the auxiliary power harness and attach the two alligator clamps to charged 12-volt battery.