

## INSTALLATION INSTRUCTIONS

( pinch emptier, power chair )

(24V -> 12V)

*Please Read Before Starting !!!*

It has been our experience that each installation is in some way unique. Please consider this set of instructions to be a general guide, some deviation will be necessary to meet your individual situation. We **strongly recommend** having the battery hook-up completed by a person with electrical experience.

### MAIN HARNESS

1. -This harness has 3 connectors and mounts to the chair frame under the seat on the same side the emptier will be positioned. This harness contains a special circuit board encased in shrink tubing midway along its length.  
-The correct placement will have the single connector at the front of the chair. Secure the wires to the frame using the plastic ties. Take care to avoid pinching the wires, or crushing the special circuit board, between chair parts. Allow enough slack for any tilt chair features.

**SWITCH BOX** The switch box is usually mounted on the side of the joystick box.

1. ( 2 Button ) -Find the most comfortable position for the user.  
-Apply the Velcro strip to the switch box.  
-Remove the protective sheet from the second side and press the box into place.  
-Depending on the manufacture of the chair, it may be necessary to add shims or otherwise add stability to the switch box.
2. ( 1 Button ) -Find the most comfortable position for the user.  
-Clean this location with a mild detergent solution and dry thoroughly.  
-Remove the plastic backing from the two sided foam adhesive patch and press the switch firmly in place.
3. -Secure the switch harness to the chair frame with plastic ties, remembering to allow enough slack if the chair will be folded.

**BATTERY:** Please Note, this installation should only be done by a person with electrical skills. **ERRORS COULD LEAD TO SERIOUS INJURIES.**

1. -Disconnect motor and controller cables.  
-Remove cover(s) from the battery enclosure.  
-Locate the main +ve (positive) terminal, usually it has red wires and a fuse-holder connected to it.  
-Locate the main -ve (negative) terminal, usually it has black wires connected to it.  
-These are on separate batteries.

If your batteries are equipped with "L" shaped terminals, it will be necessary to have the emptier harness terminals changed to fit your terminal bolts.

**2. This Is A 24V Step Down to 12 Volt Setup, Connect To Both Battery (see fig 5):**

(a) Using only the supplied self-taping screws, carefully screw one each into the appropriate battery clamps, in a position as shown in (fig 3). NO NOT OVER TIGHTEN.

(b) Remove the screws and connect the emptier terminals to the battery clamps. THE **RED TERMINAL WITH FUSE-HOLDER CONNECTS TO THE +ve CLAMP.** THE OTHER TERMINAL CONNECTS TO THE -ve CLAMP.

3. -Feed the emptier harness through the exit collar (on battery enclosure) and secure to other power cables using plastic ties. **Test the connector with a voltmeter to confirm 24 VDC is present.**
4. -Plug in all connectors. Please note some connectors are coded. These must be paired with they're matching code or the emptier will not function. Test the system by activating the switches. If the emptier clicks you have done everything correctly. Replace the battery cover. If it does not click, refer to the trouble-shooting sheet (with maintenance instructions)

### **LEG HARNESS**

1. -The leg harness plugs into the single connector on the main harness. This harness is attached to either of the leg support brackets, depending on which leg holds the leg bag. Allow enough extra wire so it can travel up the pant leg and connect to the emptier.

### **EMPTIER**

1. The emptier should be held in place by the emptier support band. The leg bag outlet hose should be cut leaving enough hose for the 2 ended barbed fitting to be inserted, the pinch emptier hose is connected to the other barbed end. Any excess slack in the hose can be adjusted by sliding the pinch emptier hose downward. Position the lower portion of the hose so that it is secured and concealed by the foot support heel strap.

Connect the electrical connector to the wire harness and test.

The emptier should now be ready to use.

Please remember that the pinch emptier will not function unless the silicone tubing is in positioned in the pinch mechanism.

**PLEASE READ THE MAINTINANCE INSTRUCTIONS PAGES**

As your warrantee will be voided if you do not follow the daily shutdown procedure to the letter!!!!