

## INSTALLATION INSTRUCTIONS

( standard emptier, power chair )

*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.

**Please note:** all connectors are colour coded to avoid connection errors.

### EMPTIER

1. Although it is possible to install the emptier with the foot support still on the chair, we recommend that you remove it and use a workbench vice to hold it. The pedal supporting the leg which carries the leg-bag is the one to install the emptier on.  
-Remove the inner heel strap if so equipped.
2. -Mark a point 1" from the back edge and 3/4" from the inner edge of the pedal. (fig 1) This usually corresponds to the heel strap post hole or grommet hole for the rubber mat (if so equipped) of a standard foot pedal. If your Chair is equipped with a custom or extra deep pedal then you will have to align the hole 1" forward of the back of the users heel.
3. -Drill a 1/2" hole (drain hole) at the marked point.  
-Clean any debris from under the rubber mat.  
-Test fit the emptier. File the hole slightly larger if necessary.
4. -With the emptier in place and flush to the edge of the foot support, make a mark approximately 1/4" away from the emptier and midway along the solenoid body.  
-Remove emptier.  
-If you are equipped with a heel strap make a second mark either behind or ahead of the first mark and 1/8" further in, drill a hole equal to that used for the heel strap post. Otherwise drill a 1/4" hole at the first mark. (fig 2)  
-Clean any debris from under the rubber mat.
5. -Refit the emptier and clamp in place using a long plastic tie (supplied) taking care that the emptier wires are secured between the emptier and the tie. (fig 6) Insert the heel strap post (if so equipped) and secure with the nut.

### MAIN HARNESS

1. -This harness mounts to the chair frame under the seat on the same side as the emptier.  
-The correct placement will have the single connector (coded yellow) at the front of the chair. Secure the wires to the frame using the plastic ties. Take care to avoid pinching the wires between chair parts. Allow enough slack for any tilt chair features.

### LEG HARNESS

-This harness has a connector coded (yellow), which plugs into the (yellow) coded connector on the main harness. Attach this harness to the leg support bracket and run it down to the emptier. Take care that it won't get caught in any moving parts.

**SWITCH BOX** The switch box is usually mounted on the arm rest. However it can be mounted virtually anywhere the user desires. It is (coded blue) and plugs into the main harness (blue connector)

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 location on the chair, it may be necessary to add shims or otherwise add stability to the switch box.
2. -Secure the switch box harness to the chair frame with plastic ties, remembering to allow enough slack if the chair will be folded.
3. ( 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 2 sided foam adhesive patch and press the switch firmly in place.

**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.
2. Attach the Fuse Harness Terminals (red) to the +ve & (black) to the -ve battery terminal bolts, matching the same hookup as the chairs power harness.
3. -Feed the fuse harness through the exit collar (on battery enclosure) and test the voltage with a meter. It should be 24+ VDC. Secure the fuse harness to the other power cables using plastic ties. Replace the battery cover.
4. -Plug the fuse harness into the adapter harness. Colour code (green).
5. -Position the adapter harness so the power out connector (yellow) reaches the leg support bracket and attach to the chair with either Velcro or zip ties.