

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.

EMPTIER

1. Although it is possible to install the emptier with the foot pedal still on the chair, we recommend that you remove it and use a workbench vise 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 support. If your Chair is equipped with a custom or extra deep support 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 pedal, 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.
6. -Position the wires between the solenoid and the emptier outlet. Wrap the wires around the back of the emptier outlet and along the back edge of the foot pedal to the support bracket.
-Use the short plastic ties to secure the emptier wires to the foot pedal support bracket, leading up to the chair seat.

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 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.

SWITCH BOX The switch box is usually mounted on the arm rest. However it can be mounted virtually anywhere the user desires.

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.

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. **12 Volt Emptier** (see fig 5): Connect to one (1) Battery Only!!!
 - (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 OVERTIGHTEN.**
 - (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.
- 2a. **24 Volt Emptier:** Connect to two batteries.
- 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 that the voltage present is appropriate for you emptier.** 24 VDC will destroy the 12VDC emptier and possibly cause serious injury to the user.
- 4. -Plug the green-colour coded connector into the corresponding connector on the adapter, and 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)