

Procedure for Replacing a BC3300 with a BC3kW

Below are written instructions for removing the BC3300, 3.3 kW charger and installing the BC3kW, 3kW charger.

See enclosed digital photos for identification of components and parts.

Removal of 3.3 kW Battery Charger

- 1) Unplug vehicle from AC power.
- 2) Locate charger in trunk, on driver's side of car.
- 3) Turn ignition key off and set parking brake. Unplug vehicle from the wall outlet.
- 4) Pull back of rear seat forward.
- 5) Pull drivers side carpet aside and remove foam from trunk floor.
- 6) Remove (4) ¼" - 20 nylocs nuts, gently pull charger up and out approximately 8" to access the LED Box connectors and the input and output connectors found behind the sidewall carpet. Save nuts and washers.
- 7) Unplug DC output connector (red 2-pin Anderson) and the 220VAC input connector (grey NEMA 6-20).
- 8) Disconnect all connectors from LED Box. Leave LED Box attached to charger.
- 9) Remove charger and LED Box together.

Installation of 3 kW Battery Charger

- 1) Connect new LED Box to 3kW charger via the large, black 8-pin connector.
- 2) Connect new LED box to the square, white 4-pin, 2-wire connector that the old LED Box used. This is the signal for the charge-complete light in the dash.
- 3) Connect all connectors from charger to their mating connectors on the vehicle.
 - 2 black, three-pin Packard: temperature sensors in battery boxes. It doesn't matter which goes to which.
 - Flat, white 4-pin, 2-wire: drive disable signal to motor controller.
 - Round, grey, 3-pin, NEMA 6-20 220VAC: AC power plug.
 - Red, 2-pin Anderson: to battery pack. Connect this one last.
- 4) Set charger on existing rubber mounts and fasten with same hardware.
- 5) Mount LED Box on trunk wall carpet with provided velcro.
- 6) Cut pink foam and carpet to fit new charger shape.
- 7) **IMPORTANT.** Do not cover charger with anything, i.e. carpet or object in trunk. If the charger is covered and/or the fan blocked, the charger will overheat and be damaged.
- 8) Plug in vehicle to AC power and confirm vehicle is charging. If it is charging, the LED Box will show at least one red LED and the Amp-hour Counter in the dash will be counting down and it's LED will be blinking green.

Questions? Call Solectria Customer Service at (978) 658-2231