INSTALLING THE AUXILIARY ALARM RELAY PC BOARD
(STYLE-5030 ENCLOSURE)

BACKGROUND

In the **AT30 Series** (Style-5030) battery charger enclosures, the Auxiliary Alarm Relay pc board (A5) installs onto a mounting bracket in the upper-right hand corner of the cabinet frame (**Fig. 1**).

PREPARATION

The green Auxiliary Alarm Relay pc board (A5) is susceptible to damage from static discharge. Please use the following precautions:

1) Use a wrist strap to ground yourself to the battery charger enclosure, using the ground stud on the back of the front panel door.
2) Touch the ground stud on the back of the door with your finger before removing the new part (A5) from its anti-static carrier bag.
3) Handle all printed circuit boards by their edges only.
4) Ensure you are grounded while handling and installing the new replacement board (A5), and handling and servicing ALL other existing printed circuit boards (or any static-sensitive part) inside the charger.

PROCEDURE

WARNING: BEFORE STARTING THIS PROCEDURE, ENSURE BOTH AC INPUT AND DC OUTPUT POWER HAS BEEN REMOVED FROM THE BATTERY CHARGER
FOLLOW ALL SAFETY STANDARDS IN THE OPERATING & SERVICE INSTRUCTIONS

1) Shut down the **AT30 Series** charger per the *Operating Instructions*, open the front door, and remove the top plexiglas safety shield.
2) Locate the supplied mounting bracket (FC0776-00). Rotate all four (4) nylon standoffs on the bracket with pliers so the clip openings will accept the edge of the pc board between them (**Fig. 2**).
3) Mount the bracket using supplied hardware, to the rear vertical frame post (**Fig. 2**) of the enclosure, per the listed dimension (**Fig. 1**).
4) Carefully snap the supplied board (A5) onto the nylon standoffs, with the terminal block (TB4) facing up (**Fig. 3**).
5) Run the supplied serial interconnection cable along the main signal harness, starting at the newly mounted Auxiliary Alarm Relay pc board (A5). End at the Main Control pc board (A1), which is mounted to the inside of the front panel door. Polarity of the interconnection cable ends is not important.
6) Insert the 8-pin white nylon plug ends of the interconnection cable into **A5-J1** at one end, and **A1-J2** at the other (**Fig 4**).
7) Secure the serial interconnection cable to the main signal harness using plastic wire ties.
8) Re-mount the top plexiglas safety shield, and restart the **AT30 Series** charger per the *Operating Instructions*.

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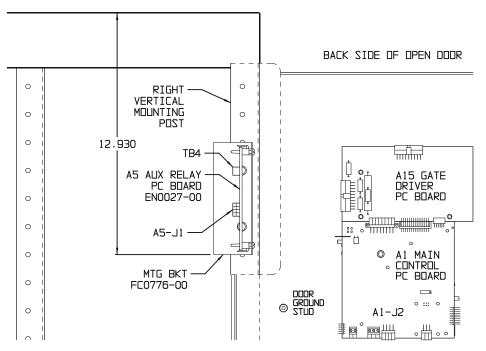## (STYLE-5030 ENCLOSURE)

Figure 1 - front view of properly installed components
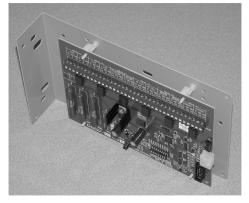

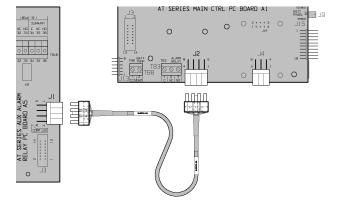**Figure 2** - bracket mounted in unit

Figure 3 - A5 pc board mounted on bracket

Figure 4 - serial cable interconnection