

**INSTALLING THE AUXILIARY ALARM RELAY PC BOARD
 (STYLE-5017/5018 ENCLOSURE)**

BACKGROUND

In the **AT10.1 Series** (Style-5017/5018) and **AT30 Series** (Style-5018) battery charger enclosures, the Auxiliary Alarm Relay pc board (A5) mounts to the right side panel of the galvanized steel circuit breaker bracket (**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 **AT Series** charger per the *Operating Instructions*, open the front panel door, and remove the plexiglas safety shield.
- 2) Mount the supplied nylon standoffs, by screwing them onto the four (4) existing studs on the operator's right side of the circuit breaker mounting bracket (**Fig. 2**). Pliers may be needed to screw the standoffs onto the studs.
- 3) Rotate all four (4) standoffs so the clip openings will accept the edge of the pc board between them.
- 4) Carefully insert the supplied pc board 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 interconnection cable ends is not important.
- 6) Insert the 8-pin nylon plug ends of the interconnection cable into **A5-J1** at one end, and **A1-J2** at the other (**Fig. 5**).
- 7) Secure the serial interconnection cable to the main signal harness using plastic wire ties (**Fig. 4**).
- 8) Re-mount the plexiglas safety shield, close the front panel door, and restart the **AT Series** charger per the *Operating Instructions*.

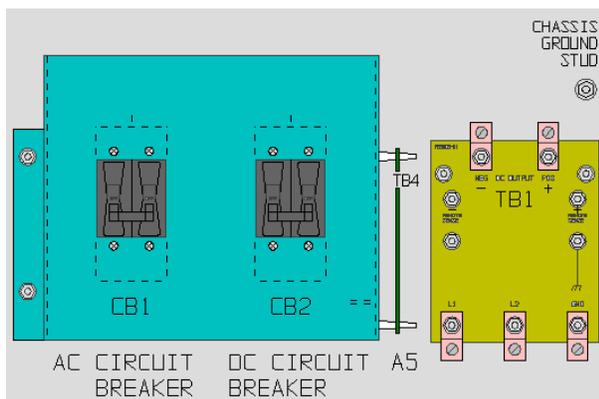


Figure 1

front view of charger internal components

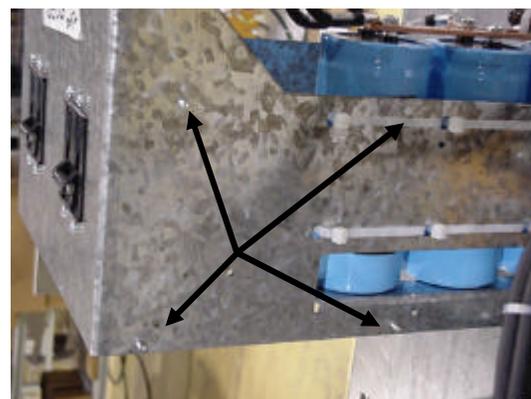


Figure 2

studs on circuit breaker mounting bracket

AT10.1 / AT30 Series Battery Charger User Service Instructions

JD5015-00



Figure 3
PC board mounted on nylon standoffs



Figure 4
interconnect cable run along wire harness

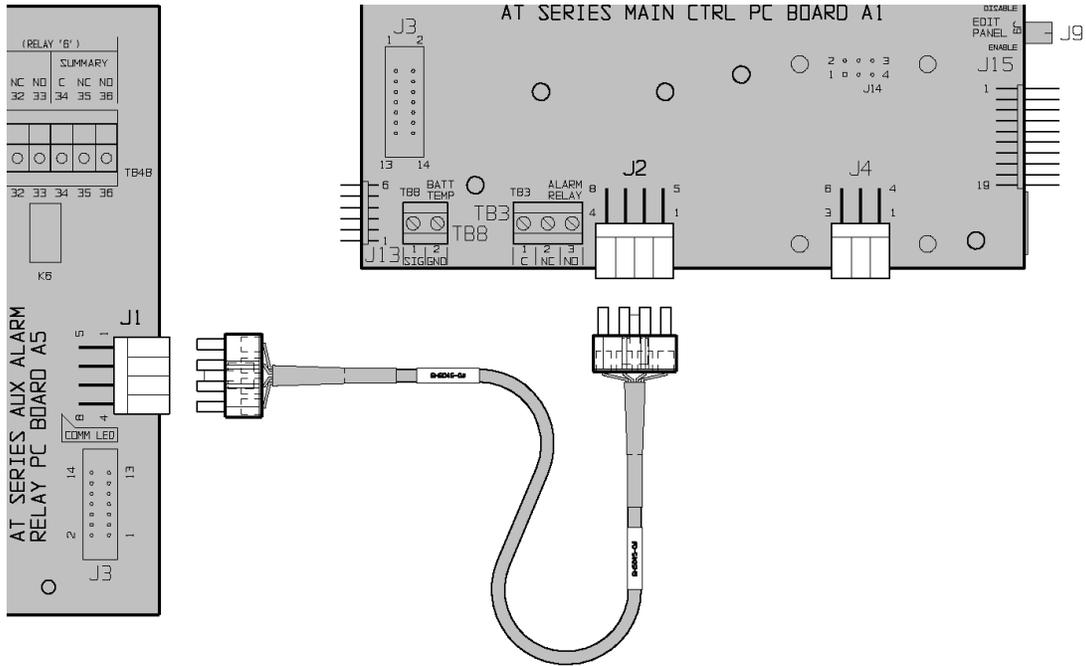


Figure 5 - serial cable interconnection