

WHELEN[®]

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Siren Cabinet Front Panel Upgrade Procedural Guide

Applicable Systems:

WPS2700, WPS2800, WPS3000, WPS4000

This document provides all the necessary information to allow this process to be performed properly and safely. Before beginning, the installation technician must read this manual completely. Important information is contained herein that could prevent serious injury or damage.

IMPORTANT: The procedure documented within this manual requires careful planning and attention to detail. This procedure should only be performed by individuals with a intermediate or higher experience level in the disciplines necessary to this procedure.

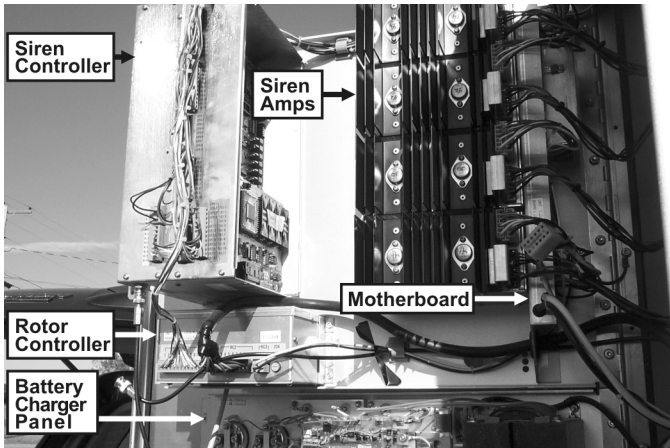
Mass Notification

PART I: REMOVAL OF EXISTING COMPONENTS

BEFORE BEGINNING THIS PROCEDURE:

- **DISCONNECT THE AC ELECTRICAL SUPPLY TO THE CABINET!**
- **ROTATE THE BATTERY DISCONNECT SWITCH TO THE "OFF" POSITION!**
- **DISCONNECT ALL BATTERY LEADS FROM THE BATTERY TERMINALS!**

NOTE: This process involves removing multiple electrical connections. Be sure to tag and record the location, color(s), and function of each wire or harness before disconnecting. Additionally, take note of the paths of any wiring that is either moved or removed during this procedure

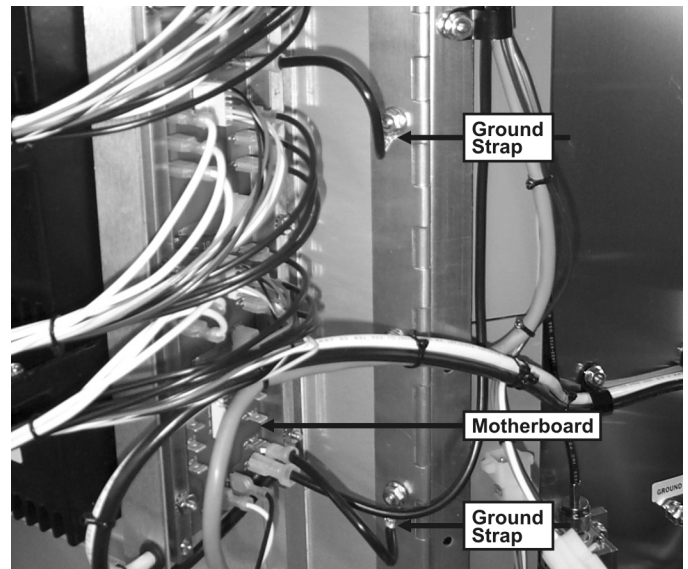


1. Disconnect all electrical connections to each of the siren amplifiers.
2. Remove the siren amplifiers from the front panel.
3. Disconnect the siren control harness from the siren controller.
4. Disconnect any connectors between the Siren controller and the Rotor controller (3000/4000 systems-only).
5. Remove the siren controller from the front panel.
6. Disconnect the 8 AWG wire harness from the motherboard. **IMPORTANT! Be sure to insulate the WHITE wire!**
7. If a new Battery Charger Panel is to be installed, disconnect the Battery Charger harness and remove the Battery Charger Panel from the cabinet.
8. Remove any additional wiring between the main cabinet and the front panel.
9. Unbolt and remove the front panel from the cabinet.

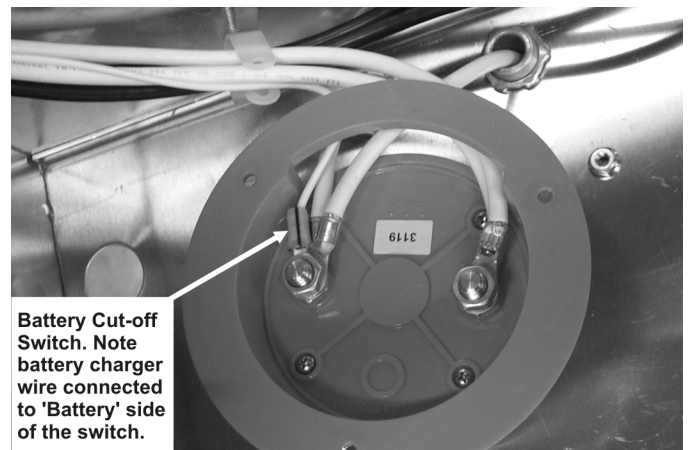
PART II: INSTALLATION OF NEW COMPONENTS

REFER TO THE NEW MANUAL(S) INCLUDED WITH YOUR EQUIPMENT FOR IMPORTANT WIRING INFORMATION (Speaker, Rotor, etc.).

1. Remove the new front panel from its shipping crate.
2. Disconnect the siren amplifier harness' and remove amplifiers from the panel.
3. Mount the front panel onto the cabinet. **IMPORTANT! Make sure that all cabinet grounding straps are returned to their original locations (under the front panel mounting hardware)!**



4. Connect the WHITE and the BLACK 8 AWG wires onto the new motherboard.
5. Re-mount the Siren Amplifiers in their original location.
6. Reconnect the Siren Controller and Rotor Controller (3000/4000 systems-only).
7. Mount the new Battery Charger Panel (if applicable) onto the cabinet. Route the new Battery Charger wires along the same path as the old wires.
8. Remove the Battery Disconnect Switch to gain access to the wire from the Battery Charger. Remove and replace this wire with the new wire provided. **NOTE: Make sure the new Battery Charger Wire is installed onto the "Battery" side of the switch!**



9. Reinstall the Battery Disconnect Switch and connect the Battery Charger Harness to the System Harness.
10. Route the new External Status Light harness along the same path as the previous Status Light harness.
11. Install the Battery Cables onto the appropriate Battery Terminals.
12. Restore AC power to the cabinet and return the Battery Disconnect Switch to the "ON" position.

Perform a complete test confirming proper operation of all station functions before returning the station to active service!