1) SAFETY PRECAUTIONS

REVIEW THE SAFETY INSTRUCTIONS IN THE POWER SYSTEM MANUAL AND THE BATTERY MANUFACTURER'S SAFETY RECOMMENDATIONS.

NOTE: IF POWER SYSTEM IS EQUIPPED WITH A LVD INHIBIT SWITCH, TURN IT TO THE OVERRIDE, MANUAL, OR INHIBIT POSITION.
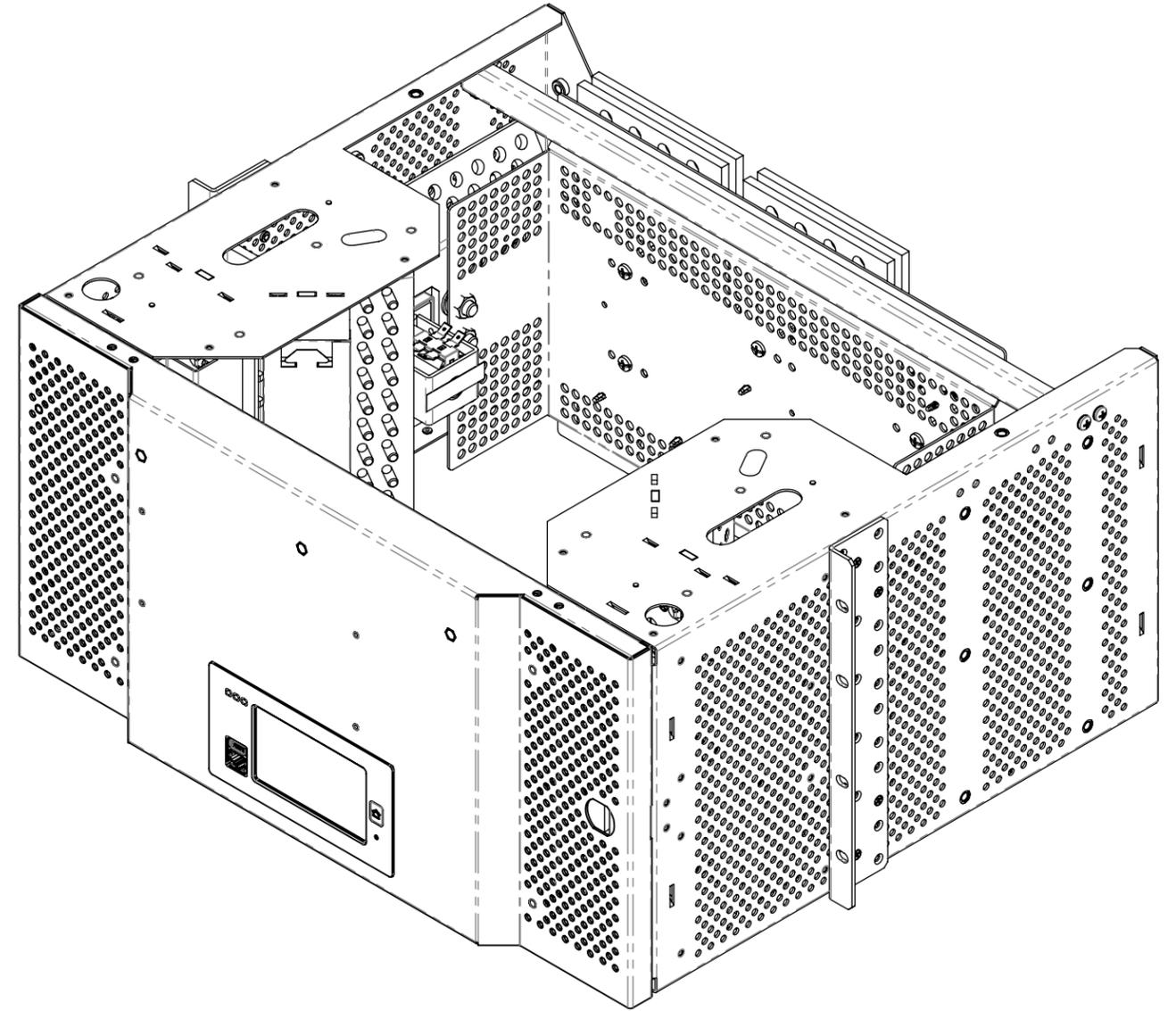
2) TOOLS AND HARDWARE REQUIRED

- SLOTTED SCREWDRIVER [BLADE WIDTH 3/32" (2.4mm)]
- #2 PHILLIPS SCREWDRIVER
- SIDE CUTTER
- NUT DRIVERS [FOR #10 (GROUNDING NUT) AND #8 (CONTROLLER MOUNTING NUTS)]
- DVM
- LAPTOP WITH INTERNET BROWSER ACCESS (IE, FIREFOX, OR CHROME)
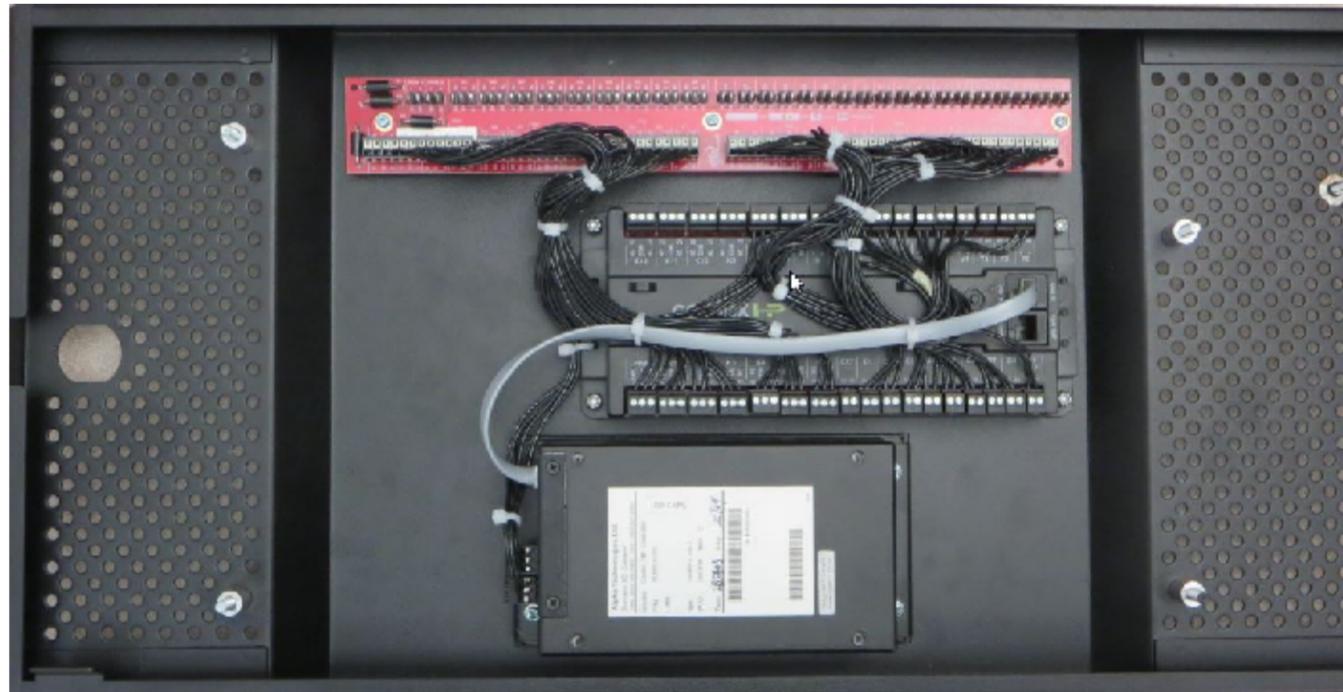- ETHERNET CABLE
- 4" CABLE TIE WRAPS

3) PREPARATION

REVIEW THE SYSTEM SCHEMATICS FOR THE POWER SYSTEM AND IDENTIFY ANY ADDITONAL SIGNAL I/O WIRING TO THE EXISTING CONTROLLER. NOTE DOWN ALL OF THE CONTROLLER WIRING POSITIONS WITH REFERENCE TO THE WIRE TAG NUMBERS AND TERMINAL BLOCK POSITION NUMBERS ON THE CONTROLLER PCB. LOGIN TO THE CXCP AND NOTE THE FOLLOWING SETTINGS, INCLUDING ANY OTHER SPECIAL SETTINGS:

- VOLTAGE SETTINGS: _____
- BATTERY SETTINGS: _____
- CURRENT SETTINGS: _____
- SPECIAL SETTINGS: _____

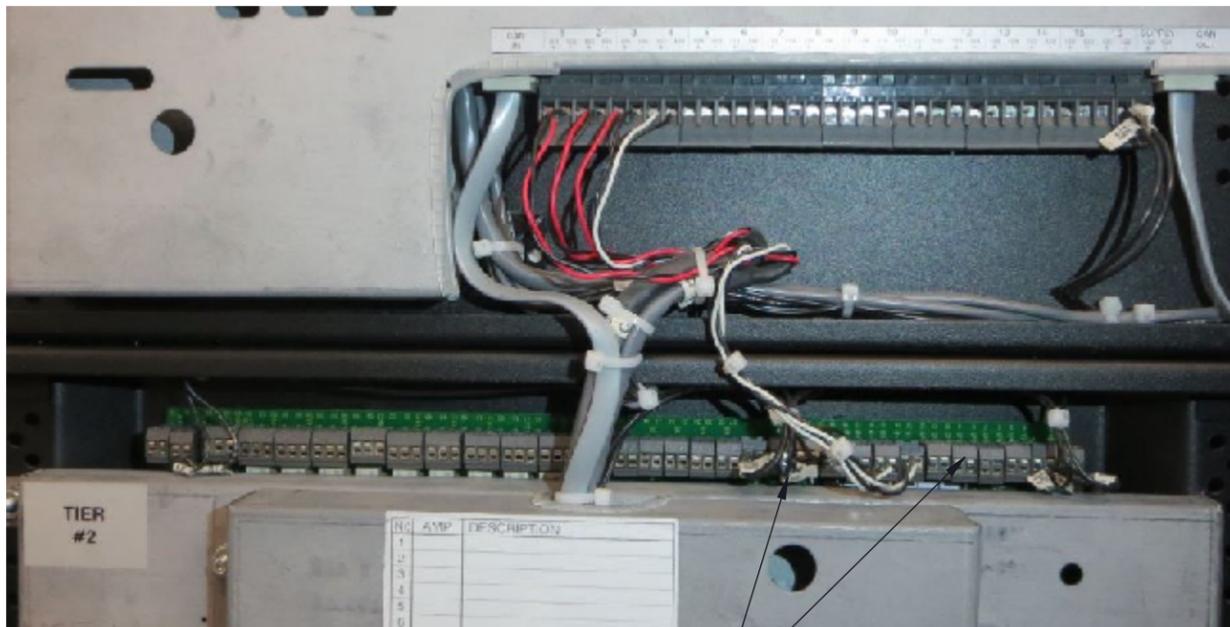CXCHP RETROFIT KIT
0380503-001

NOTES UNLESS OTHERWISE SPECIFIED:

1. PRODUCT TO BE FABRICATED ACCORDING TO ATL PRODUCTION STANDARD 0700001

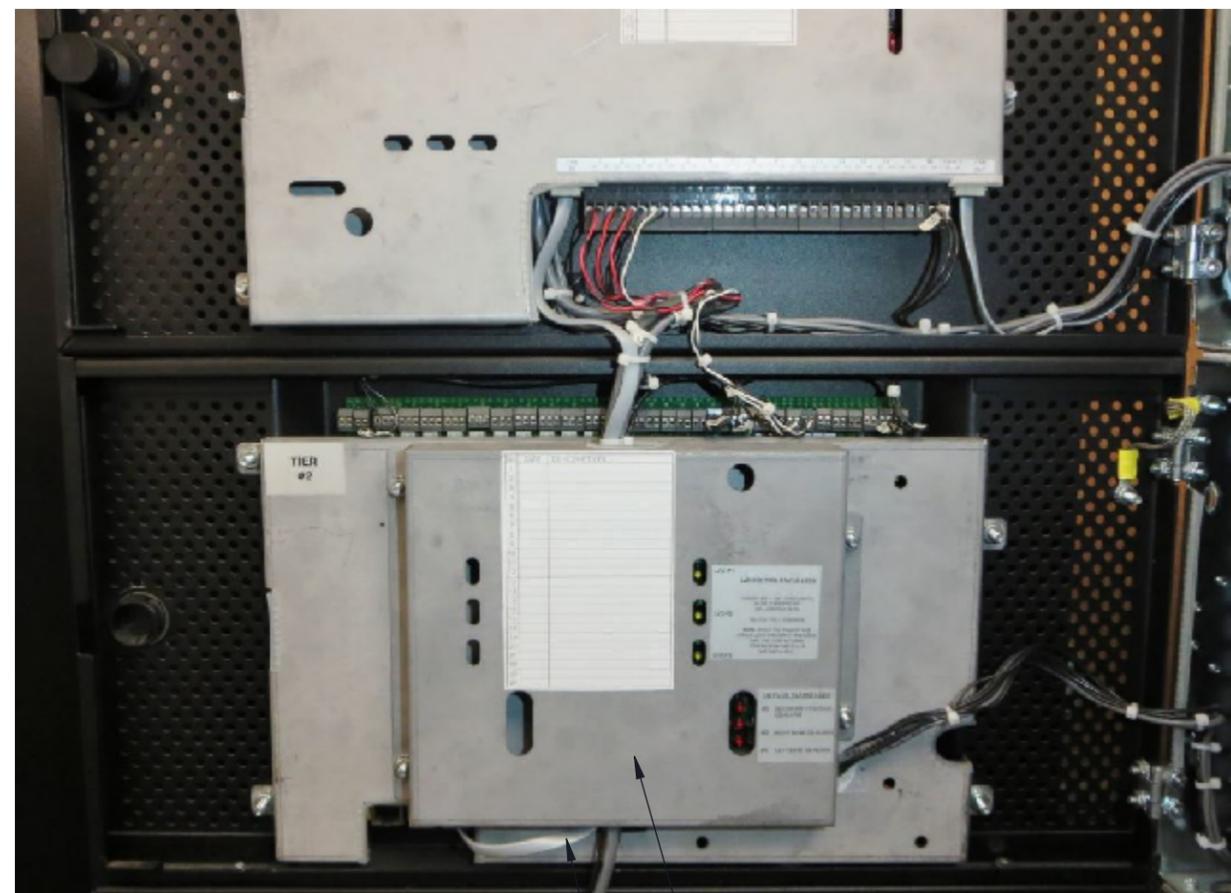ITEM — REFER TO BUBBLE NUMBER IN BILL OF MATERIALS.

INTERFACE AND CONTROLLER PCBA WIRING

STEP 1. TAKE NOTE OF WIRE TAG NUMBERS USED AND THEIR TERMINAL BLOCK LOCATIONS - IF TAGS ARE MISSING, CREATE NEW ONES. UNPLUG ALL TERMINAL BLOCKS FROM THE OLD CONTROLLER.

CONTROLLER COVER REMOVAL

STEP 4. REMOVE NUTS SECURING CONTOLLER COVER AND LEAVE ALL REMAINING WIRES ATTACHED TO ADJACENT DOORS - LEAVE CONTROLLER COVER DETACHED FROM DOOR AS SHOWN BELOW.

STEP 6. REMOVE HINGES AND GROUNDING STRAP FROM DISTRIBUTION UNIT, UNINSTALL THE OLD DOOR. REMOVE THE HINGES AND GROUNDING STRAP FROM OLD DOOR ONCE OUT OF UNIT.

STEP 5. REMOVE 4X SCREWS (AND NUTS) WHICH LINK ADJACENT DOORS (HIDDEN IN VIEW).
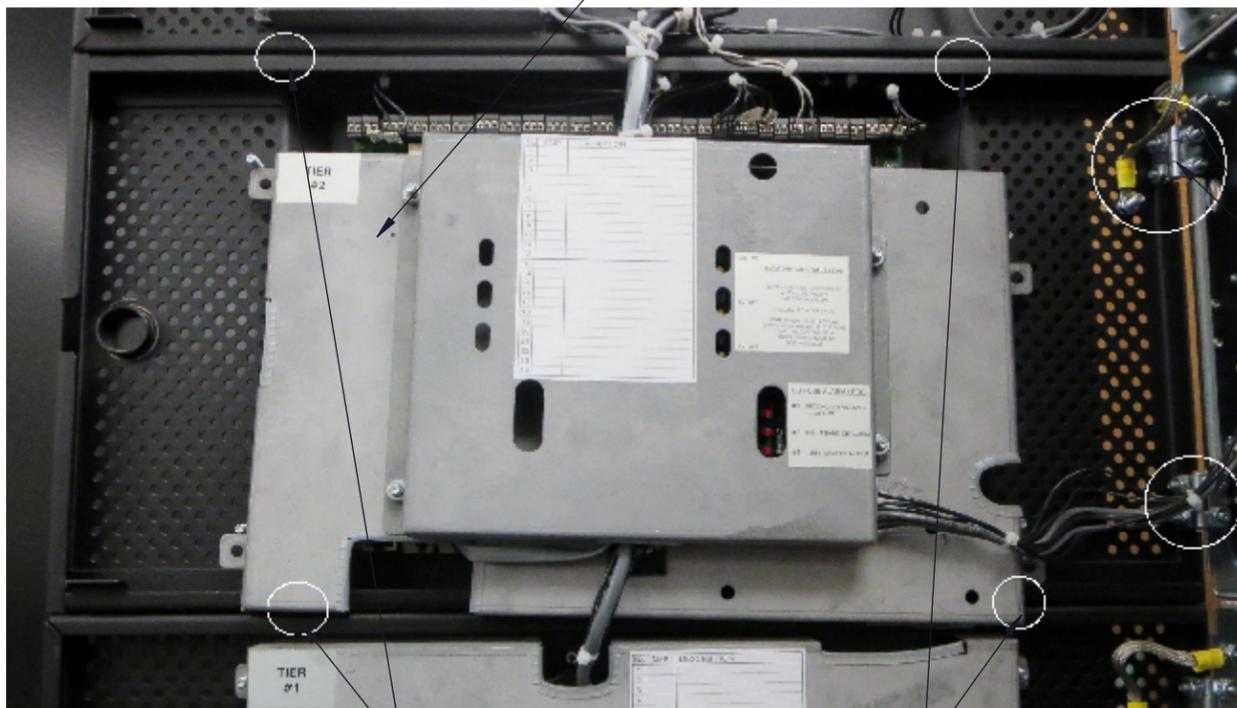
INTERFACE AND CONTROLLER PCBA WIRING

STEP 2. REMOVE INTERFACE PCBA COVER TO ACCESS CABLING UNDERNEATH

STEP 3. UNPLUG INDICATED CAN CABLE FROM CONTROLLER CAN PORT, CUT TIE WRAPS AND REMOVE FROM ASSEMBLY. REROUTE REMAINING CABLES ON EXISTING TIE LOCATIONS USING PROVIDED TIE WRAPS, THEN REINSTALL INTERFACE PCBA COVER.

TECHNOLOGIES™

TITLE: KIT, FIELD RETROFIT, CXCP TO CXCHP, CXPS-D/M		
SIZE B	DWG NO. 0380503-F0	REV A
SCALE: 1:6	SHEET 2 OF 4	

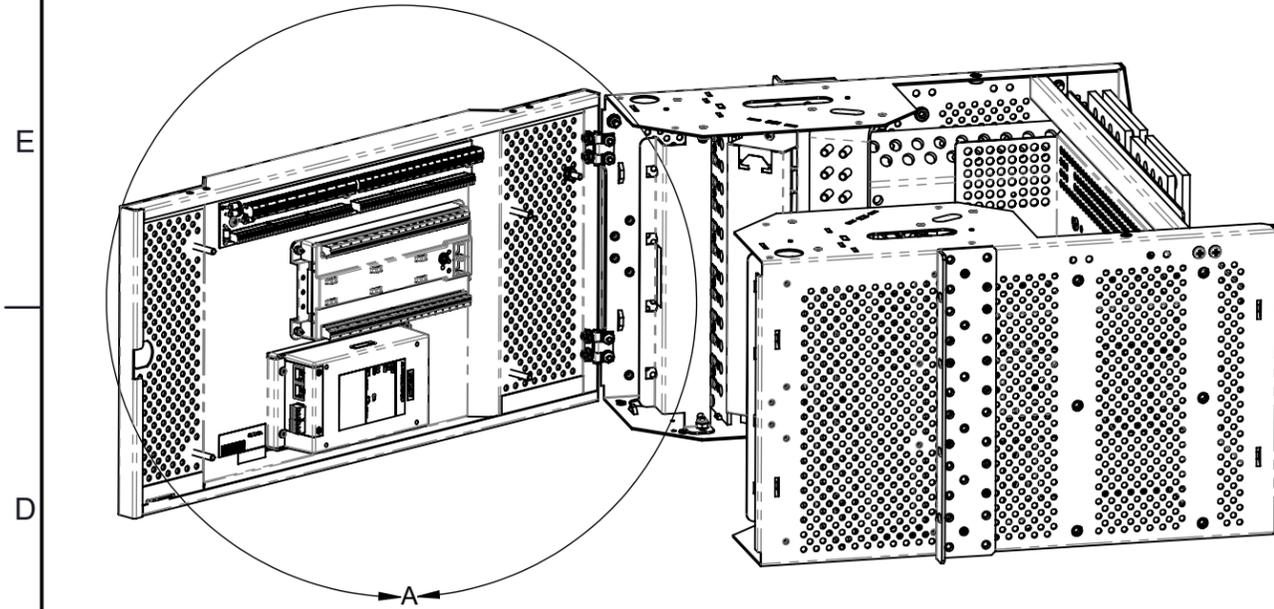5   4   3   2   1
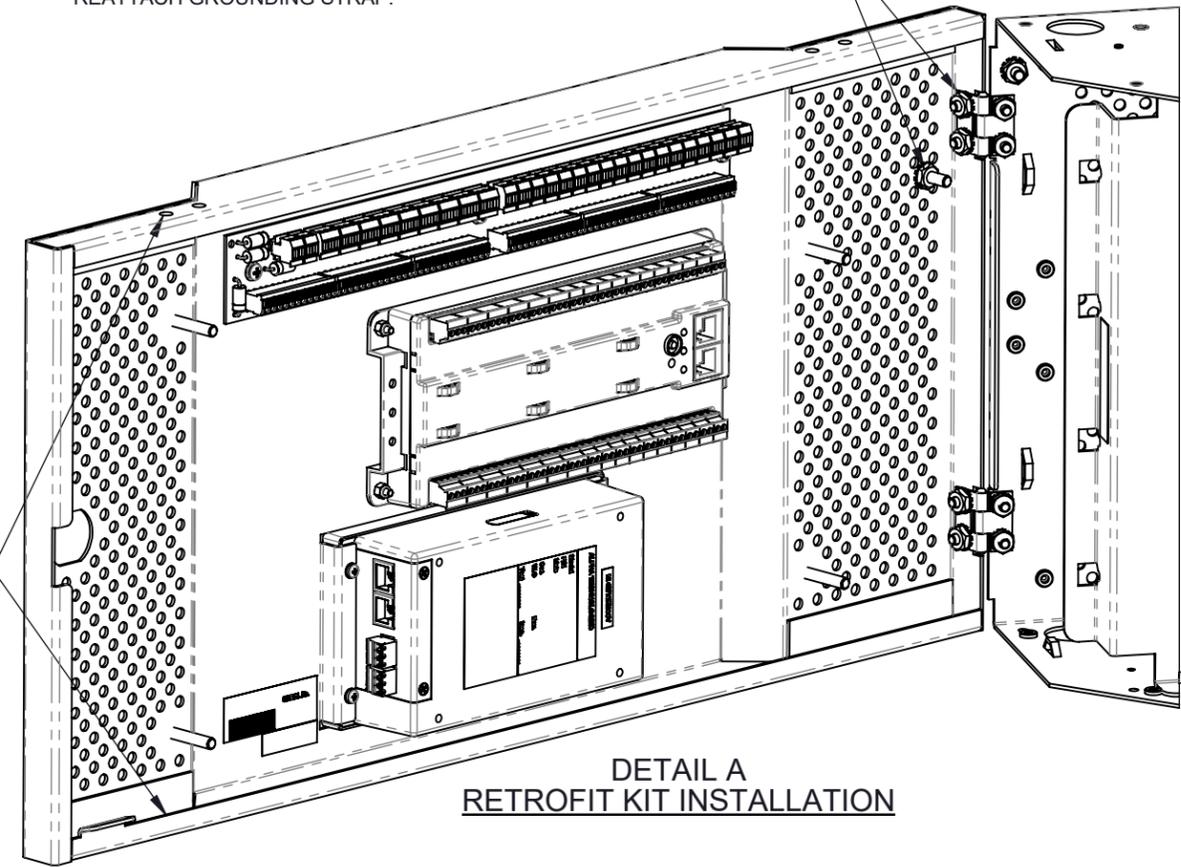
STEP 7. REINSTALL HINGES FIRST TO NEW DOOR, THEN REINSTALL DOOR TO DISTRIBUTION UNIT - REUSE HINGES AND RELATED HARDWARE. REATTACH GROUNDING STRAP.

STEP 8. USE SUPPLIED #10 SCREWS AND NYLOCKS (IF NECESSARY) TO FASTEN ADJACENT DOORS TO NEW DOOR - 4 PLACES.

A

DETAIL A
RETROFIT KIT INSTALLATION

STEP 9. INSTALL CAN CABLE REMOVED IN STEP 3 TO L-ADIO "CAN IN" PORT. ROUTE CAN CABLE BESIDE L-ADIO AND I/F PCBA, THEN ALONG TOP OF DOOR WITH CABLES FROM STEP 12.

CXCHP RETROFIT KIT FACTORY WIRING

TECHNOLOGIES™

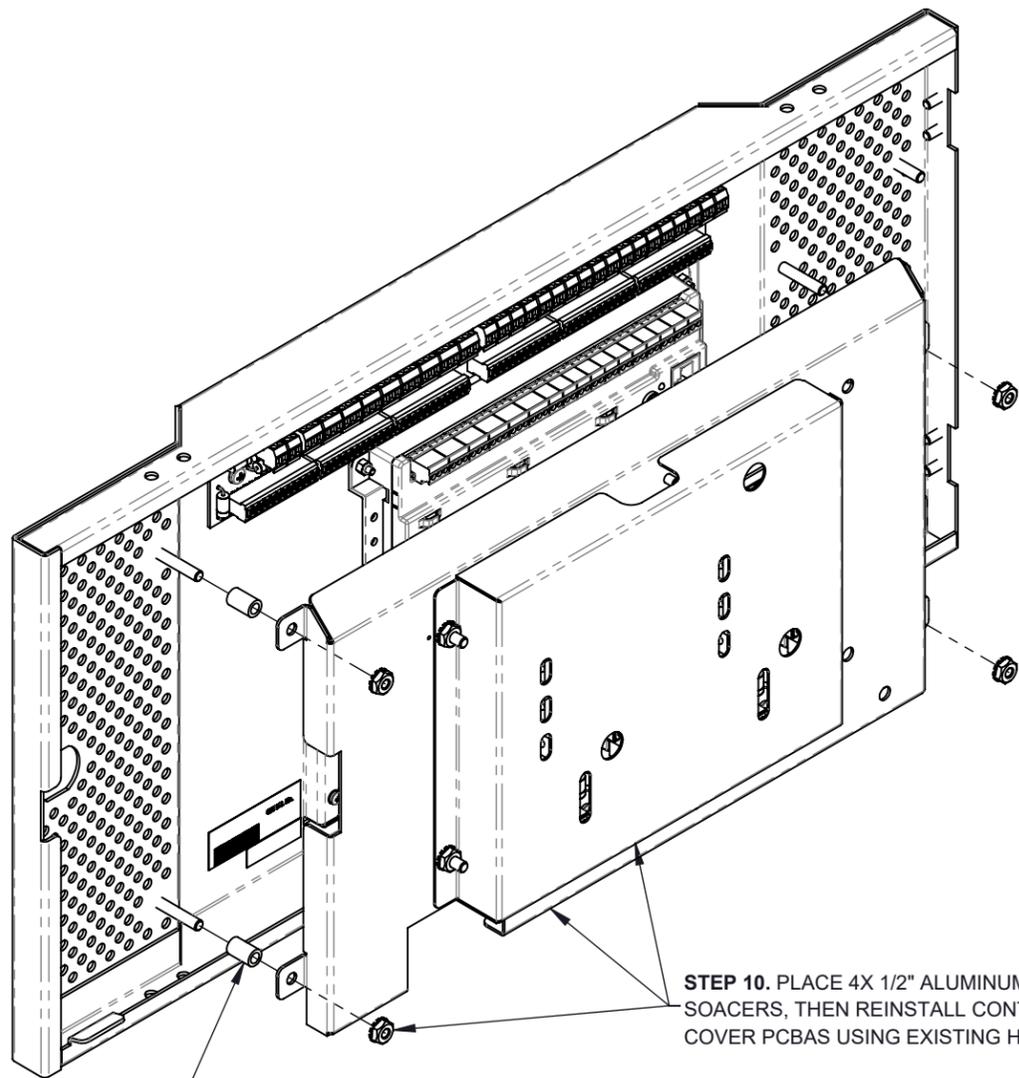| TITLE: KIT, FIELD RETROFIT, CXCP TO CXCHP, CXPS-D/M		
SIZE B	DWG NO. 0380503-F0	REV A
SCALE: 1:6	SHEET 3 OF 4	

STEP 11. REINSTALL TERMINAL BLOCKS ON NEW PCBA IN SAME LOCATION AS REMOVED IN STEP 1. **NOTE:** 1X 3-POSITION TERMINAL BLOCK SHOULD REMAIN UNUSED - TO BE DISCARDED.

STEP 12. ROUTE CABLES ALONG TOP OF DOOR PANEL USING PROVIDED ADHESIVE TIE PLATES AND TIE-WRAPS.

STEP 10. PLACE 4X 1/2" ALUMINUM SOACERS, THEN REINSTALL CONTROLLER COVER PCBAS USING EXISTING HARDWARE.

4X 1/2" ALUMINUM SPACER - SHIPPED LOOSE
ALPHA P/N: 6400092

INSTALLED CXCHP RETROFIT KIT

TECHNOLOGIES™

TITLE: KIT, FIELD RETROFIT, CXCP TO CXCHP, CXPS-D/M

SIZE B	DWG NO. 0380503-F0	REV A
SCALE: 1:6	SHEET	4 OF 4