

Best Buy Premium Design Center

Conversion

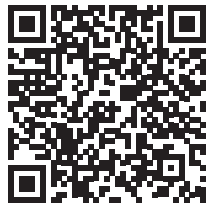
MAVD TO MDC (PDC)

MAVD to MDC Overview

Plan outline for converting MAVD electronics to MDC (aka PDC) configuration

This operation converts the demonstration room from a recent configuration to the new PDC (Premium Design Center), reusing most of the electronics and harnesses. Some electronics must be re-configured, and some cables must be replaced or moved. Some new parts will be shipped to complete the MDC system. The process is as follows:

1. Remove all workboards and harnesses from the walls and ceiling in the MAVD room.
2. Carefully coil each harness and place it in a poly bag. Use the black marker to write the harness part number on the bag.
3. Pack the harnesses in labeled cartons and arrange them in the 671-MAVD1 master carton exactly as directed.
4. Pack each workboard and device in its labeled carton.
5. Arrange the cartons in 671-MAVD2 master carton exactly as directed. See this video for tips: <https://www.audioauthority.com/downloads/bby/MAVD-TO-MDC-PACK3.mp4>
6. Or scan the QR code below to see the video.



7. Send the cartons to the storage area while the room is being prepared.
8. Once the room is ready for MDC installation, retrieve the master carton 671-MAVD2 and find the workboards listed on the following page.
9. These workboards require updates to settings and adhesive overlays, and some require certain cables to be reconfigured or replaced with new cables or harnesses as shown in this document. As each workboard is converted it may be placed in the designated location for installation.
10. Retrieve the 671-MAVD1 master carton and install harnesses as directed for MDC, along with new MDC harnesses and workboards.
11. Use the standard MDC / PDC installation instructions (752-778) to install the converted modules, and any new modules required to complete the MDC system.



ITEMS TO SAVE FROM PREVIOUS INSTALL

WORKBOARDS

827-001	1	WB ASSY RECEIVER 1-8	RECEIVER INPUT/OUTPUT	NO
827-002B	1	WB ASSY SOURCES 1-3	ANALOG SOURCE OUTPUT	NO
827-003	1	WB ASSY RECEIVER 9-16	RECEIVER INPUT/OUTPUT	YES
827-006	1	WB ASSY RECEIVER 1-16 HDMI	HDMI DISTRIBUTION AMPS	YES
827-029-1	1	WB ASSY HDMI HEAD END	CHROMEBOX/MH2/1374/1394/SL240	YES
827-030-4	1	WB ASSY RS232 HUB	FC132, REC 1-20, SRC 1-5, PROJ 1-4	YES
827-031-2	1	WB ASSY REC 17-20 HDMI	HDMI DISTRIBUTION AMPS	YES
827-033-1	1	WB ASSY SPK 17-40A/9-16B REAR	SPEAKER INPUT	YES
827-034	1	WB ASSY SUBS 1-4B/5-8B	SUB INPUT	NO
827-035	1	WB ASSY SPK 49-64 CENTER 1-16	SPEAKER INPUT	NO
827-037-1	1	WB ASSY SPK 17-40B/9-16A REAR	SPEAKER INPUT	YES
827-040-1	1	WB ASSY RECEIVER 17-20	RECEIVER INPUT/OUTPUT	YES
827-043	1	WB ASSY PROJECTOR HDMI	HDMI DISTRIBUTION AMP	NO
827-044	1	WB ASSY SOURCES 4-6	ANALOG SOURCE OUTPUT	NO
827-045-1	1	WB ASSY SPK 41-48A/73-86A	SPEAKER INPUT (WALL/CEILING)	YES
827-046-1	1	WB ASSY SPK 41-48B/73-86B	SPEAKER INPUT (WALL/CEILING)	YES

IN WALL HARNESS

806-772A	3	RECEIVER WALL HARNESS 1-4	WORKBOARD TO WALLPLATE	
806-772B	2	RECEIVER WALL HARNESS 5-8	WORKBOARD TO WALLPLATE	ADD 1
806-772C	2	3 SOURCE WALL HARNESS	WORKBOARD TO WALLPLATE	
806-773C	1	SUBS 1-4A WALL HARNESS	WORKBOARD TO WALLPLATE	
806-774G	1	SUBS 1-4B WALL HARNESS	WORKBOARD TO WALLPLATE	
806-774H	1	SUBS 5-8A WALL HARNESS	WORKBOARD TO WALLPLATE	
806-774N	1	SPEAKER 41-48A WALL HARNESS	WORKBOARD TO WALLPLATE	
806-774Q	1	SPEAKER 41-48B WALL HARNESS	WORKBOARD TO WALLPLATE	
806-776A-B	1	SPEAKER 73-86A HARNESS CEILING	WORKBOARD TO INTERCONNECT	
806-776B-B	1	SPEAKER 73-86B HARNESS CEILING	WORKBOARD TO INTERCONNECT	
806-776C	1	SPEAKER 73-86A HARNESS CEILING	INTERCONNECT TO INT/TERM BLK	
806-776D	1	SPEAKER 73-86B HARNESS CEILING	INTERCONNECT TO INT/TERM	
806-776E	1	SPEAKER 83-86A HARNESS CEILING	INTERCONNECT TO TERM BLK	
806-776F	1	SPEAKER 83-86B HARNESS CEILING	INTERCONNECT TO TERM BLK	

ADDED IN CONVERSION KITS

806-773A/806-773B KIT FOR W1
806-774A-C/B-C KIT FOR W2
806-774E-B/F-B KIT FOR W2
806-775A/B/C KIT FOR W3

BUS CABLES

801-245	1	10FT USB-A M-F EXTENSION	TOUCHSCREEN TO CHROMEBOX BUS
801-384	36	3FT SPEAKER BANANA PLUG	WALLPLATE TO SPEAKER CABLE
801-385	18	6FT SPEAKER BANANA PLUG	WALLPLATE TO SPEAKER CABLE
801-386	16	6FT 1CH RCA CORD	WALLPLATE TO SUB CABLE
802-592	2	10FT CAT5e CABLE RED	WORKBOARD TO WKBD SYSTEM BUS
802-667	6	2FT CAT5e CABLE BLACK	1797/SIG-0 SERIAL BUS
802-818	12	4FT CAT5e CABLE RED	WORKBOARD TO WKBD SYSTEM BUS
806-689A	20	3FT RECEIVER WALLPLATE WHIP	RCVR TO WALLPLATE INTERCONNECT
806-691A	5	3FT SOURCE WALLPLATE WHIP	SRC TO WALLPLATE INTERCONNECT
806-696B	8	4FT WORKBOARD SPEAKER BUS	WORKBOARD TO WKBD SPEAKER BUS
806-698	2	7FT WORKBOARD SPEAKER BUS	WORKBOARD TO WKBD SPEAKER BUS
806-699	2	25FT WORKBOARD SPEAKER BUS	WORKBOARD TO WKBD SPEAKER BUS
806-708CP	2	7FT WORKBOARD LOW LEVEL BUS	WORKBOARD TO WKBD SUB BUS
806-709BP	1	7FT WORKBOARD SUB OUT BUS	REC WORKBOARD TO SUB WKBD BUS
806-711B	1	4FT 827-002B ANALOG SRC OUT BUS	WORKBOARD TO WKBD SRC BUS
806-714-50	1	50FT WORKBOARD SUB OUT BUS	WORKBOARD TO WKBD SUB BUS
HD-HDMI-3	25	3FT HDMI CABLE	RCVR/SRC TO WALLPLATE BUS
HD-HDMI-16	1	16FT HDMI CABLE	TOUCHSCREEN TO CHROMEBOX BUS

BOX

[illegible]

OTHER MODULES/CABLES

1797	1	SERIAL CONTROLLED IR EMITTER	USED FOR ELECTRONICS SERIAL	671-MAVD2/670-531
SIG-0	5	SERIAL TO ETHERNET BRIDGE	USED FOR ELECTRONICS SERIAL	671-MAVD2/670-531
641-035	1	21.5" SCREEN + MOUNT HARDW	PRODUCT SELECTION	671-MAVD1/670-417TS
801-241	1	6FT 2.1X5.5mm DC EXT	TOUCHSCREEN POWER EXTENSION	671-MAVD1/670-417TS
801-355	1	6FT 3.5MM IR EMITTER	USED ON 1797	671-MAVD2/670-531
801-383	75	LED INDICATORS	2P LED INDICATOR CABLE	671-MAVD2/670-416D
801-391	16	1M DB9-RJ45 SERIAL CABLE STR	USED FOR ELECTRONICS SERIAL	671-MAVD2/670-531/670-410
801-392	16	1M DB9-RJ45 SERIAL CABLE NULL	USED FOR ELECTRONICS SERIAL	671-MAVD2/670-531/670-410
806-728P	22	2FT LED EXTENSION	CEILING SPEAKER LEDS	671-MAVD2/670-416D

POWER

005-028	1	8-WAY POWER STR REMOTE RESET	SYSTEM REBOOT	671-MAVD2/670-531
005-066	2	6-WAY POWER STR 15FT CORD	POWER DISTRIBUTION	671-MAVD2/670-531
005-080	3	36" 12-WAY POWER STRIP	POWER DISTRIBUTION	671-MAVD1
572-010	1	10A SWITCHING POWER SUPPLY	SYSTEM POWER	671-MAVD1

HARDWARE

004-093	28	WALLPLATE ASSY DOUBLE SPK	SPEAKER PLATE	671-MAVD1/MAVD-WB-PLATES
004-093S	12	WALLPLATE ASSY SINGLE SPK	CENTER SPEAKER PLATE	671-MAVD1/MAVD-WB-PLATES
004-095	6	WALLPLATE ASSY 2 MONO SUBS	SUB SPEAKER PLATE	671-MAVD1/MAVD-WB-PLATES/MAVD-WD-PLATES
902-006	10	ADAPTER DB9 F-F GENDER CH	USED FOR ELECTRONICS SERIAL	671-MAVD2/670-416D/670-378
904-361	2	COUPLER RJ45 F-F INLINE	CABLE EXTENDERS	671-MAVD2/670-416D/670-378

ITEMS FROM PREVIOUS INSTALL THAT ARE NOT USED *

WORKBOARDS

327-011	1	WKBD SPK 1-16A1-8A ATMOS1-8B R	SPEAKER INPUT
327-013	1	WKBD SPK 1-16B1-8B ATMOS1-8A R	SPEAKER INPUT
327-026-1	1	WB ASSY SUBWOOFER 1-4A	SUB INPUT
AE1	1	ACCESS POWER BUS EXTENDER	WALL 2 SYSTEM POWER

IN WALL HARNESS

806-773G-B	1	SPEAKER 1-16A WALL HARN	WKBD TO WALLPLATE/TERM BLK	806-773A	671-MAVD1/MAVD-WB-HARN
806-773H-B	1	SPEAKER 1-16B WALL HARN	WKBD TO WALLPLATE/TERM BLK	806-775A	671-MAVD1/MAVD-WB-HARN
806-774J	1	SPEAKER 49-56 WALL HARN CTR 1-8	WKBD TO WALLPLATE/TERM BLK	806-774A-B	671-MAVD1/MAVD-WB-HARN
806-774K	1	SPEAKER 57-64 WALL HARN CTR 9-16	WKBD TO WALLPLATE/TERM BLK	806-774F-B	671-MAVD1/MAVD-WB-HARN
806-774L	1	SPEAKER 17-40A WALL HARN	WKBD TO WALLPLATE/TERM BLK	806-774A-C	671-MAVD1/MAVD-WB-HARN
806-774M	1	SPEAKER 17-40B WALL HARN	WKBD TO WALLPLATE/TERM BLK	806-774B-C	671-MAVD1/MAVD-WB-HARN

BUS CABLES

801-032	1	12FT RCA 2CH CORD	WORKBOARD TO WKBD SRC BUS
802-875	1	60FT CAT6 CABLE GRAY	SYSTEM BUS TO AE1 PWR BREAK
806-699-EXT	1	10FT SPEAKER BUS EXTENSION	INTERCONNECT TO INT

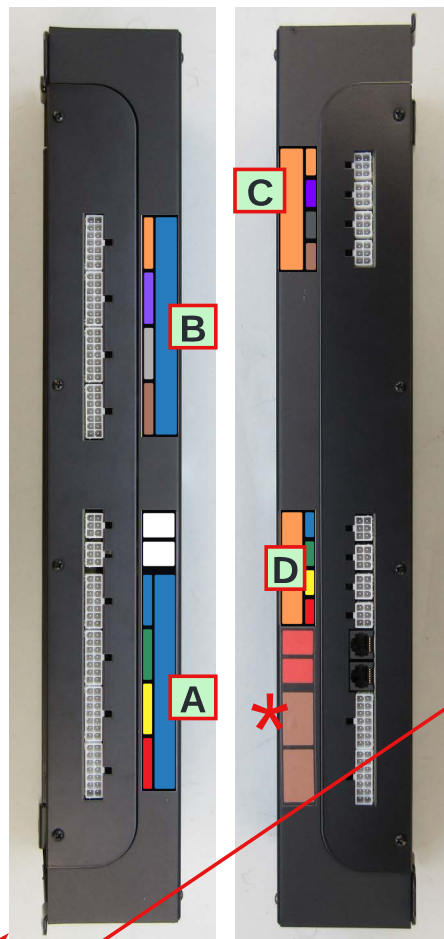
HARDWARE * NOTE: SALVAGE THE COUPLERS FROM 004-089/90

004-089	20	WALLPLATE ASSY 7CH RECEIVER	RECEIVER PLATE	HDMI/CAT5 C(671-MAVD1/MAVD-WD-PLATES
004-090	5	WALLPLATE ASSY HDMI SOURCE	HDMI SOURCE PLATE	HDMI/CAT5 C(671-MAVD1/MAVD-WD-PLATES
703-046	4	WALLPLATE DOUBLE GANG BLANK	HOLE COVER	NOT USED 671-MAVD2/670-416D
703-112	2	SINGLE TO DBL GANG ADAPT PLATE	HOLE COVER	NOT USED 671-MAVD2/670-416D
SCREWS	NA	ASSORTED MOUNTING SCREWS	MOUNTING HARDWARE	INCLUDED IN CONVERSION KIT

827-003 RECEIVERS 9-16
BEFORE



827-041 RECEIVERS 13-20
AFTER



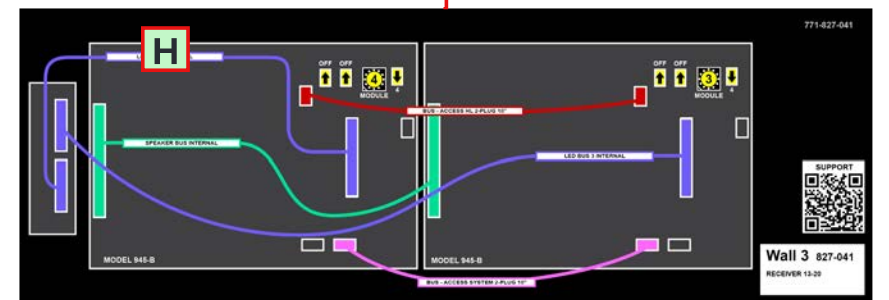
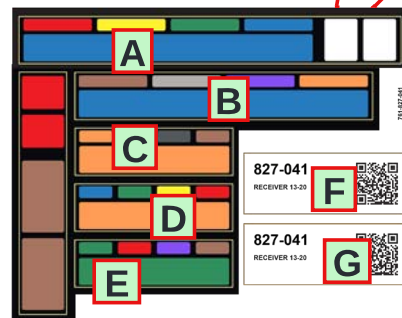
NEW ADDRESS
SETTING = 3

NEW ADDRESS
SETTING = 4

APPLY COLOR CODE
OVERLAYS ON
OUTSIDE OF LID

APPLY NUMBER
OVERLAYS ON BASE
AND COVER

APPLY WIREMAP
OVERLAY INSIDE LID

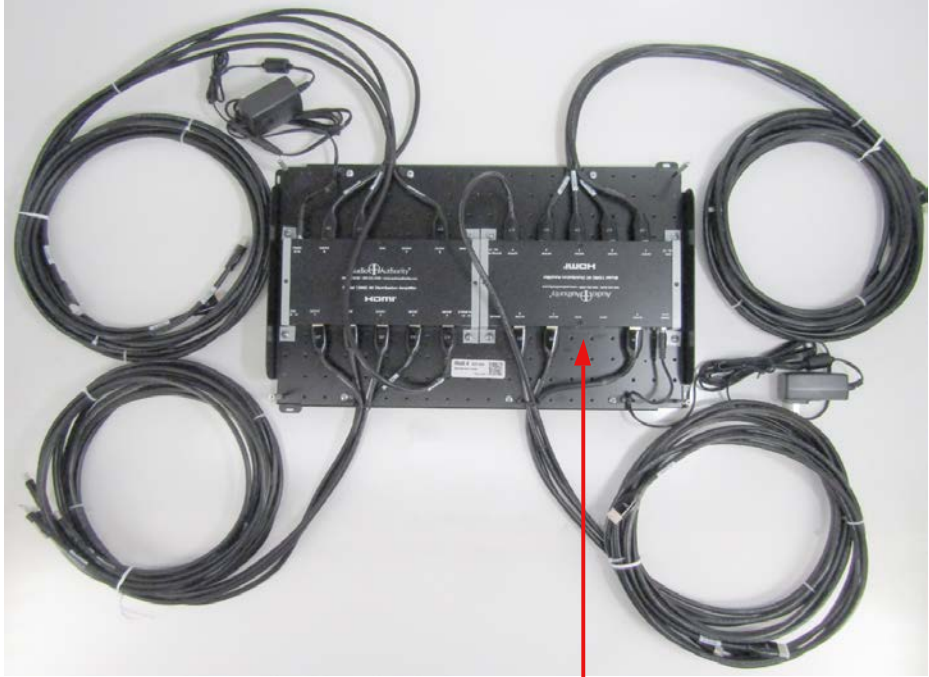


**HOW TO CHANGE 827-003
TO 827-041 (RECEIVERS 13-20)**
REPLACE OVERLAYS AND **CHANGE ADDRESSES** AS NOTED ABOVE

827-006
REC 1-16 HDMI



APPLY NUMBER
OVERLAYS INSIDE
AND OUTSIDE



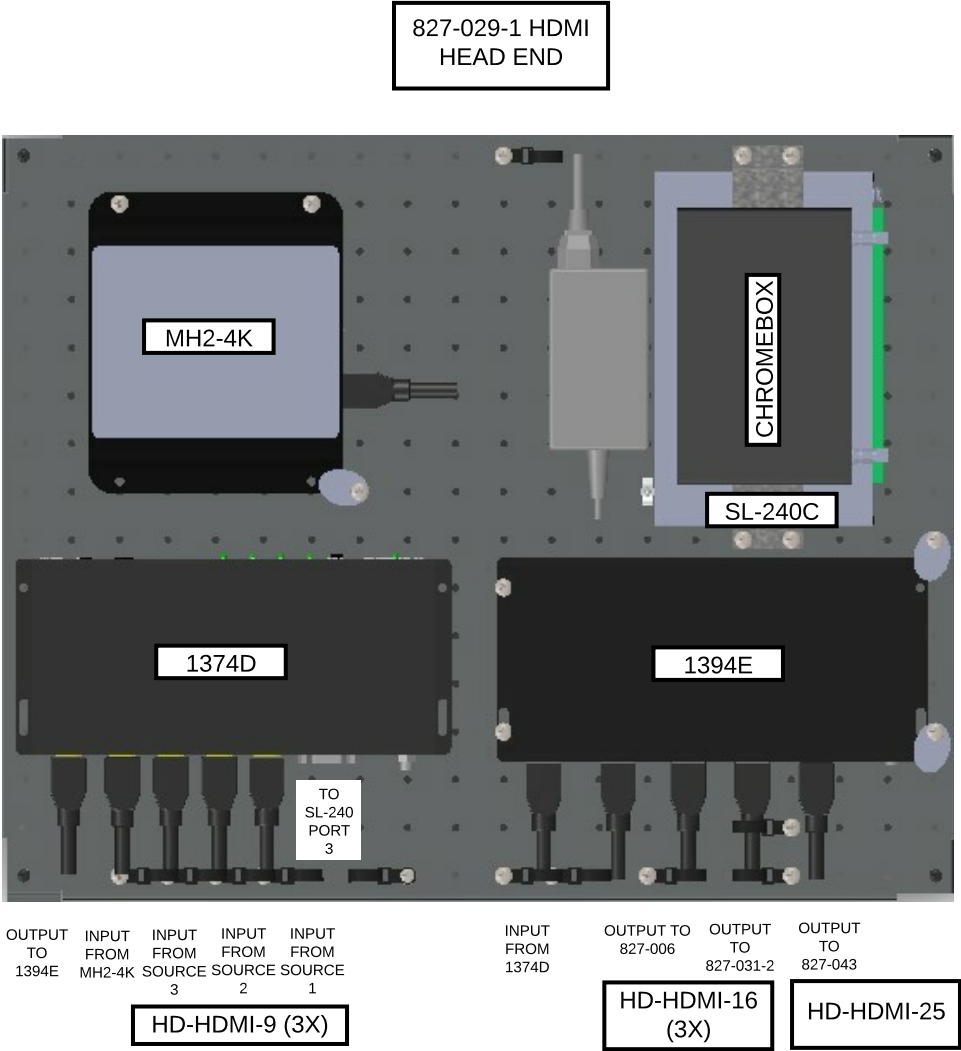
REMOVE HDMI CABLES
REC 13-16

HOW TO CHANGE 827-006
TO 827-032 (RECEIVERS 1-12 HDMI)
REPLACE OVERLAYS AND **CHANGE CABLES** AS NOTED ABOVE

827-032
REC 1-12 HDMI



APPLY NUMBER
OVERLAYS INSIDE
AND OUTSIDE



HOW TO CHANGE 827-029-1 TO 827-029 (HDMI HEAD)

REPLACE OVERLAYS AND **CHANGE CABLES** AS NOTED ABOVE

APPLY NUMBER OVERLAYS INSIDE AND OUTSIDE

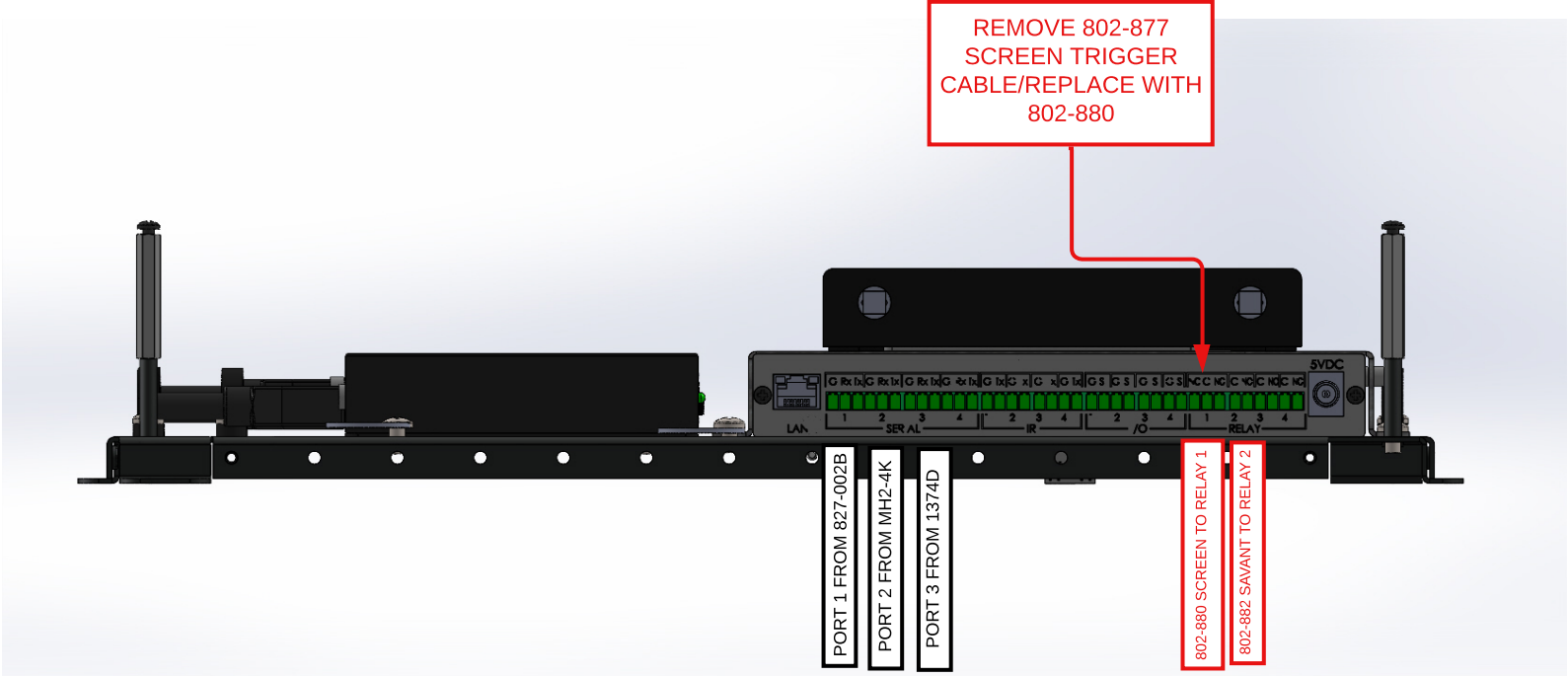


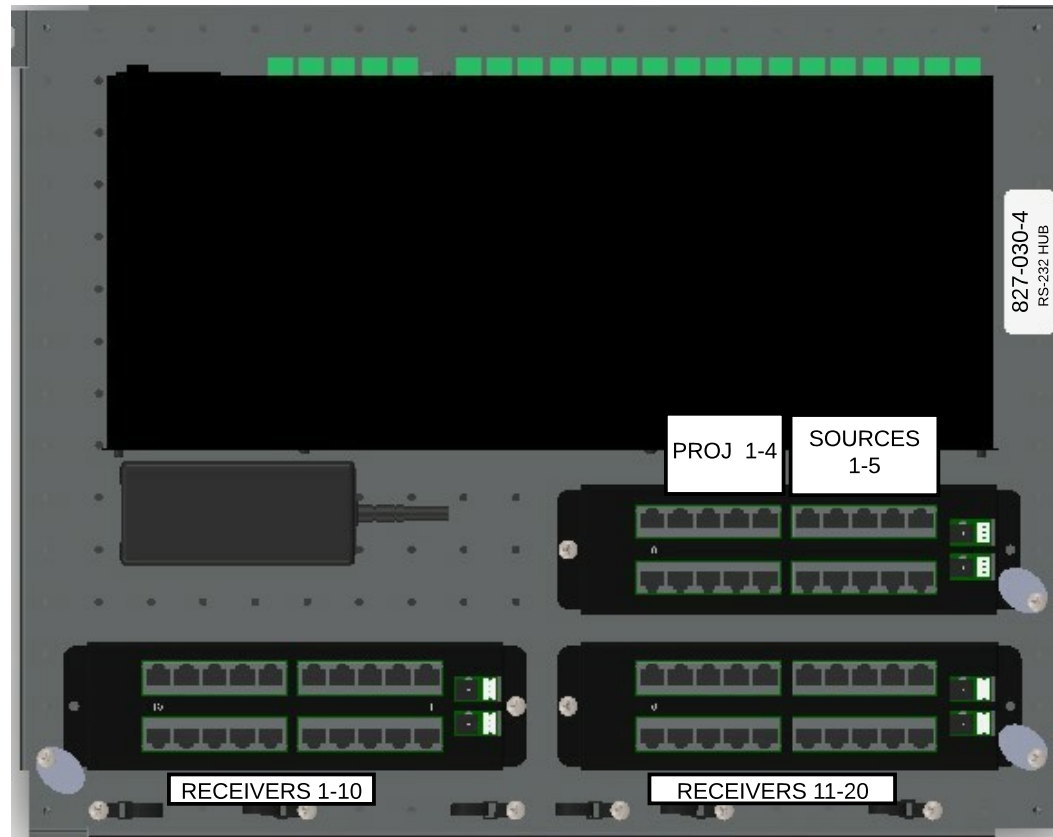
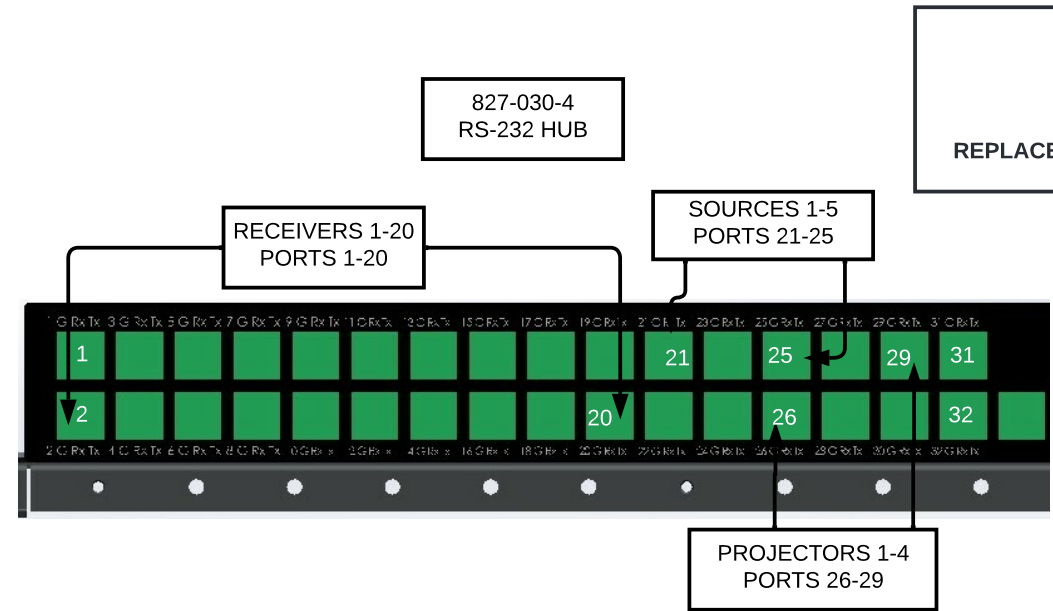
HD-HDMI-16 (2X) TO 827-032

REMOVE HD-HDMI-16 REPLACE WITH HD-HDMI-25 TO 827-043

MOVE HD-HDMI-25 REPLACE WITH HD-HDMI-50A TO WALL 3 827-032-1

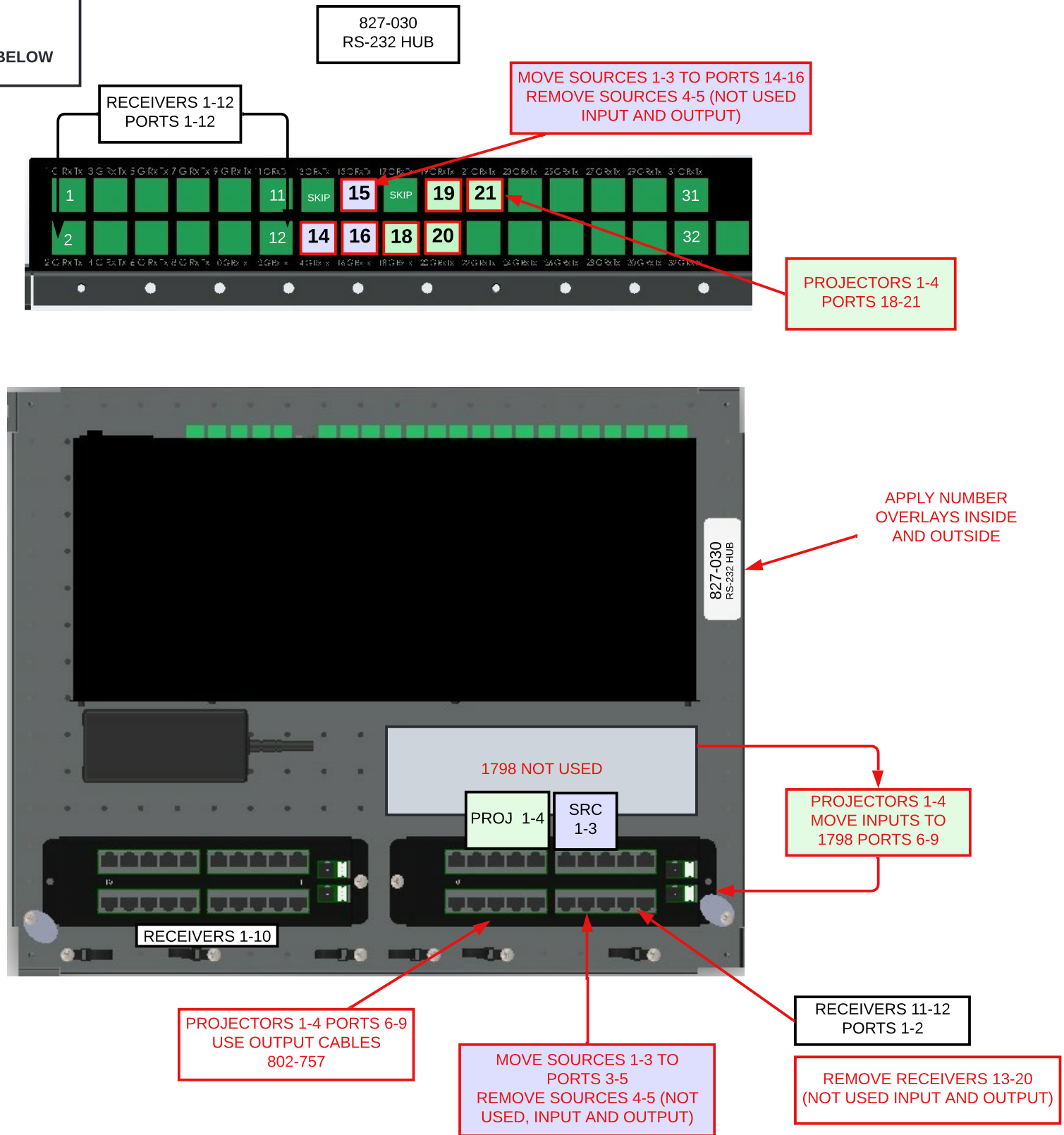
REMOVE 802-877 SCREEN TRIGGER CABLE/REPLACE WITH 802-880

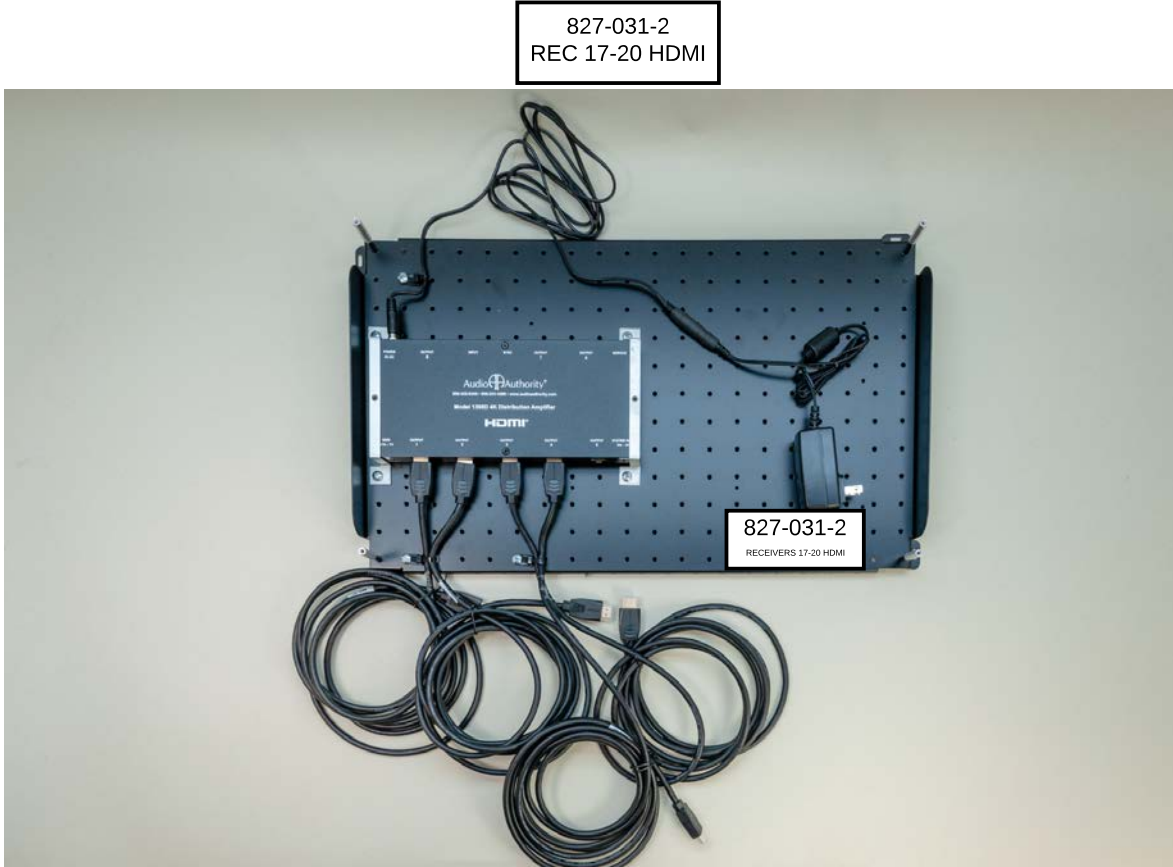




HOW TO CHANGE 827-030-4
TO 827-030 (RS-232 HUB)

REPLACE OVERLAYS AND **CHANGE CABLES** AS NOTED BELOW





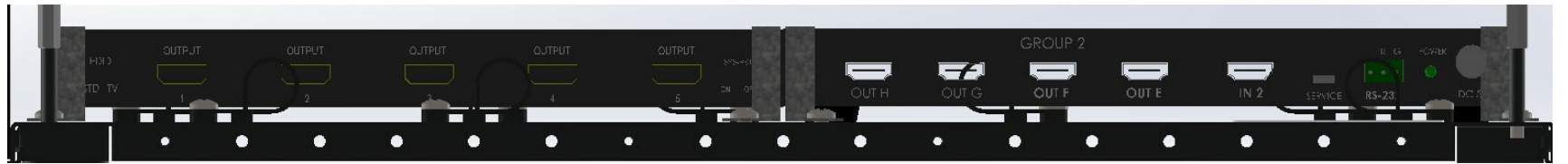
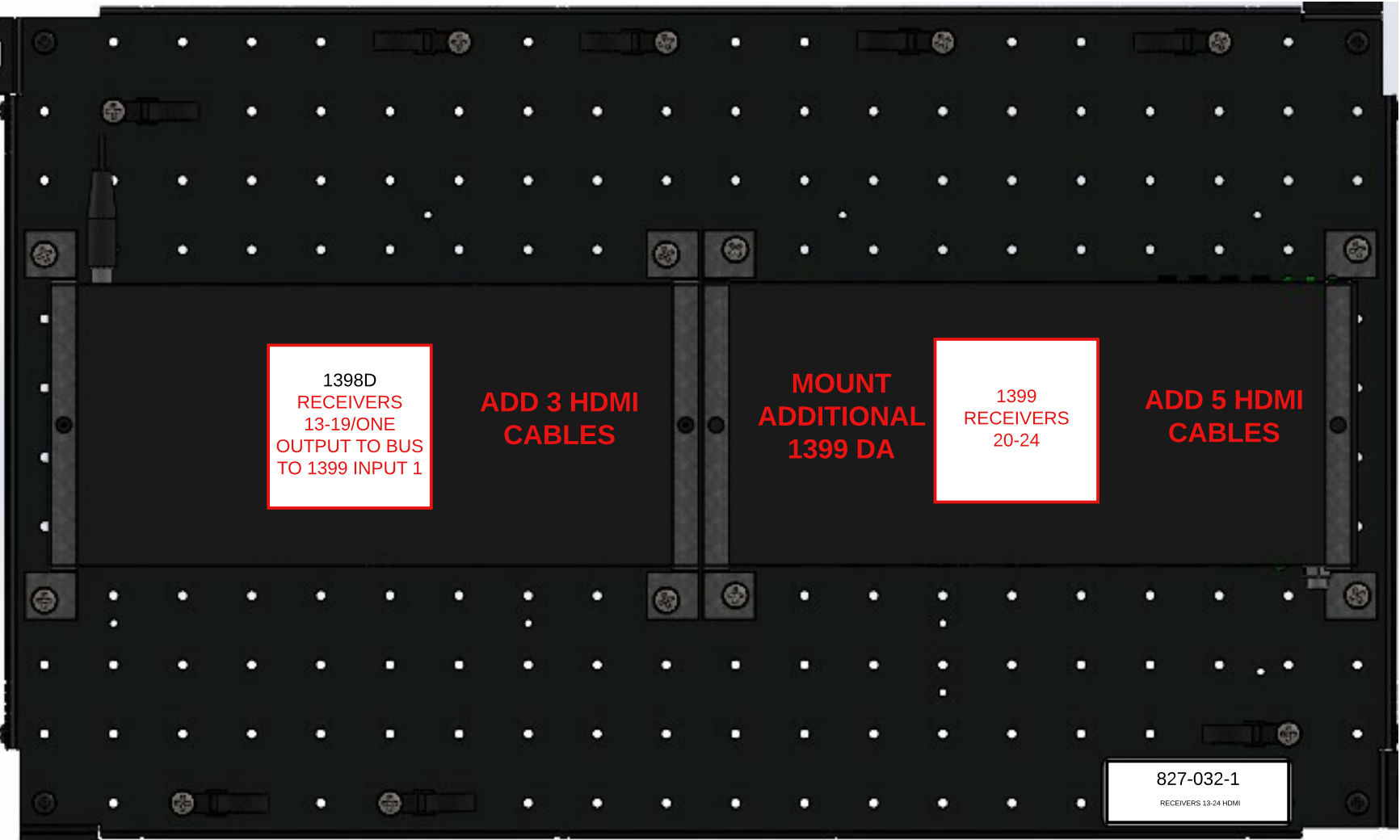
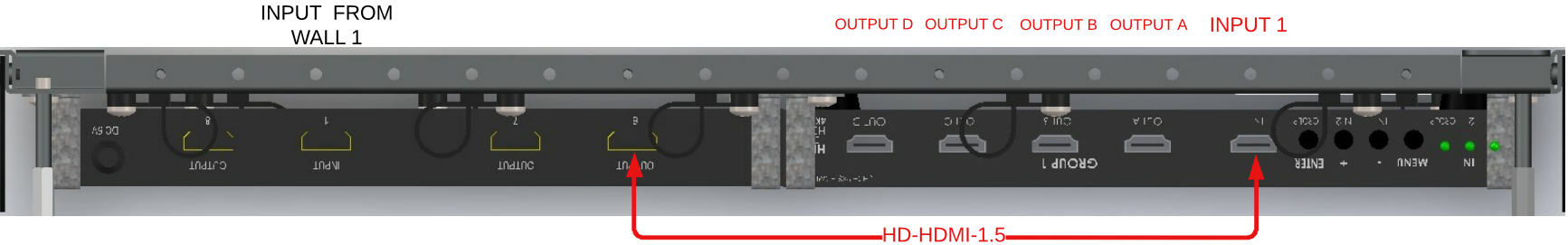
HD-HDMI-9 (4X)

APPLY NUMBER
OVERLAYS INSIDE
AND OUTSIDE

**HOW TO CHANGE 827-031-2
TO 827-032-1 (RECEIVERS 13-24 HDMI)**

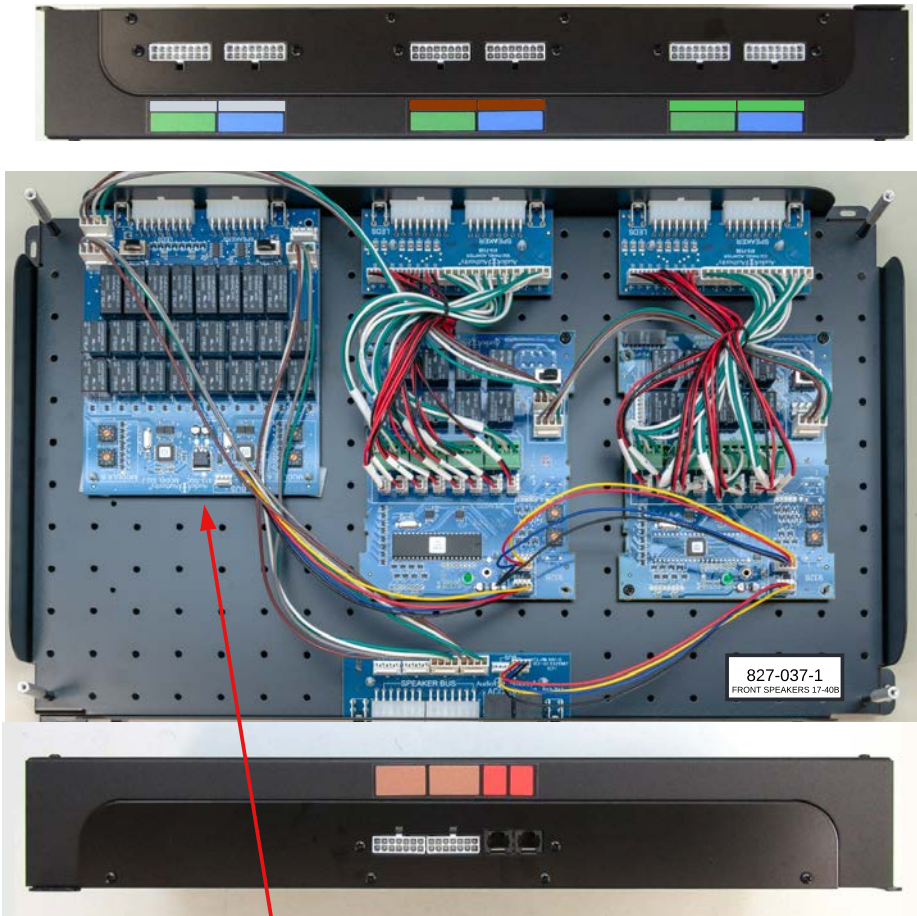
REPLACE OVERLAYS AND **CHANGE CABLES** AS NOTED ABOVE

**ANY OUTPUT TO
ANY RECEIVER**

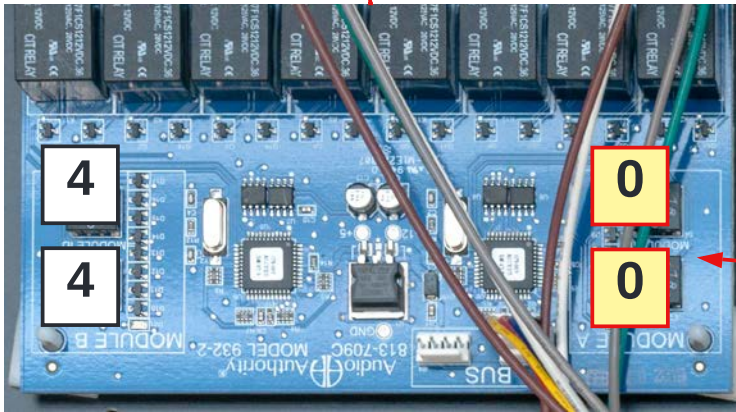
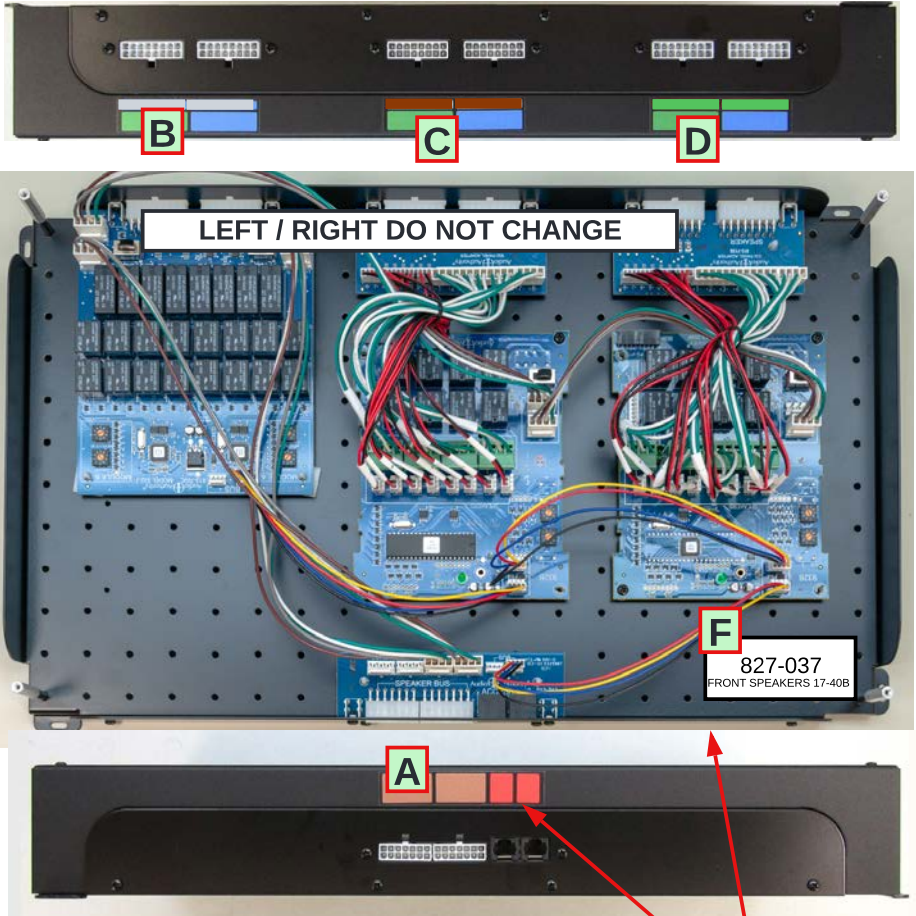


OUTPUT E

827-037-1 SPEAKERS 17-40
FRONT RIGHT/9-16 REAR LEFT



827-037 SPEAKERS 17-40
FRONT RIGHT

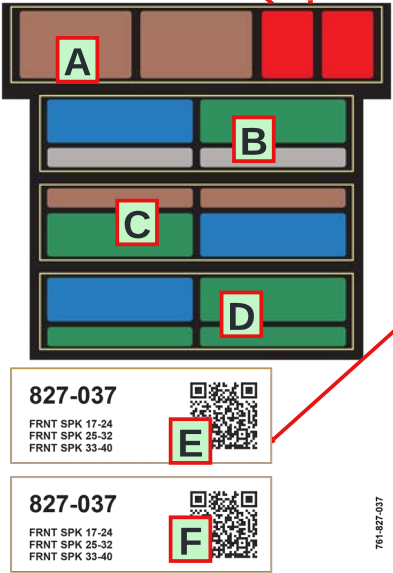


HOW TO CHANGE 827-037-1
TO 827-037 (SPEAKERS 17-40B)
REPLACE OVERLAYS AND **CHANGE ADDRESSES** AS NOTED

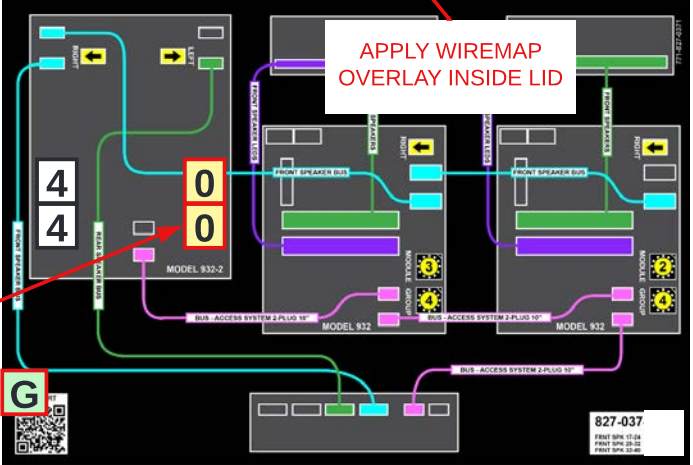
NEW ADDRESS
SETTING = 0 0

REPLACE OERLAY A-D
ONLY IF MISSING OR
DAMAGED

APPLY NUMBER
OVERLAYS INSIDE
AND OUTSIDE



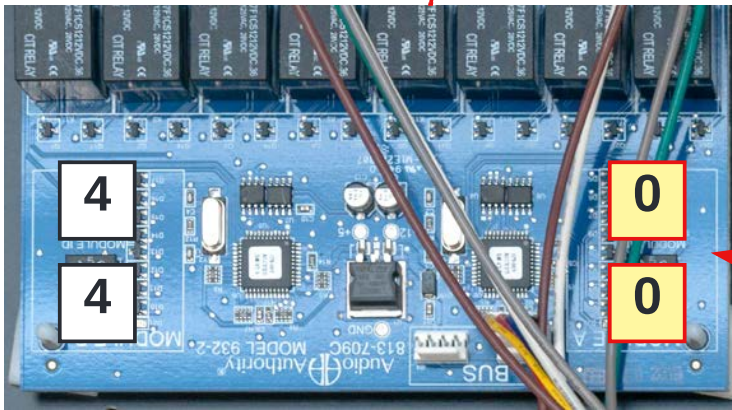
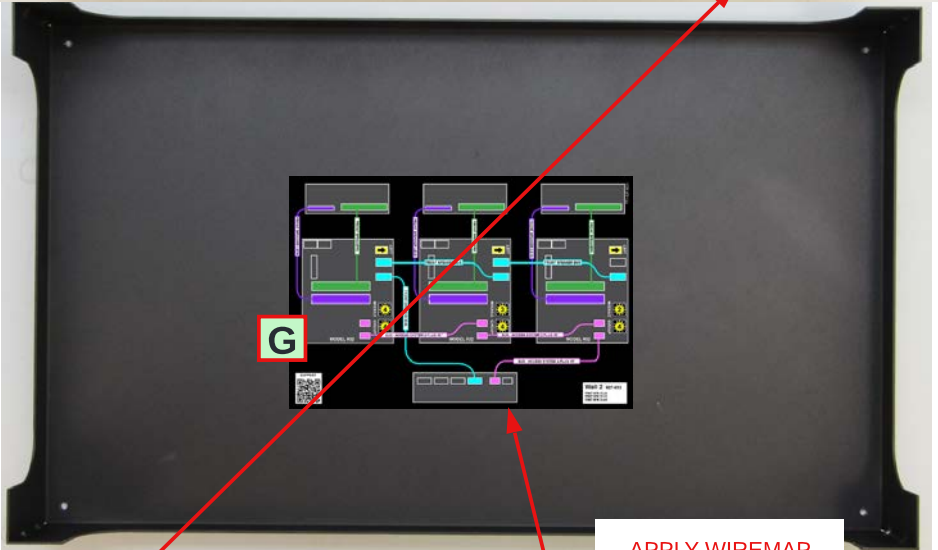
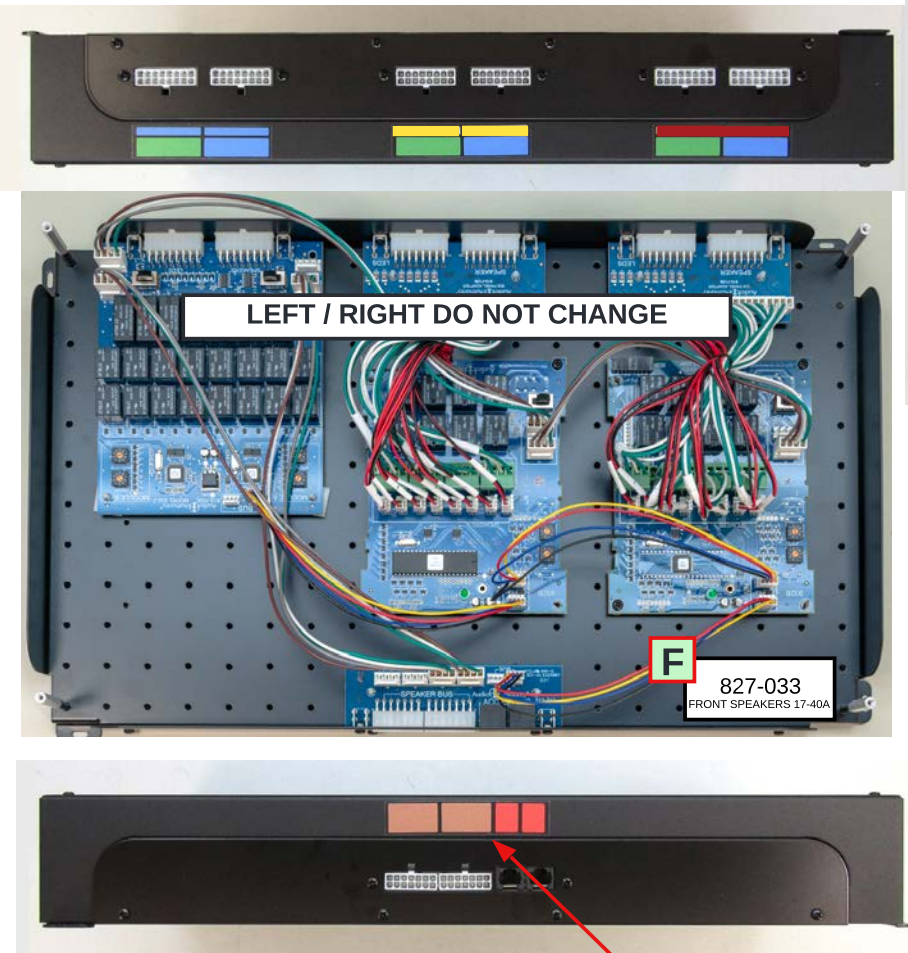
NEW ADDRESS
SETTING = 0 0



827-033-1 SPEAKERS 17-40 FRONT
LEFT/9-16 REAR RIGHT



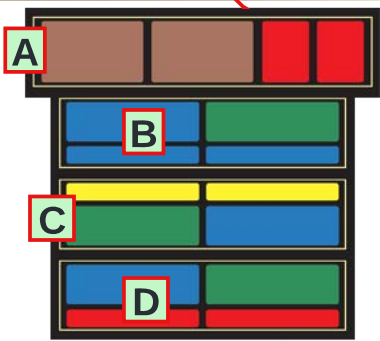
827-033 SPEAKERS 17-40 FRONT
LEFT



**HOW TO CHANGE 827-033-1
TO 827-033 (SPEAKERS 17-40A)**
REPLACE OVERLAYS AND **CHANGE ADDRESSES** AS NOTED

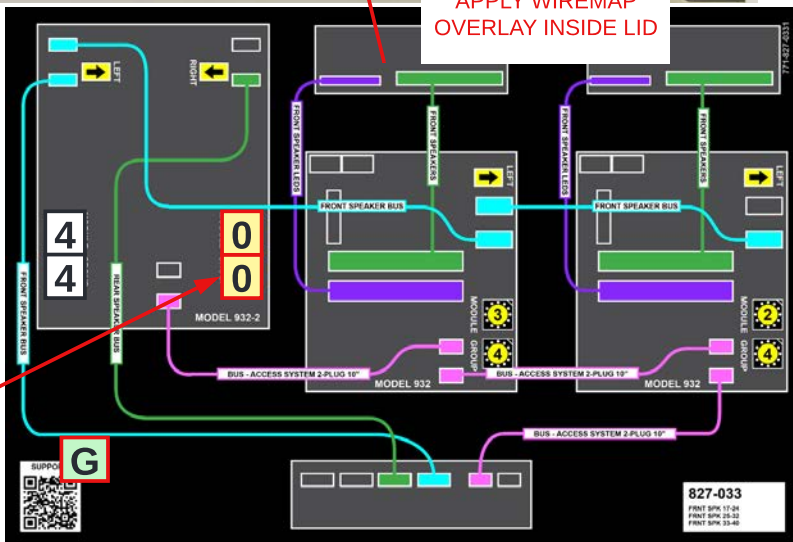
**NEW ADDRESS
SETTING = 0 0**

APPLY NUMBER
OVERLAYS ON BASE
AND COVER

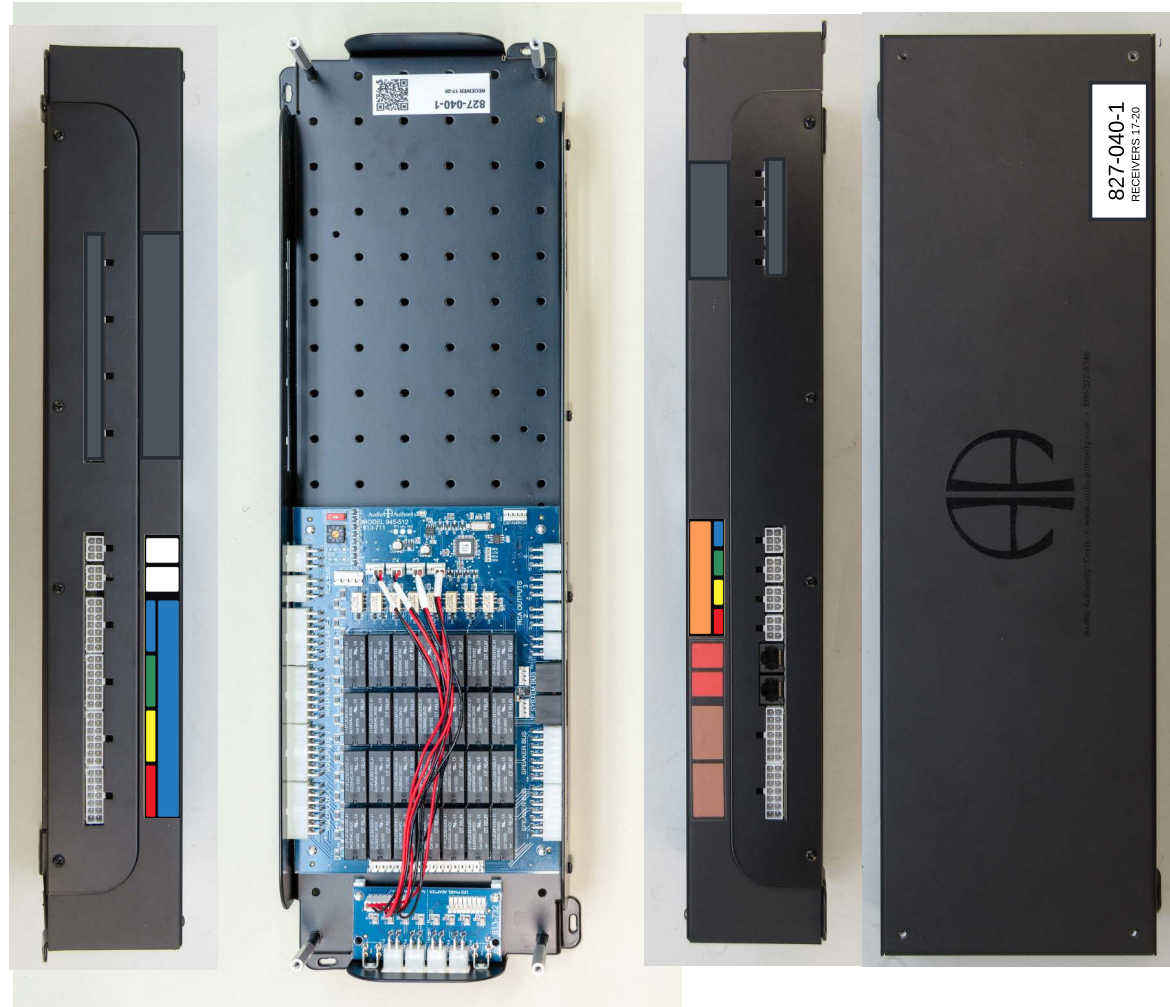


REPLACE OVERLAY
A-D ONLY IF MISSING
OR DAMAGED

**NEW ADDRESS
SETTING = 0 0**

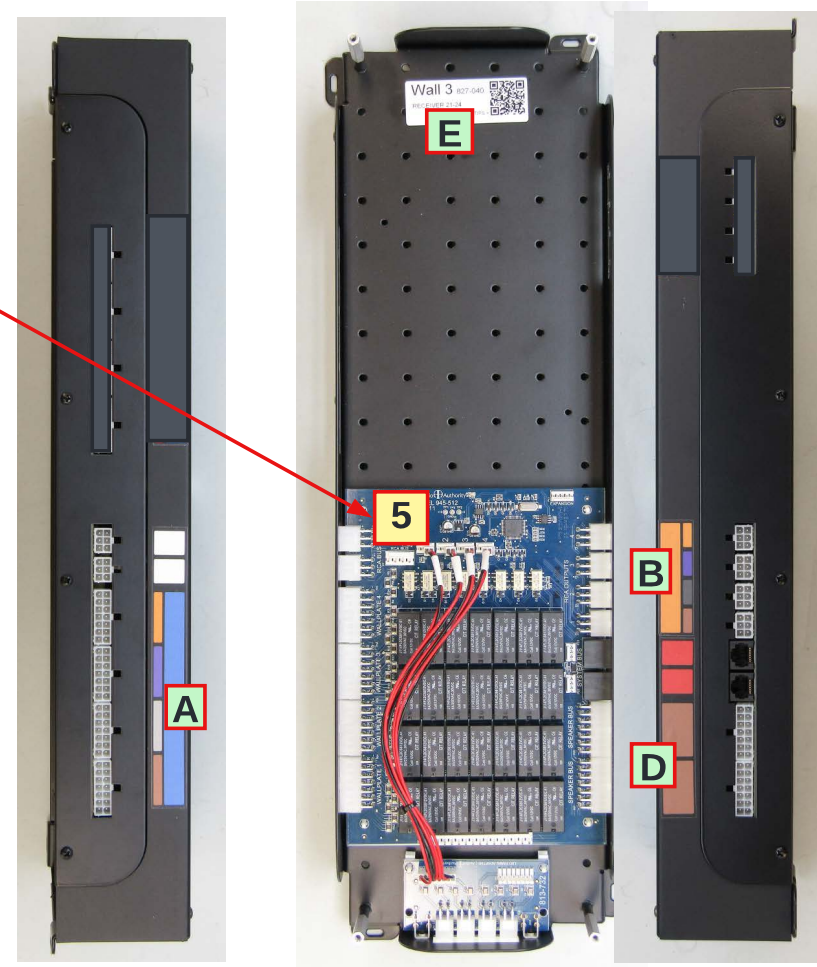


827-040-1
REC 17-20



827-040
REC 21-24

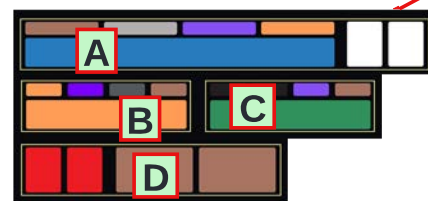
NEW ADDRESS
SETTING = 5



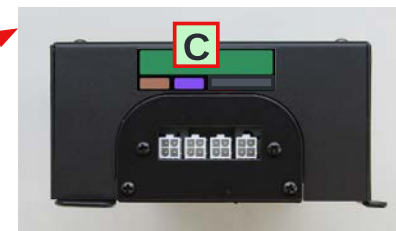
HOW TO CHANGE 827-040-1 TO 827-040 (RECEIVERS 21-24)

REPLACE OVERLAYS AND **CHANGE ADDRESSES** AS NOTED ABOVE

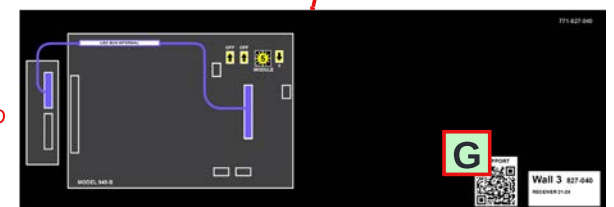
APPLY COLOR CODE
OVERLAYS ON
OUTSIDE OF LID



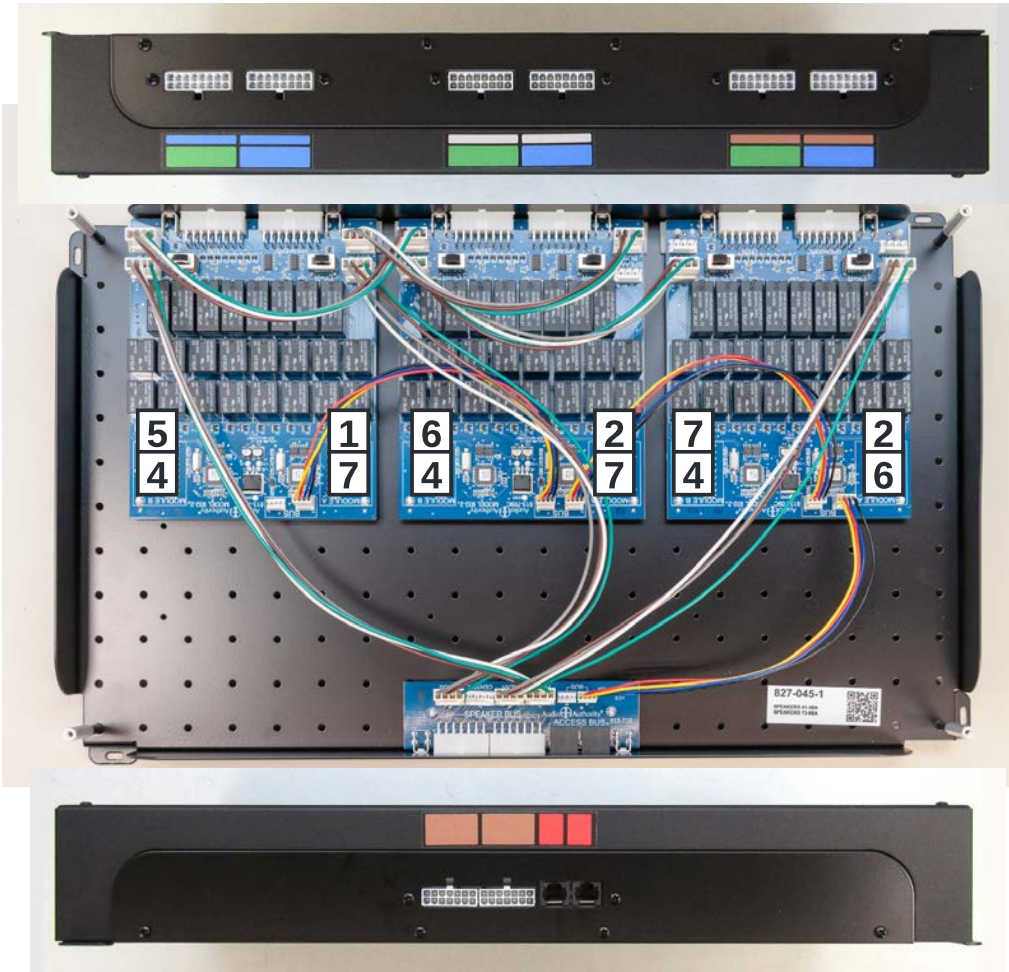
APPLY NUMBER OVERLAYS
ON BASE AND LID



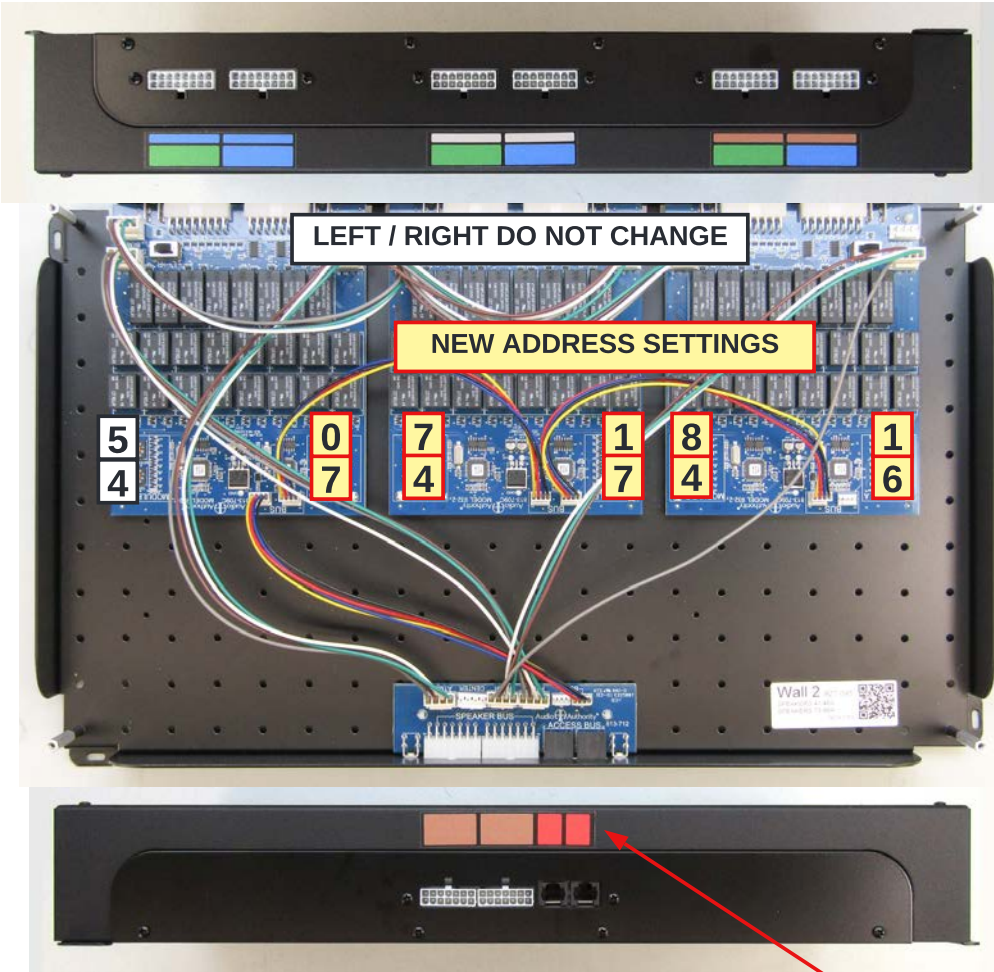
APPLY WIREMAP
OVERLAY INSIDE LID



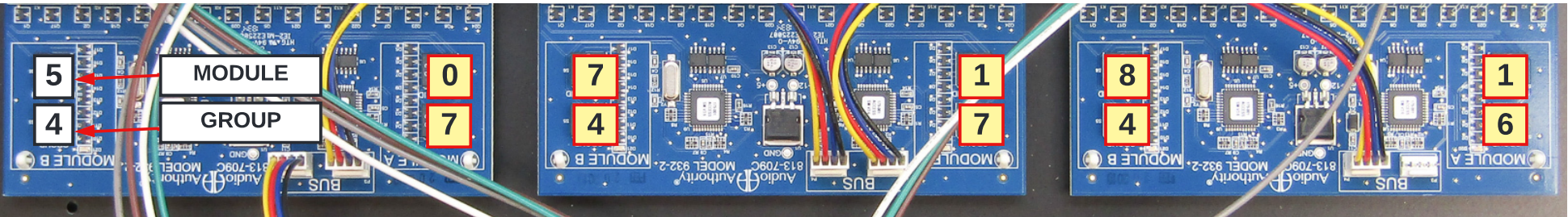
827-045-1 SPEAKERS 41-48A SPEAKERS 73-86A



827-045 SPEAKERS 41-48A SPEAKERS 73-86A

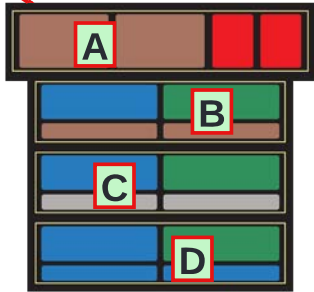


NEW ADDRESS SETTINGS

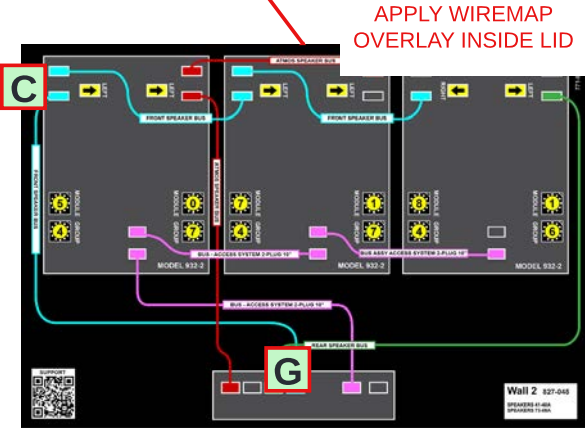


HOW TO CHANGE 827-045-1
TO 827-045 (SPEAKERS 41-48A/73-86A)
REPLACE OVERLAYS AND **CHANGE ADDRESSES** AS NOTED ABOVE

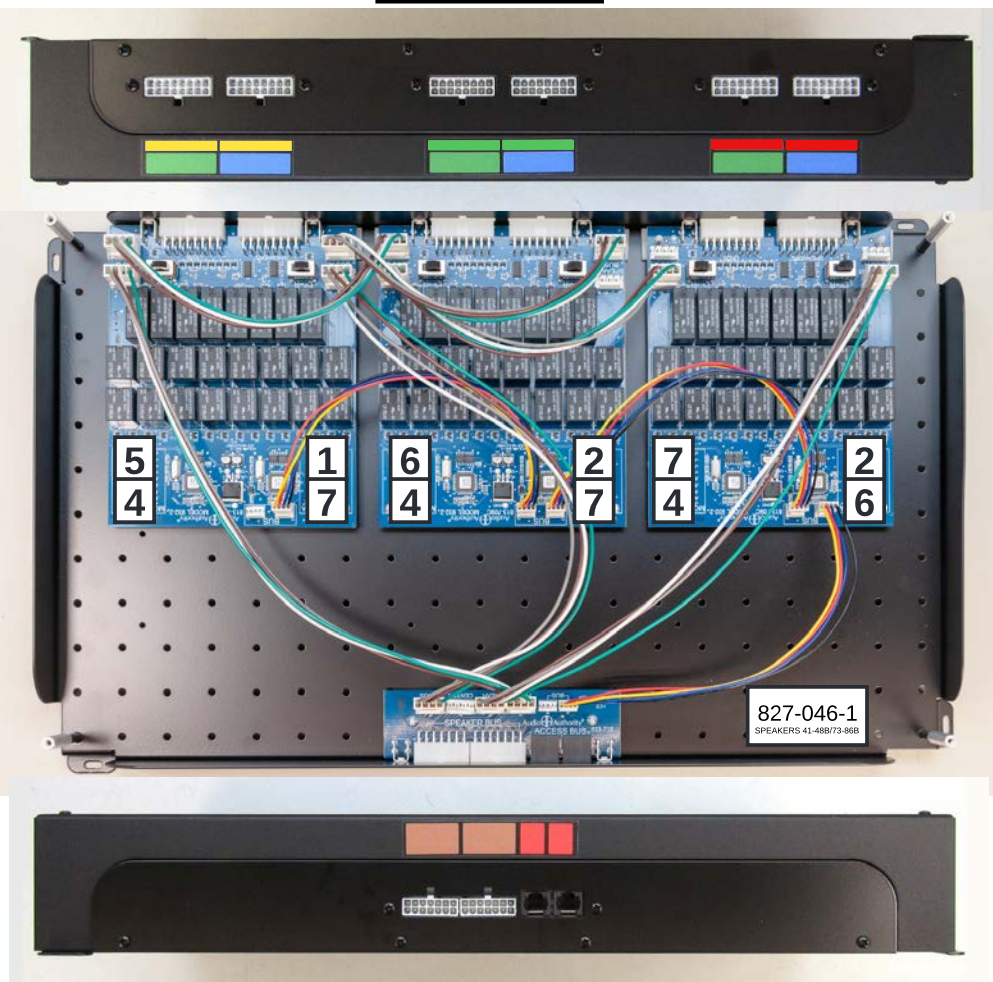
REPLACE LABELS A-D
ONLY IF MISSING OR
DAMAGED



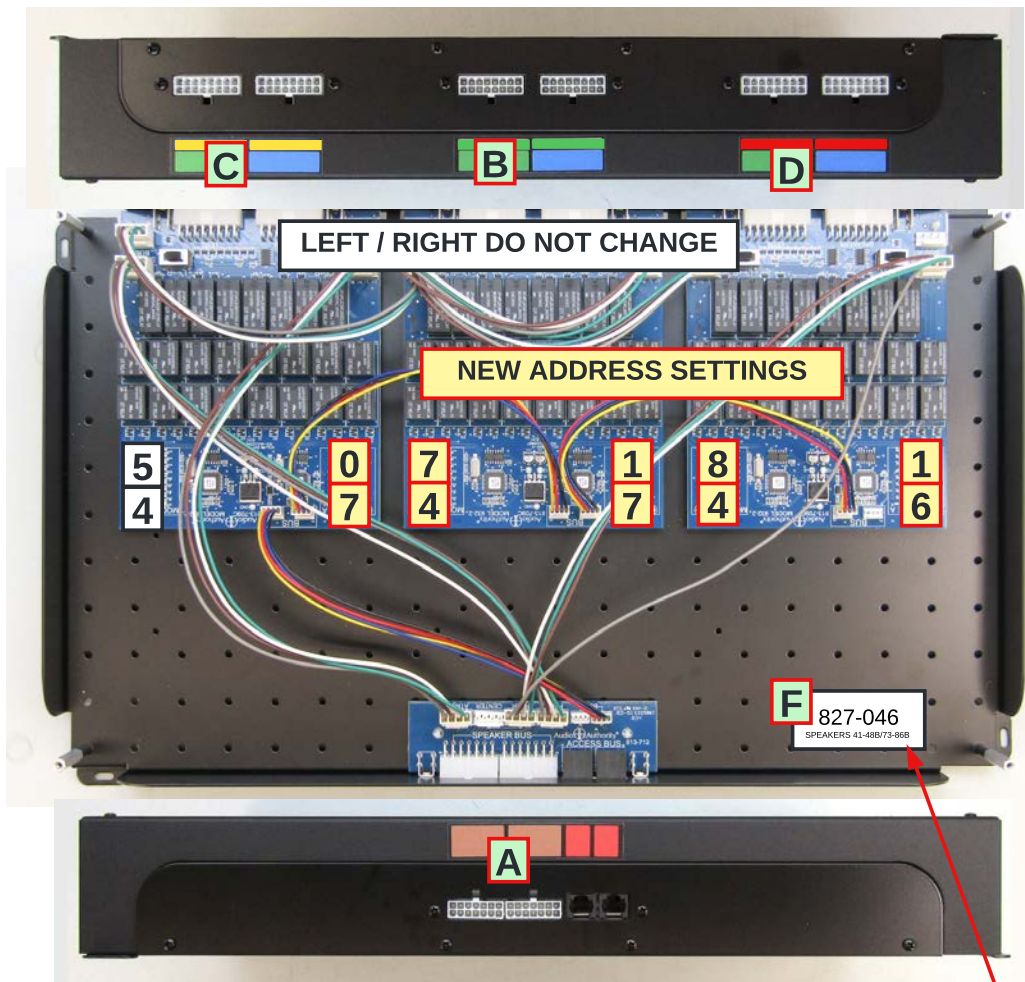
APPLY
NUMBER
OVERLAYS



827-046-1
SPEAKERS 41-48B
SPEAKERS 73-86B

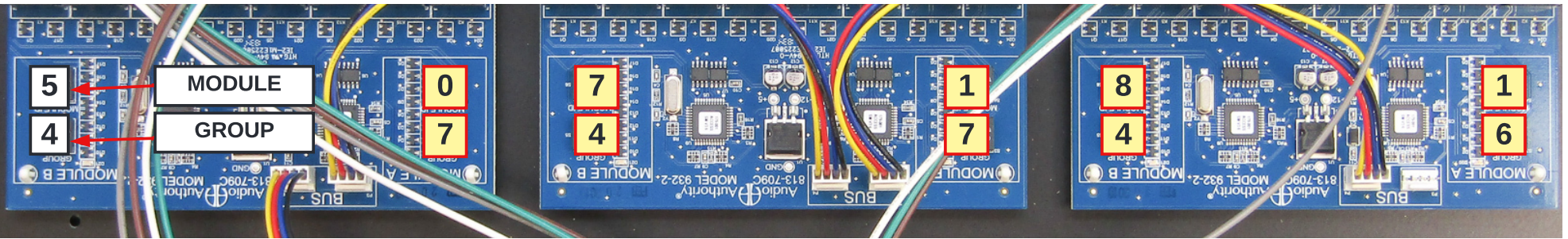


827-046
SPEAKERS 41-48B
SPEAKERS 73-86B

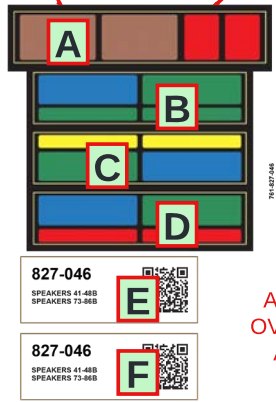


HOW TO CHANGE 827-046-1
TO 827-046 (SPEAKERS 41-48B/73-86B)
REPLACE OVERLAYS AND **CHANGE ADDRESSES** AS NOTED

NEW ADDRESS SETTINGS



REPLACE LABELS A-D
ONLY IF MISSING OR
DAMAGED



APPLY NUMBER
OVERLAYS INSIDE
AND OUTSIDE

APPLY WIREMAP
OVERLAY INSIDE LID

