TOOLS REQUIRED

2.5MM AND 4MM ALLEN KEY

10MM SPANNER

Parts

(A) X1

(B) X1

(C) X1

(D) X2

1

TILT UNIT BACK SLIGHTLY SO THAT UNIT CAN BE MOVED INTO POSITION

2 FITTING PRODUCT

4 OFF POS

3

REMOVE FRONT PANEL SO THAT HOLES CAN BE MADE FOR PRODUCT LINE-UP

4

MS-EL602
XS-F65CWB
SG-F77W
SG-S10W

TEMPLATED ON WOODEN PANEL ARE CUTTER GUIDES THAT INDICATE THE AREAS WHERE SPEAKER CUTOUTS ARE TO BE MADE

5

ADDITONAL TEMPLATES CAN USUALLY ALSO BE FOUND WITHIN THE PRODUCT BOXES

6"
150 mm

136.0 mm
(5.35")

Signature Series
6.5" Speakers
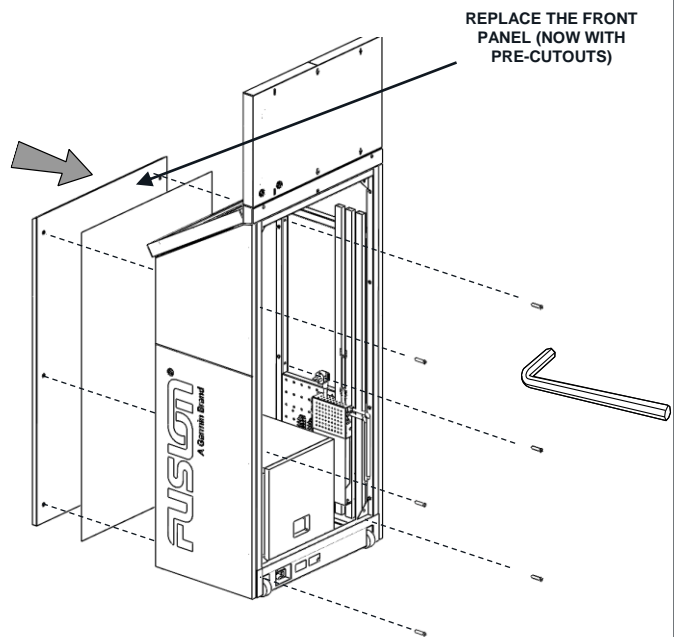
FUSION®

6

6"
150 mm

136.0 mm
(5.35")

Signature Series
6.5" Speakers

FUSION

MADE SURE ALL THE CUTOUTS REQUIRED ARE DONE AT THIS STAGE. SPACING OUT USING THE LOCATION TEMPLATE PROVIDED
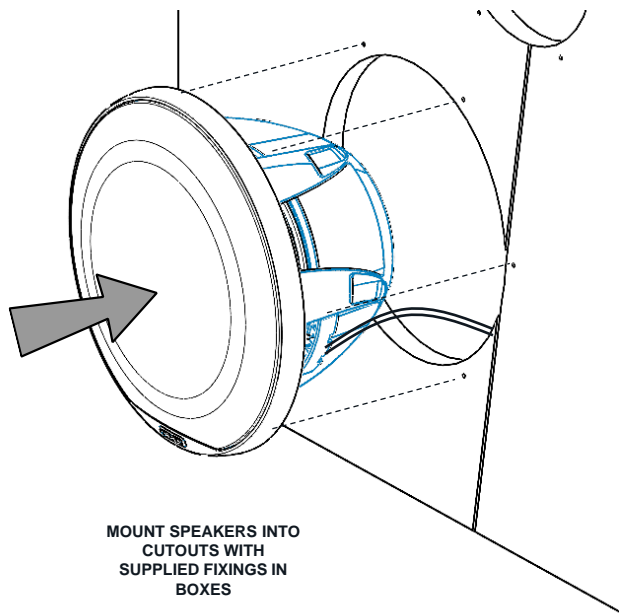
① ② 12.7 mm (10 in.) ③ 4.50 mm (3/16 in.) ④
⑤

GARMIN.

7

REPLACE THE FRONT PANEL (NOW WITH PRE-CUTOUTS)

8

MOUNT SPEAKERS INTO CUTOUTS WITH SUPPLIED FIXINGS IN BOXES

9

WITH 10MM SPANNER LOOSEN OFF THESE LOCKING NUTS, SO THAT TOP PLATFORM CAN BE REMOVED.

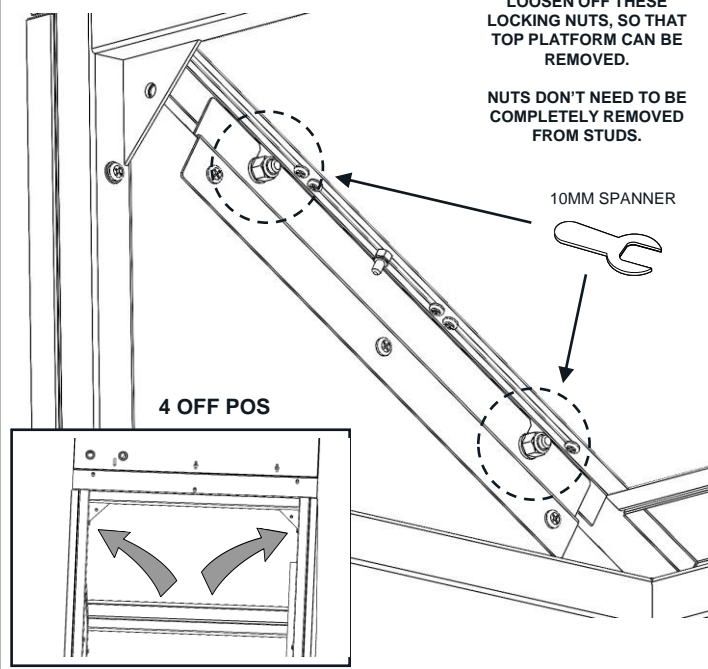NUTS DON'T NEED TO BE COMPLETELY REMOVED FROM STUDS.
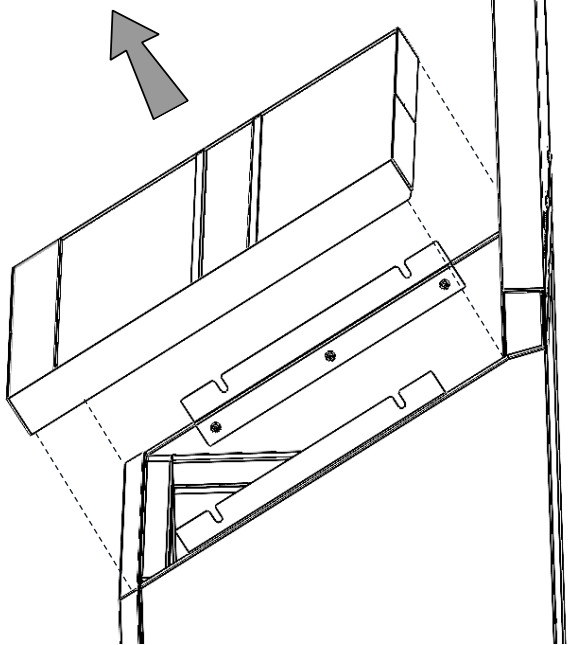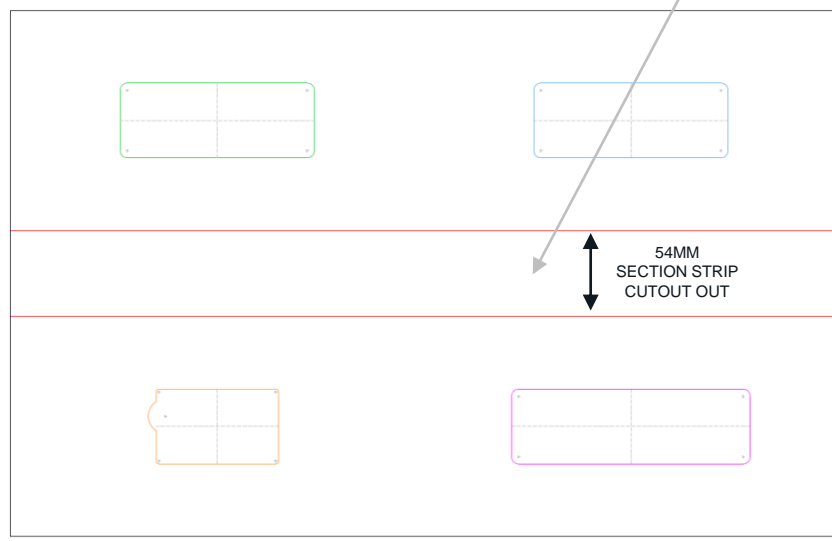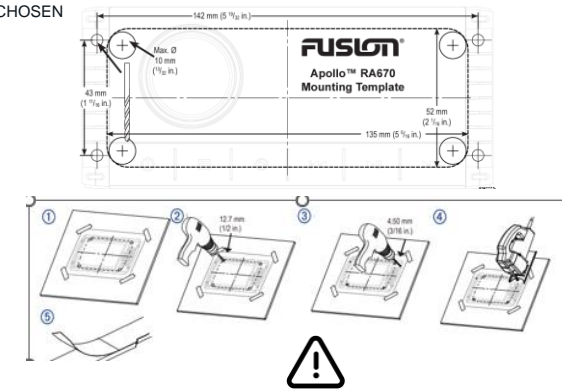
10MM SPANNER

4 OFF POS

10

11

TEMPLATED ON WOODEN PANEL ARE CUTTER GUIDES THAT INDICATE THE AREAS WHERE SPEAKER CUTOUTS ARE TO BE MADE

— CUT LINES FOR SECOND TICKET RETAINER
— MS-RA770
— MS-RA670
— MS-RA60
— MS-ERX400

THE 2 TIER LAYOUT REQUIRES THE REMOVAL OF A 53MM STRIP TO CREATE SLOT FOR THE PART D TICKET STRIP TRAY.
THIS 53MM STRIP CAN BE CUT ALONG ANY POSITON TO ENSURE THAT THE SPACING IS CORRECT RELATIVE TO THE PRODUCTS CHOSEN

54MM SECTION STRIP CUTOUT OUT

FUSION
Apollo™ RA670
Mounting Template

142 mm (5 ⁹⁄₁₆ in.)
Max. Ø 10 mm (¹³⁄₃₂ in.)
43 mm (1 ¹¹⁄₁₆ in.)
52 mm (2 ¹⁄₁₆ in.)
135 mm (5 ⁵⁄₁₆ in.)
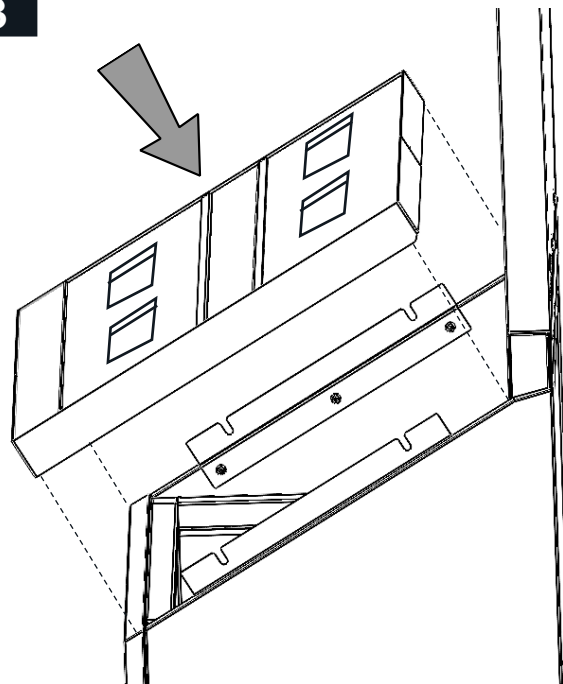
① ② 12.7 mm (½ in.) ③ 4.50 mm (3/16 in.) ④
⑤

BEFORE CUTTING ANY HOLES FOR PRODUCT THE TEMPLATES FOR PRODUCTS MUST BE PRINTED OUT TO SCALE ON PAPER AND PLACED ONTO PART C BLANK PLATE TO ENSURE CHOSEN LINE-UP ISN'T TO LARGE FOR 2 TIER LAYOUT.
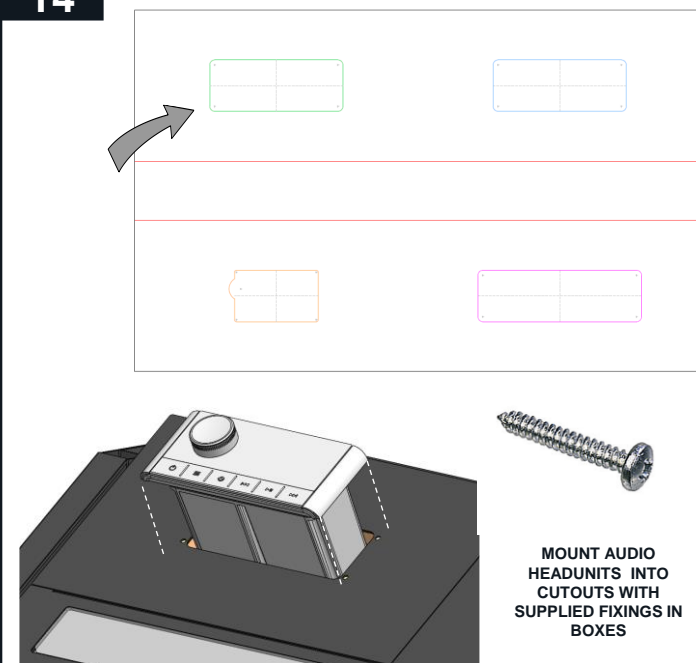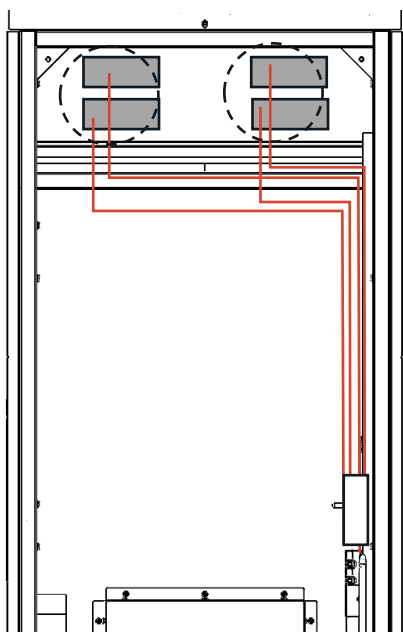
12

13

14

MOUNT AUDIO HEADUNITS INTO CUTOUTS WITH SUPPLIED FIXINGS IN BOXES
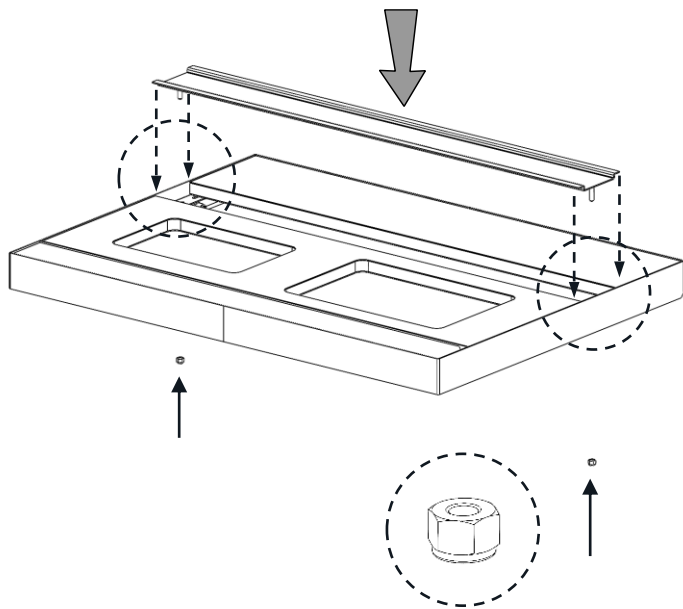
15

OUT OF THE BACK OF THE HEAD UNIT ARE MULTIPLE CABLES.
TO POWER THE UNIT PLEASE LOOK FOR:
RED POSITIVE CABLE
BLACK NEGATIVE CALBE
ON SOME OF THE UNITS THERE IS ALSO A <u>YELLOW IGNITION</u> **CABLE WHICH NEED TO BE CRIMPED WITH THE RED CABLE.**
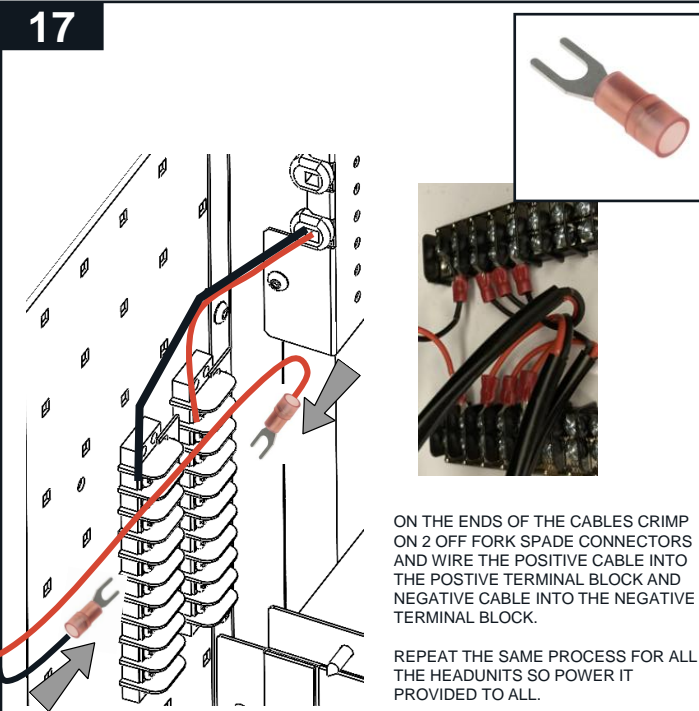
JOIN THE ENDS WITH BUTT SPINE CONNECTORS. JOINING INTO THE 2 CORE CABLE CREATED.

THE SUPPLIED 6M 16 AWG TO CORE CABLE /BLACK AND RED. CUT LENGTH 1.5M 6OFF LENGHTS
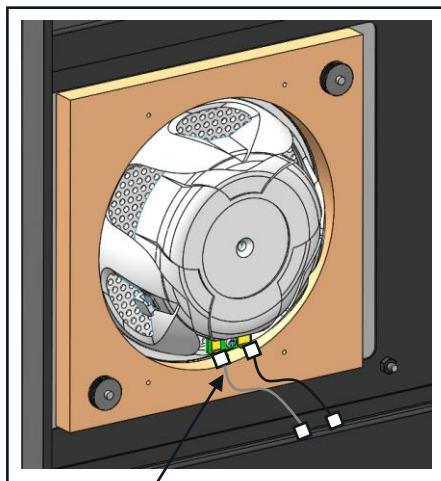
+ −
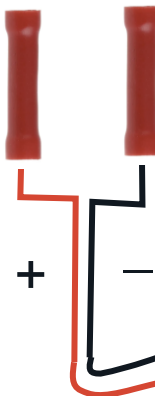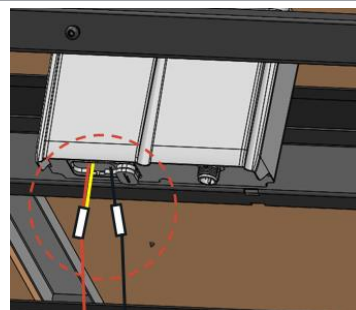
17

ON THE ENDS OF THE CABLES CRIMP ON 2 OFF FORK SPADE CONNECTORS AND WIRE THE POSITIVE CABLE INTO THE POSTIVE TERMINAL BLOCK AND NEGATIVE CABLE INTO THE NEGATIVE TERMINAL BLOCK.

REPEAT THE SAME PROCESS FOR ALL THE HEADUNITS SO POWER IT PROVIDED TO ALL.

GARMIN.

15

ON THE BACK OF EACH SPEAKER IS A SHORT POSITIVE AND NEGATIVE CABLE LOOM WITH SPADE CONNECTORS

16
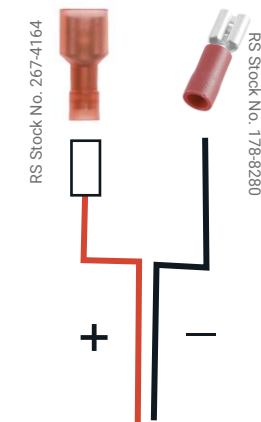
POSITIVE WHITE   NEGATIVE BLACK/WHITE
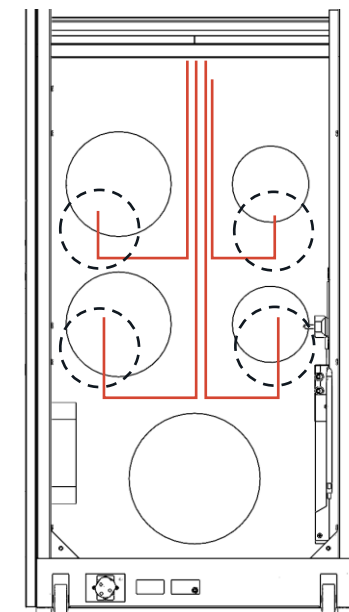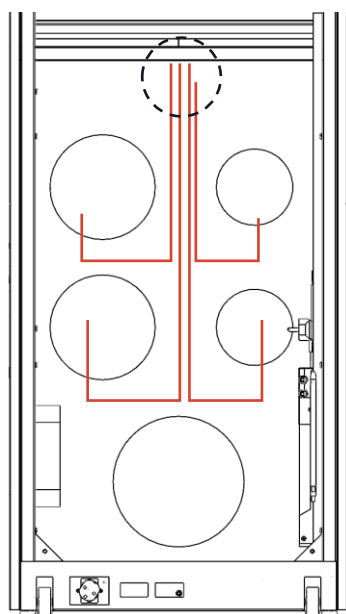

FUSION
EL SERIES

17

USE 4 OFF CORE CABLE LOOMS **1.5M LENGTH.**

16 AWG 2 CORE CABLE

ALREADY FITTED WITH SPADE CONNECTORS CRIMPED ON TO SUIT SPADE TERMINALS ON SPEAKERS.

RS Stock No. 267-4164   RS Stock No. 178-8280

+   **−**

18

AT THE OTHER END BUTT SPLINE CONNECTORS NEED TO BE FITTED SO THAT THEN CAN BE CRIMPED ONTO THE CABLES COMING OUT OF THE AUDIO HEAD UNITS AT A LATER DATE.
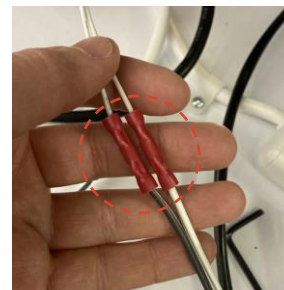
−   **+**
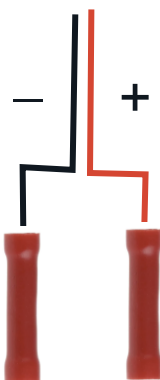
19

EACH PAIR OF SPEAKERS NEED TO BE WIRED INTO THE BACK OF THE HEAD UNIT.

WIRING THE LEFT SPEAKERS LOOM INTO ZONE 1 LEFT SPEAKER, AS LABELED ON THE TAGS ON THE REAR CABLE LOOMS
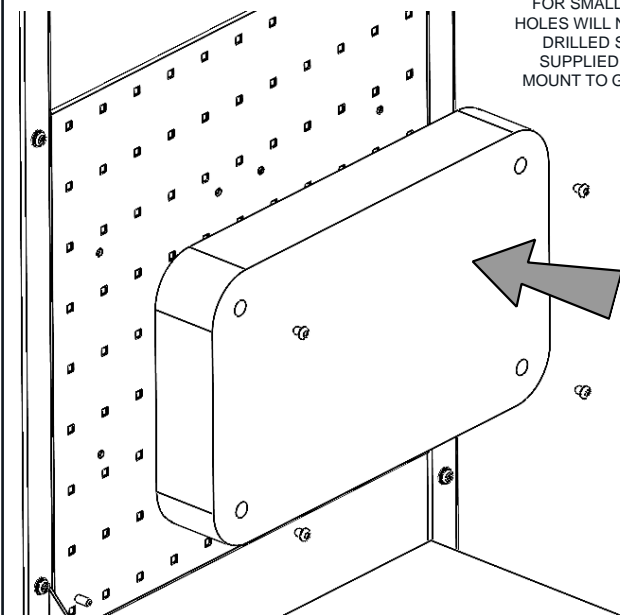AND THE SAME PROCESS FOR ZONE 1 RIGHT SPEAKER.

MAKE SURE POLARITIES ARE CORRECT.

ZONE 1 LEFT SPEAKER
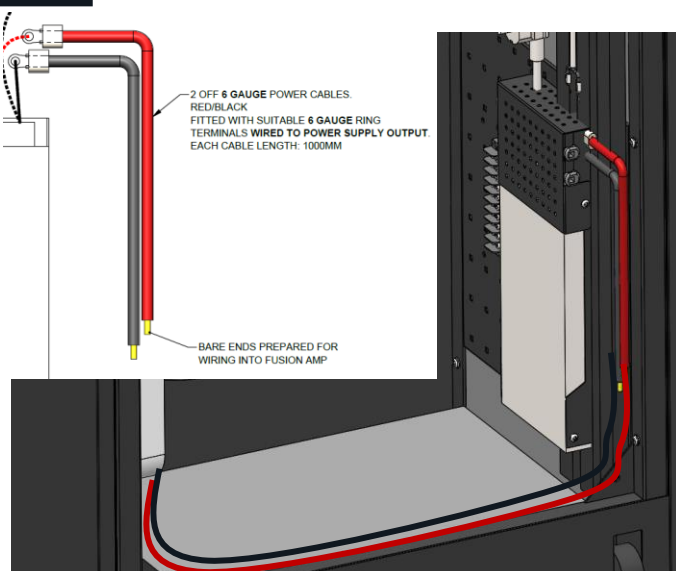
+ve WHITE
−ve WHITE / BLACK

20   **CONNECTING AMP**

FIT AMP TO INSIDE RH FACE OF GEAR TRAY WITH FIXINGS FOR SMALLER AMPS HOLES WILL NEED TO BE DRILLED SO THAT SUPPLIED FIXINGS MOUNT TO GEAR TRAY

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21

2 OFF **6 GAUGE** POWER CABLES.
RED/BLACK
FITTED WITH SUITABLE **6 GAUGE** RING
TERMINALS **WIRED TO POWER SUPPLY OUTPUT.**
EACH CABLE LENGTH: 1000MM

BARE ENDS PREPARED FOR
WIRING INTO FUSION AMP

**FEED ACROSS LARGE THICK 6
GAUGE CABLE
(RED AND BLACK) CABLE TO
AMP**

22

1	Signal Cable, Length 1.5m (single core 16 gauge wire, single insulated black or grey)

IN ORDER FOR AMP TO SWITCH
ON AND OFF WHEN HEAD UNIT IS
POWERED UP IT IS IMPORTANT TO
INTRODUCE THIS SECTION OF
REMOTE CABLE.
THIS WILL THEN BE CONNECTED
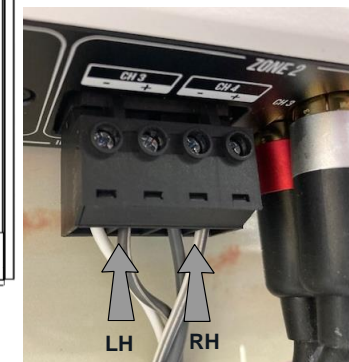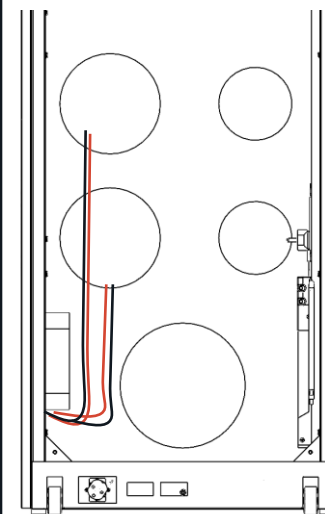TO THE BACK ON THE HEADUNIT
INTO THE AMP ON SWITCH CABLE.

WIRE THE RED AND
BLACK CABLE ITS THIS
TERMINAL BLOCK ON
AMP

23

A PAIR OF MID SPEAKERS CAN BE
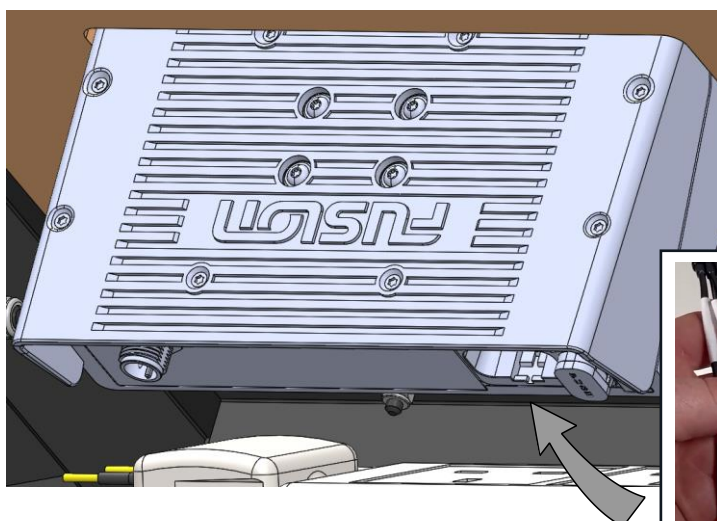CONNECTED TO THE AMP ALONG
WITH A SUB

CONNECT THE CABLED INTO THE
ZONE 2 TERMINAL BLOCKS ON AMP.

MAKE SURE THE LEFT HAND
SPEAKER PLUGS INTO CH 3 AND
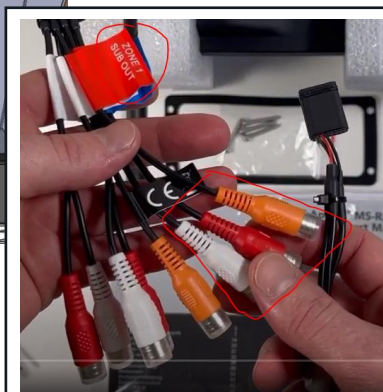RIGHT HAND SPEAKER INTO CH 4
ENSURE POLARITIES ARE CORRECT.

LH   RH

24

**CONNECTING RCA CABLES FOR SPEAKERS AND
MONO SUB**

IN ORDER TO PROVIDE
CORRECT MUSIC INPUT
SIGNAL TO AMP THE HEAD
UNIT NEEDS TO BE
CORRECTED VIA 3 OFF RCA
CABLES.

1 OFF PAIR OF RCA CABLE
FOR THE LH SPEAKER AND
RH SPEAKER 2 CHANNEL
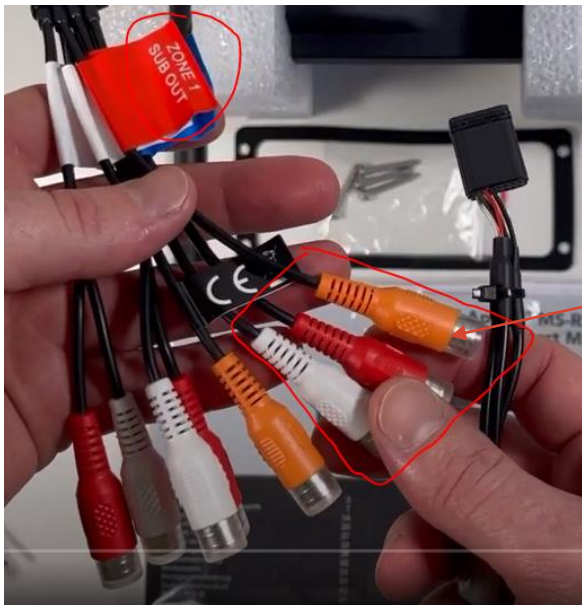
1 OFF SINGLE RCA CABLE
FOR SUB OUTPUT.

25

AGAIN THE CORRECT
CABLES NEED TO BE USED.
SO ZONE 1 NEEDS TO BE
USED.

START BY PLUGING 1 OFF 2
CHANNEL PLUGS INTO THE
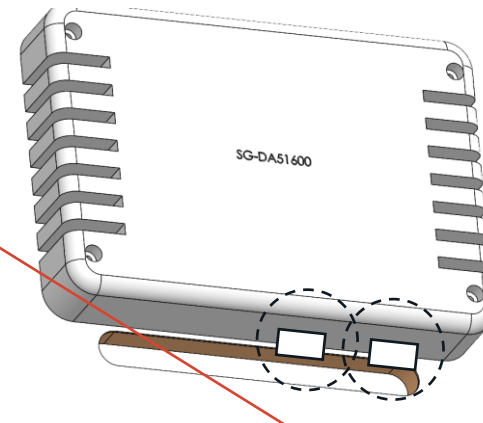RED AND WHITE RCA
CONNECTOR ON BACK OF
HEAD UNIT

GARMIN

26

AND THEN PLUG A
1 CHANNEL RCA CABLE INTO
THE ORANGE CONNECTOR
THIS IS FOR THE
SUBWOOFER OUTPUT.

27 CONNECTING RCA CABLES FOR SPEAKERS AND MONO SUB
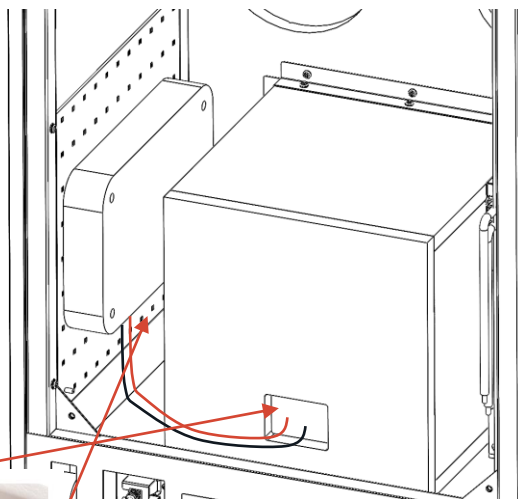

SG-DA51600

PLUG RCA CABLES INTO RCA
TERMINALS ON BOTTOM
EDGE OF AMP
1 OFF 1 CHANNEL INTO
ZONE 3
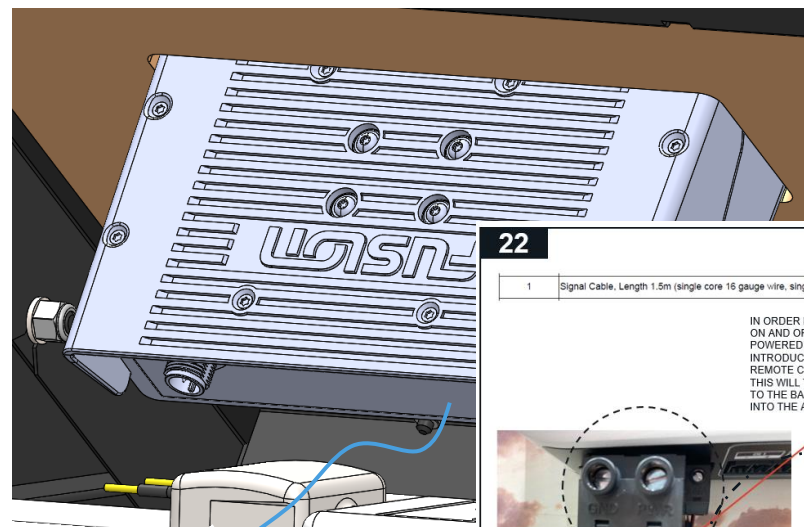1 OFF 2 CHANNEL INTO
ZONE 2

28

SUPPLIED 1 OFF 16AWG 2
CORE CABLE AND CONNECT
TO THE + AND – TERMINAL
ON THE BACK OF THE
SPEAKER

USE THE BUTT SPINE CRIMP
CONNECTORS TO CONNECT
THE 16AWG CABLE

FEED CABLES THROUGH
INTO ZONE 3
TERMINAL BLOCK ON AMP

29

22

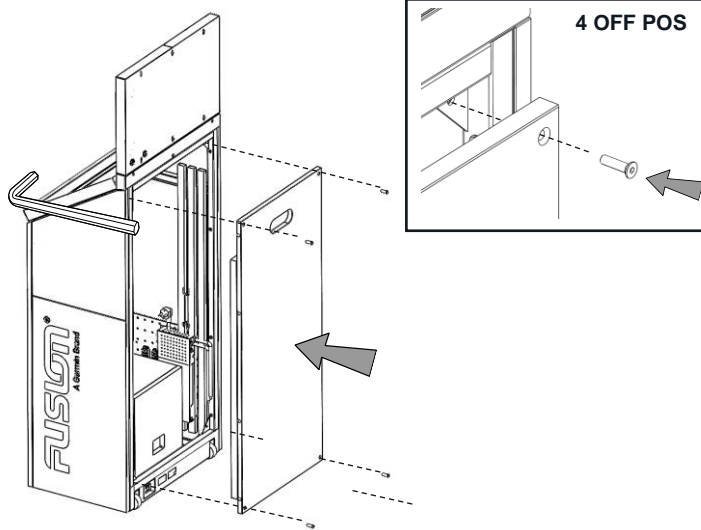| 1 | Signal Cable, Length 1.5m (single core 16 gauge wire, single insulated black or grey) |

IN ORDER FOR AMP TO SWITCH
ON AND OFF WHEN HEAD UNIT IS
POWERED UP IT IS IMPORTANT TO
INTRODUCE THIS SECTION OF
REMOTE CABLE.
THIS WILL THEN BE CONNECTED
TO THE BACK ON THE HEADUNIT
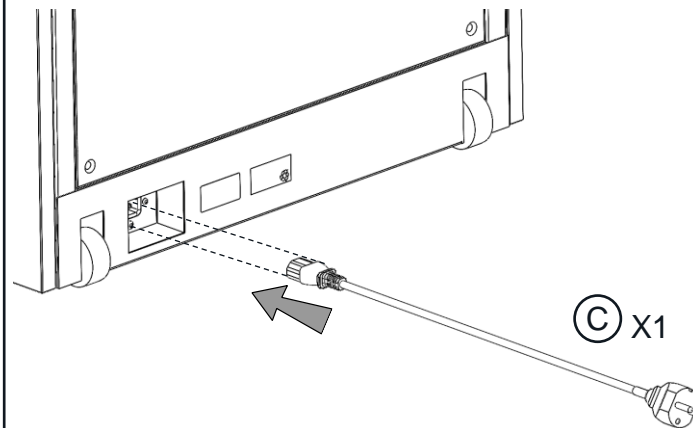INTO THE AMP ON SWITCH CABLE.

NOW THE CABLE THAT WAS
CREATED IN STEP 22 NEEDS
TO BE CONNECTED TO THE
AMPLIFIER ON BLUE CABLE

CONNECT WITH BUTT SPINE
CRIMP CONNECTOR

RS Stock No. 534-288

WIRE THE RED AND
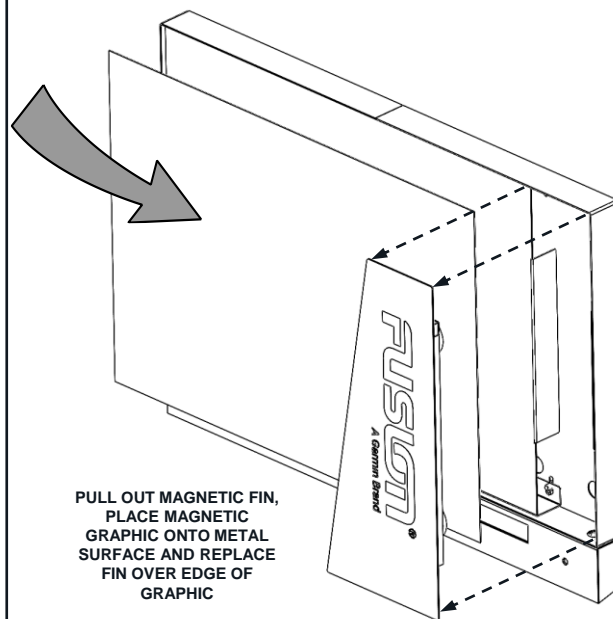BLACK CABLE ITS THIS
TERMINAL BLOCK ON
AMP

GARMIN®

30

4 OFF POS

31

Ⓒ X1

32

Ⓑ X1

Ⓓ X2
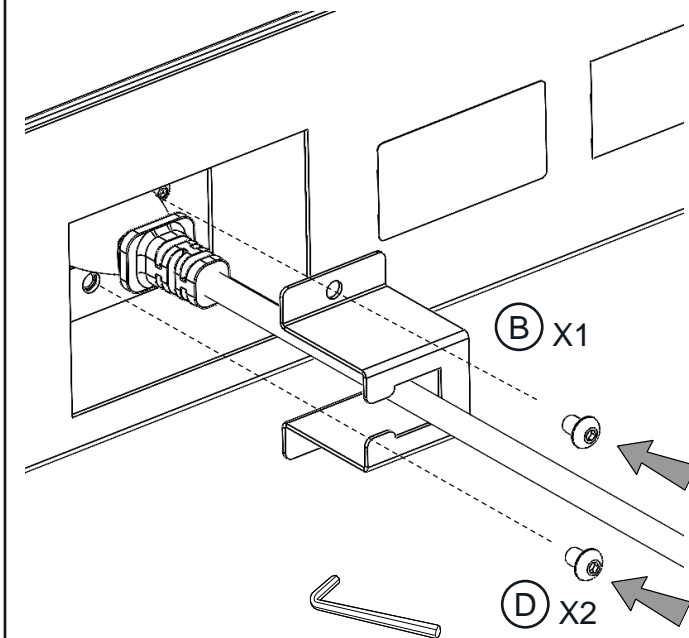
33
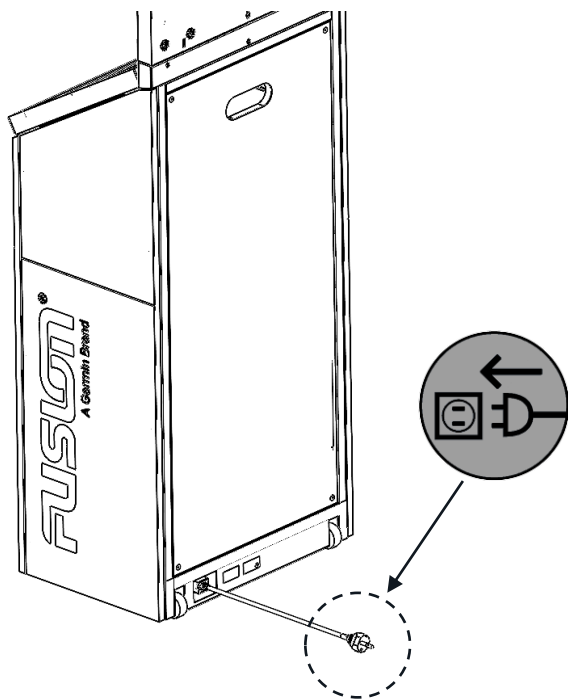
34 ADDING MAGNETIC GRAPHIC

Graphics Not Supplied – to be ordered separately

PULL OUT MAGNETIC FIN, PLACE MAGNETIC GRAPHIC ONTO METAL SURFACE AND REPLACE FIN OVER EDGE OF GRAPHIC

35 ADDING FABRIC LIT GRAPHIC

Graphics Not Supplied – to be ordered separately

PULL OUT MAGNETIC FIN, PUSH SILCONE EDGING OF GRAPHIC INTO LIGHTBOX CHANNEL ALL AROUND PERIMETER REPLACE FIN OVER EDGE OF GRAPHIC

GARMIN.