ALSO WZ16:2

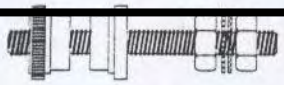
THE WZ14:4:2 RIAA DUAL INPUT OPTION

The **RIAA DUAL INPUT** option is supplied as a pre-tested assembly to be installed in the *ALLEN & HEATH* **MIXWIZARD WZ14:4:2** console. This allows a record turntable to be connected directly to the console via the phono connectors on stereo input channels 11-12 and 13-14.
Access is required to the console internal assemblies. Circuit assembly and soldering is also necessary.
THIS WORK SHOULD ONLY BE CARRIED OUT BY TECHNICALLY COMPETENT PERSONNEL.

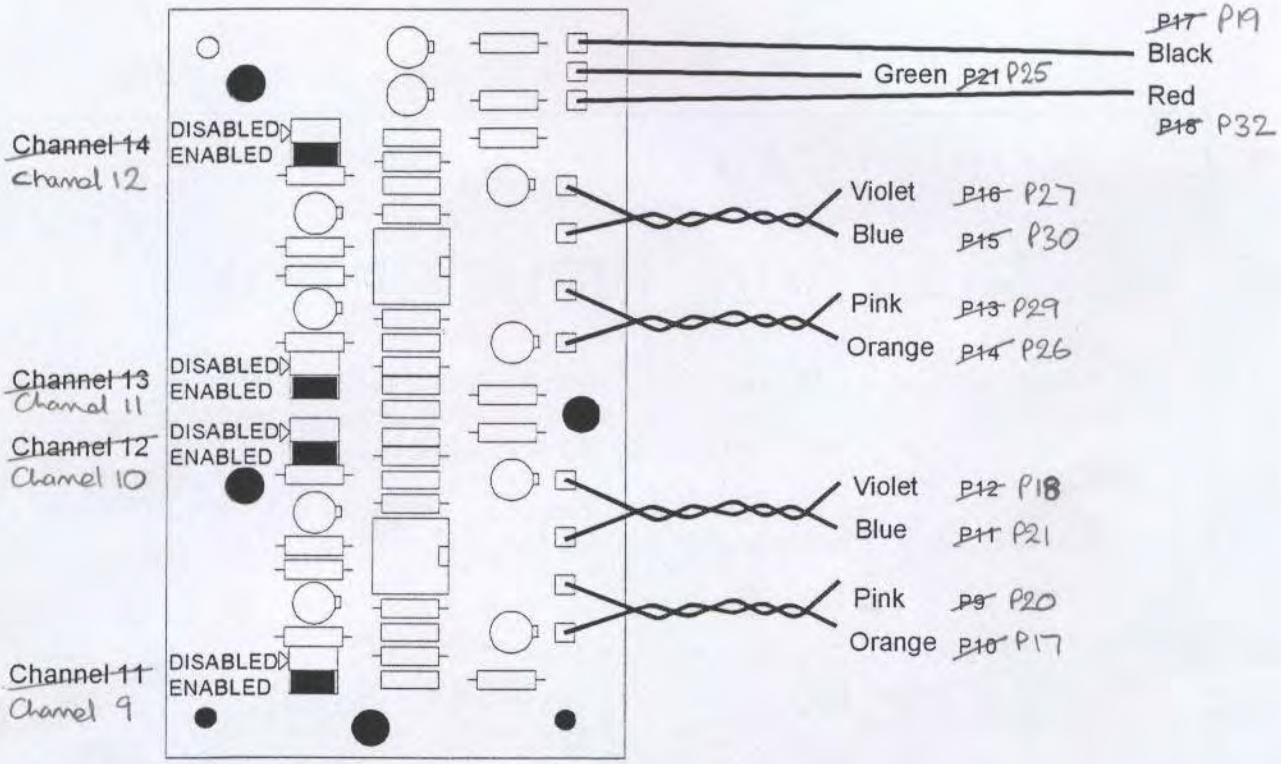
1. CHECK THE CONTENTS OF THE KIT

The option comprises a pre-tested circuit assembly with wiring harness fitted, and fixing hardware.

NOTE: WZ16:2 instructions added uin red and marked with *



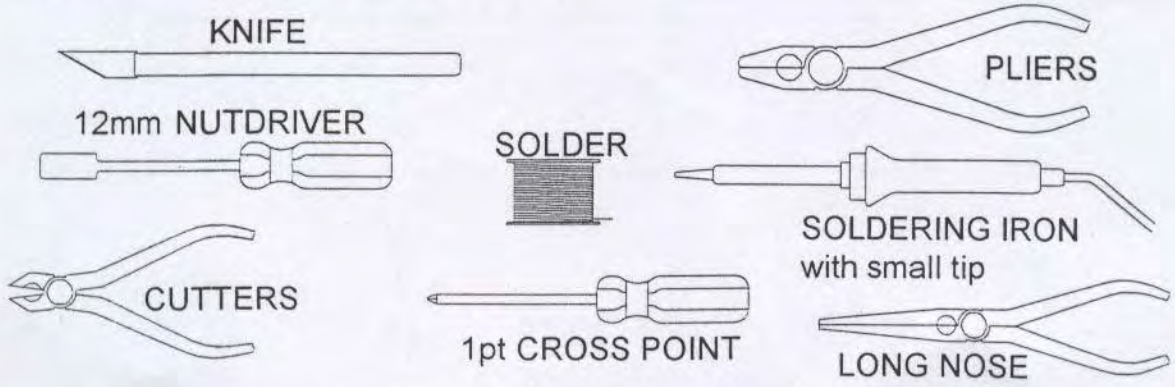
CHASSIS EARTH TERMINAL



Set the ENABLE / DISABLE jumper links before installing the assembly. Two channels will have to be enabled for each stereo turntable player.

2. TOOLS REQUIRED :

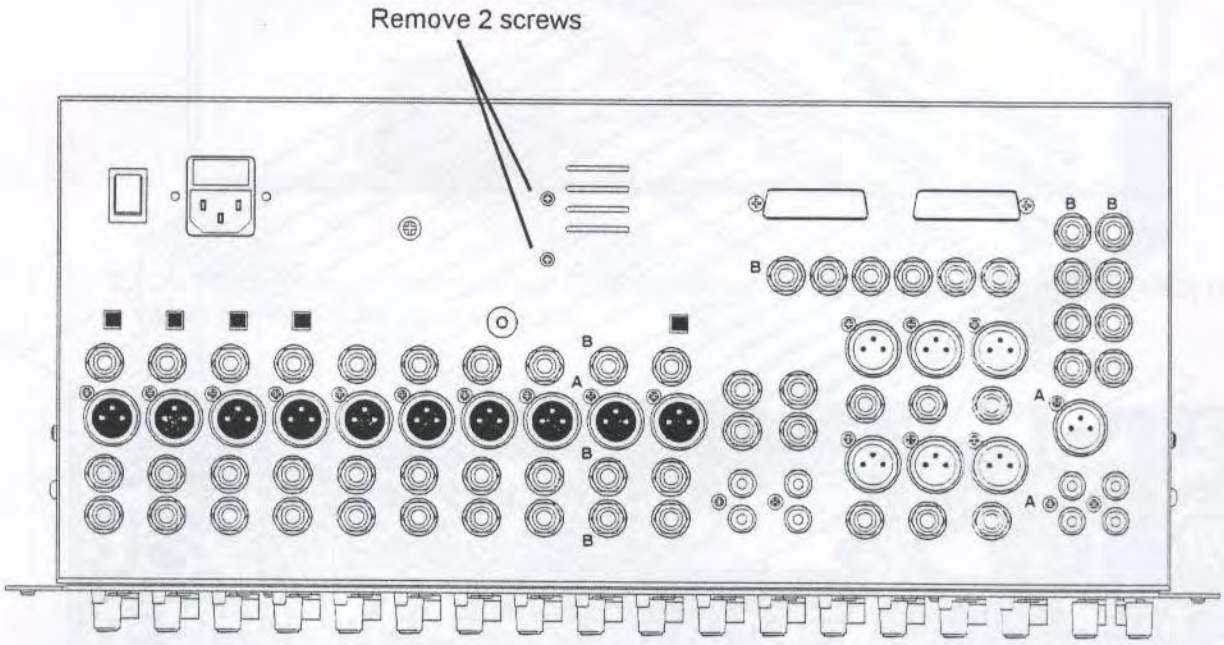
The following tools are required to install the option



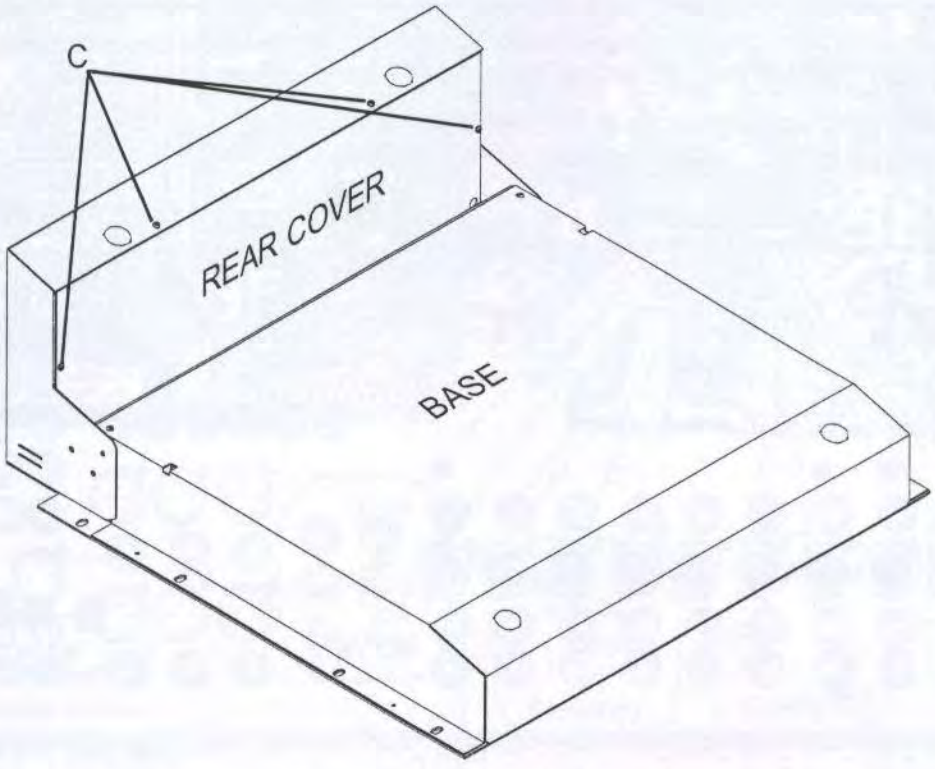
3. REMOVING THE CONNECTOR CIRCUIT BOARD ASSEMBLY

Before beginning the installation of the option, remove all power to the unit and disconnect any signal cables. The rotating connector module must be set for desk top operation to gain access to the cover screws. It is not necessary to disconnect the connector module or remove the base cover from the main unit. The installation is best carried out with the unit inverted on a clean work surface suitably covered to protect the mixer cosmetics. Ensure adequate lighting and use the correct tools. Access to the RIAA solder pads on the connector circuit board can be achieved without the complete removal of the circuit board.

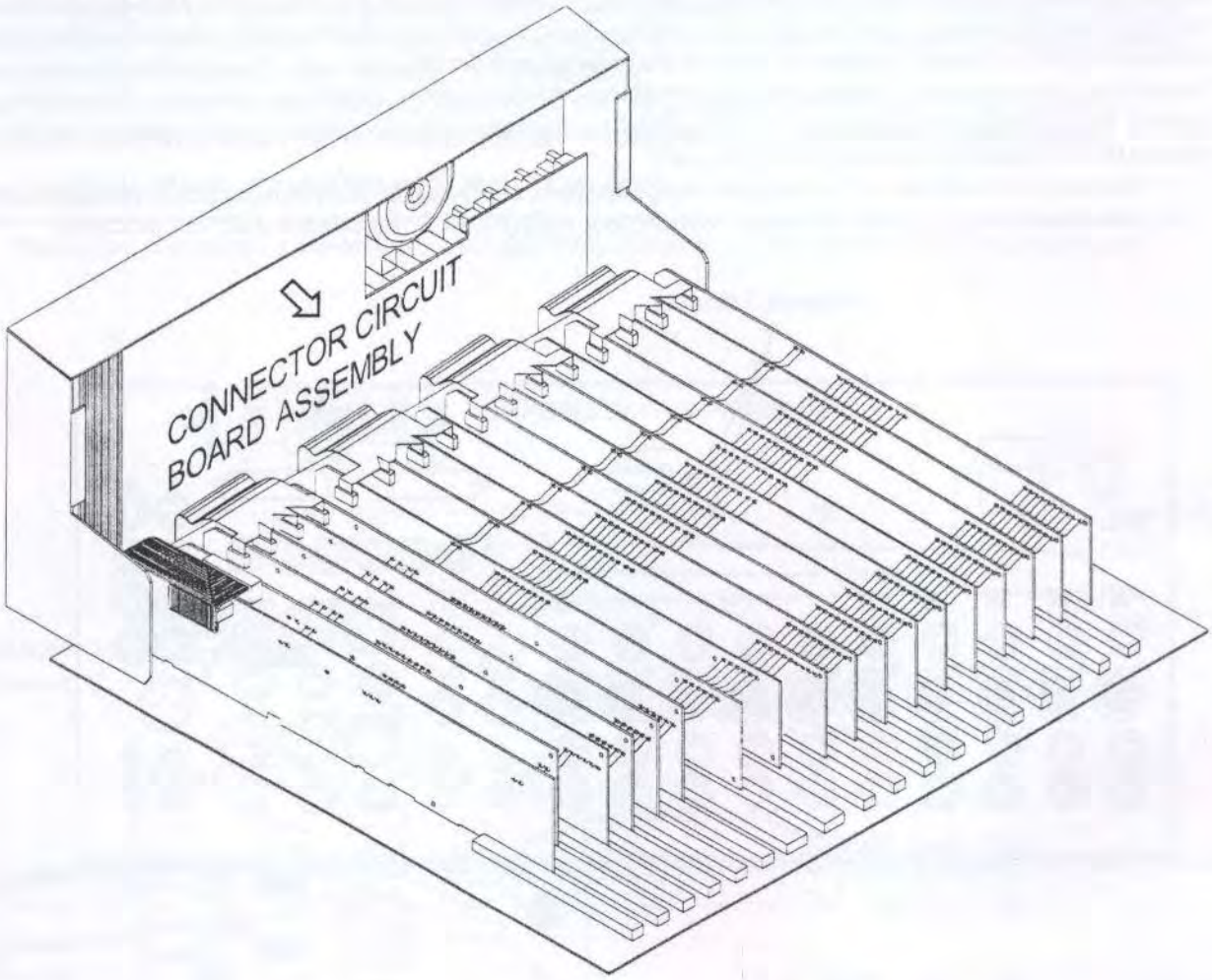
1.) Working from the rear of the console remove screws (A) fixing the XLR and phono connectors to the panel and using a 12mm Nutdriver, remove jack nuts (B). Also remove the 2 screws indicated.



2.) With the unit inverted, remove the 4 connector cover screws (C) and remove the cover.



3.) At this stage the connector circuit board assembly can be carefully eased from the rear panel with the harnesses still connected.



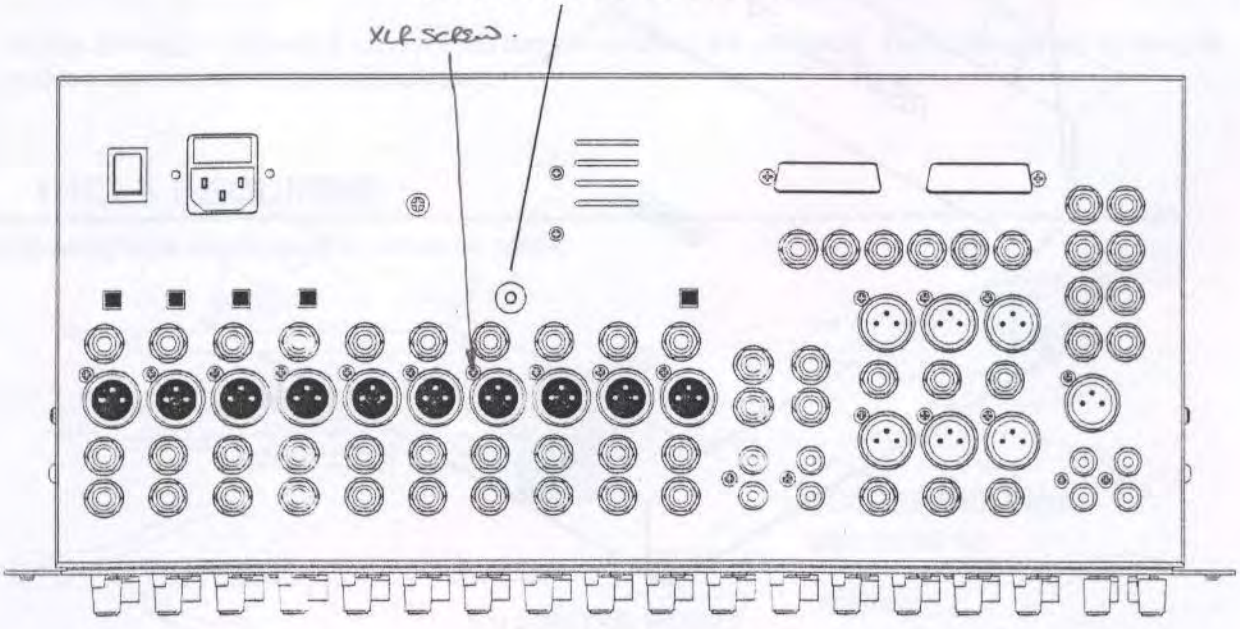
4. FITTING THE CHASSIS EARTH TERMINAL

1.) Mount the chassis earth terminal onto the rear connector panel as shown below. Ensure a good earth bond by removing the paint from around the mounting hole on the inside of the chassis.

A HOLE HAS TO BE DRILLED FOR EARTH TERMINAL OR USE XLR SCREWS AS EARTH.

CHASSIS EARTH TERMINAL

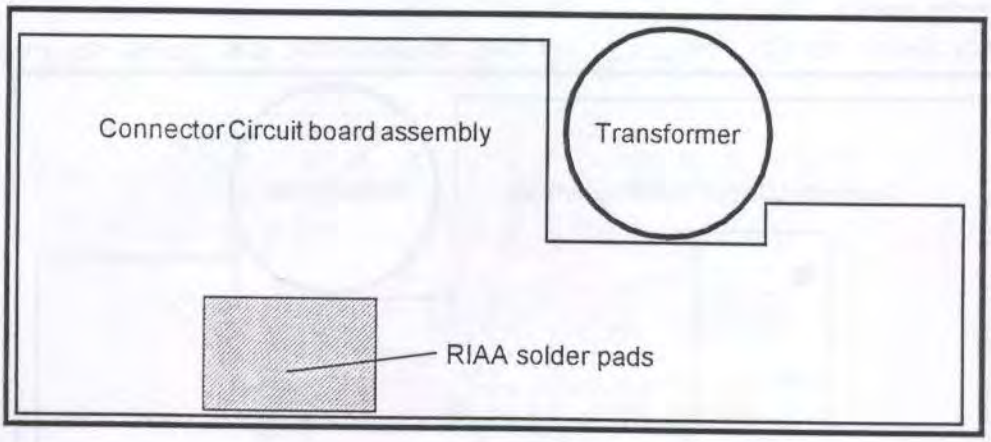
XLR SCREW.



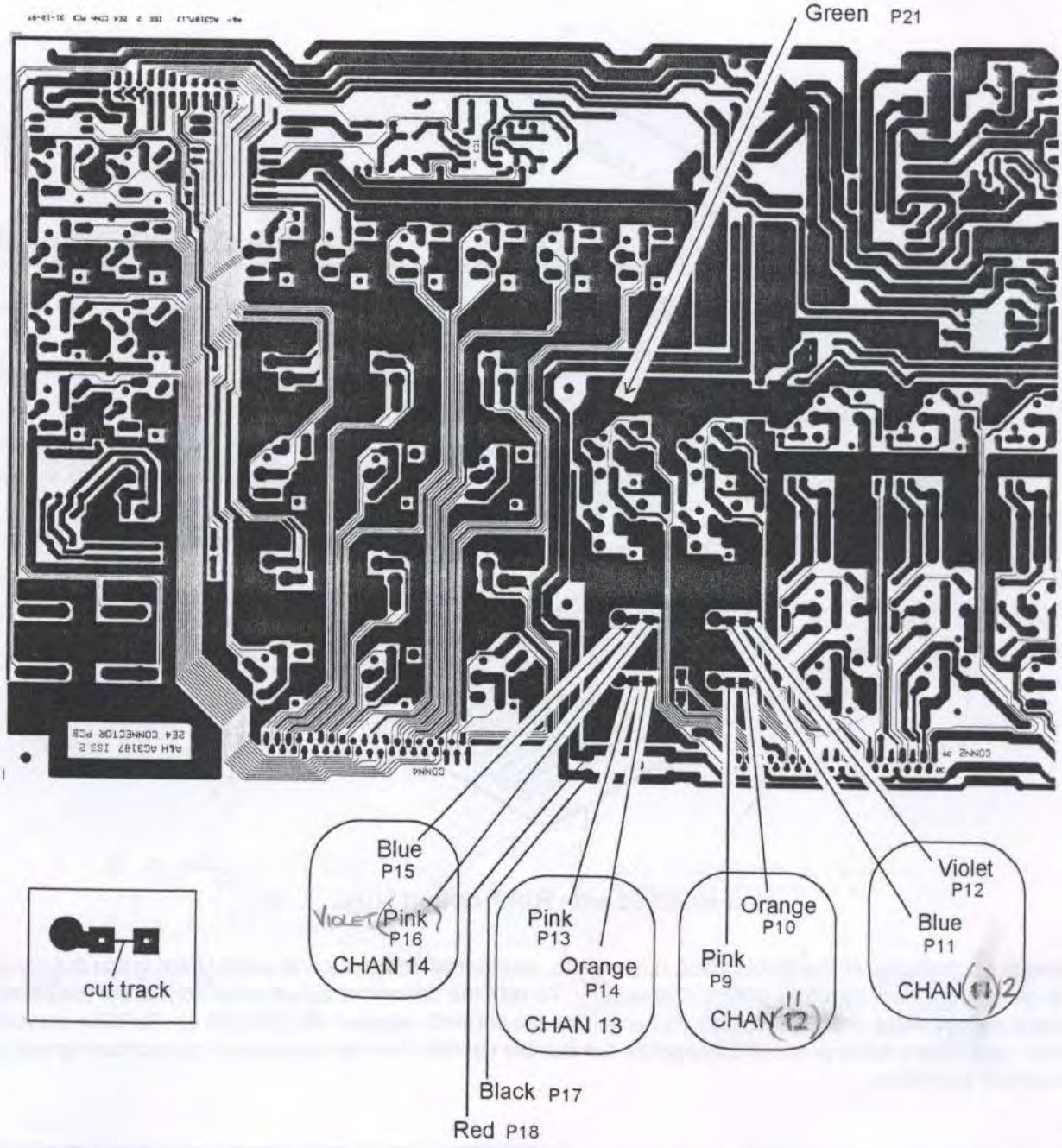
* SEE ATTACHED .

5. SOLDERING THE RIAA CIRCUIT BOARD ASSEMBLY

1.) Locate the RIAA solder pads on the connector circuit board assembly, see below.



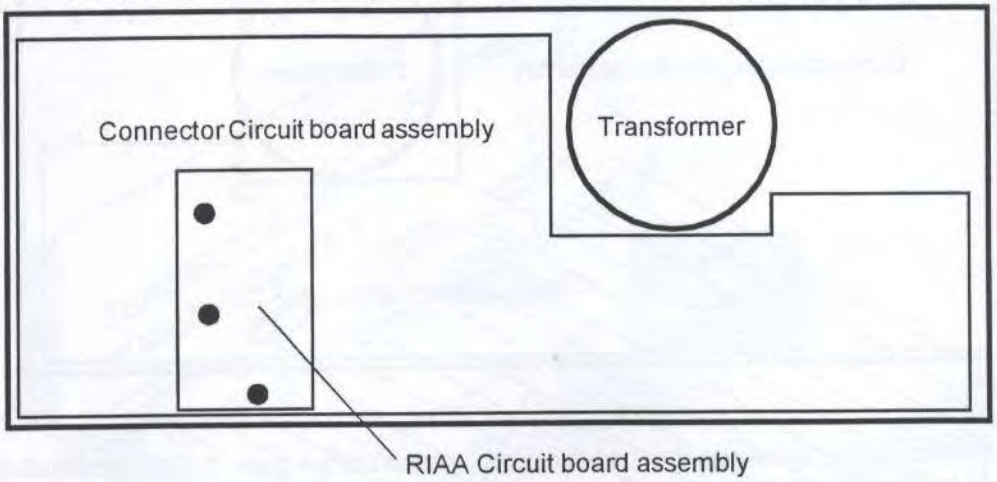
2.) Cut the thin tracks connecting the 2 square pads on each of the 4 pairs of pads and carefully solder the wires from the RIAA circuit assembly.

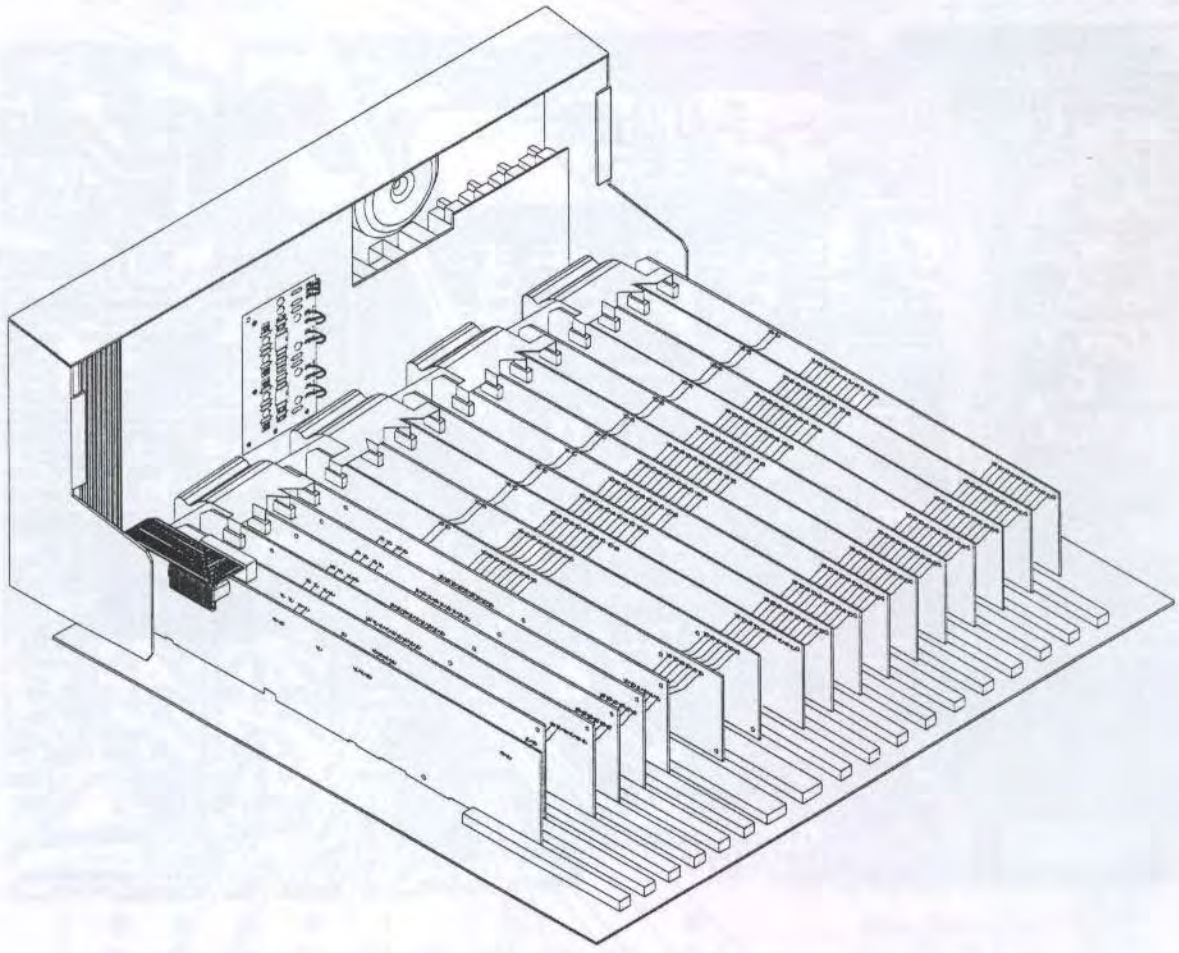


6. MOUNTING THE RIAA CIRCUIT BOARD ASSEMBLY

1.) Position the RIAA circuit board assembly as shown below, locate the mounting holes on the connector circuit board assembly and press the snap-in mounting pillars into the holes. Take care not to pinch the connected wires.

HOLES HAVE TO BE DRILLED IN THE CONNECTOR PCB SO AS TO MOUNT THE RIAA.

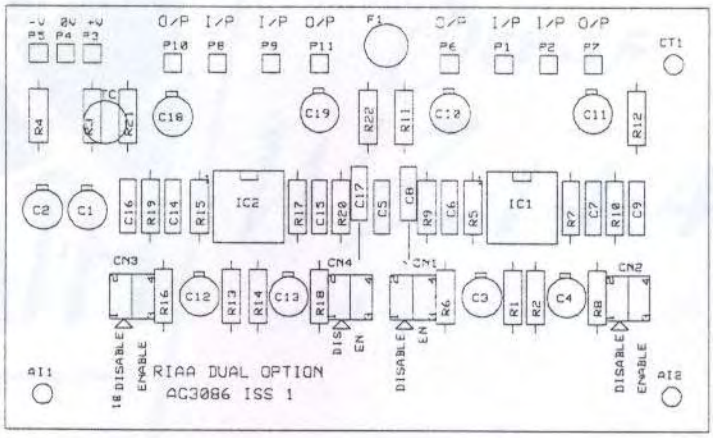




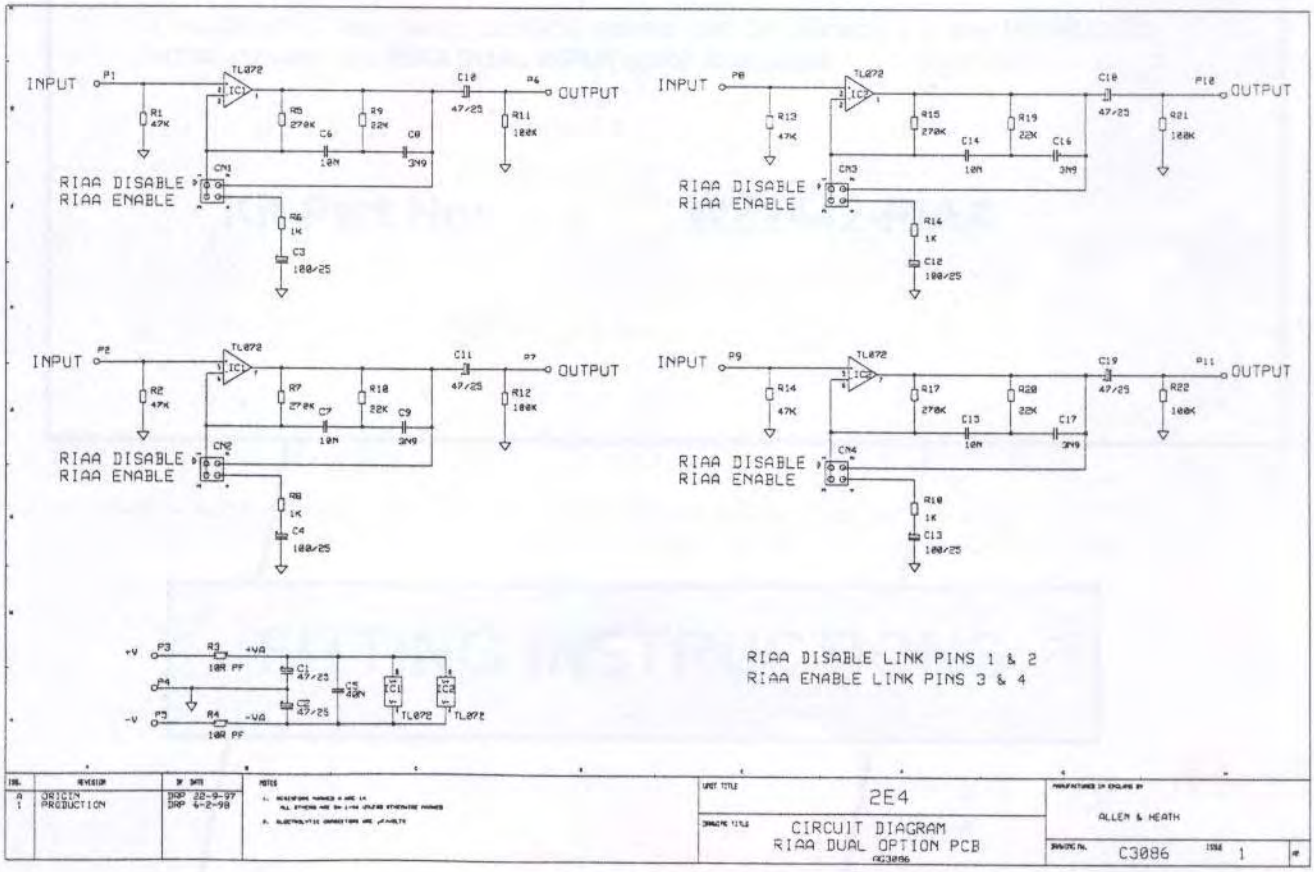
Unit inverted with RIAA option fitted.

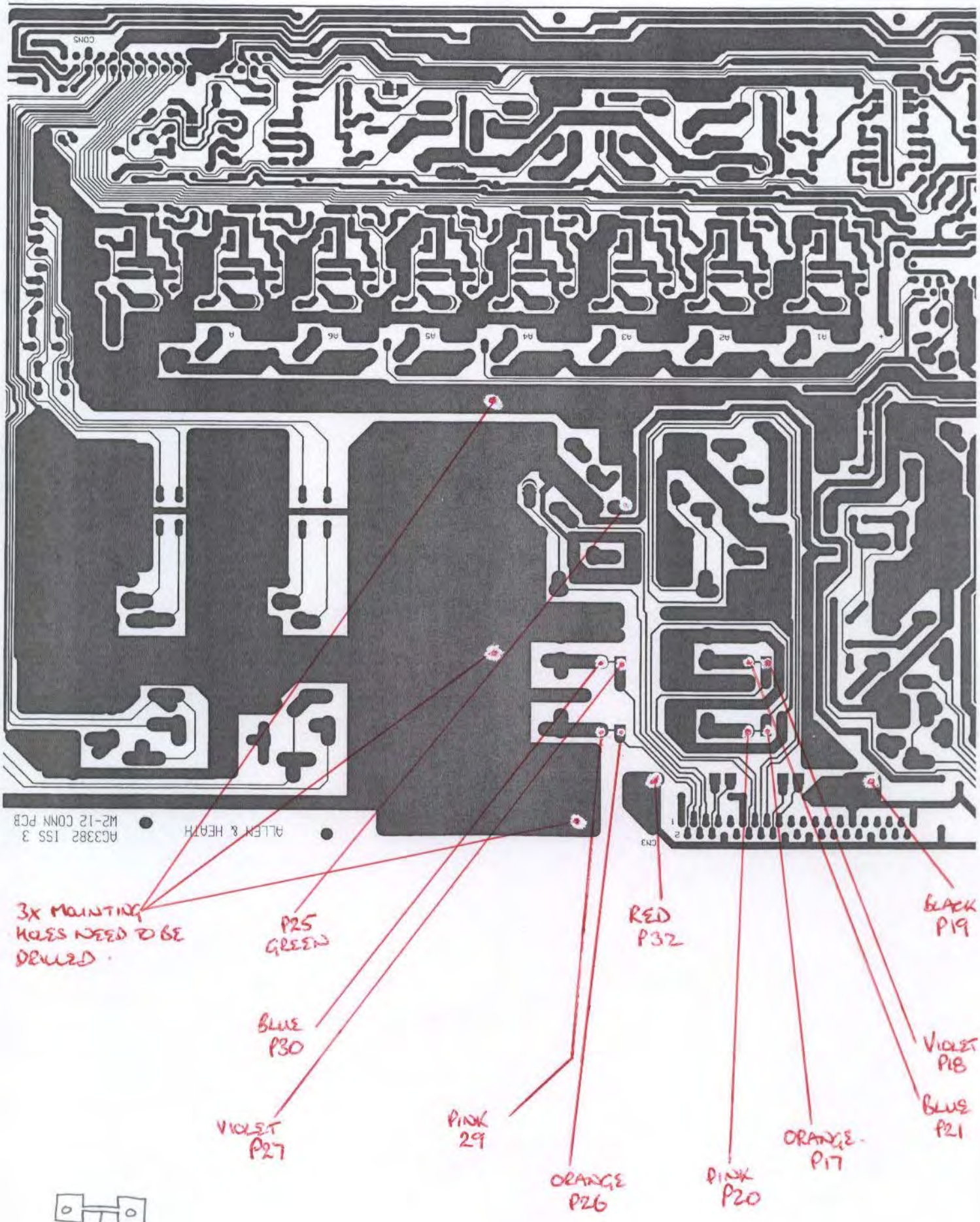
When the installation of the RIAA option is complete, remove all debris such as solder from inside the console and check your work carefully before reassembly. To refit the connector circuit assembly follow the removal procedure in reverse order. Make sure all harnesses are correctly aligned and plugged on. Refit the connector cover, taking care not to pinch or damage the flat flexible cables. Turn the console the correct way up and test for correct operation.

RIAA CIRCUIT BOARD ASSEMBLY



RIAA CIRCUIT DIAGRAM




ALLEN & HEATH AG3382L13 SOLDER LAYER
CONS
AG3382 ISS 3
M2-12 CONN PCB
ALLEN & HEATH
CN3
3X MOUNTING HOLES NEED TO BE DRILLED.
P25 GREEN
RED P32
BLACK P19
BLUE P30
VIOLET P18
BLUE P21
VIOLET P27
PINK 29
ORANGE P26
PINK P20
ORANGE P17
CUT TRACK
W2 12:2DX.