

ALLEN&HEATH

GL3300

8GD OPTION

The 8GD option enables access to all 8 group outputs from a single 25 way D type connector.

Please note, the 8GD option cannot be installed if the SYS-LINK option is already installed.

Kit Part No: GL3300-8GD

Single option to install 8GD to one GL3300 console.

Interconnecting cables not supplied.

FITTING INSTRUCTIONS

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FITTING THE 8GD OPTION

The 8GD option is supplied as a pre-tested assembly to be installed in the Allen & Heath GL3300 console. It enables access to all 8 group outputs on impedance balanced pins of a female 25 way D type connector.

Access is required to the console internal assemblies with soldering of harness wiring.

THIS WORK SHOULD ONLY BE CARRIED OUT BY TECHNICALLY COMPETENT PERSONNEL.

1. CHECK THE CONTENTS:

Please check the circuit board assembly and associated components are supplied with the kit.

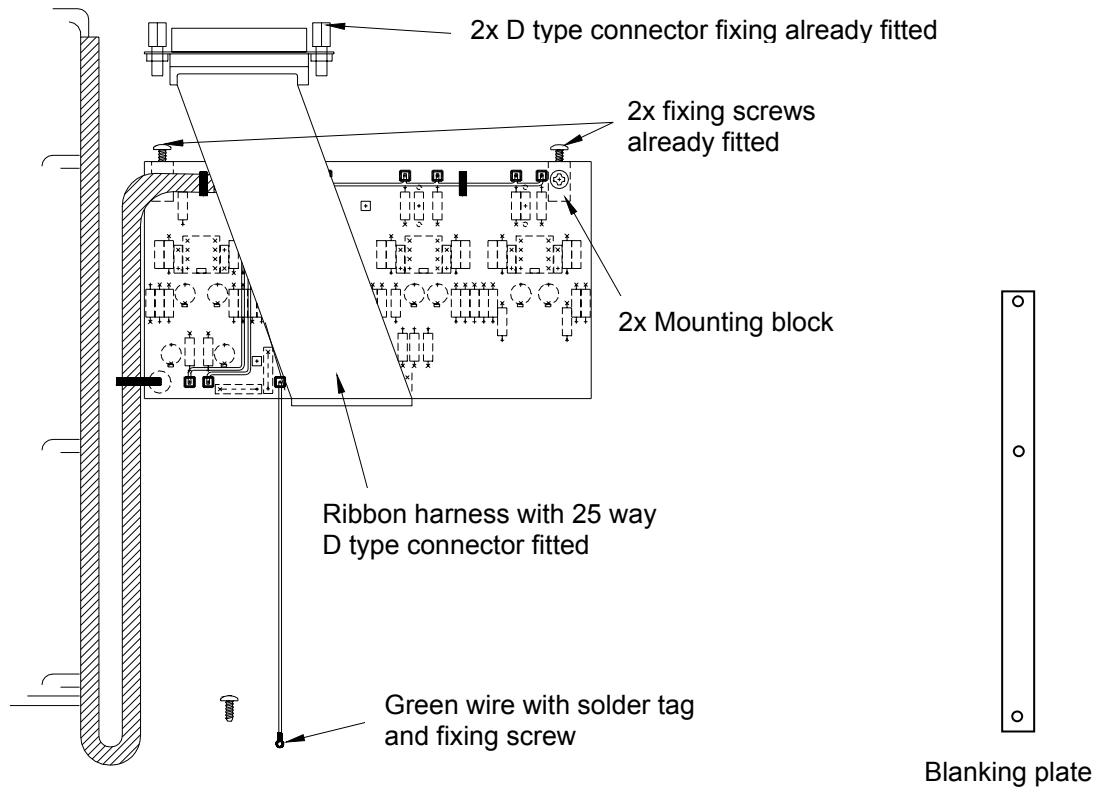
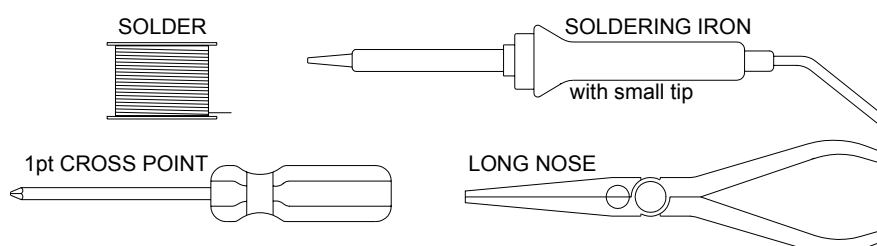


fig. 1

Contents:

- 1x 8GD circuit board assembly with interconnecting harness and mountings already fitted.
- 1x 8GD ribbon harness with D type connector fixings already fitted.
- 1x blanking plate
- 1x 6AB screw
- 1x 8GD Fitting instructions (AP3222)

2. TOOLS REQUIRED:



3. REMOVE THE CONSOLE BASE

Before installing the option, remove all power to the console and disconnect any signal cables where necessary. Ensure you have a good work surface and clear area before starting work. Invert the console and remove the base.

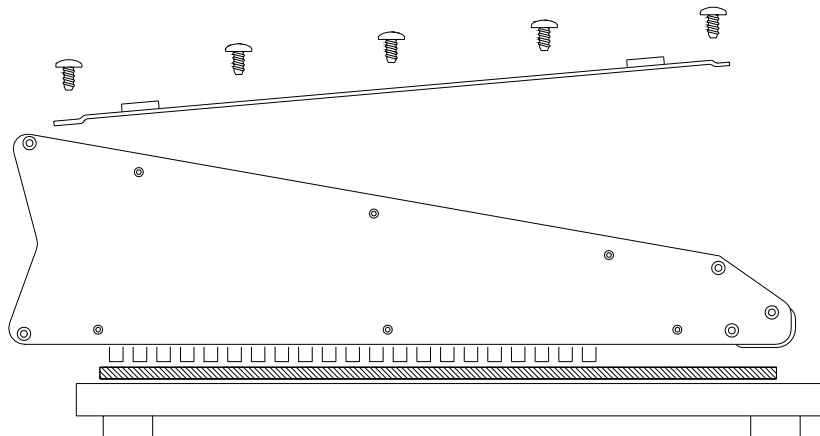
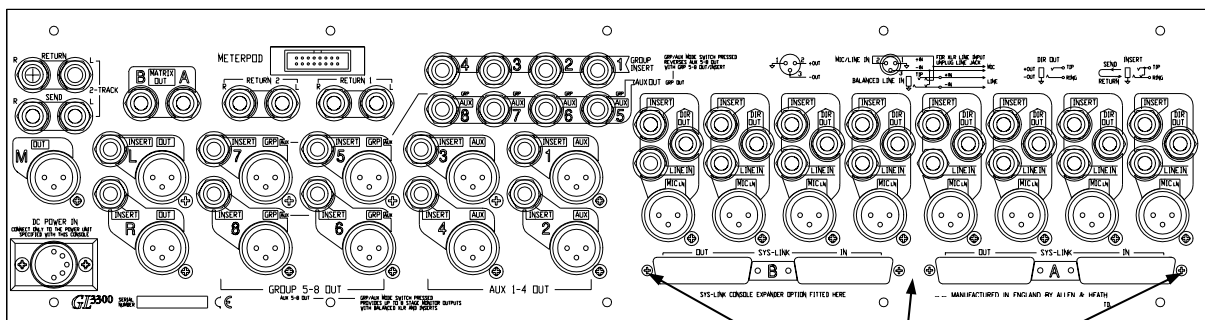


fig.2

4. REMOVE SYS-LINK BLANKING PLATE

Working from the rear of the console locate the SYS-LINK blanking plate and remove it. Keep the fixing screws as they will be required later



To remove the blanking plate, remove the 3 fixing screws.

fig.3

5. CHECKING THE NOMINAL OPERATING OUTPUT LEVEL.

The outputs are impedance balanced with a factory set nominal operating level of +4dBu. The operating levels can be changed to -10dBV by moving the jumper selector links from HI to LO.

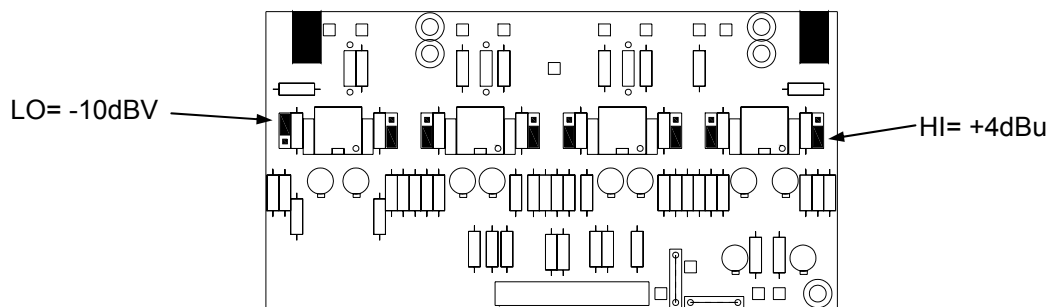
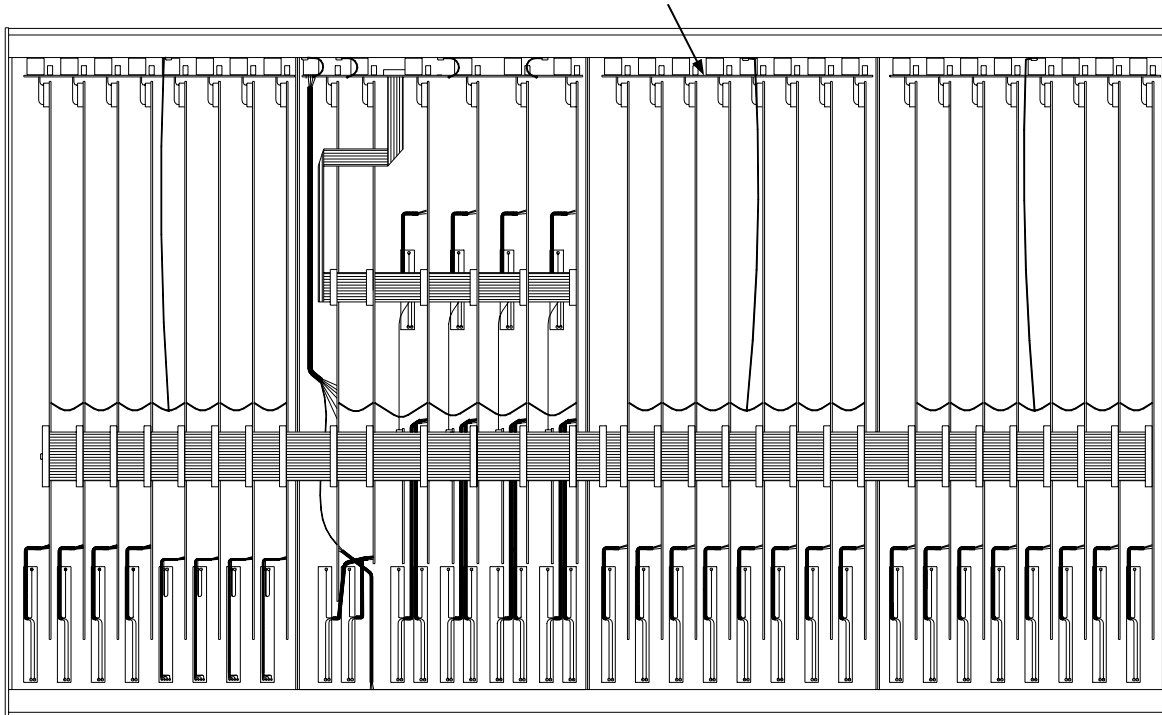


fig.4

6. LOCATE MONO INPUT CONNECTOR CIRCUIT BOARD ASSEMBLY

The 8GD circuit board assembly mounts onto the mono input connector circuit board assembly to the left of the master section.

8GD circuit board assembly mounts onto the mono input connector circuit board assembly



Console inverted with the base removed.

fig.5

7. MOUNTING THE 8GD CIRCUIT BOARD ASSEMBLY

Remove the 2 fixing screws as indicated in fig. 1 from each of the mounting blocks on the 8GD circuit board assembly.

When mounting the 8GD circuit board assembly, ensure that the track side is facing upwards.

Locate the 2 mounting holes on the mono input connector circuit board assembly and align the mounting block holes on the 8GD circuit board assembly. Screw the two assemblies together.

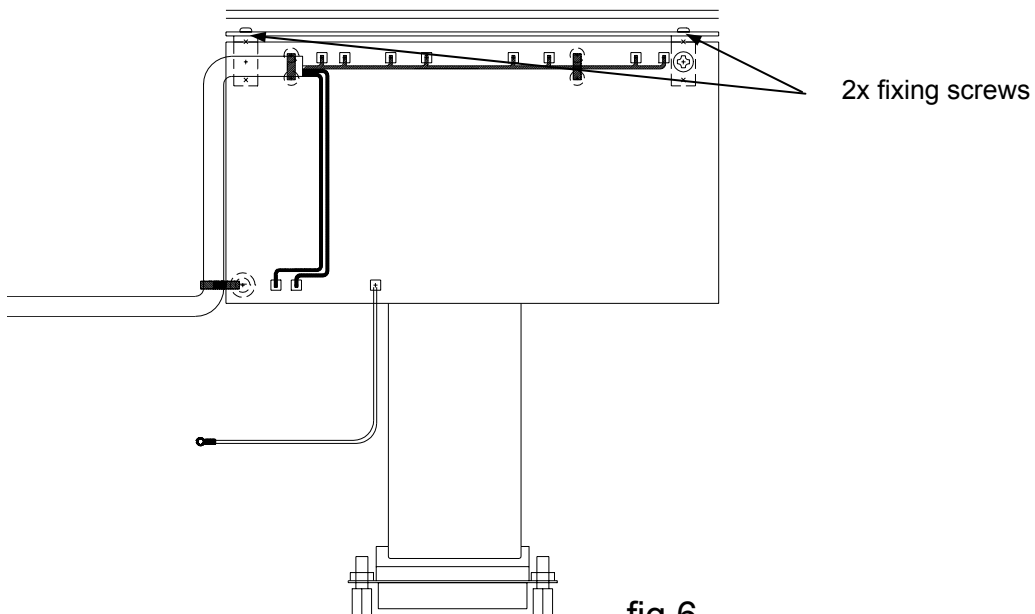


fig.6

8. SOLDERING THE 8GD WIRING HARNESS

Connect the harness wires to the appropriate pads on the Group circuit board assemblies. (see figure 7).

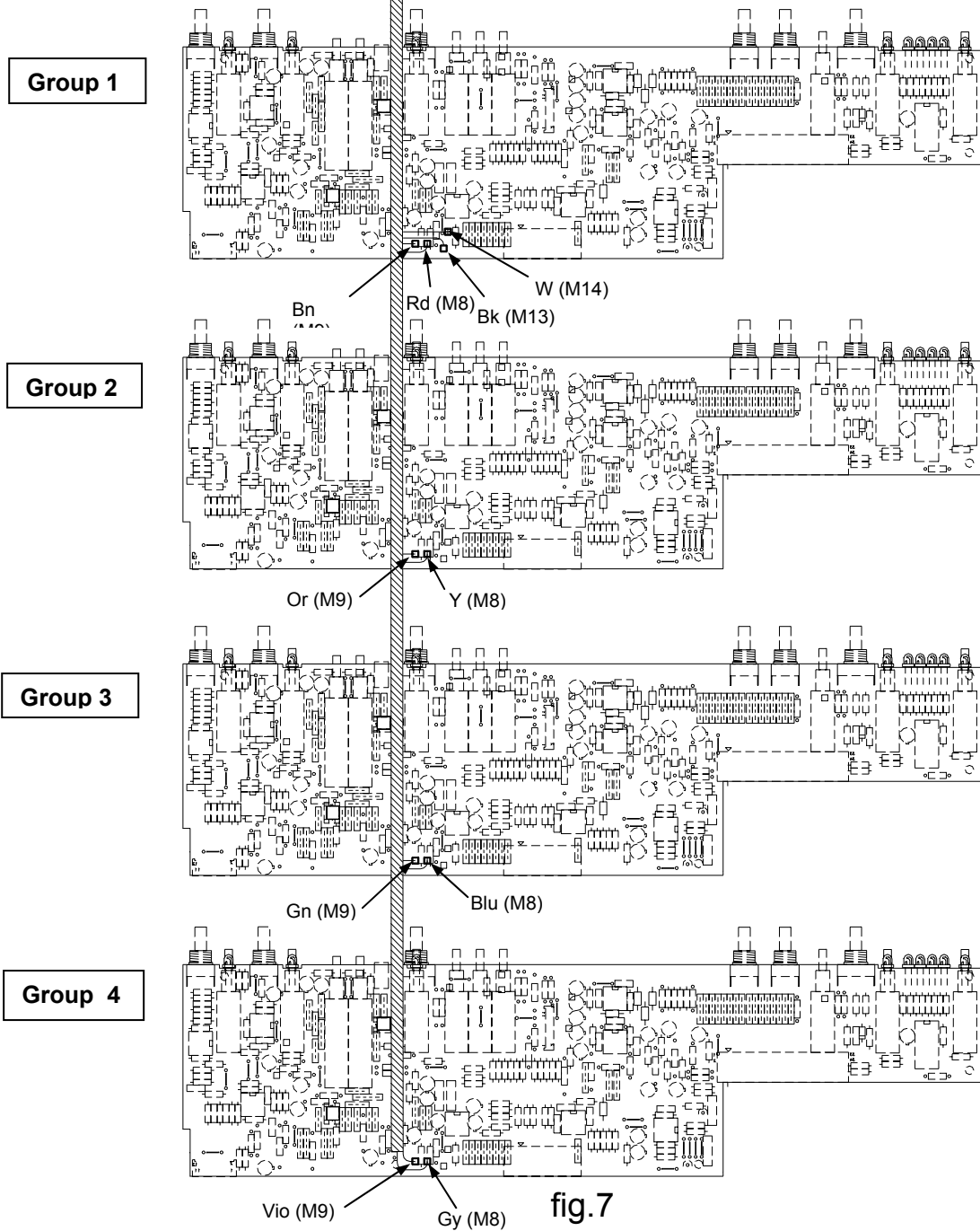
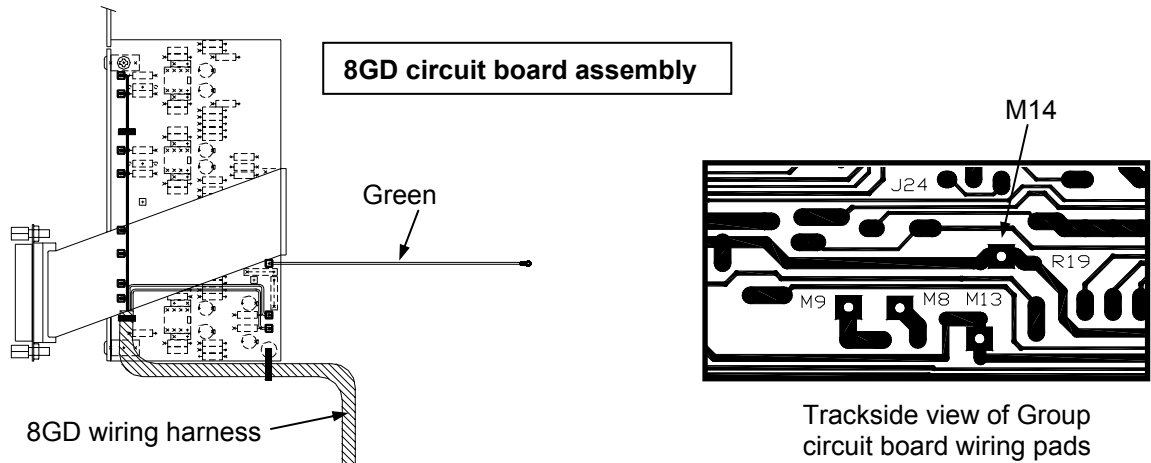


fig.7

9. FITTING THE 'D' TYPE CONNECTOR

Form the ribbon harness over the 8GD circuit board assembly and mount the 25 way 'D' type connector in the SYS-LINK OUT 'B' position. Fix the green wire with the solder tag to the extrusion using the screw provided (see figure 8).

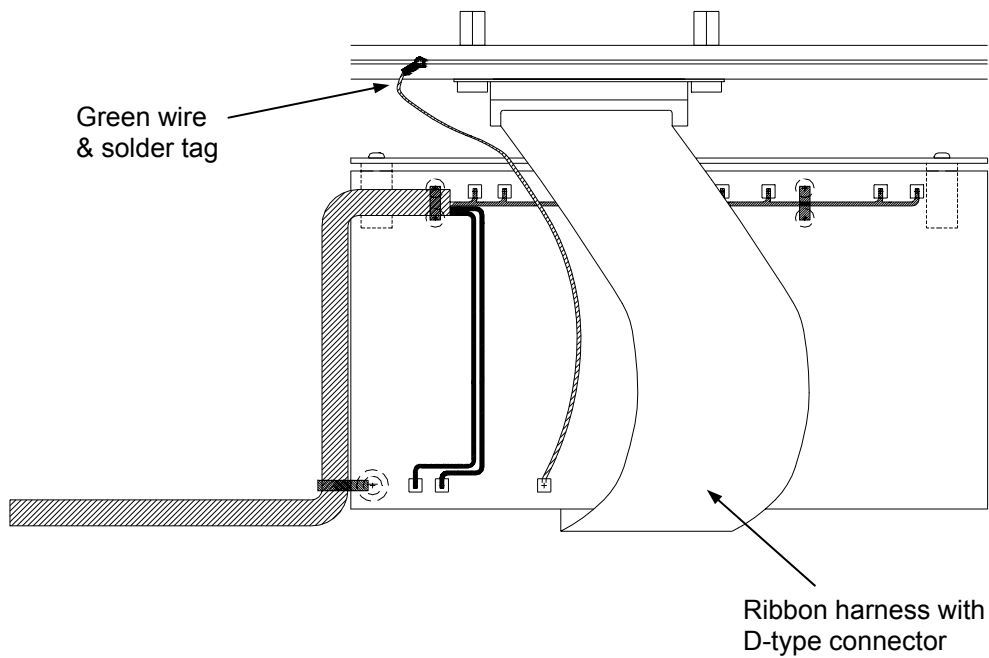


fig.8

10. FITTING THE NEW BLANKING PLATE

Fit new blanking plate over the remaining SYS-LINK positions using the screws from the original blanking plate.

11. REPLACE CONSOLE BASE

Refit the console base (refer to figure 2) and replace fixing screws. Turn the console the correct way up.

12. CONSOLE AND 8GD OPERATION

Test the console and check all functions work correctly in particular the 8GD option outputs. The outputs are impedance balanced using 47R resistors. To connect the option outputs to unbalanced inputs, connect the cold (-ve) pins to ground (0V).

