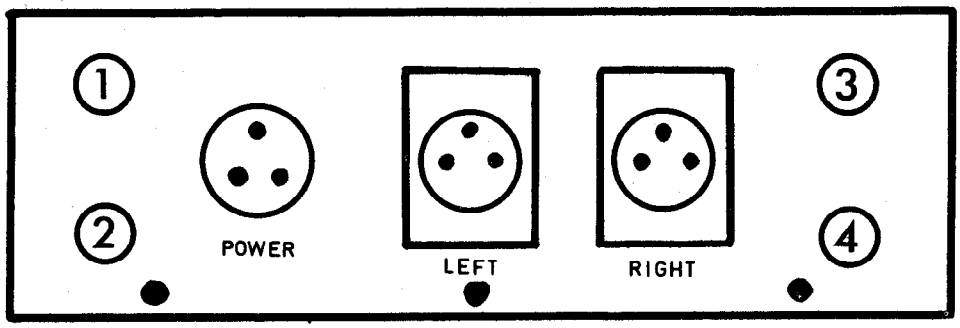
POP MIXER

OPERATING INSTRUCTIONS

The Pop mixer is a portable modular mixing console designed primarily for use in sound reinforcement installations. Though strongly constructed, care must be taken not to subject the unit to any adverse handling.

The INPUTS accept a wide range of input levels, through a standard female cannon type socket. Pin connection is ground 1. cold 2. hot 3. The design of the input stage provides a normally low input impedance for microphones. Any level can be accomodated without distortion. If a higher impedance input is required to avoid leading of tape recorders etc., resistors should be placed in series with the input. If unbalanced operation is required pin 3 may be connected to ground line the normal way. Again for Hi Z in, connect series resistor. (This may be done internally or externally to module).

All the OUTPUTS from the mixer are at line level low impedance, and so are capable of driving all types of amplifiers. If the rated sensitivity of power amps or other devices connected to the mixer is higher than 1 volt, it is necessary to put a 10k log control between the relevant output and input.
Output connections are as follows.



1. TIP ..... Echo Return
   RING .... Echo Send

2. TIP ..... Talkback
   RING .... Monitor O/P

3. ..... Cue 1.

4. ..... Cue 2.

Cannons Wired.
1. Ground
2. Cold
3. Hot

Power Wired.

L. Positive

N. Negative

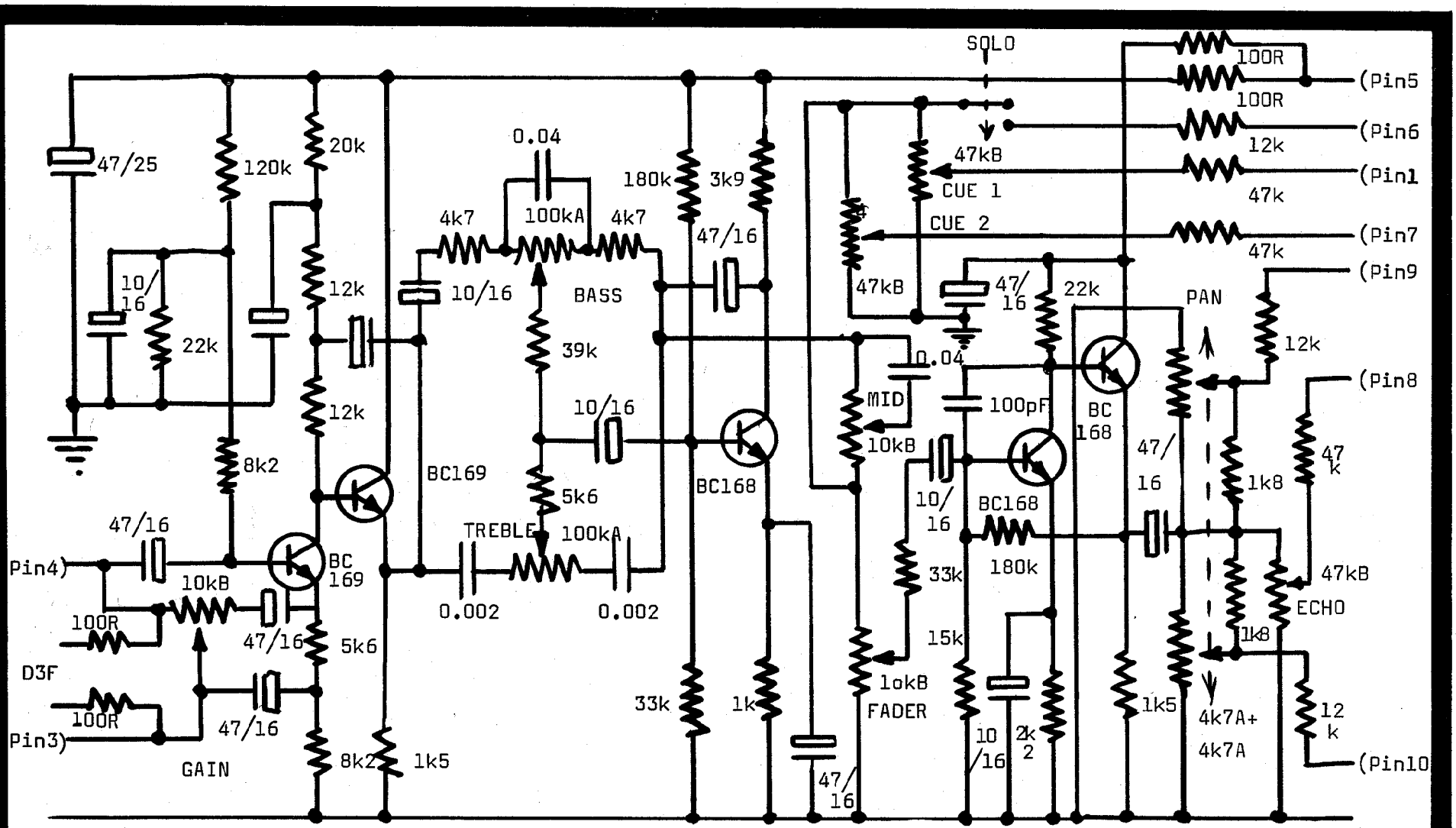
POP MIXER OPERATING INSTRUCTIONS

SETTING UP PROCEDURE

a) Turn all input faders and rotary gain controls (gain, cue echo send and echo return) to minimum.
b) Turn bass, treble and pan controls to centre.
c) Turn mid lift controls to zero.
d) Adjust output faders to between 0 & 1.
e) All monitor select buttons out.
f) Connect power supply. The meters should flick across then settle back to rest position.
g) Connect an input to a channel, set fader to '1' mark. With signal present, adjust gain control to give average zero deflection on output meters (if routing switching is fitted, select required output groups.
h) Set up all channels in similar manner.
i) Readjust pan controls for desired stereo balance.
j) Connect echo/cue send circuits. Main level controls should be at 6 for normal operation. Adjust individual echo controls as desired.

MONITORING - facility is provided for monitoring the outputs of the mixer on both meters and headphones. The 'monitor' pot controls headphone level. The monitor select buttons are arranged such that when they are all in the out state, the meters and headphone circuit monitor the main stereo output. The solo, cue, or foldback signals may be monitored by pushing the appropriate switch. The solo function monitors the individual channel signals when individual channel buttons are depressed. The meter reading gives indication of channel level and may be used to set channel gain. If a talkback system is being used on the installation the signal may be linked to the monitor circuit. The connection for this is available on the headphone monitor jack so that an external interface with the talkback system may be mode. This input may of course be used for auxillary monitoring of any signal at line level.

MULTIWAY FACILITY.- Pins 3 & 4 on the input channel connectors are connected to the balanced channel input. If the chassis is removed from the case, a multiway harness may be simply installed. Earth connection is to the Buss on pin 2.



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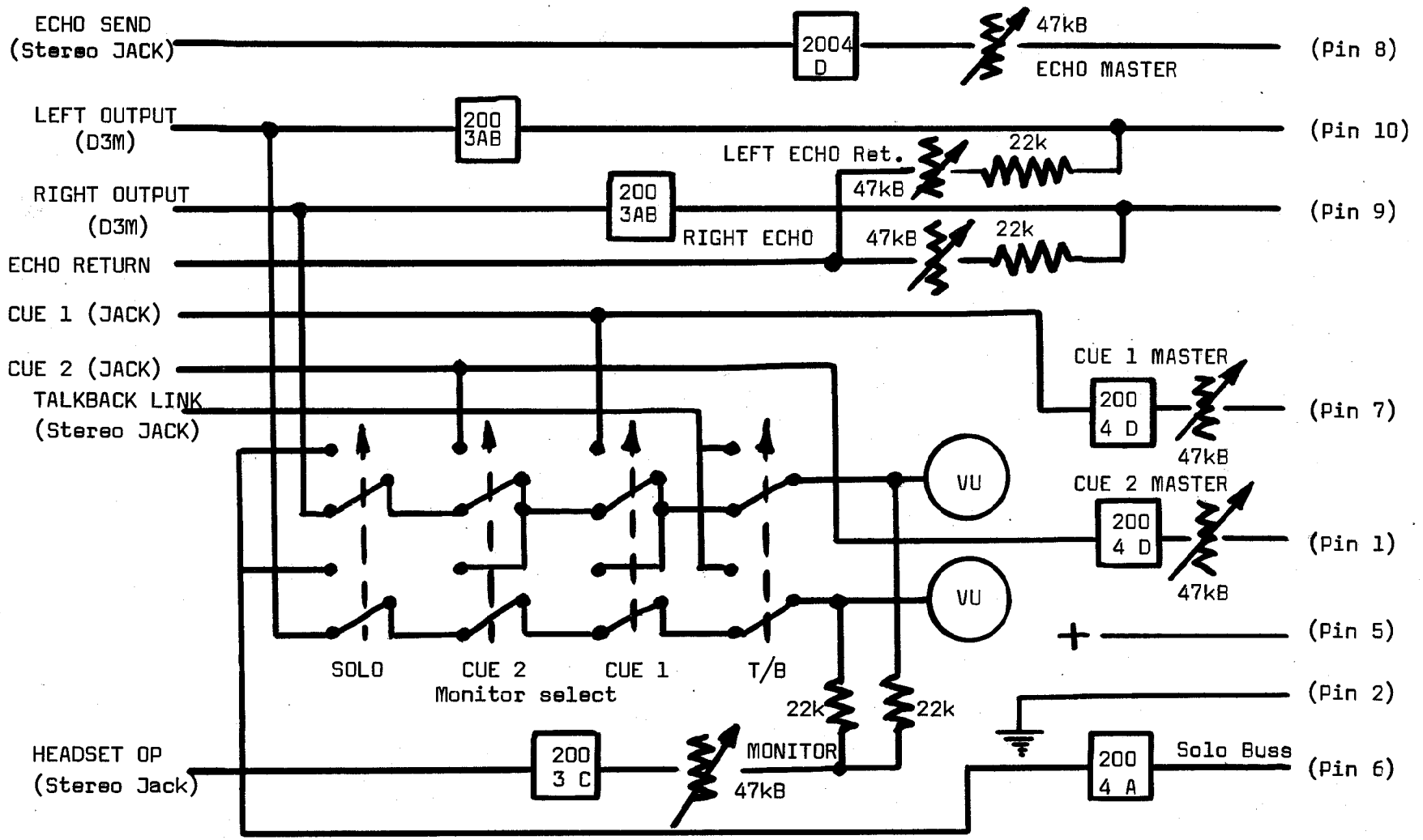
POP MIXER INPUT

All capacitors shown as mFd/VW.

Pin Nos. refer to edge connector connects to op. via // bussbars

Drg. No. 2001



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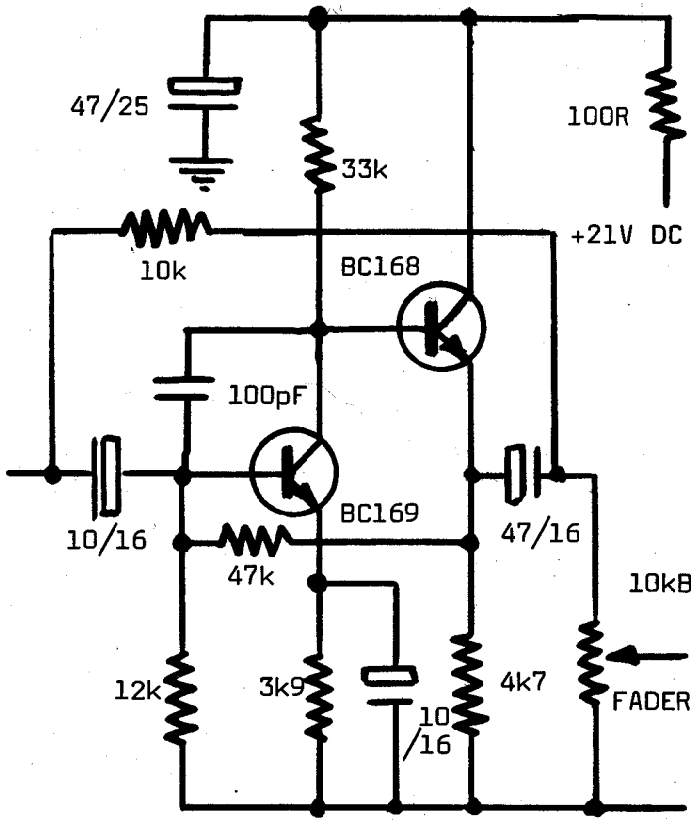
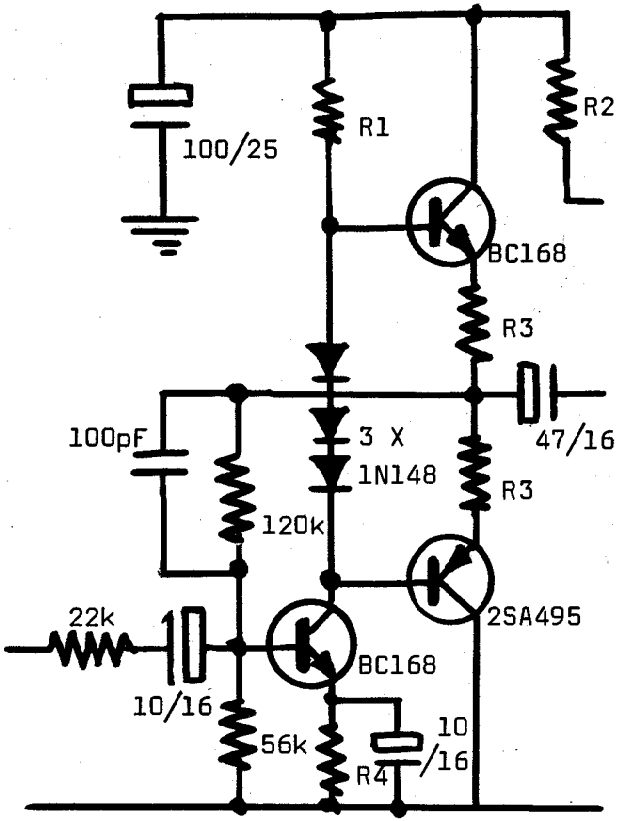
POP MIXER OUTPUT - BLOCK DIAGRAM

Numbers in Boxes refer to other drawings.

Drwg.No 2002

A





	B	C
R1	22k	3k9
R2	100R	22R
R3	100R	22R
R4	8k2	1k

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POP MIXER OUTPUT MODULE - MIX/OUTPUT AMPLIFIERS

Capacitors are shown as capacitance/WV.

Drg.No 2003A/B/C