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C/AC20023		IC100-L	

PRE-AMP PCB AS00035

NORMAL SK1
BRIGHT SK2
EFFECTS INPUT SK3
INPUT I. SK4
INPUT 2. SK9

R1 68K
R2 2K2
C1 3300P
C2 0µ1 250V
IC1b 4739
R6 15K
C6 6µ8 40V
R4 2K2
C3 6µ8 40V
R3 150K
C4 0µ022 100V
VOLUME VR2 25K R/LOG
R8 470R
C7 0µ1 100V
MIDDLE VR5 10K LIN
R9 1K
R14 2K2
C8 0µ01
R12 100K
IC1a 4739
R10 100K
C10 6µ8 40V
TREBLE VR7 25K LIN CW
C11 2200P
C13 0µ47 400V
C12 0µ68 100V
BASS VR8 25K LOG CW
R16 470R
R17 150K
C14 0µ047 400V
IC5 741
R19 100K
C15 6µ8 40V
C16 6µ8 40V
CH2 REVERB PSS 1
R21 10K
R22 10K
CH1 REVERB PSS 2
R70 15K
R23 2K2
R24 180R
IC8 741
C17 0µ68 100V
R25 10K
4 C REVERB UNIT INPUT OUTPUT
R28 560K
330P
C19 1N5
IC7 741
C18 0µ1 250V
R26 1K
R27 4K7
R29 100R
VR12 1K LIN
MASTER REVERB
R75 620 3W
+16V
R80 1K
D2 PL16Z
C50 150µ 25V
0V
D3 PL16Z
C51 150µ 25V
-16V
R76 620 3W
-48V
POWER SUPPLY PINS FOR IC'S

RAIL	741	231
+16V	PIN 11	PIN 14
-16V	PIN 6	PIN 7

R32 5K6
C21 0µ1 250V
R30 68K
R31 2K2
C20 330P
IC1a 4739
R36 15K
R34 2K2
C22 6µ8 40V
VOLUME VR1 25K R/LOG
R33 150K
C23 0µ022 100V
C25 6µ8 40V
R38 470R
R39 10K
C27 0µ68 100V
TREBLE VR3 25K LIN
C26 2200P
C28 0µ47 100V
C29 0µ022 100V
BASS VR4 25K LOG
R40 470R
R41 150K
IC3b 4739
R44 100K
R42 8K2
C30 6µ8 40V
C32 6µ8 40V
C34 0µ1 100V
MIDDLE VR6 10K LIN
R45 1K
C33 C37
R46 100K
R49 100K
IC4a 4739
R50 2K2
R52 2K2
C37 0µ022
PRESENCE VR9 10K LIN
C38 2200P
R51 100K
IC3a 4739
R54 100K
R66 1K
C40 6µ8 40V
R57 100K
R58 15K
C41 0µ22 100V
R61 15K
R78 100K
C42 0µ022
C43 0µ047 100V
S1 FOOTSWITCH
R63 1M
R65 10K
Q1 W300A
R79 15K
R64 150K
R66 6K2
C46 6µ8 40V
+16V
C47 470P
R67 47K
R68 33K
IC1 741
C45 6µ8 40V
C48 6µ8 40V
HARMONIC 'A' VR11a 100K LIN.
R74 33K
R70 3K3
C49 6µ8 40V
R72 33K
R73 33K
R71 10K
MASTER VOLUME CW VR10 25K LOG
HARMONIC 'B' VR11b 100K LIN.
0V

OUTPUT 1. SK9
RATED LOAD IMPEDANCE 4 TO 16 OHMS
RATED OUTPUT 100 WATTS
OUTPUT 2 SK10

ECHO SEND SK5
ECHO RETURN SK6
SLAVE OUTPUT SK7
MIXER OUTPUT SK8
1K

AS00014/2 OUTPUT DRIVER PCB ASSY.

IC1 741
R1 1K
C1 0µ22 100V
R2 15K
R3 330R
R4 3K3
C2 6µ8 40V
R5 4K7
R6 2K2
C3 6µ8 40V
R7 3K3
ZD1 PL16Z
C4 6µ8 40V
R8 27K
R9 1K
Q3 BC204B
Q4 BC207B
R10 100R
C6 68P
Q1 TIP33C
Q2 TIP33C
C8 6µ8 40V
D1 1N4004
R14 100R
R15 A01
C7 47µ 40V
R11 1K
R12 2K2
R13 2K2
R32 100R
ZD2 PL16Z
C5 6µ8 40V
R16 10R
D2 1N4004
D3 1N4004
D4 1N4004
R17 330R
R18 100R
R19 15K
D7 1N4004
R20 680R
C9 47µ 10V
C10 47µ 10V
R21 3K3
C13 0µ01 400V
D5 1N4004
D6 1N4004
D8 1N4004
R22 15K
C11 47µ 10V
C12 47µ 10V
R23 100R
R24 330R
D9 1N4004
Q6 TIP29C
Q7 TIP30C
Q5 BC204B
R25 33R
R26 0R33 6W
R27 0R33 6W
R29 15R
L1
R30 1R0 3W
C14 0µ047 400V
R28 33R
R31 0R1 6W
Q1 2N3773HG
Q2 2N3773HG
+48V X
-48V Y
C1 4700µ 50V
C2 4700µ 50V
BR1 KBH06
C3 0µ22 250V
T1
240
220
115
0
112°C C.S.A. ONLY.
FS1 2A A.S.
S2 MAINS SWITCH
SK11 MAINS ~ 50-60HZ. 180VA

ISSUE	1	2	3	4	5	6
DATE	1-5-77	13-5-77	20-5-77	12-7-77	25-7-77	24-7-78
DESCRIPTION OF CHANGE					AT50, LONG TONE CONTROLS, PSBO ADDED.	C/N 110/006

APPROVED	SCALE	CONFORMS TO BS308	TOLERANCES UNLESS OTHERWISE STATED: LINEAR	ANGLES	HOLES Ø
CHECKED S.M.	DIMENSIONS IN	PROJECTION 3RD ANGLE	MATERIAL		FINISH
DRAWN	DIMENSIONS APPLY AFTER PLATING		TITLE IC100-L CIRCUIT DIAGRAM		DRG. No. C/AC20023

HARRISON INDUSTRIAL DEVELOPMENTS LTD., VIKING WAY, BAR HILL, CAMBRIDGE CB3 8EL. TEL: CRAFTS HILL (0954) 81140 TELEX: 817615 HH ELEC G

A1 73446

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C/AC00014		V-S MUSICIAN WITH REVERB	

CH 2 PRINTED CIRCUIT ASSY.
AS00017

REVERB PRINTED CIRCUIT ASSY.
AS00018

CH 1 PRINTED CIRCUIT ASSY.
AS00016

V-S MUSICIAN
TONE CORRECTION MODULE.
AS00015/A

AS00014/2 OUTPUT DRIVER PRINTED CIRCUIT ASSY.

OUTPUT 1
OUTPUT 2
RATED LOAD IMPEDANCE
4 TO 16 OHMS.
RATED OUTPUT 100 WATTS.

ISSUE	1	2	3		4															
DATE	26-1-76	7-4-76	22-4-76		6-5-76															
DESCRIPTION OF CHANGE			AS00016 R3 TO 390R C2 TO 6·8μF AS00016 R9 TO 22K	AS00017 R8 TO 47K	WIRING CHANGE															

APPROVED	SCALE	CONFORMS TO BS308	TOLERANCES UNLESS OTHERWISE STATED		
			LINEAR	ANGLES	HOLES Ø
CHECKED	DIMENSIONS IN PROJECTION 3RD ANGLE		MATERIAL		FINISH
DRAWN	DIMENSIONS APPLY AFTER PLATING		TITLE VS MUSICIAN (REVERB) CIRCUIT DIAGRAM		DRG. No. C/AC00014

H|H electronic
INDUSTRIAL SITE
CAMBRIDGE ROAD, MILTON
CAMBRIDGE CB4 4AZ
ENGLAND.
TEL. CAMBRIDGE 65945/6/7

A1