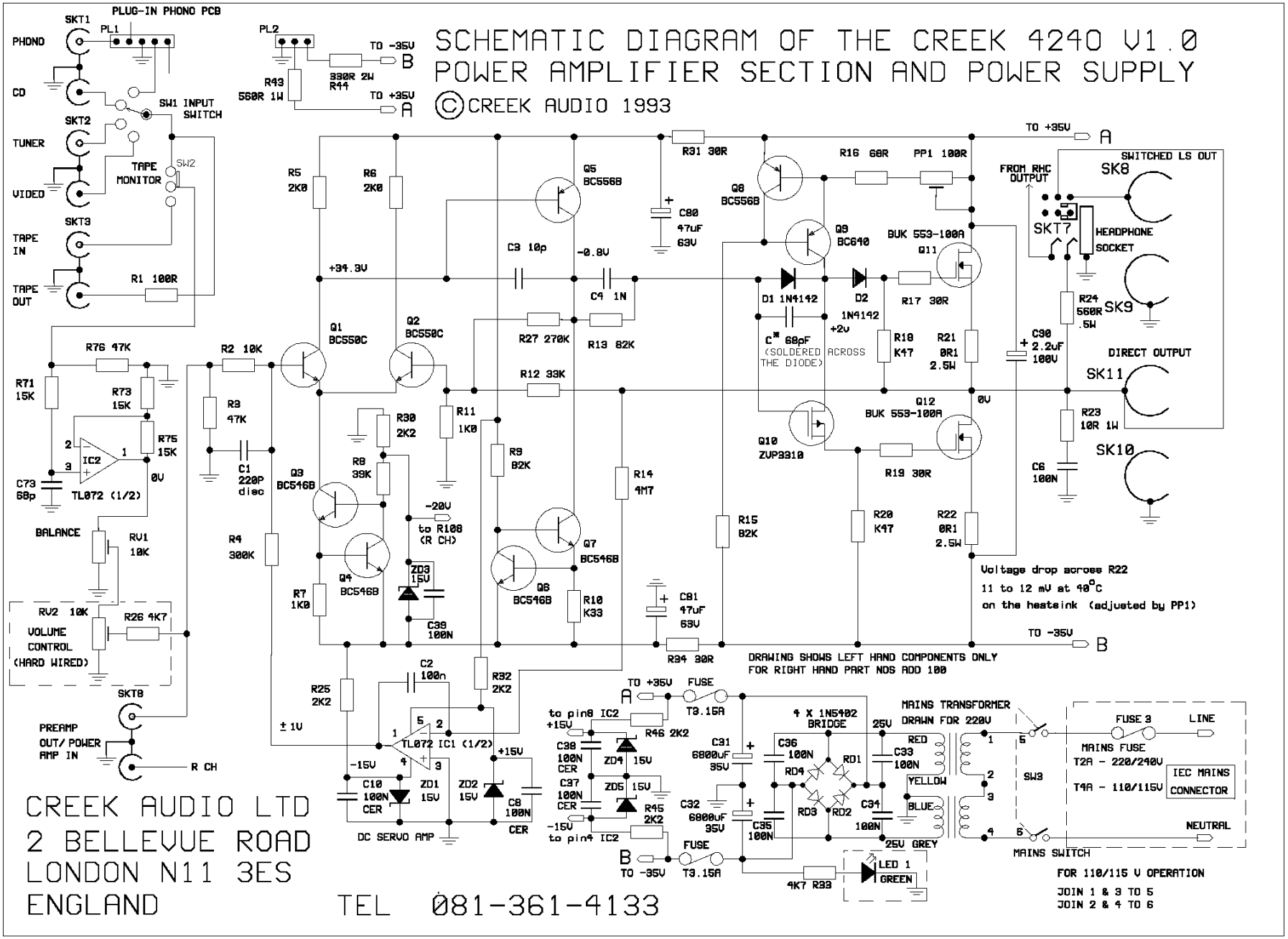
SCHEMATIC DIAGRAM OF THE CREEK 4240 V1.0
POWER AMPLIFIER SECTION AND POWER SUPPLY
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PLUG-IN PHONO PCB
SKT1
PL1
PHONO
CD
SW1 INPUT SWITCH
SKT2
TUNER
VIDEO
TAPE MONITOR
SW2
SKT3
TAPE IN
TAPE OUT
R1 100R
PL2
TO -35V
B
330R 2W
R44
R43
560R 1W
TO +35V
A
R5 2K0
R6 2K0
Q5 BC556B
C80 47uF 63V
R31 30R
TO +35V
A
Q8 BC556B
R16 68R
PP1 100R
Q9 BC640
BUK 553-100A
Q11
FROM RHC OUTPUT
SWITCHED LS OUT
SK8
SKT7
HEADPHONE SOCKET
C3 10p
-0.8V
+34.3V
C4 1N
D1 1N4142
D2 1N4142
+2v
R17 30R
R24 560R .5W
SK9
C* 68pF (SOLDERED ACROSS THE DIODE)
R18 K47
R21 0R1 2.5W
C30 2.2uF 100V
DIRECT OUTPUT
SK11
R27 270K
R13 82K
Q1 BC550C
Q2 BC550C
R76 47K
R2 10K
R12 33K
R71 15K
R73 15K
R75 15K
IC2 TL072 (1/2)
C73 68p
0V
R3 47K
C1 220P disc
R11 1K0
R30 2K2
R8 39K
Q3 BC546B
-20V
to R108 (R CH)
R9 82K
R14 4M7
Q12 BUK 553-100A
0V
Q10 ZVP3310
R19 30R
R23 10R 1W
SK10
C6 100N
R15 82K
R20 K47
R22 0R1 2.5W
Voltage drop across R22
11 to 12 mV at 40°C
on the heatsink (adjusted by PP1)
BALANCE
RV1 10K
R4 300K
Q4 BC546B
ZD3 15V
C39 100N
Q7 BC546B
Q6 BC546B
R10 K33
C81 47uF 63V
R7 1K0
RV2 10K
VOLUME CONTROL (HARD WIRED)
R26 4K7
R34 30R
TO -35V
B
DRAWING SHOWS LEFT HAND COMPONENTS ONLY
FOR RIGHT HAND PART NOS ADD 100
C2 100n
R32 2K2
R25 2K2
SKT8
PREAMP OUT/ POWER AMP IN
R CH
±1V
TL072 IC1 (1/2)
+15V
-15V
C10 100N CER
ZD1 15V
ZD2 15V
C8 100N CER
DC SERVO AMP
to pin8 IC2
+15V
R46 2K2
C38 100N CER
ZD4 15V
C37 100N CER
ZD5 15V
R45 2K2
-15V
to pin4 IC2
TO +35V
A
FUSE
T3.15A
4 X 1N5402 BRIDGE
MAINS TRANSFORMER
DRAWN FOR 220V
25V
C91 6800uF 35V
C32 6800uF 35V
C36 100N
C33 100N
C34 100N
C35 100N
RD1
RD2
RD3
RD4
RED
YELLOW
BLUE
25V GREY
FUSE
T3.15A
B
TO -35V
4K7 R33
LED 1 GREEN
SW3
FUSE 3
LINE
MAINS FUSE
T2A - 220/240V
T4A - 110/115V
IEC MAINS CONNECTOR
NEUTRAL
MAINS SWITCH
FOR 110/115 V OPERATION
JOIN 1 & 3 TO 5
JOIN 2 & 4 TO 6
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