REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:
REV B			9/24/90
Ⓑ PL	ECO NO. 1187	J. Pleitz	2-12-91
Ⓐ RMS	ECO NO. 5	J. Pleitz	3-14-91

HB1
HB-PIM
LCH AUDIO
RCH AUDIO
CR14 RED LED SS-181
RV-5020PH LCH TREBLE 5K VR4A
RV-5020PH RCH TREBLE 5K VR4B
RV1 LCH GAIN 5K TRIM RV-502TV
RV2 RCH GAIN 5K TRIM RV-502TV
C19 10UF 50V CERC-106C
J1 RCA LCH INPUT HW-735G
VR3A LCH BASS 500K RV-5040PH
VR3B RCH BASS 500K RV-5040PH
+15 VDC
C2 10UF 50V CERC-106C
OUTPUT GND
C1 10UF 50V CERC-106C
-15 VDC
C20 10UF 50V CERC-106C
J2 RCA RCH INPUT HW-735G
INPUT GND
RCH INPUT
LCH INPUT

C9 4.7UF 50V CERNP-475C
LCH AUDIO
SW ON - OFF
+15 VDC
OUTPUT GND
-15 VDC
HB3
HB-POM
RV4 2K TRIMMER RV-202
Ⓐ 432 R46 4.75 K 1% 1/4W RMP/4-4751 Ⓐ 4321
TURN OFF CLAMP
Q16 MPS6521 SS-209
Q14 MPSA06 SS-102A
C23 22 UF 16 V CERC-226
R45 180 1% 1/4W RMP/4-1800
R28 100 1% 1/4W RMP/4-1000
Ⓐ 432 R34 .301 K 1% 1/4W RMP/4-3013 Ⓐ 3323
Ⓐ 432 R35 .301 K 1% 1/4W RMP/4-3013 Ⓐ 3323
HB6
HB-PPM
+66 VDC
+33 VDC
LCH OUT (-)
OUTPUT GND
LCH OUT (+)
-33 VDC
Q1 IR-540 FORMED SS-734S
Q2 IR-540 FORMED SS-734S
Q3 IR-540 FORMED SS-734S
Q4 IR-540 FORMED SS-734S
R10 10 1% 1/4W RMP/4-0100
R11 10 1% 1/4W RMP/4-0100
R12 10 1% 1/4W RMP/4-0100
R9 10 1% 1/4W RMP/4-0100
R32 750 1% 1/4W RMP/4-7500
R33 750 1% 1/4W RMP/4-7500
R31 750 1% 1/4W RMP/4-7500
R30 750 1% 1/4W RMP/4-7500
R18 .1 2W RW2-001
R19 .1 2W RW2-001
R21 .1 2W RW2-001
R20 .1 2W RW2-001
C16 100 UF 50 V CERC-107C
C3 .1UF 100V CYC-104
R36 2.7 10% 1/2W RC/2-027
R47 10K 1% 1/4W RMP/4-1002
C17 100 UF 50 V CERC-107C

CR6 BYV-27-100 SS-175
CR7 BYV-27-100 SS-175
CR5 BYV-27-100 SS-175
L2 .8UH CHOKE TT-507
CR3 WURB15 SS-170
R50 10 OHM 2W RW2-100
C8 100UF 50V CERC-107C
CR4 WURB15 SS-170
U2 LM7815 SS-231S
C11 100UF 50V CERC-107C
CER12 3300UF 35V CERS-338B
CR8 1N4003 SS-161
C12 100UF 50V CERC-107C
CER13 3300UF 35V CERS-338B
CR1 WURB15 SS-170
CR2 WURB15 SS-170
U1 LM7915 SS-232S
L1 .8UH CHOKE TT-507
C30 .0082 UF 100V CYC-822
C7 100UF 50V CERC-107C

T1 CORE:3CB TT-150K
330UF 16V CERHF-337
C24
C26
C5
L3 .4 UH CHOKE TT-519
C6 330UF 16V CERHFC-107A
B+
PWR GND
CR9 1N5386 SS-183
CR10 1N5386 SS-183
Q9 BUZ11A SS-264
Q20 BUZ11A SS-264
Q21 BUZ11A SS-264
Q11 BUZ11A SS-264
Q10 BUZ11A SS-264
Q12 BUZ11A SS-264
R3 100 OHM 1% 1/4W RMP/4-1000
R51 100 OHM 1% 1/4W RMP/4-1000
R4 100 OHM 1% 1/4W RMP/4-1000
R5 100 OHM 1% 1/4W RMP/4-1000
R16 100 OHM 1% 1/4W RMP/4-1000
R6 100 OHM 1% 1/4W RMP/4-1000

CR12 1N4003 SS-161
+15 VDC
R43 20K OHM 1% 1/4W RMP/4-2002
TURN OFF CLAMP
R44 20K OHM 1% 1/4W RMP/4-2002
Q13 MPSA06 SS-102A
-15 VDC
SW ON - OFF
TH1 10K @ 25C 1% @ 90C SS-269
TH2 10K @ 25C 1% @ 90C SS-269
Q19 MPSA06 SS-102A
Q18 MPSA06 SS-102A
R48 3.32 K 1% 1/4W RMP/4-3321
R49 3.32 K 1% 1/4W RMP/4-3321
HB8
HB-PMM
AP LINE
R2 130K OHM 1% 1/4W RMP/4-1303
+33 VDC
-33 VDC
R1 130K OHM 1% 1/4W RMP/4-1303
CR11 1N4003 SS-161
C14 100UF 50V CERC-107C
C15 10UF 50V CERC-106C
C13 10UF 50V CERC-106C

EDGE-1
EDGE-2
EDGE-3
EDGE-4
EDGE-5
EDGE-6
EDGE-7
EDGE-8
EDGE-9
EDGE-10
EDGE-11
EDGE-12
EDGE-13
EDGE-14
EDGE-15
EDGE-16
EDGE-17
EDGE-18
EDGE-19
EDGE-20
EDGE-21
EDGE-22

CON4 8 CKT CONN CC-601
CON4-1 CON4-2 CON4-3 CON4-4 CON4-5 CON4-6 CON4-7 CON4-8
CON3 8 CKT CONN CC-601
CON3-1 CON3-2 CON3-3 CON3-4 CON3-5 CON3-6 CON3-7 CON3-8
LCH OUT (-)
LCH OUT (+)
RCH OUT (+)
RCH OUT (-)
AP LINE
RCH INPUT
LCH INPUT
INPUT GND
B+
PWR GND
CON1 6 PIN MOLEX CC-613
CON1-1 CON1-2 CON1-3 CON1-4 CON1-5 CON1-6
CON2 2 CKT HI CURRENT SC-618 Ⓑ CC-677
CON2-1 CON2-2
PWR GND
OUTPUT GND

HB4
HB-POM
RV3 2K TRIMMER RV-202
Ⓐ 432 R42 4.75 K 1% 1/4W RMP/4-4751 Ⓐ 4321
TURN OFF CLAMP
Q17 MPS6521 SS-209
Q15 MPSA06 SS-102A
C18 22 UF 16 V CERC-226
R41 180 1% 1/4W RMP/4-1800
R23 100 1% 1/4W RMP/4-1000
Ⓐ 432 R38 .301 K 1% 1/4W RMP/4-3013 Ⓐ 3323
Ⓐ 432 R37 .301 K 1% 1/4W RMP/4-3013 Ⓐ 3323
HB7
HB-PPM
C10 4.7UF 50V CERNP-475C
RCH AUDIO
SW ON - OFF
+15 VDC
OUTPUT GND
-15 VDC
+66 VDC
+33 VDC
RCH OUT (+)
RCH OUT (-)
-33 VDC
Q6 IR-540 FORMED SS-734S
Q5 IR-540 FORMED SS-734S
Q7 IR-540 FORMED SS-734S
Q8 IR-540 FORMED SS-734S
R13 10 1% 1/4W RMP/4-0100
R24 10 1% 1/4W RMP/4-0100
R14 10 1% 1/4W RMP/4-0100
R8 10 1% 1/4W RMP/4-0100
R26 750 1% 1/4W RMP/4-7500
R29 750 1% 1/4W RMP/4-7500
R27 750 1% 1/4W RMP/4-7500
R7 750 1% 1/4W RMP/4-7500
R25 .1 2W RW2-001
R17 .1 2W RW2-001
R22 .1 2W RW2-001
R15 .1 2W RW2-001
C21 100 UF 50 V CERC-107C
C4 .1UF 100V CYC-104
R39 2.7 10% 1/2W RC/2-027
R40 10K 1% 1/4W RMP/4-1002
C22 100 UF 50 V CERC-107C

COMPANY: ROCKFORD CORPORATION - FOSGATE DIVISION 613 SOUTH ROCKFORD DRIVE TEMPE, ARIZONA. 85281			
TITLE: PUNCH 150HD rev b schematic			
DRAWN: JOHN J PLEITZ	DATED: 8-3-90		
CHECKED: Zi Zi Chow	DATED: 1-17-91		
QUALITY CONTROL:	DATED:	CHANGES: JP 11-8-90 C19, C20, R28 3-14-91 Ⓐ 12pc5 Eco #0.5 2.2.CHNG	SIZE: D
RELEASED: J. Pleitz	DATED: 1-17-91	DRAWING NO: SCH - P150HD rev b	REV: B
		SCALE:	FILE NAME : P150REVB
			SHEET: 1 OF 1