

SECTION V — ELECTRICAL DRAWINGS

REPRODUCE LOGIC PCB 831-0289 PARTS LIST

(9 / 8 5)

REPRODUCE LOGIC PC CARD
(Assembly #831-0289-003)

CAPACITORS

C201	680-2563-033	POLYESTER FILM, .10 ufd, 63V, 5%
C202	680-2563-033	POLYESTER FILM, .10 ufd, 63V, 5%
C203	680-2563-033	POLYESTER FILM, .10 ufd, 63V, 5%
C204	680-2563-033	POLYESTER FILM, .10 ufd, 63V, 5%
C205	680-2563-033	POLYESTER FILM, .10 ufd, 63V, 5%
C206	680-2563-033	POLYESTER FILM, .10 ufd, 63V, 5%
C207	680-2563-033	POLYESTER FILM, .10 ufd, 63V, 5%
C208	680-2563-033	POLYESTER FILM, .10 ufd, 63V, 5%
C209	680-2563-033	POLYESTER FILM, .10 ufd, 63V, 5%
C210	680-2563-033	POLYESTER FILM, .10 ufd, 63V, 5%
C211	680-2563-033	POLYESTER FILM, .10 ufd, 63V, 5%
C212	680-2563-033	POLYESTER FILM, .10 ufd, 63V, 5%
C213	680-2563-033	POLYESTER FILM, .10 ufd, 63V, 5%
C214	680-2563-033	POLYESTER FILM, .10 ufd, 63V, 5%
C215	680-2563-033	POLYESTER FILM, .10 ufd, 63V, 5%
C216	680-2563-033	POLYESTER FILM, .10 ufd, 63V, 5%
C217	680-2563-033	POLYESTER FILM, .10 ufd, 63V, 5%
C218	695-1910-013	ALUMINUM ELECTROLYTIC, 100 ufd, 10V
C219	686-0011-000	CERAMIC DISC, 15 pfd, 1000V, 20%
C220	686-0011-000	CERAMIC DISC, 15 pfd, 1000V, 20%
C221	694-0005-000	TANTALUM, 1 ufd, 35 V, 20%, RADIAL
C222	680-0101-033	POLYESTER FILM, .001 ufd, 100V, 5%
C223	680-0101-033	POLYESTER FILM, .10 ufd, 63V, 5%
C224	680-2563-033	POLYESTER FILM, .10 ufd, 63V, 5%
C225	680-2563-033	POLYESTER FILM, .10 ufd, 63V, 5%
C226	680-2563-033	POLYESTER FILM, .10 ufd, 63V, 5%
C227	680-2563-033	POLYESTER FILM, .10 ufd, 63V, 5%
C228	680-2563-033	POLYESTER FILM, .10 ufd, 63V, 5%
C229	680-2563-033	POLYESTER FILM, .10 ufd, 63V, 5%
C230	695-1910-033	ALUMINUM ELECTROLYTIC, 100 ufd, 10V

RESISTORS

R201	630-0063-000	CARBON FILM, 1K OHM, 1/4 W, 5%
R202	630-0079-000	CARBON FILM, 4.7K OHM, 1/4 W, 5%
R203	630-0079-000	CARBON FILM, 4.7K OHM, 1/4 W, 5%

RESISTOR NETWORKS

RP201	631-0007-000	COMMON SIP, 9R, 330 OHM, 2%
RP202	631-0025-000	COMMON SIP, 5R, 1K, 2%
RP203	631-0025-000	COMMON SIP, 5R, 1K, 2%
RP204	631-0025-000	COMMON SIP, 5R, 1K, 2%
RP205	631-0023-000	COMMON SIP, 5R, 10K, 2%
RP206	631-0041-000	COMMON SIP, 4R, 10K, 2%

SOCKETS

U201	613-0017-000	SOCKET, IC, 40 PIN, DIP
U202	613-0020-000	SOCKET, IC, 20 PIN, DIP
U203	613-0019-000	SOCKET, IC, 24 PIN, DIP
U204	613-0009-000	SOCKET, IC, 16 PIN, DIP
U205	613-0008-000	SOCKET, IC, 14 PIN, DIP
U206, 7	613-0009-000	SOCKET, IC, 16 PIN, DIP
U208, 9	613-0009-000	SOCKET, IC, 16 PIN, DIP
U210	613-0007-000	SOCKET, IC, 8 PIN, DIP

U211	613-0007-000	SOCKET, IC, 8 PIN, DIP
U212	613-0008-000	SOCKET, IC, 14 PIN, DIP
U213	613-0008-000	SOCKET, IC, 14 PIN, DIP
U214	613-0008-000	SOCKET, IC, 14 PIN, DIP
U215	613-0009-000	SOCKET, IC, 16 PIN, DIP
U216	613-0009-000	SOCKET, IC, 16 PIN, DIP
U217	613-0007-000	SOCKET, IC, 8 PIN, DIP

SEMI-CONDUCTORS

U201	610-0011-000	MICROPROCESSOR, EPROM 8749
U202	607-0033-000	74LS374, 8 BIT LATCH
U203	607-0018-000	74150, 1 OF 16 MULTIPLEXER
U204	607-0025-000	74LS151, 8-INPUT MULTIPLEXER
U205	607-0049-000	74LS05, HEX INVERTER WITH OPEN COLLECTOR
U206	607-0009-000	75451, DUAL PERIPHERAL AND DRIVER
U207	607-0009-000	75451, DUAL PERIPHERAL AND DRIVER
U208	607-0009-000	75451, DUAL PERIPHERAL AND DRIVER
U209	607-0009-000	75451, DUAL PERIPHERAL AND DRIVER
U210	607-0009-000	75451, DUAL PERIPHERAL AND DRIVER
U211	607-0009-000	75451, DUAL PERIPHERAL AND DRIVER
U212	607-0024-000	74LS74, DUAL D FLIP-FLOP WITH EAR & PRESET
U213	607-0045-000	74LS393, DUAL 4 BIT BINARY COUNTER
U214	607-0035-000	74LS95, 4 BIT SHIFT REGISTER
U215	607-0034-000	74LS123, DUAL RETRIG. MONOSTABLE W/CLEAR
U216	608-0033-000	MC14526B, PROGRAMMABLE BINARY DIVIDE-BY-N
U217	609-0025-000	LM311N, VOLTAGE COMPARATOR

STRAPPING

W201	427-0003-000	BUS WIRE, SOLID, #24 AWG
W202	427-0003-000	BUS WIRE, SOLID, #24 AWG
W203	427-0003-000	BUS WIRE, SOLID, #24 AWG
W204	427-0003-000	BUS WIRE, SOLID, #24 AWG
W205	427-0003-000	BUS WIRE, SOLID, #24 AWG
W206	427-0003-000	BUS WIRE, SOLID, #24 AWG
W207	427-0003-000	BUS WIRE, SOLID, #24 AWG
W208	427-0003-000	BUS WIRE, SOLID, #24 AWG
W209	427-0003-000	BUS WIRE, SOLID, #24 AWG
W210	427-0003-000	BUS WIRE, SOLID, #24 AWG
W211	427-0003-000	BUS WIRE, SOLID, #24 AWG

MISCELLANEOUS

XTL201	448-0010-000	CRYSTAL, 5.22350 MHZ.
1	323-0003-001	CARD PULL, DELTAS
1	282-0046-000	PIN, ROLL, 1/16 X 3/16
1	280-0024-000	LABEL, EPROM WINDOW
1	297-0028-001	SHIELD, PLAYBACK LOGIC PCB (DI, DIII)
4	300-0095-001	SPACER, 4-40 X 3/16 PHIL FLAT HD., 100 DEG., ZP
4	350-0427-000	SCREW, 4-40 X 1/4 PHIL PAN 2P
4	350-0404-000	SCREW, 4-40 X 1/4 PHIL PAN 2P
1	316-0010-001	INSULATOR, PLAY LOGIC SHIELD, FROM 316-0008-00C

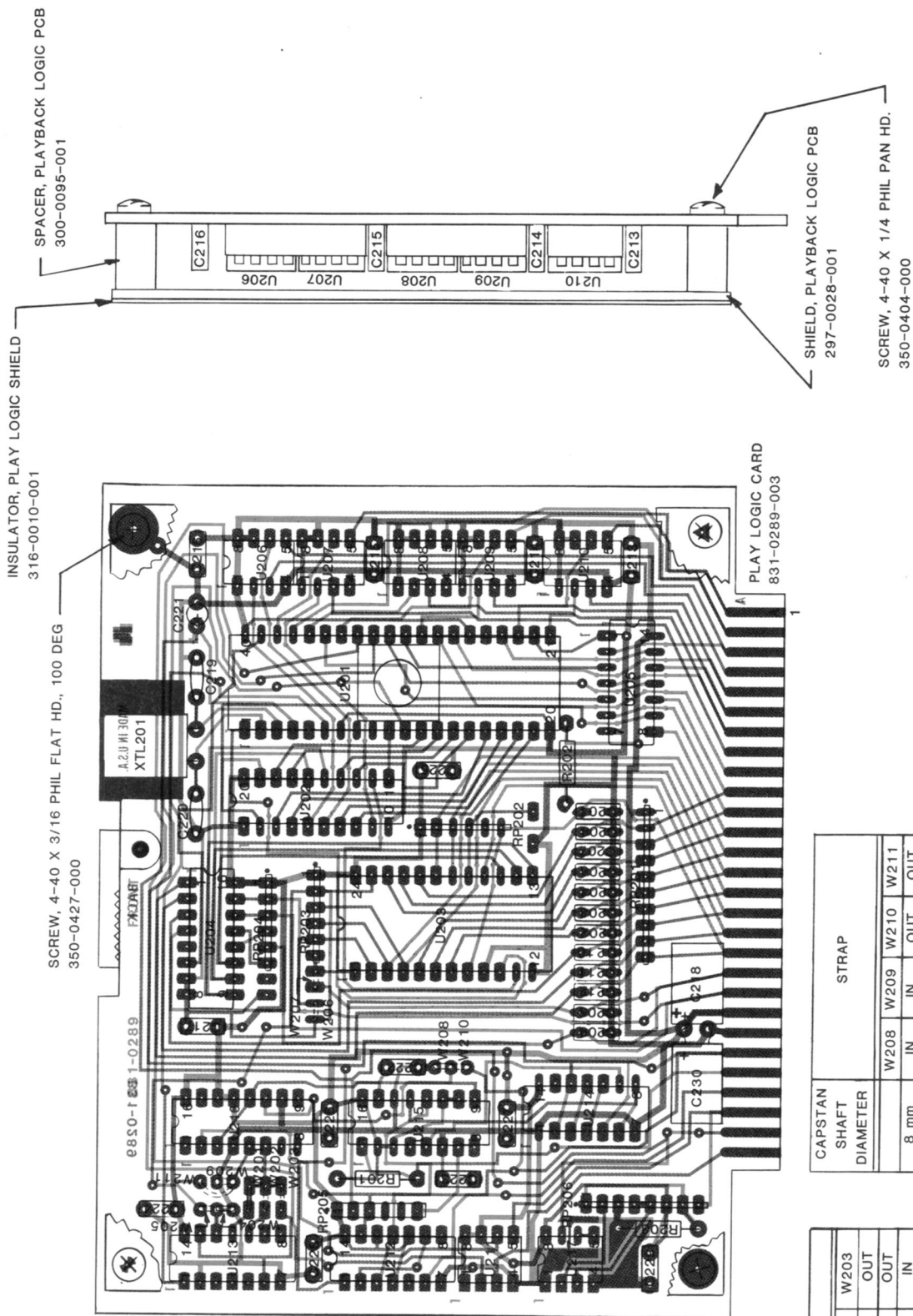


FIGURE 5-1
 831-0289
 REPRODUCE LOGIC PCB
 OVERLAY
 5-4

OPTIONS	STRAP	W206	W207
NO FLASH,		IN	OR
NO START		IN	OR
LOCK OUT		OUT	OUT
FLASH,		OUT	OUT
NO START		OUT	OUT
LOCK OUT		OUT	OUT
FLASH,		OUT	OUT
START		OUT	OUT
LOCK OUT		OUT	OUT

IPS	STRAP	W201	W202	W203
7 1/2		IN	OUT	OUT
3 3/4		OUT	IN	OUT
15		OUT	OUT	IN

CAPSTAN SHAFT DIAMETER	STRAP					
	W208	W209	W210	W211	W212	W213
8 mm	IN	IN	OUT	OUT	IN	IN
10 mm	OUT	OUT	IN	IN	OUT	OUT

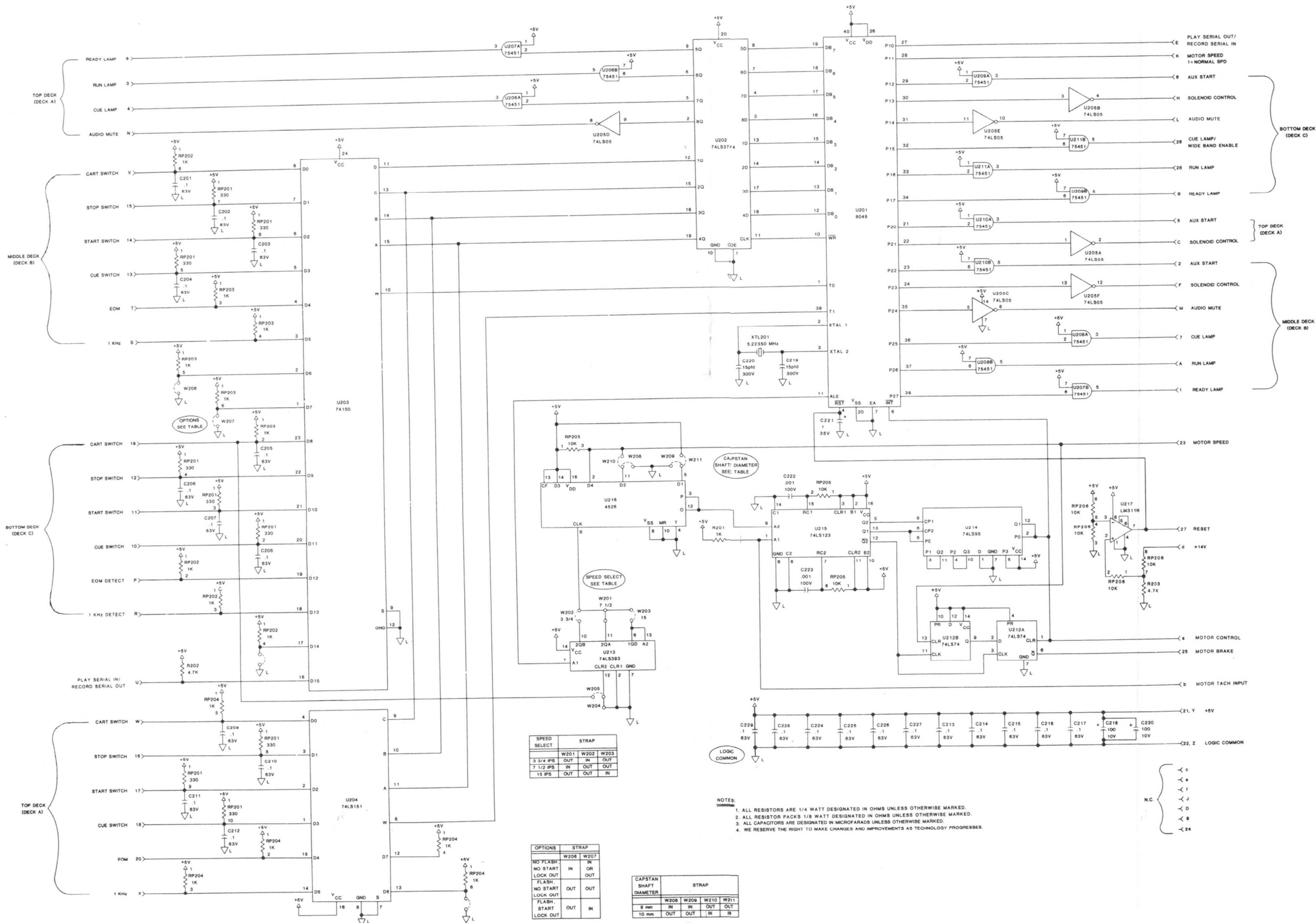


FIGURE 5-2

831-0289
REPRODUCE LOGIC PCB
SCHEMATIC

REPRODUCE AMPLIFIER & CUE DETECT PCB 831-0294 PARTS LIST (9/85)

REPRODUCE AMPLIFIER & CUE DETECTOR PCB
(Assembly #831-0294-003)

CAPACITORS

C101	677-0001-000	SILVER MICA, 100 pfd, 300 V
C102	677-0001-000	SILVER MICA, 100 pfd, 300 V
C103	695-1335-013	ALUMINUM ELECTROLYTIC, 10 ufd, 35 V
C104	695-1335-013	ALUMINUM ELECTROLYTIC, 10 ufd, 35 V
C105	695-2106-013	ALUMINUM ELECTROLYTIC, 220 ufd, 6.3 V
C106	695-2106-013	ALUMINUM ELECTROLYTIC, 220 ufd, 6.3 V
C107	680-1101-033	POLYESTER FILM, .0068 ufd, 100 V, 5%
C108	680-1101-033	POLYESTER FILM, .0068 ufd, 100 V, 5%
C109		NOT USED
C110		NOT USED
C111	695-1335-013	ALUMINUM ELECTROLYTIC, 10 ufd, 35 V
C112	695-1335-013	ALUMINUM ELECTROLYTIC, 10 ufd, 35 V
C113	677-0005-000	SILVER MICA, 47 pfd, 300 V
C114	677-0005-000	SILVER MICA, 47 pfd, 300 V
C115	677-0012-000	SILVER MICA, 820 pfd, 100V
C116	695-1335-013	ALUMINUM ELECTROLYTIC, 10 ufd, 35 V
C117	680-1563-033	POLYESTER FILM, .015 ufd, 63V 5%
C118	677-0008-000	SILVER MICA, 22 pfd, 300 V
C119	695-1716-013	ALUMINUM ELECTROLYTIC, 47 ufd, 16V
C120	680-1363-033	POLYESTER FILM, .01 ufd, 63V 5%
C121	680-1763-033	POLYESTER FILM, .022 ufd, 63V 5%
C122	680-1763-033	POLYESTER FILM, .022 ufd, 63V 5%
C123	680-0701-033	POLYESTER FILM, .0033 ufd, 100V 5%
C124	680-0701-033	POLYESTER FILM, .0033 ufd, 100V 5%
C125	680-0301-033	POLYESTER FILM, .0015 ufd, 100V, 5%
C126	680-0301-033	POLYESTER FILM, .0015 ufd, 100V, 5%
C127	678-0363-033	POLYPROPYLENE, 330 pfd, 63V 5%
C128	678-0563-033	POLYPROPYLENE, 470 pfd, 63V 5%
C129	886-0011-000	CERAMIC DISC, 15 pfd, 1000V, 20%
C130	886-0011-000	CERAMIC DISC, 15 pfd, 1000V, 20%
C131		NOT USED
C132	695-1716-013	ALUMINUM ELECTROLYTIC, 47 ufd, 16V
C133	695-1716-013	ALUMINUM ELECTROLYTIC, 47 ufd, 16V
C134	680-2563-033	POLYESTER FILM, .10 ufd, 63V 5%
C135	680-2563-033	POLYESTER FILM, .10 ufd, 63V 5%
C136	680-2563-033	POLYESTER FILM, .10 ufd, 63V 5%
C137	680-2563-033	POLYESTER FILM, .10 ufd, 63V 5%
C138	680-2563-033	POLYESTER FILM, .10 ufd, 63V 5%
C139	680-2563-033	POLYESTER FILM, .10 ufd, 63V 5%
C140	680-2563-033	POLYESTER FILM, .10 ufd, 63V 5%
C141	680-2563-033	POLYESTER FILM, .10 ufd, 63V 5%
C142	695-1716-013	ALUMINUM ELECTROLYTIC, 47 ufd, 16V
C143	695-1716-013	ALUMINUM ELECTROLYTIC, 47 ufd, 16V
C144	680-2563-033	POLYESTER FILM, .10 ufd, 63V 5%
C145	680-2563-033	POLYESTER FILM, .10 ufd, 63V 5%
C146	695-1716-013	ALUMINUM ELECTROLYTIC, 47 ufd, 16V
C147	695-1716-013	ALUMINUM ELECTROLYTIC, 47 ufd, 16V
C148	680-2563-033	POLYESTER FILM, .10 ufd, 63V 5%
C149	680-2563-033	POLYESTER FILM, .10 ufd, 63V 5%
C150	680-2563-033	POLYESTER FILM, .10 ufd, 63V 5%
C151	680-2563-033	POLYESTER FILM, .10 ufd, 63V 5%
C151	680-2563-033	POLYESTER FILM, .10 ufd, 63V 5%
C152		NOT USED
C153	677-0001-000	SILVER MICA, 100 pfd, 300V
C154	677-0001-000	SILVER MICA, 100 pfd, 300V
C155	677-0001-000	SILVER MICA, 100 pfd, 300V
C156	677-0001-000	SILVER MICA, 100 pfd, 300V
C157	677-0004-000	SILVER MICA, 300 pfd, 300V
C158	677-0004-000	SILVER MICA, 300 pfd, 300V
C159	677-0004-000	SILVER MICA, 300 pfd, 300V

RESISTOR NETWORKS

RP101	631-0032-000	RESISTOR ARRAY, SEPARATE SIP, 4R, 47K, 2%
RP102	631-0032-000	RESISTOR ARRAY, SEPARATE SIP, 4R, 47K, 2%
RP103	631-0032-000	RESISTOR ARRAY, SEPARATE SIP, 4R, 47K, 2%
RP104	631-0032-000	RESISTOR ARRAY, SEPARATE SIP, 4R, 47K, 2%
RP105	631-0032-000	RESISTOR ARRAY, SEPARATE SIP, 4R, 47K, 2%
RP106	631-0032-000	RESISTOR ARRAY, SEPARATE SIP, 4R, 47K, 2%
RP107	631-0036-001	RESISTOR NETWORK, SEP. SIP, CUSTOM
RP108	631-0036-001	RESISTOR NETWORK, SEP. SIP, CUSTOM
RP109	631-0039-000	RESISTOR ARRAY, COMMON SIP, 5R, 4.7K, 2%
RP110	631-0040-000	RESISTOR ARRAY, SEPARATE SIP, 4R, 470K, 2%
RP111	631-0039-000	RESISTOR ARRAY, COMMON SIP, 5R, 4.7K, 2%
RP112	631-0032-000	RESISTOR ARRAY, SEPARATE SIP, 4R, 47K, 2%
RP113	631-0032-000	RESISTOR ARRAY, SEPARATE SIP, 4R, 47K, 2%
RP114	631-0039-000	RESISTOR ARRAY, COMMON SIP, 5R, 4.7K, 2%
RP115	631-0039-000	RESISTOR ARRAY, COMMON SIP, 5R, 4.7K, 2%

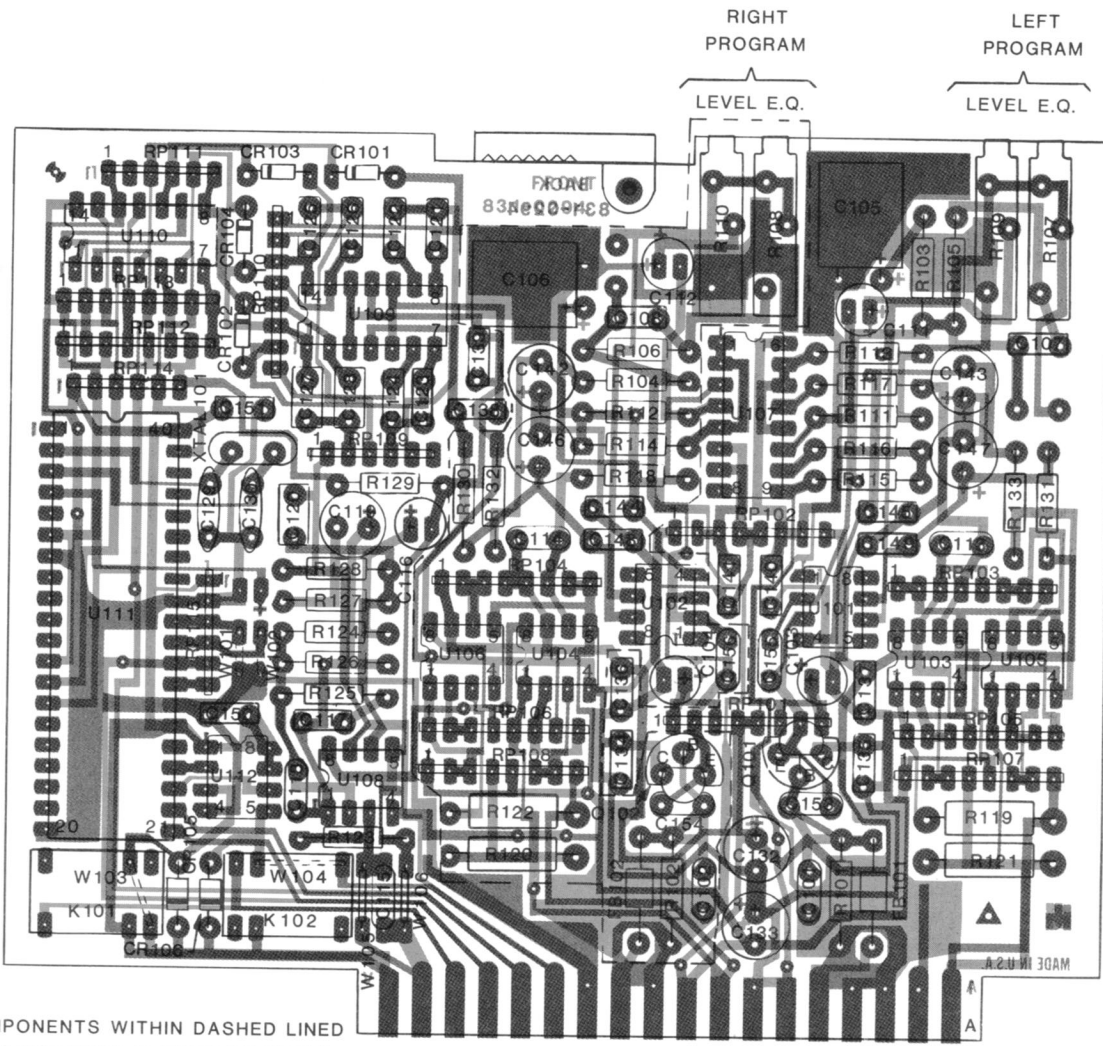
RESISTORS

R101	630-0111-000	CARBON FILM, 100K OHM, 1/4 W, 5%
R102	630-0111-000	CARBON FILM, 100K OHM, 1/4 W, 5%
R103	630-0033-000	CARBON FILM, 56 OHM, 1/4 W, 5%
R104	630-0033-000	CARBON FILM, 56 OHM, 1/4 W, 5%
R105	630-0131-000	CARBON FILM, 680K OHM, 1/4 W, 5%
R106	630-0131-000	CARBON FILM, 680K OHM, 1/4 W, 5%
R107	636-0031-000	POTENTIOMETER, 20K OHM, MULTI-TURN
R108	636-0031-000	POTENTIOMETER, 20K OHM, MULTI-TURN
R109	636-0031-000	POTENTIOMETER, 20K OHM, MULTI-TURN
R110	636-0031-000	POTENTIOMETER, 20K OHM, MULTI-TURN
R111	630-0103-000	CARBON FILM, 47K OHM, 1/4 W, 5%
R112	630-0103-000	CARBON FILM, 47K OHM, 1/4 W, 5%
R113	630-0103-000	CARBON FILM, 47K OHM, 1/4 W, 5%
R114	630-0103-000	CARBON FILM, 47K OHM, 1/4 W, 5%
R115	630-0079-000	CARBON FILM, 4.7K OHM, 1/4 W, 5%
R116	630-0079-000	CARBON FILM, 4.7K OHM, 1/4 W, 5%
R117	630-0075-000	CARBON FILM, 3.3K OHM, 1/4 W, 5%
R118	630-0075-000	CARBON FILM, 3.3K OHM, 1/4 W, 5%
R119	630-0236-000	CARBON FILM, 75 OHM, 1/2 W, 5%
R120	630-0236-000	CARBON FILM, 75 OHM, 1/2 W, 5%
R121	630-0236-000	CARBON FILM, 75 OHM, 1/2 W, 5%
R122	630-0236-000	CARBON FILM, 75 OHM, 1/2 W, 5%
R123	630-0115-000	CARBON FILM, 150K OHM, 1/4 W, 5%
R124	630-0055-000	CARBON FILM, 470 OHM, 1/4 W, 5%
R125	630-0093-000	CARBON FILM, 18K OHM, 1/4 W, 5%
R126	630-0115-000	CARBON FILM, 150K OHM, 1/4 W, 5%
R127	630-0057-000	CARBON FILM, 560 OHM, 1/4 W, 5%
R128	630-0079-000	CARBON FILM, 4.7K OHM, 1/4 W, 5%
R129	630-0079-000	CARBON FILM, 4.7K OHM, 1/4 W, 5%
R130	630-0063-000	CARBON FILM, 1K OHM, 1/4 W, 5%
R131	630-0063-000	CARBON FILM, 1K OHM, 1/4 W, 5%
R132	630-0063-000	CARBON FILM, 1K OHM, 1/4 W, 5%
R133	630-0063-000	CARBON FILM, 1K OHM, 1/4 W, 5%

SOCKETS

Q101	613-0004-001	PAD, TRANSISTOR, #7717-137N
Q102	613-0004-001	PAD, TRANSISTOR, #7717-137N
U101	613-0007-000	SOCKET, IC, 8 PIN, DIP
U102	613-0007-000	SOCKET, IC, 8 PIN, DIP
U103	613-0007-000	SOCKET, IC, 8 PIN, DIP

U104	613-0007-000	SOCKET, IC, 8 PIN, DIP	
U105	613-0007-000	SOCKET, IC, 8 PIN, DIP	
U106	613-0007-000	SOCKET, IC, 8 PIN, DIP	
U107	613-0009-000	SOCKET, IC, 16 PIN, DIP	
U108	613-0007-000	SOCKET, IC, 8 PIN, DIP	
U109	613-0008-000	SOCKET, IC, 14 PIN, DIP	
U110	613-0008-000	SOCKET, IC, 14 PIN, DIP	
U111	613-0017-000	SOCKET, IC, 40 PIN, DIP	
U112	613-0007-000	SOCKET, IC, 8 PIN, DIP	
TRANSISTORS			
Q101	590-0031-000	2N5087 PNP, LOW NOISE	
Q102	590-0031-000	2N5087 PNP, LOW NOISE	
SEMICONDUCTORS			
U101	606-0024-000	NE5534AN, LOW NOISE, SINGLE AUDIO OP AMP	
U102	606-0024-000	NE5534AN, LOW NOISE, SINGLE AUDIO OP AMP	
U103	606-0021-000	NE5532N, DUAL AUDIO OP AMP	
U104	606-0021-000	NE5532N, DUAL AUDIO OP AMP	
U105	606-0021-000	NE5532N, DUAL AUDIO OP AMP	
U106	606-0021-000	NE5532N, DUAL AUDIO OP AMP	
U107	608-0004-000	HC14052BC, CMOS DUAL 4-1 MULTIPLEX W/DECODE	
U108	606-0014-000	TL072CP, DUAL BI-FET OP AMP	
U109	606-0015-000	TL084CP, QUAD BI-FET OP AMP	
U110	609-0002-000	LM339N, QUAD VOLTAGE COMPARATOR	
U111	610-0011-000	MICROPROCESSOR, EPROM 8749	
U112	607-0009-000	75451, DUAL PERIPHERAL AND DRIVER	
DIODES			
CR101	575-0031-000	SMALL SIGNAL 1N4448	
CR102	575-0031-000	SMALL SIGNAL 1N4448	
CR103	575-0031-000	SMALL SIGNAL 1N4448	
CR104	575-0031-000	SMALL SIGNAL 1N4448	
CR105	575-0007-000	1N4005	
CR106	575-0007-000	1N4005	
STRAPPING			
W101	427-0003-000	BUS WIRE, SOLID, #24 AWG	
W102	427-0003-000	BUS WIRE, SOLID, #24 AWG	
W103	427-0003-000	BUS WIRE, SOLID, #24 AWG	
W104	427-0003-000	BUS WIRE, SOLID, #24 AWG	
W105	427-0003-000	BUS WIRE, SOLID, #24 AWG	
W106	427-0003-000	BUS WIRE, SOLID, #24 AWG	
MISCELLANEOUS			
FB101	516-0001-000	BEAD, FERRITE, W/LEADS	57-3425
FB102	516-0001-000	BEAD, FERRITE, W/LEADS	57-3425
K101	480-0011-000	RELAY, 5 VOLT	
K102	480-0011-000	RELAY, 5 VOLT	
	323-0003-001	CARD PULL	
	282-0046-000	PIN, ROLL, 1/16 X 3/16	
XTAL101	448-0009-000	CRYSTAL, 3.579 MHZ	
	280-0024-000	LABEL, EPROM WINDOW	



COMPONENTS WITHIN DASHED LINED AREA NOT USED IN MONO MACHINES

WHEN 1964 N.A.B. EQUALIZATION CURVE IS NEEDED
CHANGE R105 AND R106 TO 270K OHMS.

EOM FUNCTION	STRAP (S)	
	W101	W102
150 Hz	OUT	OUT
NO EOM	IN	OUT
8 KHz & 150 Hz	OUT	IN
8 KHz	IN	IN

	RELAY	OPEN COLLECTOR
	150 Hz	LOAD RELAY K101 REMOVE STRAP W103
8 KHz	LOAD RELAY K102 REMOVE STRAP W104	REMOVE RELAY K102 LOAD STRAP W104

NOTE:
C157, C158 AND C159 ARE USED FOR
IMPROVED RF ENVIRONMENTAL REJECTION.

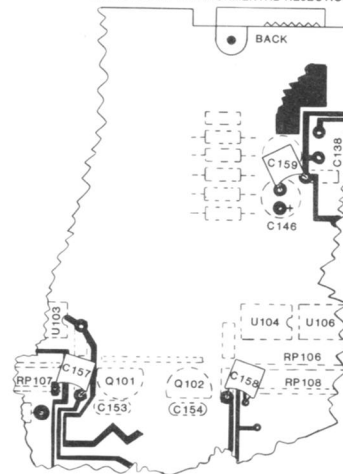


FIGURE 5-3

831-0294
REPRODUCE AMPLIFIER & CUE DETECT PCB (9/85)
OVERLAY

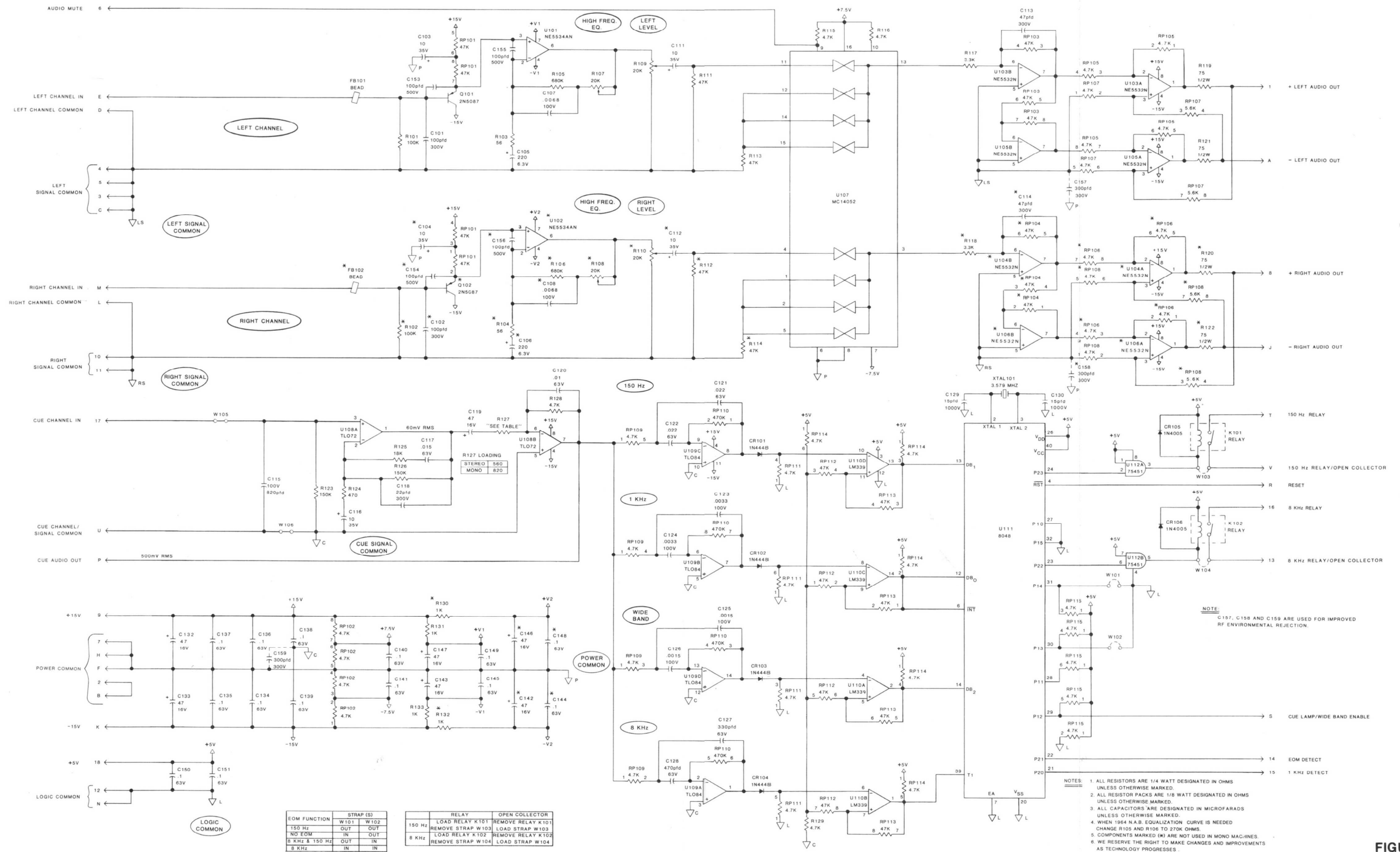


FIGURE 5-4

831-0294
(9/85) REPRODUCE AMPLIFIER & CUE DETECT PCB SCHEMATIC

MOTOR CONTROL PCB 831-0270 PARTS LIST (9/85)

DELTA I, II, III SERVO MOTOR CONTROL BOARD
(Assembly #831-0270-003)

CAPACITORS

C301	694-0005-000	TANTALUM, 1 ufd, 35V, 20% RADIAL
C302	680-2963-033	POLYESTER FILM, .22 ufd, 63V, 5%
C303	694-0005-000	TANTALUM, 1 ufd, 35V, 20%, RADIAL
C304	680-2963-033	POLYESTER FILM, .22 ufd, 63V, 5%
C305	680-1363-033	POLYESTER FILM, .01 ufd, 63V, 5%
C306	680-3363-033	POLYESTER FILM, .47 ufd, 63V, 5%
C307	680-3363-033	POLYESTER FILM, .10 ufd, 63V, 5%
C308	680-2563-033	POLYESTER FILM, .10 ufd, 63V, 5%
C309	680-2563-033	POLYESTER FILM, .10 ufd, 63V, 5%
C310	680-2563-033	POLYESTER FILM, .10 ufd, 63V, 5%
C311	680-2563-033	POLYESTER FILM, .10 ufd, 63V, 5%
C312	695-1335-013	ALUM. ELECTROLYTIC, 10 ufd, 35V, 5%

RESISTOR NETWORKS

RP301	631-0025-000	COMMON SIP, 5R, 1K, 2%
RP302	631-0033-000	SEPARATE SIP, 4R, 22K, 2%

RESISTORS

R301	630-0039-000	CARBON FILM, 100 OHM, 1/4W, 5%
R302	630-0039-000	CARBON FILM, 100 OHM, 1/4W, 5%
R303	630-0001-000	CARBON FILM, 2.7 OHM, 1/4W, 5%
R304	630-0135-000	CARBON FILM, 1M OHM, 1/4 W, 5%
R305	630-0087-000	CARBON FILM, 18K OHM, 1/4 W, 5%
R306	630-0093-000	CARBON FILM, 1M OHM, 1/4 W, 5%
R307	630-0135-000	CARBON FILM, 330K OHM, 1/4W, 5%
R308	630-0123-000	CARBON FILM, 47K OHM, 1/4W, 5%
R309	630-0103-000	CARBON FILM, 47K OHM, 1/4W, 5%
R310	630-0103-000	CARBON FILM, 47K OHM, 1/4W, 5%
R311	630-0063-000	CARBON FILM, 18K OHM, 1/4 W, 5%
R312	636-0046-000	POTENTIOMETER, 10K OHM, PC SERIES 268
R313	630-0089-000	CARBON FILM, 12K OHM, 1/4 W, 5%
R314	630-0087-000	CARBON FILM, 330K OHM, 1/4W, 5%
R315	630-0123-000	CARBON FILM, 820 OHM, 1/4 W, 5%
R316	630-0061-000	CARBON FILM, 1.5K OHM, 1/4 W, 5%
R317	630-0067-000	CARBON FILM, 1.5K OHM, 1/4 W, 5%
R318	630-0067-000	CARBON FILM, 100 OHM, 1/4W, 5%
R319	630-0039-000	CARBON FILM, 100 OHM, 1/4 W, 5%
R320	630-0067-000	CARBON FILM, 1.5K OHM, 1/4 W, 5%
R321	630-0067-000	CARBON FILM, 100 OHM, 1/4W, 5%
R322	630-0039-000	CARBON FILM, 1.5K OHM, 1/4 W, 5%
R323	630-0067-000	CARBON FILM, 1.5K OHM, 1/4 W, 5%
R324	630-0067-000	CARBON FILM, 1.5K OHM, 1/4 W, 5%
R325	630-0039-000	CARBON FILM, 100 OHM, 1/4W, 5%
R326	630-0087-000	CARBON FILM, 10K OHM, 1/4 W, 5%
R327	628-0001-000	WIRE WOUND, 0.1 OHM, 2 W, 5%, BWH
R328	630-0135-000	CARBON FILM, 1M OHM, 1/4 W, 5%
R329		

TRANSISTORS

Q301	590-0017-010	GES5816, NPN
Q302	590-0017-010	GES5816, NPN
Q303	590-0017-010	GES5816, NPN
Q304	590-0017-010	GES5816, NPN
Q305	590-0034-000	TIP125, PNP, DARLINGTON, POWER
Q306	590-0034-000	TIP120, NPN, DARLINGTON, POWER
Q307	590-0035-000	TIP125, PNP, DARLINGTON, POWER
Q308	590-0035-000	TIP120, NPN, DARLINGTON, POWER
Q309	590-0035-000	TIP125, PNP, DARLINGTON, POWER
Q310	590-0034-000	TIP120, NPN, DARLINGTON, POWER

DIODES

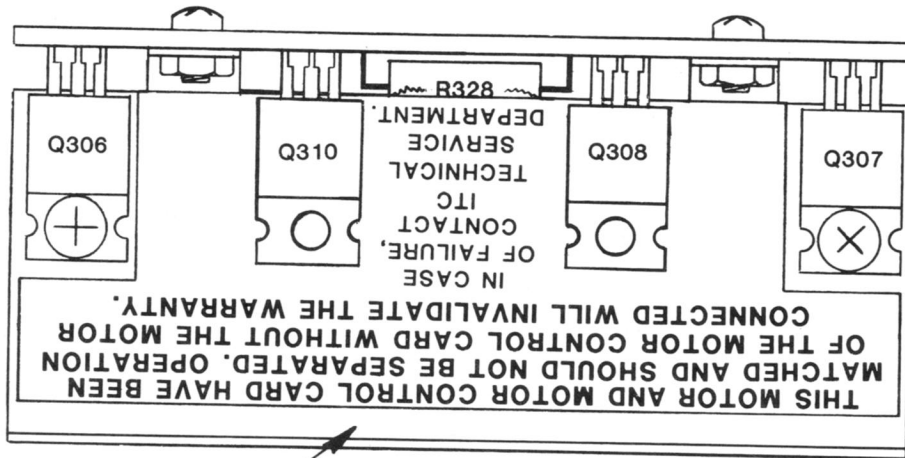
CR301	575-0031-000	SMALL SIGNAL [1N4448]
CR302	575-0031-000	SMALL SIGNAL [1N4448]
CR303	575-0031-000	SMALL SIGNAL [1N4448]
CR304	575-0031-000	SMALL SIGNAL [1N4448]
CR305	575-0031-000	SMALL SIGNAL [1N4448]
CR306	575-0031-000	SMALL SIGNAL [1N4448]
CR307	575-0031-000	SMALL SIGNAL [1N4448]
CR308	575-0031-000	SMALL SIGNAL [1N4448]
CR309	575-0031-000	SMALL SIGNAL [1N4448]
CR310	575-0033-000	POWER 3A, 6.00 VOLT [NR 506]

INTEGRATED CIRCUITS

U301	606-0016-000	TL074CP, QUAD BI-FET OP AMP
U302	607-0063-000	74LS86, QUAD 2 INPUT EXCLUSIVE OR
U303	607-0036-000	74LS02, QUAD 2 INPUT NOR
U304	607-0050-000	74LS08, QUAD 2 INPUT AND

MISCELLANEOUS

Q301-4	4	613-0004-001	PAD, TRANSISTOR, #7717-137N
U301-4	4	613-0008-000	SOCKET, IC, 14 PIN, DIP
Q305-7,9	4	613-0041-000	INSULATOR, THERMALLOY, T0-220
P301	1	376-0047-000	WAFER, 10 POS., LOCKING, KK100, #22-27-2101
P302	1	376-0047-000	WAFER, 10 POS., LOCKING, KK100, #22-27-2101
MISCELLANEOUS			
	2	352-0008-000	SCREW, 6-32 X 5/16, NYLON, SLOTTED, RD. HD.
	2	372-1105-000	NUT, 6-32 X .305 X 7/64, NYLON, HEX
	2	350-0404-000	SCREW, 4-40 X 1/4 PHIL PAN ZP
	2	370-0403-000	NUT, 4-40X1/4, KEPS HEX, STEEL, NP
	1	280-0060-002	LABEL, MOTOR CONTROL SHIELD
	1	254-0100-012	BRACKET, MOTOR CONTROL BOARD MOUNTING



MOTOR CONTROL BOARD
MOUNTING BRACKET
254-0100-012

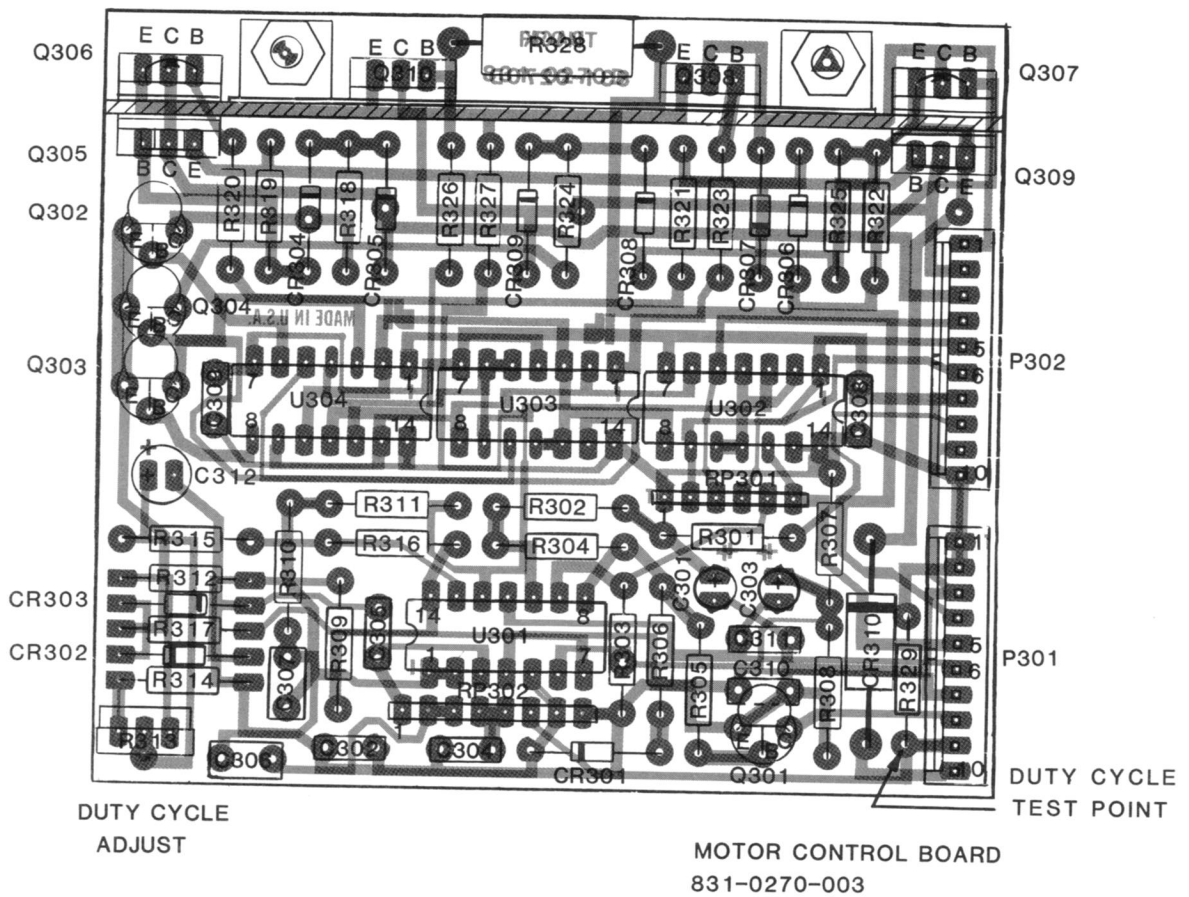
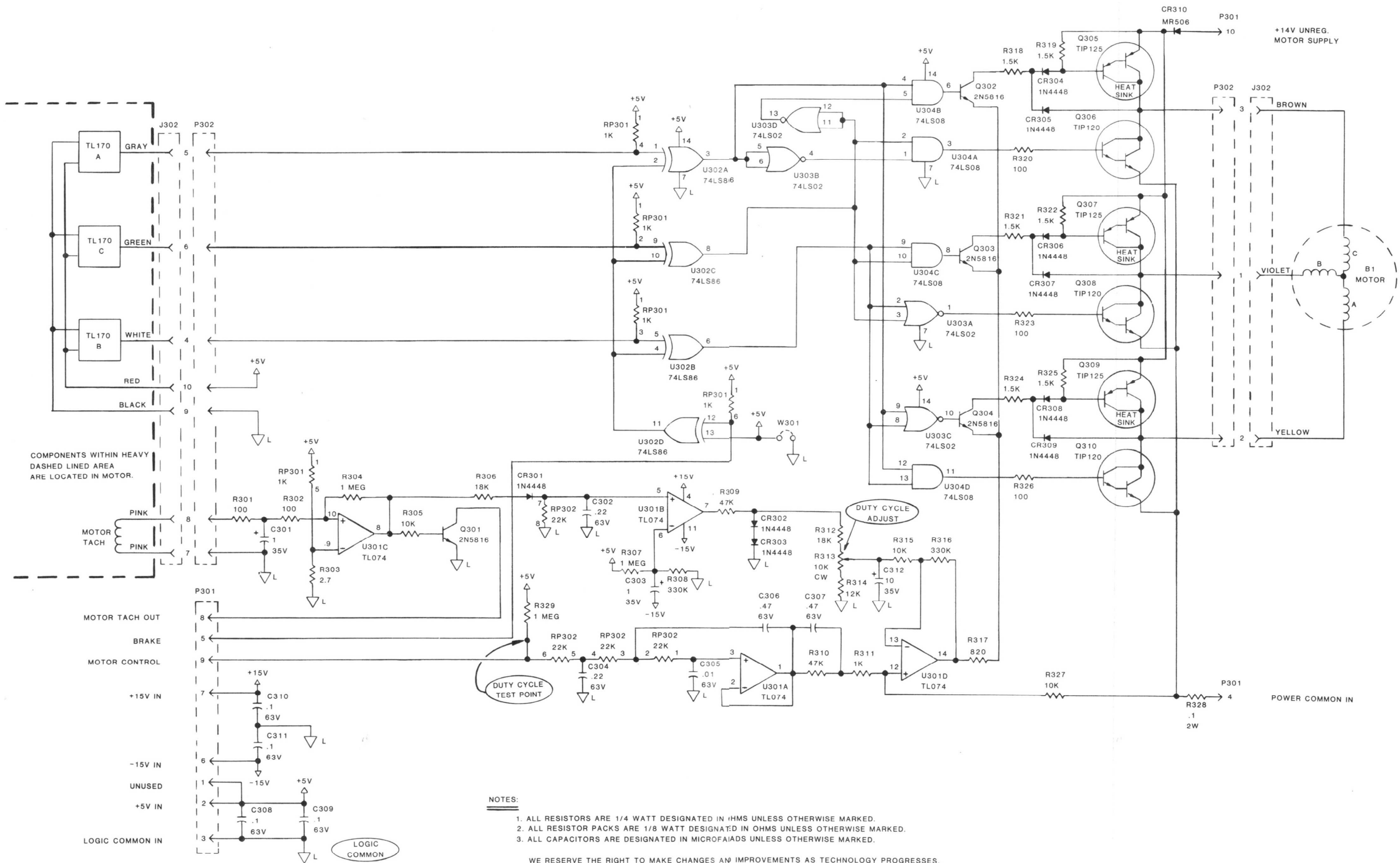


FIGURE 5-5
831-0270
MOTOR CONTROL PCB
OVERLAY



NOTES:

1. ALL RESISTORS ARE 1/4 WATT DESIGNATED IN OHMS UNLESS OTHERWISE MARKED.
2. ALL RESISTOR PACKS ARE 1/8 WATT DESIGNATED IN OHMS UNLESS OTHERWISE MARKED.
3. ALL CAPACITORS ARE DESIGNATED IN MICROFARADS UNLESS OTHERWISE MARKED.

WE RESERVE THE RIGHT TO MAKE CHANGES AND IMPROVEMENTS AS TECHNOLOGY PROGRESSES.

FIGURE 5-6

**831-0270
MOTOR CONTROL PCB
SCHEMATIC**

DELTA I-II MOTHERBOARD 831-0302 PARTS LIST (9/85)

DELTA I/II MOTHER BOARD
(Assembly #831-0302-003)

CAPACITORS

C501 698-0020-000 ALUMINUM ELECTROLYTIC, PC MT., 220 ufd, 400V
 C502 686-0009-000 CERAMIC DISC, .1 ufd, 25V
 C503 680-3163-033 POLYESTER FILM, .33 ufd, 63V, 5x
 C504 698-0016-000 ALUMINUM ELECTROLYTIC, PC MT., 2200 ufd, 35V
 C505 686-0009-000 CERAMIC DISC, .1 ufd, 25V
 C506 680-3163-033 POLYESTER FILM, .33 ufd, 63V, 5x
 C507 698-0016-000 ALUMINUM ELECTROLYTIC, PC MT., 2200 ufd, 35V
 C508 686-0009-000 CERAMIC DISC, .1 ufd, 25V
 C509 686-0009-000 CERAMIC DISC, .1 ufd, 25V
 C510 698-0017-000 ALUMINUM ELECTROLYTIC, PC MT., 15,000 ufd, 16V

DIODES

CR501 1N4005
 CR502 1N4005
 CR503 1N4005
 CR504 1N4005
 CR505 1N4005
 CR506 1N4005
 CR507 ZENER, 1N5231B
 CR508 1N4005
 CR509 1N4005
 CR510 1N4005
 CR511 POWER, 3A 600V, MR506
 CR512 POWER, 3A 600V, MR506
 CR513 1N4005
 CR514 1N4005
 CR515 1N4005

RESISTORS

R501 628-0193-000 WIREWOUND, 22 OHM, 4 W, BW
 R502 CARBON COMP.,
 R503 CARBON COMP.,
 R504 630-0043-000 CARBON FILM, 150 OHM, 1/4 W, 5x
 R505 WIREWOUND,
 R506 CARBON FILM, 10K OHM, 1/4 W, 5x
 R507 630-0047-000 CARBON FILM, 220 OHM, 1/4 W, 5x
 R508 630-0047-000 CARBON FILM, 220 OHM, 1/4 W, 5x
 R509 630-0047-000 CARBON FILM, 220 OHM, 1/4 W, 5x

INTEGRATED CIRCUITS & TRANSISTORS

U501 585-0014-000 OPTO-ISOLATER, MOC8204
 U502 607-0009-000 IC, 75451, DUAL PERIPHERAL AND DRIVER
 U503 607-0009-000 IC, 75451, DUAL PERIPHERAL AND DRIVER
 Q501 590-0033-000 TRANSISTOR, TIP50, NPN, POWER
 Q502 590-0017-000 TRANSISTOR, 2N5816

VOLTAGE REGULATORS

VR501 605-0012-000 MC7805CT, +5V, TO220 PLASTIC
 VR502 605-0010-000 MC7815CT, +15V, TO220 PLASTIC
 VR503 605-0011-000 MC7915CT, -15V, TO220 PLASTIC

SOCKETS

U501 613-0007-000 SOCKET, IC, 8 PIN, DIP
 U502 613-0007-000 SOCKET, IC, 8 PIN, DIP
 U503 613-0007-000 SOCKET, IC, 8 PIN, DIP

CONNECTORS

J1 380-0167-000 CONNECTOR, 15 PIN D-SUBMINIATURE PC MT.
 J2 380-0134-000 CONNECTOR, 24 PIN, W/LOCKING BAIL, FEMALE
 J514 380-0062-000 SOCKET, 3 PIN, 10-18-2031
 J515 380-0062-000 SOCKET, 3 PIN, 10-18-2031
 J516 380-0062-000 SOCKET, 3 PIN, 10-18-2031
 J517 380-0062-000 SOCKET, 3 PIN, 10-18-2031
 J518 380-0143-000 CONNECTOR, PC CARD EDGE, DUAL 18, 0.156
 J519 380-0165-000 DUAL CONNECTOR, 28 PIN, EARLESS
 P501 376-0058-000 HEADER, 6 POS., LOCKING, .100, 22-23-2061
 P502 376-0047-000 WAFER, 10 POS., LOCKING, 22-27-2101
 P503 376-0047-000 WAFER, 10 POS., LOCKING, 22-27-2101
 P504 376-0061-011 WAFER, 3 POS., LOCKING, KK156
 P505 376-0061-000 WAFER, 3 POS., LOCKING, KK156
 P506 376-0067-000 WAFER, 5 POS., HLSS156-5
 P507 376-0033-000 WAFER, 3 POS., LOCKING, GOLD, #22-29-2031
 P508 376-0033-000 WAFER, 3 POS., LOCKING, GOLD, #22-29-2031
 P509 376-0033-000 WAFER, 3 POS., LOCKING, GOLD, #22-29-2031
 P510 376-0033-000 WAFER, 3 POS., LOCKING, GOLD, #22-29-2031
 P511 376-0033-000 WAFER, 3 POS., LOCKING, GOLD, #22-29-2031
 P512 376-0033-000 WAFER, 3 POS., LOCKING, GOLD, #22-29-2031
 P513 376-0075-000 HEADER, 6 POS., LOCKING, .156

MISCELLANEOUS

W501 427-0003-000 BUS WIRE, SOLID, #24 AWG
 W502 427-0003-000 BUS WIRE, SOLID, #24 AWG
 613-0004-001 PAD, TRANSISTOR

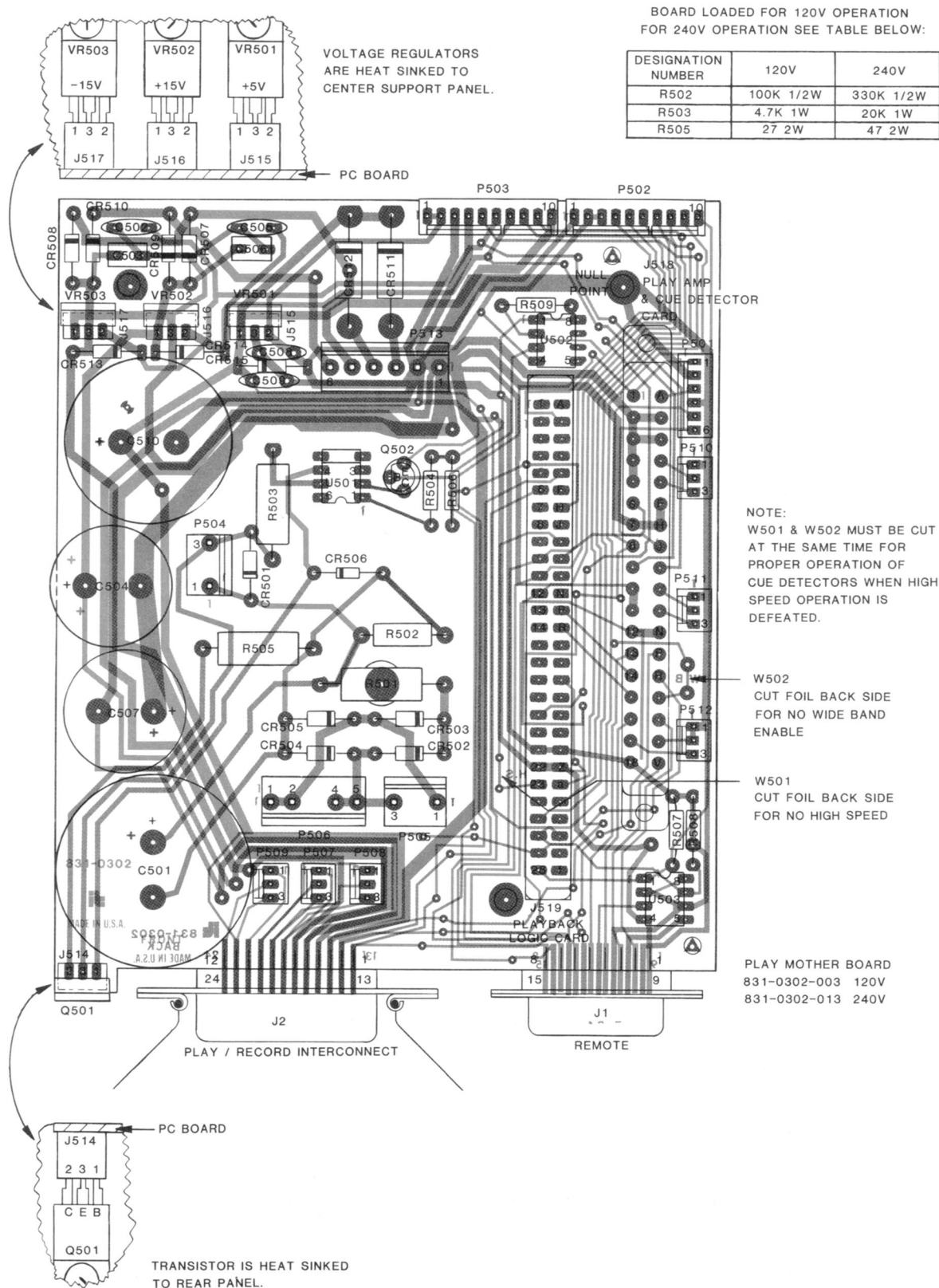
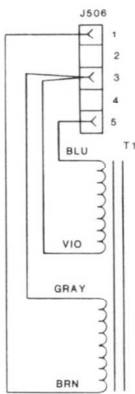


FIGURE 5-7
831-0302
DELTA I—II MOTHERBOARD
OVERLAY

240V LINE CORD COLORS



240V TRANSFORMER WIRING CONNECTIONS



PLAYBACK LOGIC CARD
831-0289

BOARD LOADED FOR 120V OPERATION FOR 240V OPERATION SEE TABLE BELOW

DESIGNATION NUMBER	120V	240V
R502	100K 1/2W	330K 1/2W
R503	4.7K 1W	20K 1W
R505	27.3W	47.2W

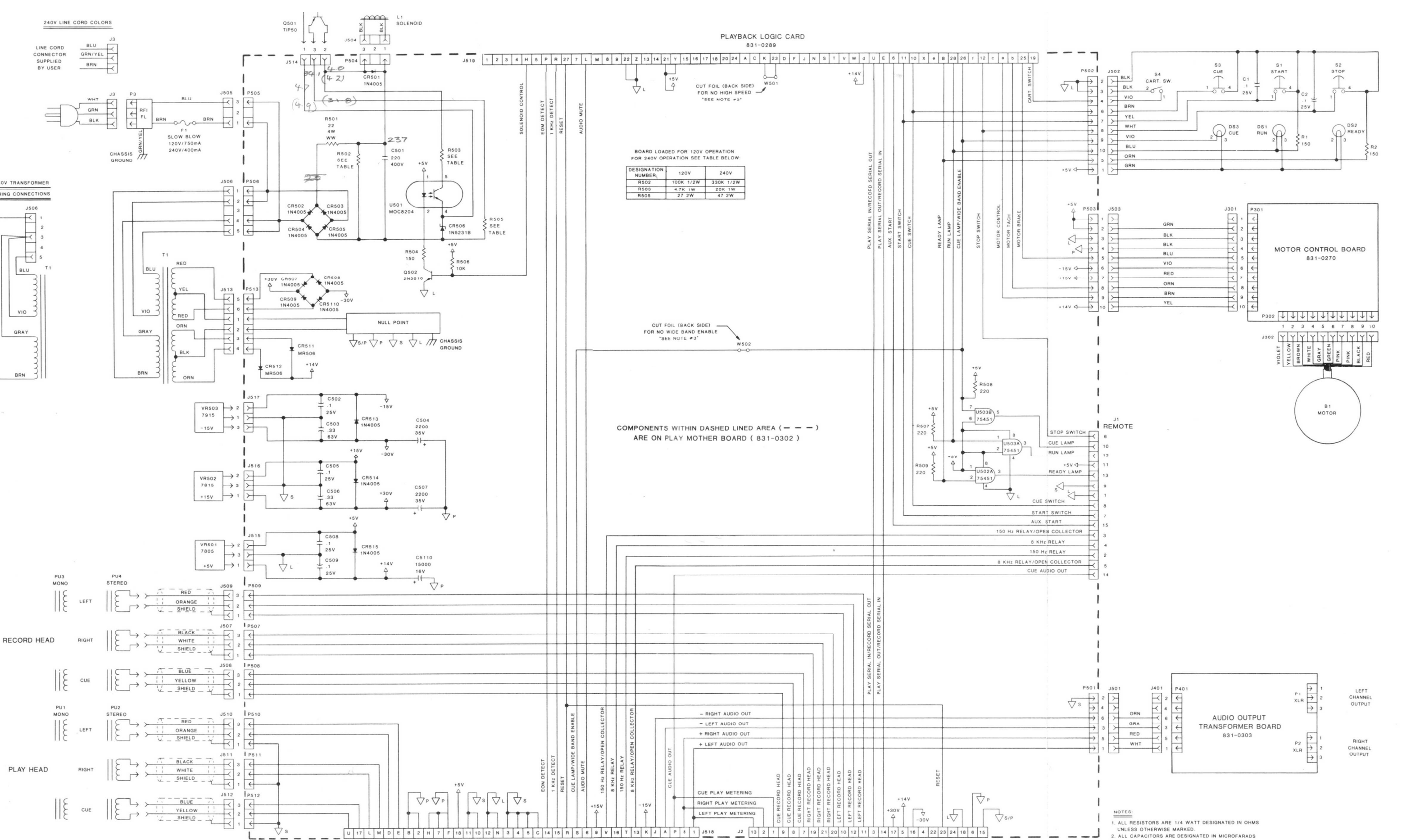
COMPONENTS WITHIN DASHED LINED AREA (---) ARE ON PLAY MOTHER BOARD (831-0302)

PLAY AMP & CUE DETECTOR CARD
831-0294

INTERCONNECT
(TO J4 OF DELTA IV)

FIGURE 5-8
831-0302
DELTA I-II MOTHERBOARD
SCHEMATIC

- NOTES
1. ALL RESISTORS ARE 1/4 WATT DESIGNATED IN OHMS UNLESS OTHERWISE MARKED.
 2. ALL CAPACITORS ARE DESIGNATED IN MICROFARADS UNLESS OTHERWISE MARKED.
 3. FOR PROPER OPERATION OF CUE DETECTORS WHEN HIGH SPEED OPERATION IS DEFEATED CUT FOIL W502.
 4. WE RESERVE THE RIGHT TO MAKE CHANGES AND IMPROVEMENTS AS TECHNOLOGY PROGRESSES.



DELTA I—II OUTPUT TRANSFORMER PCB 831-0303 PARTS LIST

DELTA I/II AUDIO OUTPUT PCB
(Assembly #831-0303-013)

TRANSFORMERS

T401	532-0011-000	TRANSFORMER, AUDIO OUTPUT [AM-9724]
T402	532-0011-000	TRANSFORMER, AUDIO OUTPUT [AM-9724]

STRAPPING

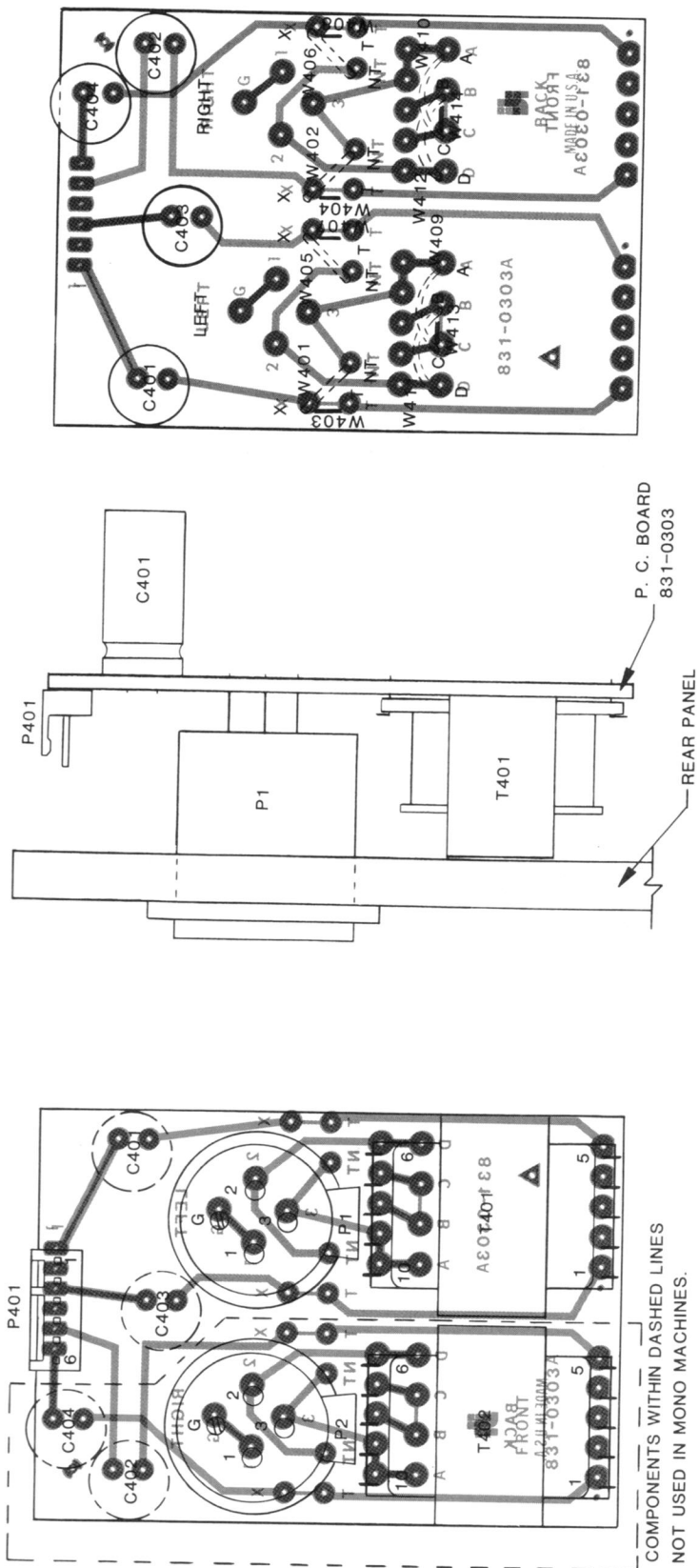
W401	427-0003-000	BUS WIRE, SOLID, #24 AWG
W402	427-0003-000	BUS WIRE, SOLID, #24 AWG
W403	xxx-xxxx-xxx	PCB FOIL, (See Table For Function)
W404	xxx-xxxx-xxx	PCB FOIL, (See Table For Function)
W405	427-0003-000	BUS WIRE, SOLID, #24 AWG
W406	427-0003-000	BUS WIRE, SOLID, #24 AWG
W407	xxx-xxxx-xxx	PCB FOIL, (See Table For Function)
W408	xxx-xxxx-xxx	PCB FOIL, (See Table For Function)
W409	427-0003-000	BUS WIRE, SOLID, #24 AWG
W410	427-0003-000	BUS WIRE, SOLID, #24 AWG
W411	427-0003-000	BUS WIRE, SOLID, #24 AWG
W412	427-0003-000	BUS WIRE, SOLID, #24 AWG
W413	xxx-xxxx-xxx	PCB FOIL, (See Table For Function)
W414	xxx-xxxx-xxx	PCB FOIL, (See Table For Function)

CONNECTORS

P1	378-0057-000	CONNECTOR, XLR 3 PIN (MALE) #NC 3MD-V
P2	378-0057-000	CONNECTOR, XLR 3 PIN (MALE) #NC 3MD-V
P401	376-0058-000	WAFER, 6 POS., LOCKING, #22-27-2061

CAPACITORS (TRANSFORMERLESS)

C401	697-0002-000	ELECTROLYTIC, NON-POLAR, 220 ufd, 16V
C402	697-0002-000	ELECTROLYTIC, NON-POLAR, 220 ufd, 16V
C403	697-0002-000	ELECTROLYTIC, NON-POLAR, 220 ufd, 16V
C404	697-0002-000	ELECTROLYTIC, NON-POLAR, 220 ufd, 16V



IMPEDANCE TABLE

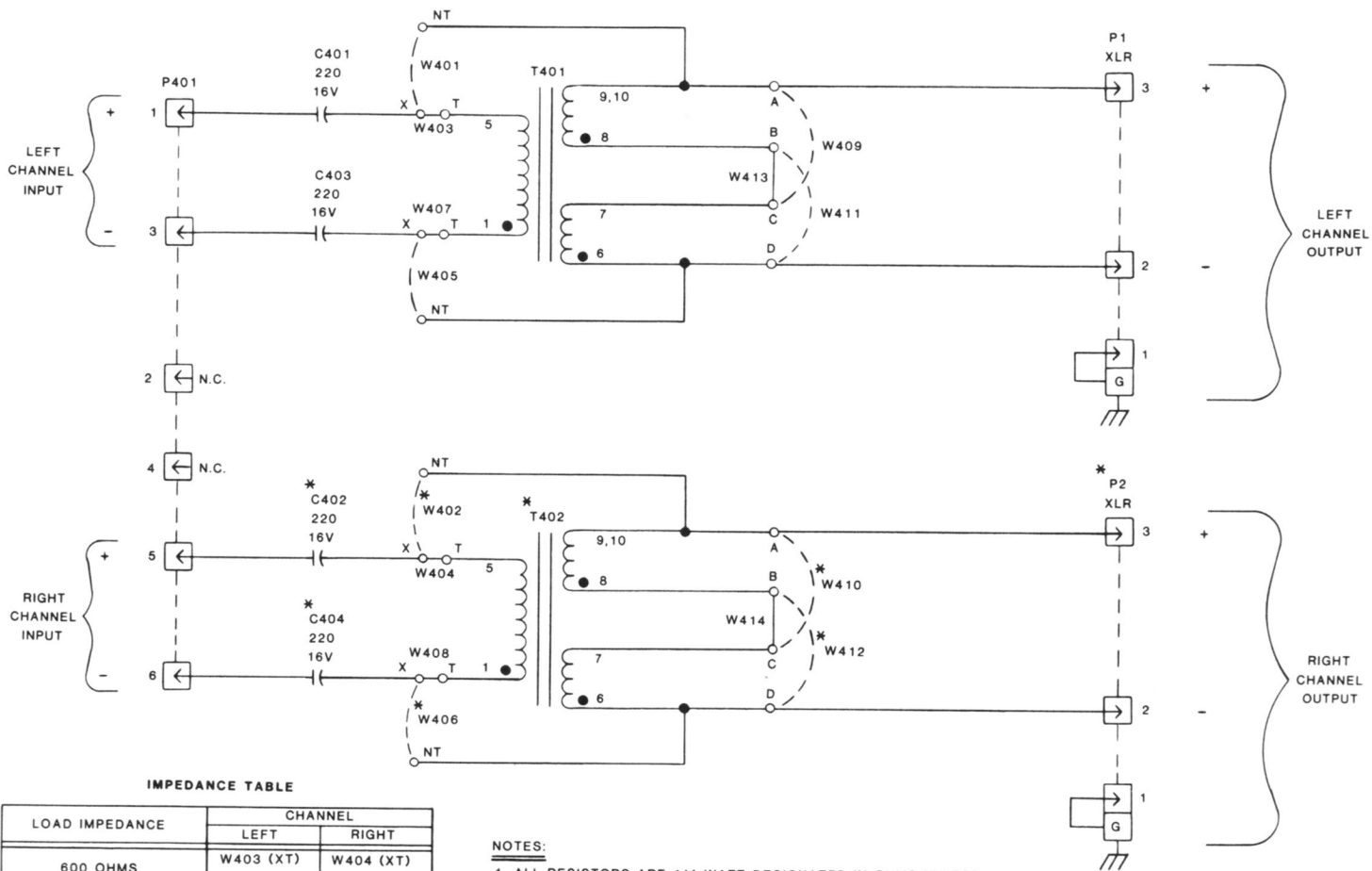
LOAD IMPEDANCE	CHANNEL	
	LEFT	RIGHT
600 OHMS W/ TRANSFORMER (S)	W403 (XT)	W404 (XT)
	W407 (XT)	W408 (XT)
	W413 (BC)	W414 (BC)
150 OHMS W/ TRANSFORMER (S)	W403 (XT)	W404 (XT)
	W407 (XT)	W408 (XT)
	W409 (AC)	W410 (AC)
	W411 (BD)	W412 (BD)
600 OHMS W/O TRANSFORMER (S) (75 OHMS DRIVING POINT IMPEDANCE)	W401 (XNT)	W402 (XNT)
	W405 (XNT)	W406 (XNT)

NOTE: 1. STRAPS W403, W404, W407, W408, W413 AND W414 ARE FOILS AND MUST BE CUT AS REQUIRED.

2. IF FOIL OR WIRE STRAP IS NOT LISTED IN TABLE BLOCK, IT MUST BE REMOVED.

FIGURE 5-9

831-0303
DELTA I—II OUTPUT TRANSFORMER PCB (9/85)
OVERLAY



IMPEDANCE TABLE

LOAD IMPEDANCE	CHANNEL	
	LEFT	RIGHT
600 OHMS W/ TRANSFORMER (S)	W403 (XT)	W404 (XT)
	W407 (XT)	W408 (XT)
	W413 (BC)	W414 (BC)
150 OHMS W/ TRANSFORMER (S)	W403 (XT)	W404 (XT)
	W407 (XT)	W408 (XT)
	W409 (AC)	W410 (AC)
	W411 (BD)	W412 (BD)
600 OHMS W/O TRANSFORMER (S) (75 OHMS DRIVING POINT IMPEDANCE)	W401 (XNT)	W402 (XNT)
	W405 (XNT)	W406 (XNT)

NOTES:

1. ALL RESISTORS ARE 1/4 WATT DESIGNATED IN OHMS UNLESS OTHERWISE MARKED.
2. ALL CAPACITORS ARE DESIGNATED IN MICROFARADS UNLESS OTHERWISE MARKED.
3. COMPONENTS MARKED WITH (*) ARE NOT USED IN MONO MACHINES.
4. WE RESERVE THE RIGHT TO MAKE CHANGES AND IMPROVEMENTS AS TECHNOLOGY PROGRESSES.

NOTE: 1. STRAPS W403, W404, W407, W408, W413 AND W414 ARE FOILS AND MUST BE CUT AS REQUIRED.
2. IF FOIL OR WIRE STRAP IS NOT LISTED IN TABLE BLOCK, IT MUST BE REMOVED.

FIGURE 5-10
831-0303
DELTA I—II OUTPUT TRANSFORMER PCB
SCHEMATIC

DELTA III POWER COMPONENTS PCB 831-0297 PARTS LIST (9/85)

DELTA III POWER COMPONENTS PCB
(Assembly #831-0297-003)

RESISTORS

R701	628-0193-000	WIREWOUND, 22 OHM, 4 W, BWH
R702	630-0323-000	CARBON FILM, 330K OHM, 1/2 W, 5X
R703	630-0311-000	CARBON FILM, 100K OHM, 1/2 W, 5X
R704	630-0043-000	CARBON FILM, 150 OHM, 1/4 W, 5X
R705	630-0087-000	CARBON FILM, 10K OHM, 1/4 W, 5X
R706	628-0479-000	CARBON COMP., 4.7K OHM, 1 W
R707	628-0059-000	WIREWOUND, 27 OHM, 2 W, BWH
R708	628-0193-000	WIREWOUND, 22 OHM, 4 W, BWH
R709	630-0323-000	CARBON FILM, 330K OHM, 1/2 W, 5X
R710	630-0311-000	CARBON FILM, 100K OHM, 1/2 W, 5X
R711	630-0043-000	CARBON FILM, 150 OHM, 1/4 W, 5X
R712	630-0087-000	CARBON FILM, 10K OHM, 1/4 W, 5X
R713	628-0479-000	CARBON COMP., 4.7K OHM, 1 W
R714	628-0059-000	WIREWOUND, 27 OHM, 2 W, BWH
R715	628-0193-000	WIREWOUND, 22 OHM, 4 W, BWH
R716	630-0323-000	CARBON FILM, 330K OHM, 1/2 W, 5X
R717	630-0311-000	CARBON FILM, 100K OHM, 1/2 W, 5X
R718	630-0043-000	CARBON FILM, 150 OHM, 1/4 W, 5X
R719	630-0087-000	CARBON FILM, 10K OHM, 1/4 W, 5X
R720	628-0479-000	CARBON COMP., 4.7K OHM, 1 W
R721	628-0059-000	WIREWOUND, 27 OHM, 2 W, BWH
R722	630-0047-000	CARBON FILM, 220 OHM, 1/4 W, 5X
R723	636-0001-000	POTENTIOMETER, 1K OHM, 1/2 W, PC FLAT

DIODES

CR701	575-0007-000	1N4005
CR702	575-0007-000	1N4005
CR703	575-0007-000	1N4005
CR704	575-0007-000	1N4005
CR705	575-0033-000	POWER, 3A 600V, MR 506
CR706	575-0033-000	POWER, 3A 600V, MR 506
CR707	575-0007-000	1N4005
CR708	575-0007-000	1N4005
CR709	577-0011-000	ZENER, 1N5231B
CR710	575-0007-000	1N4005
CR711	575-0007-000	1N4005
CR712	577-0011-000	ZENER, 1N5231B
CR713	575-0007-000	1N4005
CR714	575-0007-000	1N4005
CR715	575-0007-000	ZENER, 1N5231B
CR716	575-0007-000	1N4005
CR717	575-0007-000	1N4005
CR718	575-0007-000	1N4005
CR719	575-0007-000	1N4005

TRANSISTORS

U701	585-0010-000	OPTO-ISOLATER, H11A2
U702	585-0010-000	OPTO-ISOLATER, H11A2
U703	585-0010-000	OPTO-ISOLATER, H11A2
Q701	590-0017-010	2N5816
Q702	590-0017-010	2N5816
Q703	590-0033-000	TIP50, NPN, POWER
Q704	590-0033-000	TIP50, NPN, POWER
Q705	590-0017-010	2N5816
Q706	590-0017-010	2N5816
Q707	590-0033-000	TIP50, NPN, POWER
Q708	590-0033-000	TIP50, NPN, POWER
Q709	590-0017-010	2N5816
Q710	590-0017-010	2N5816
Q711	590-0033-000	TIP50, NPN, POWER
Q712	590-0033-000	TIP50, NPN, POWER

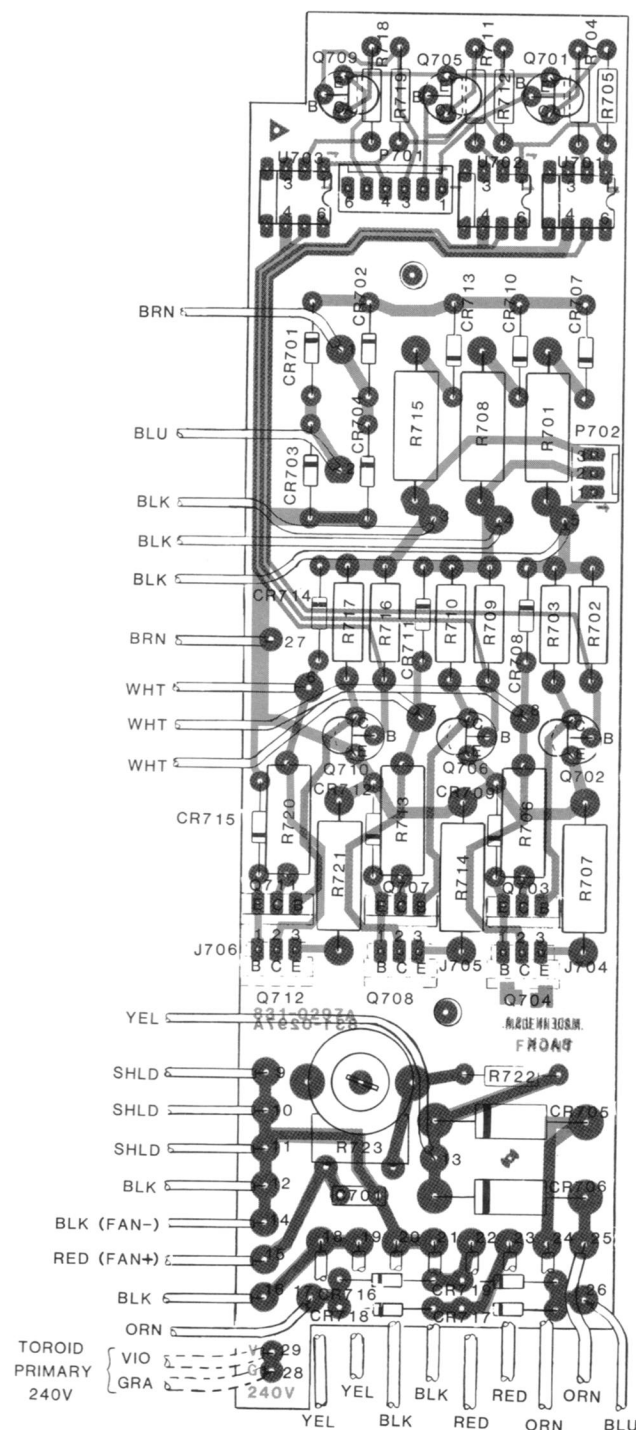
CONNECTORS

J704	380-0062-000	SOCKET, 3 PIN, 10-18-2031
J705	380-0062-000	SOCKET, 3 PIN, 10-18-2031
J706	380-0062-000	SOCKET, 3 PIN, 10-18-2031

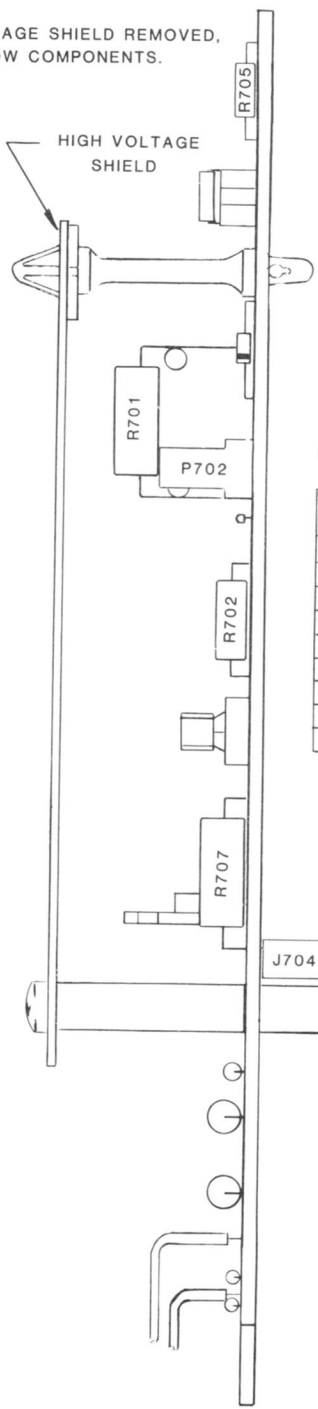
P701	376-0058-000	WAFER, 6 POS., LOCKING, 22-23-2061
P702	376-0065-000	WAFER, 3 POS., LOCKING, HLSS100-3

MISCELLANEOUS

C701	680-2563-033	CAPACITOR, POLYESTER FILM, .10 ufd, 63V, 5X
U701-3	3	SOCKET, IC, 8 PIN, DIP
	6	PAD, TRANSISTOR
	1	INSULATOR, TO220
	1	SCREW, 6-32 X 1 3/8 PHIL., PAN HD., ZP
	1	SCREW, NYLON, 6-32 X 1/4
	1	SPACER, NYLON, 1", SELF-LOCKING
	1	SPACER, NYLON, #6 X 1/4 X 1



HIGH VOLTAGE SHIELD REMOVED, TO SHOW COMPONENTS.



BOARD LOADED FOR 120V OPERATION
FOR 240V OPERATION SEE TABLE BELOW:

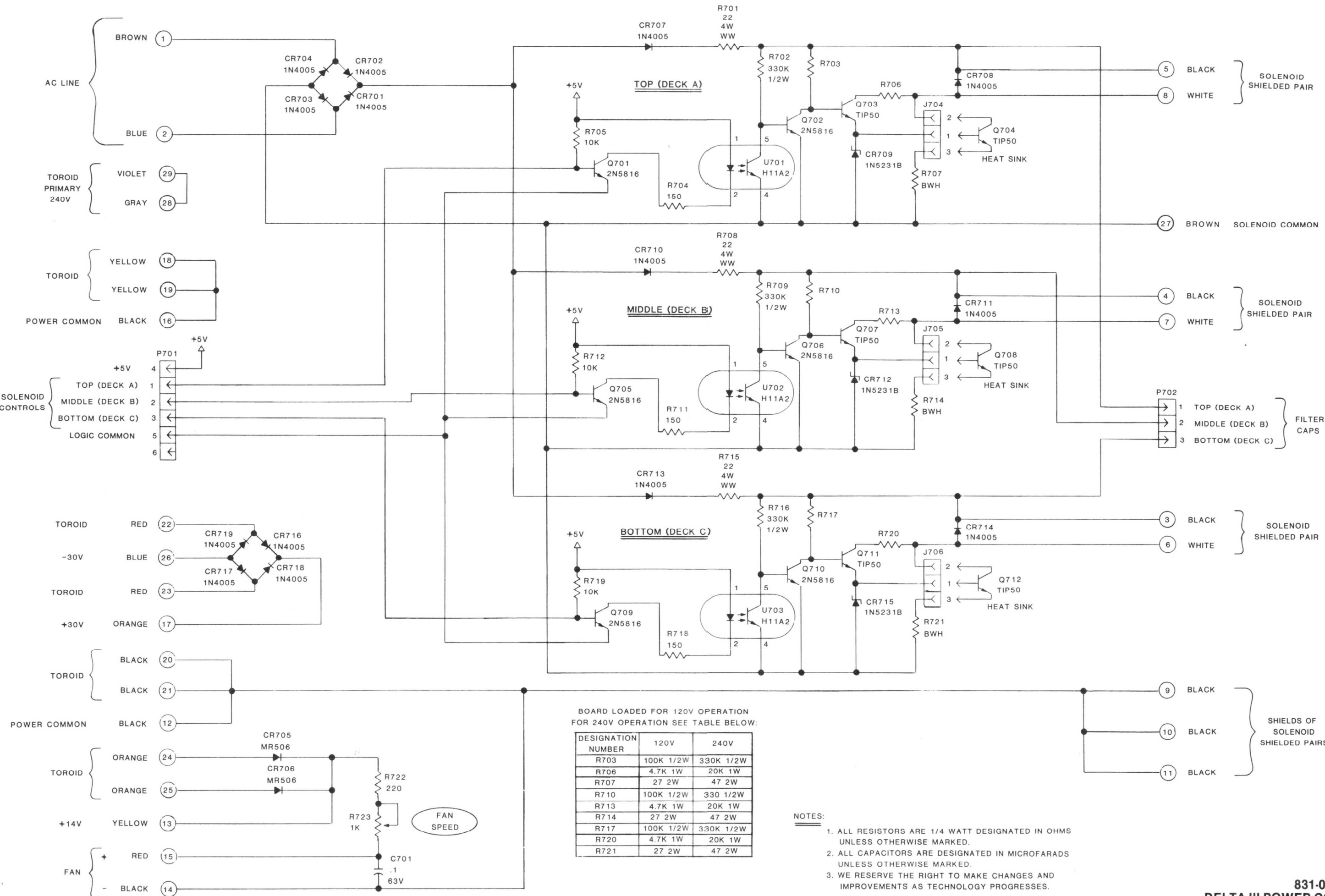
DESIGNATION NUMBER	120V	240V
R703	100K 1/2W	330K 1/2W
R706	4.7K 1W	20K 1W
R707	27 2W	47 2W
R710	100K 1/2W	330K 1/2W
R713	4.7K 1W	20K 1W
R714	27 2W	47 2W
R717	100K 1/2W	330K 1/2W
R720	4.7K 1W	20K 1W
R721	27 2W	47 2W

MIDDLE P.C. CARD GUIDE
272-0036-003

DELTA III POWER COMPONENTS BOARD
831-0297-003 DOMESTIC 120V
831-0297-013 EXPORT 240V

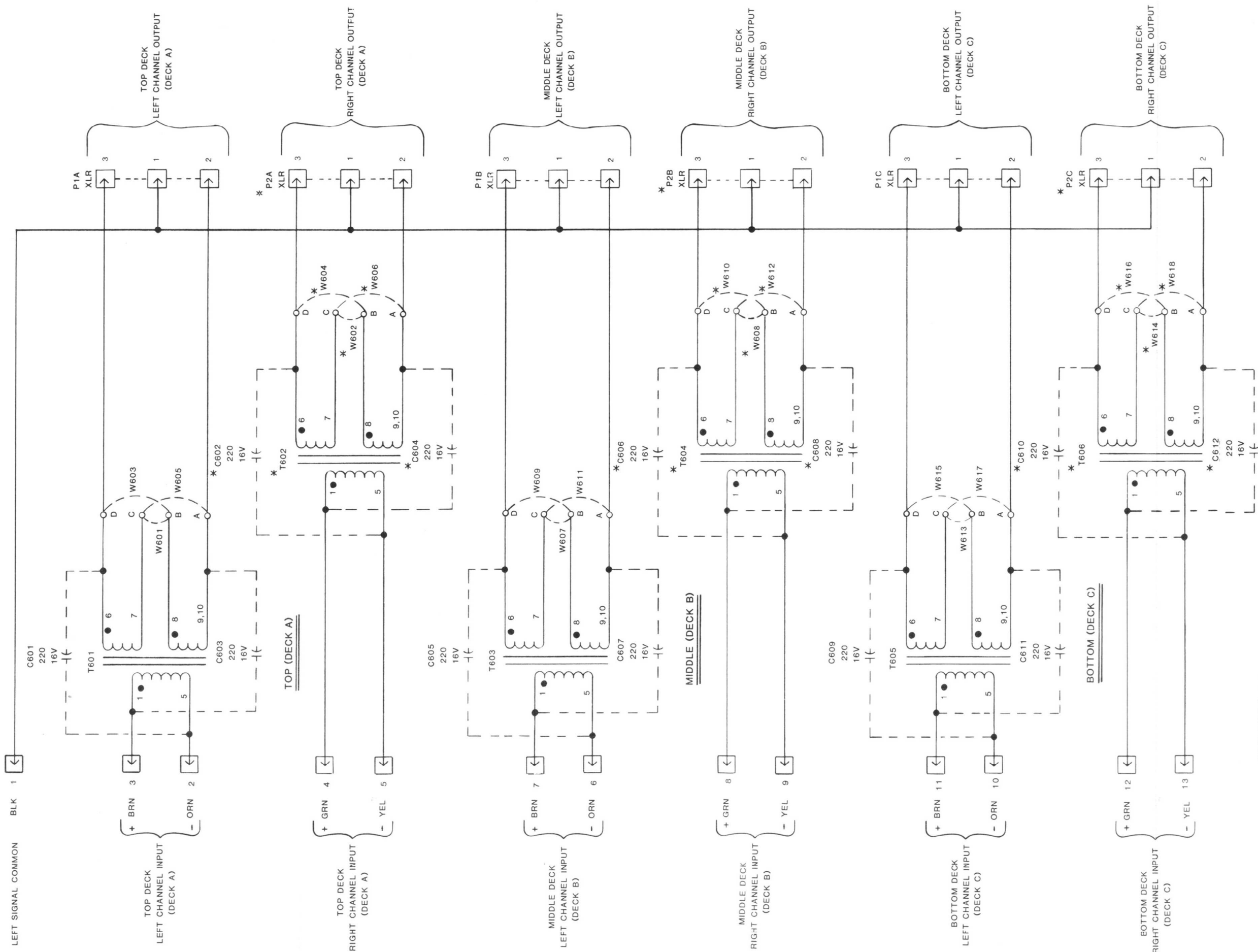
FIGURE 5-11

831-0297
DELTA III POWER COMPONENTS PCB
OVERLAY



- NOTES:
1. ALL RESISTORS ARE 1/4 WATT DESIGNATED IN OHMS UNLESS OTHERWISE MARKED.
 2. ALL CAPACITORS ARE DESIGNATED IN MICROFARADS UNLESS OTHERWISE MARKED.
 3. WE RESERVE THE RIGHT TO MAKE CHANGES AND IMPROVEMENTS AS TECHNOLOGY PROGRESSES.

FIGURE 5-12
831-0297
DELTA III POWER COMPONENTS PCB
SCHEMATIC



- NOTES:
1. ALL RESISTORS ARE 1/4 WATT DESIGNATED IN OHMS UNLESS OTHERWISE MARKED
 2. ALL CAPACITORS ARE DESIGNATED IN MICROFARADS UNLESS OTHERWISE MARKED
 3. COMPONENTS MARKED (*) ARE NOT USED IN MONO MACHINES
 4. WE RESERVE THE RIGHT TO MAKE CHANGES AND IMPROVEMENTS AS TECHNOLOGY PROGRESSES

IMPEDANCE TABLE

IMPEDANCE	CHANNEL	
	LEFT	RIGHT
600 OHMS LOAD IMPEDANCE	WITH TRANSFORMER (S)	
	STRAP (S)	
	W601 (BC)	W602 (BC)
	W607 (BC)	W608 (BC)
150 OHMS LOAD IMPEDANCE	WITH TRANSFORMER (S)	
	STRAP (S)	
	W613 (BC)	W614 (BC)
	W615 (BD)	W616 (BD)
600 OHMS LOAD IMPEDANCE (75 OHMS DRIVING POINT IMPEDANCE)	TRANSFORMERLESS	
	CAPACITORS	
	C601	C602
	C603	C604
	C605	C606
	C607	C608
	C609	C610
	C611	C612

831-0254
DELTA III OUTPUT TRANSFORMER PCB SCHEMATIC

DELTA III OUTPUT TRANSFORMER PCB 831-0254 PARTS LIST

DELTA III AUDIO OUTPUT PCB
(Assembly #831-0254-013)

TRANSFORMERS

T601	532-0011-000	AUDIO OUTPUT	AM-9724
T602	532-0011-000	AUDIO OUTPUT	AM-9724
T603	532-0011-000	AUDIO OUTPUT	AM-9724
T604	532-0011-000	AUDIO OUTPUT	AM-9724
T605	532-0011-000	AUDIO OUTPUT	AM-9724
T606	532-0011-000	AUDIO OUTPUT	AM-9724

CONNECTORS

P1A	378-0057-000	CONNECTOR, XLR 3 PIN (MALE)	#NC 3MD-V
P2A	378-0057-000	CONNECTOR, XLR 3 PIN (MALE)	#NC 3MD-V
P1B	378-0057-000	CONNECTOR, XLR 3 PIN (MALE)	#NC 3MD-V
P2B	378-0057-000	CONNECTOR, XLR 3 PIN (MALE)	#NC 3MD-V
P1C	378-0057-000	CONNECTOR, XLR 3 PIN (MALE)	#NC 3MD-V
P2C	378-0057-000	CONNECTOR, XLR 3 PIN (MALE)	#NC 3MD-V

STRAPPING

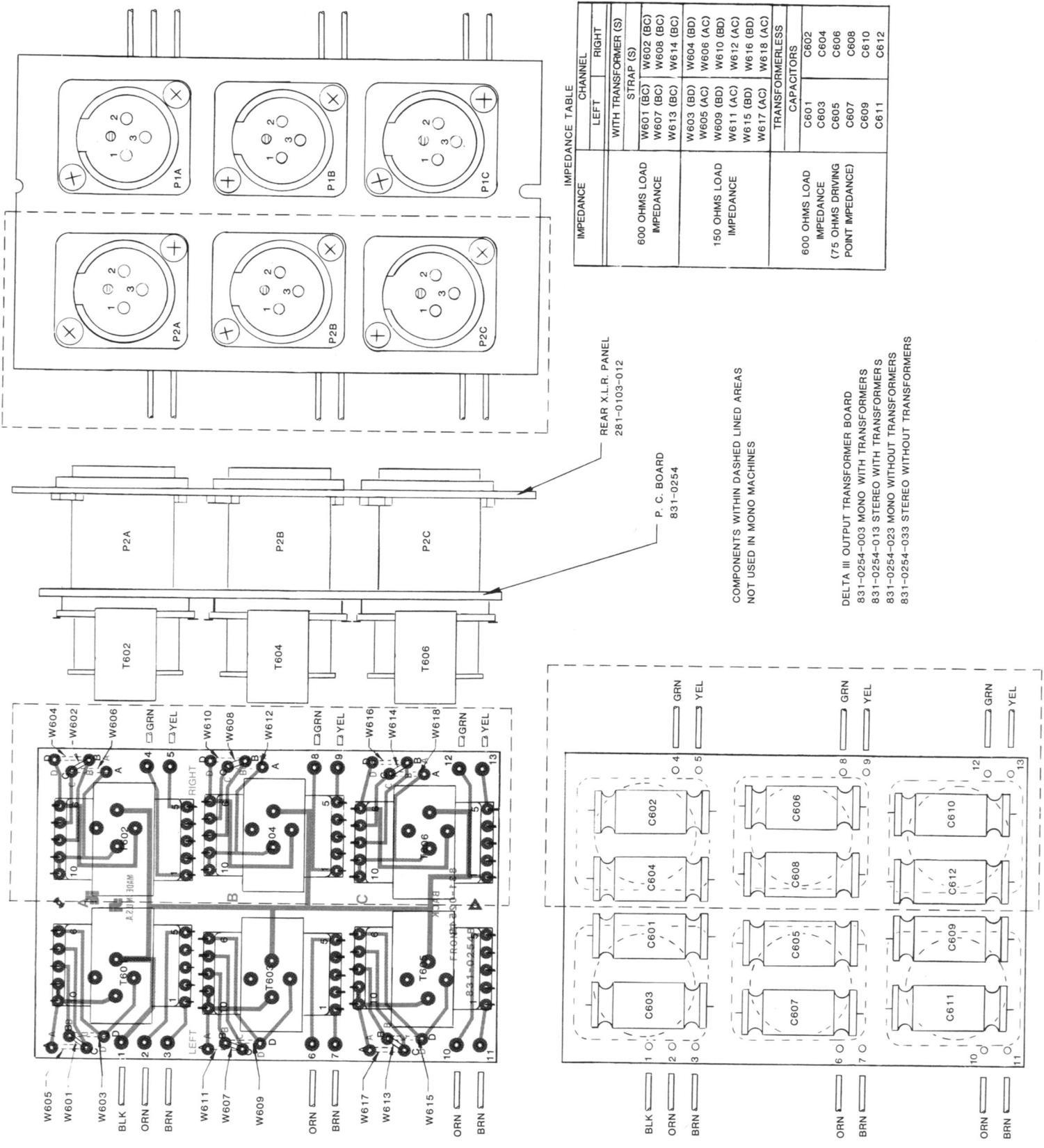
W601	427-0003-000	BUS WIRE, SOLID, #24 AWG
W602	427-0003-000	BUS WIRE, SOLID, #24 AWG
W603	427-0003-000	BUS WIRE, SOLID, #24 AWG
W604	427-0003-000	BUS WIRE, SOLID, #24 AWG
W605	427-0003-000	BUS WIRE, SOLID, #24 AWG
W606	427-0003-000	BUS WIRE, SOLID, #24 AWG
W607	427-0003-000	BUS WIRE, SOLID, #24 AWG
W608	427-0003-000	BUS WIRE, SOLID, #24 AWG
W609	427-0003-000	BUS WIRE, SOLID, #24 AWG
W610	427-0003-000	BUS WIRE, SOLID, #24 AWG
W611	427-0003-000	BUS WIRE, SOLID, #24 AWG
W612	427-0003-000	BUS WIRE, SOLID, #24 AWG
W613	427-0003-000	BUS WIRE, SOLID, #24 AWG
W614	427-0003-000	BUS WIRE, SOLID, #24 AWG
W615	427-0003-000	BUS WIRE, SOLID, #24 AWG
W616	427-0003-000	BUS WIRE, SOLID, #24 AWG
W617	427-0003-000	BUS WIRE, SOLID, #24 AWG
W618	427-0003-000	BUS WIRE, SOLID, #24 AWG

CAPACITORS (TRANSFORMERLESS)

C601	697-0001-000	ELECTROLYTIC, NON-POLAR, 220 ufd, 16V
C602	697-0001-000	ELECTROLYTIC, NON-POLAR, 220 ufd, 16V
C603	697-0001-000	ELECTROLYTIC, NON-POLAR, 220 ufd, 16V
C604	697-0001-000	ELECTROLYTIC, NON-POLAR, 220 ufd, 16V
C605	697-0001-000	ELECTROLYTIC, NON-POLAR, 220 ufd, 16V
C606	697-0001-000	ELECTROLYTIC, NON-POLAR, 220 ufd, 16V
C607	697-0001-000	ELECTROLYTIC, NON-POLAR, 220 ufd, 16V
C608	697-0001-000	ELECTROLYTIC, NON-POLAR, 220 ufd, 16V
C609	697-0001-000	ELECTROLYTIC, NON-POLAR, 220 ufd, 16V
C610	697-0001-000	ELECTROLYTIC, NON-POLAR, 220 ufd, 16V
C611	697-0001-000	ELECTROLYTIC, NON-POLAR, 220 ufd, 16V
C612	697-0001-000	ELECTROLYTIC, NON-POLAR, 220 ufd, 16V

MISCELLANEOUS

	325-0254-003	PCB, AUDIO OUTPUT TRANSFORMER	DI11
13	382-0019-000	PIN, MALE, PCB, #R62-3	



IMPEDANCE TABLE

IMPEDANCE	CHANNEL	
	LEFT	RIGHT
600 OHMS LOAD IMPEDANCE	WITH TRANSFORMER (S)	
	STRAP (S)	
	W601 (BC)	W602 (BC)
	W607 (BC)	W608 (BC)
150 OHMS LOAD IMPEDANCE	TRANSFORMERLESS	
	CAPACITORS	
	C601	C602
	C603	C604
600 OHMS LOAD IMPEDANCE (75 OHMS DRIVING POINT IMPEDANCE)	TRANSFORMERLESS	
	CAPACITORS	
	C605	C606
	C607	C608
	C609	C610
	C611	C612

REAR X.L.R. PANEL
281-0103-012

P. C. BOARD
831-0254

COMPONENTS WITHIN DASHED LINED AREAS
NOT USED IN MONO MACHINES

DELTA III OUTPUT TRANSFORMER BOARD
831-0254-003 MONO WITH TRANSFORMERS
831-0254-013 STEREO WITH TRANSFORMERS
831-0254-023 MONO WITHOUT TRANSFORMERS
831-0254-033 STEREO WITHOUT TRANSFORMERS

FIGURE 5-13

831-0254
DELTA III OUTPUT TRANSFORMER PCB
OVERLAY

**DELTA III REGULATOR PCB 831-0283
PARTS LIST
(9 / 8 5)**

DELTA III REGULATOR PCB
(Assembly #831-0283-003)

DIODES

CR901	575-0007-000	1N4005
CR902	575-0007-000	1N4005
CR903	575-0007-000	1N4005

CAPACITORS

C901	686-0009-000	CERAMIC DISC, .1 ufd, 25V
C902	686-0009-000	CERAMIC DISC, .1 ufd, 25V
C903	680-3163-033	POLYESTER FILM, .33 ufd, 63V, 5%
C904	686-0009-000	CERAMIC DISC, .1 ufd, 25V
C905	680-3163-033	POLYESTER FILM, .33 ufd, 63V, 5%
C906	686-0009-000	CERAMIC DISC, .1 ufd, 25V

VOLTAGE REGULATORS @ MOUNTING HARDWARE

VR901	605-0020-000	VOLTAGE REGULATOR, MC78T05CT, +5V, T0220
VR902	605-0010-000	VOLTAGE REGULATOR, MC7815CT, +15V, T0220
VR903	605-0011-000	VOLTAGE REGULATOR, MC7915CT, -15V, T0220
	3 613-0014-000	INSULATOR, T0-220
	3 352-0004-000	SCREW, 6-32 X 1/4, NYLON, SLOTTED, R. HD.

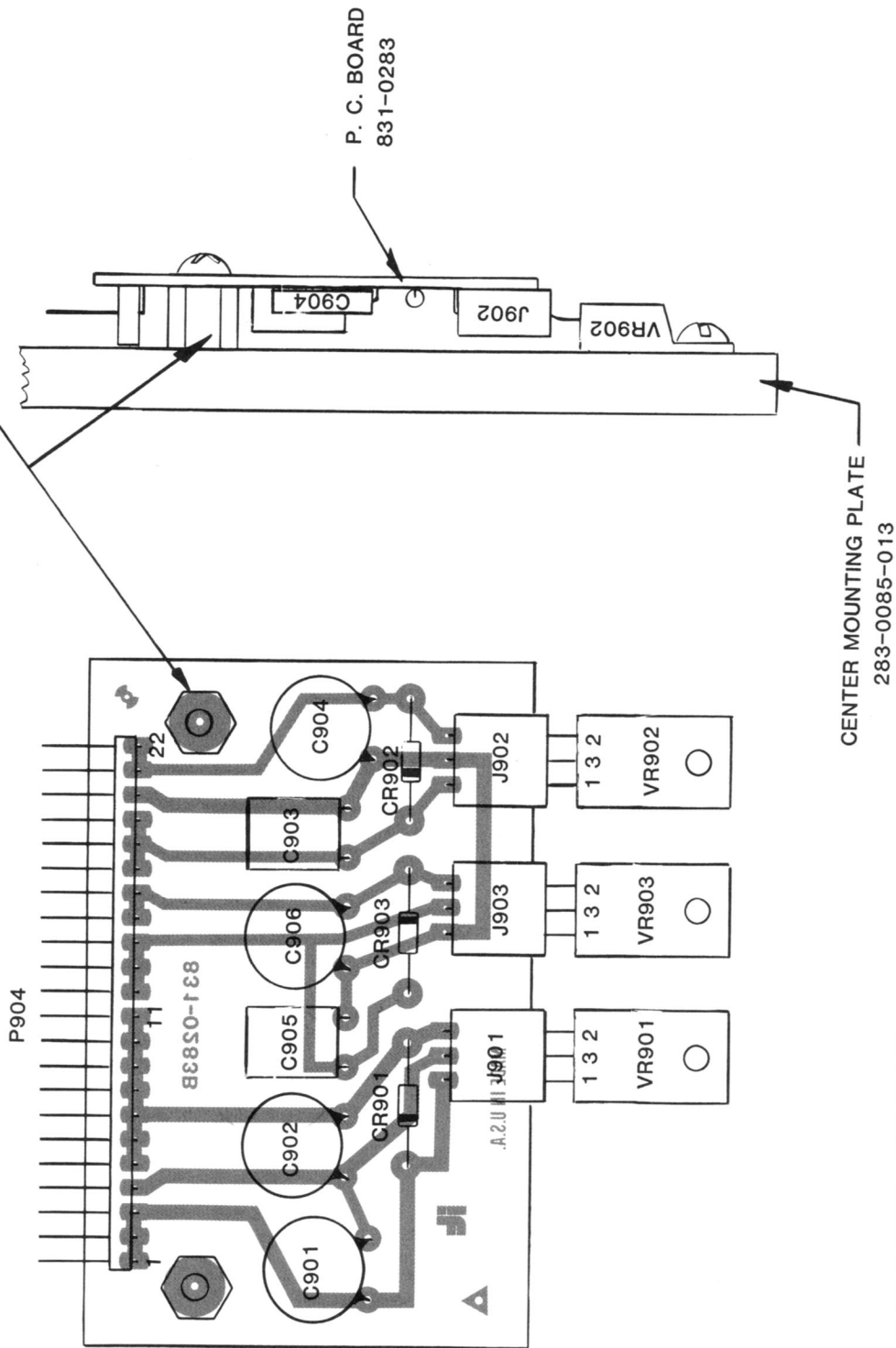
CONNECTORS

P904	376-0069-000	WAFER, 22 POS., HFAS100-22
J901	380-0062-000	SOCKET, 3 PIN, 10-18-2031
J902	380-0062-000	SOCKET, 3 PIN, 10-18-2031
J903	380-0062-000	SOCKET, 3 PIN, 10-18-2031

MISCELLANEOUS

	2 300-0099-000	SPACER, 6-32 X 1/4 X 1/4 LONG, HEX, MALE/FEMALE
	2 350-0604-000	SCREW, 6-32 X 1/4, PHIL., PAN HD.,

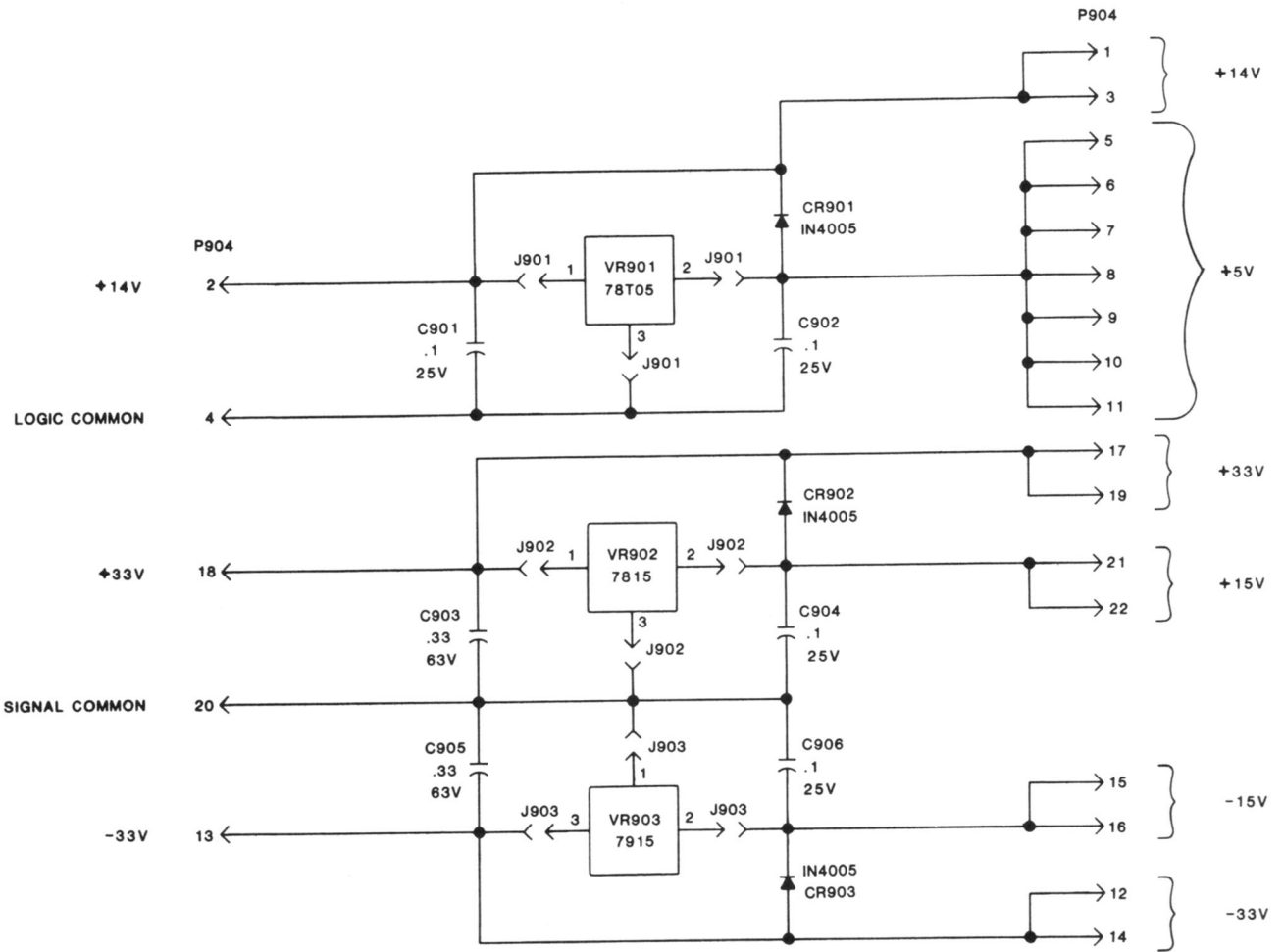
SPACER, 6-32 X 1/4 X 1/4 LONG, HEX, MALE/FEMALE
300-0099-000



DELTA III REGULATOR BOARD
831-0283-003

FIGURE 5-15

831-0283
DELTA III REGULATOR PCB
OVERLAY



NOTES:

1. ALL CAPACITORS ARE DESIGNATED IN MICROFARADS UNLESS OTHERWISE MARKED.
2. WE RESERVE THE RIGHT TO MAKE CHANGES AND IMPROVEMENTS AS TECHNOLOGY PROGRESSES.

FIGURE 5-16
831-0283
DELTA III REGULATOR PCB
SCHEMATIC

DELTA III INTERCONNECT PCB 831-0291 PARTS LIST

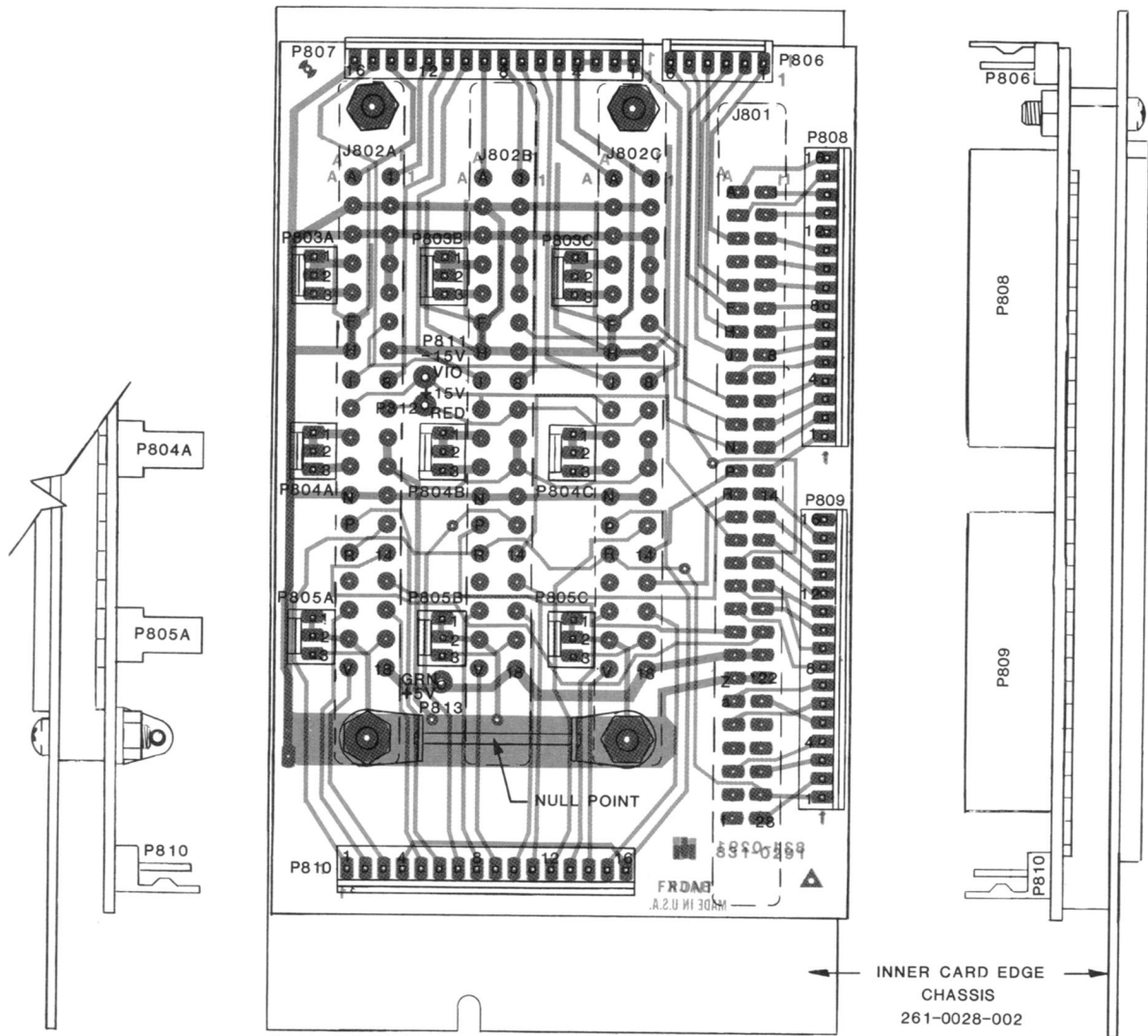
DELTA III INTERCONNECT PCB
(Assembly #831-0291-003)

CONNECTORS

J801	380-0144-000	CONNECTOR, PC CARD EDGE, DUAL 28, 0.125
J802A	380-0143-000	CONNECTOR, PC CARD EDGE, DUAL 18, 0.156
J802B	380-0143-000	CONNECTOR, PC CARD EDGE, DUAL 18, 0.156
J802C	380-0143-000	CONNECTOR, PC CARD EDGE, DUAL 18, 0.156
P803A-B-C 3	376-0033-000	WAFER, 3 POS., LOCKING, GOLD, #22-29-2031
P804A-B-C 3	376-0033-000	WAFER, 3 POS., LOCKING, GOLD, #22-29-2031
P805A-B-C 3	376-0033-000	WAFER, 3 POS., LOCKING, GOLD, #22-29-2031
P806	376-0058-000	WAFER, 6 POS., LOCKING, #22-23-2061
P807	376-0057-000	WAFER, 16 POS., LOCKING, #22-23-2161
P808	376-0057-000	WAFER, 16 POS., LOCKING, #22-23-2161
P809	376-0057-000	WAFER, 16 POS., LOCKING, #22-23-2161
P810	376-0057-000	WAFER, 16 POS., LOCKING, #22-23-2161
P811-13 3	382-0019-000	PIN, MALE, PCB, #R62-3

MISCELLANEOUS

	325-0291-003	PCB, INTERCONNECT DIII
4	350-0417-000	SCREW, 4-40 X 5/8, PHIL, PAN, ZP
4	370-0403-000	NUT, 4-40 X 1/4, KEPS HEX, STEEL, NP
2	375-0003-000	TERMINAL, #4, BENT, LOCKING

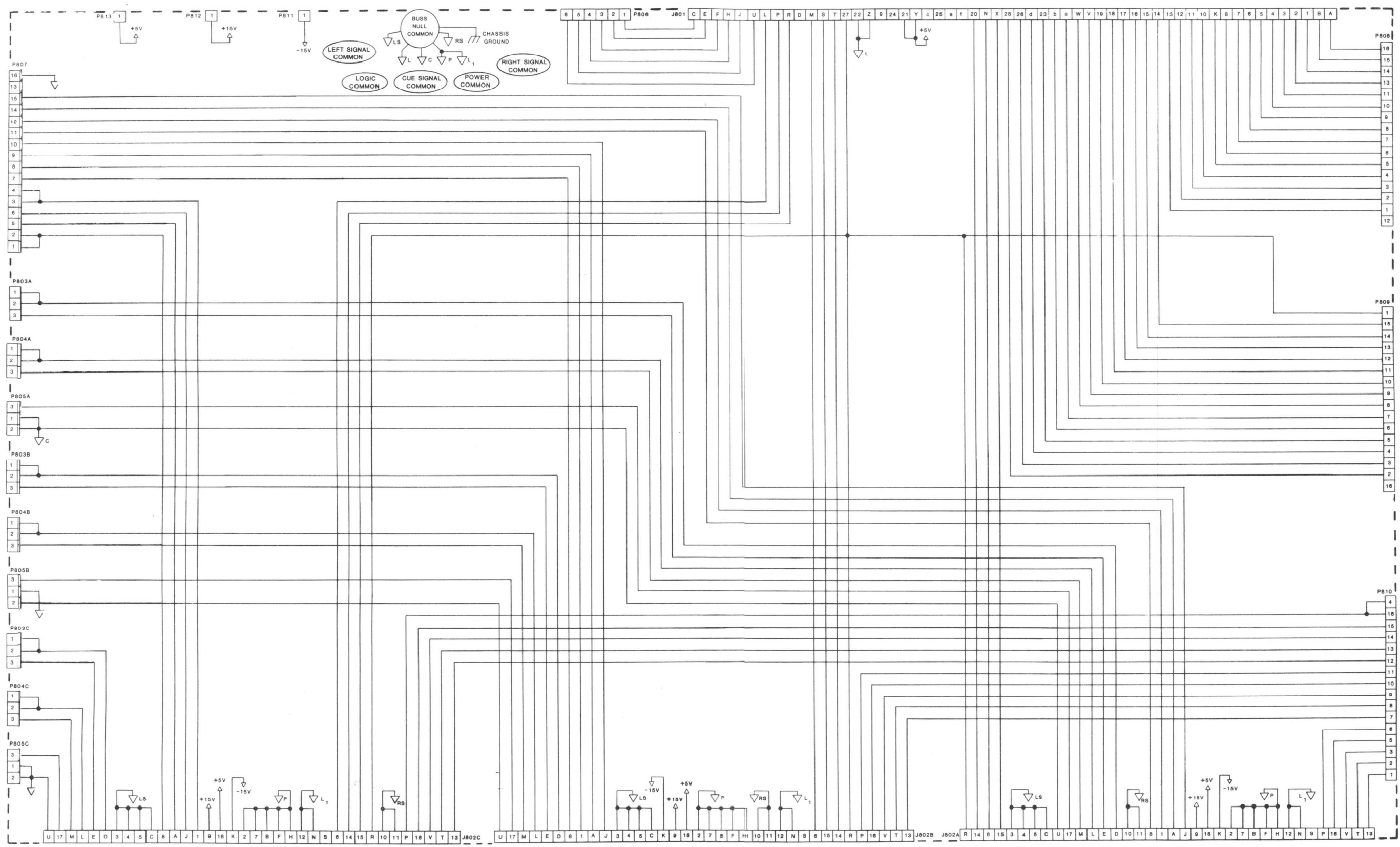


DELTA III INTERCONNECT BOARD
831-0291-003

FIGURE 5-17

831-0291
DELTA III INTERCONNECT PCB
OVERLAY

PLAY BACK LOGIC CARD
831-0289



PLAY AMP & CUE DETECTOR CARD
BOTTOM (DECK C)
831-0294

PLAY AMP & CUE DETECTOR CARD
MIDDLE (DECK B)
831-0294

PLAY AMP & CUE DETECTOR CARD
TOP (DECK A)
831-0294

FIGURE 5-18
831-0291
DELTA III INTERCONNECT PCB
SCHEMATIC

DELTA III REMOTE CONNECTOR PCB 831-0311 PARTS LIST

DIII REMOTE CONNECTOR BOARD
(Assembly #831-0311-003)

CAPACITORS

C1601	686-0009-000	CERAMIC DISC, .1 ufd, 25V
-------	--------------	---------------------------

RESISTORS

R1601	630-0047-000	CARBON FILM, 220 OHM, 1/4 W, 5%
R1602	630-0047-000	CARBON FILM, 220 OHM, 1/4 W, 5%
R1603	630-0047-000	CARBON FILM, 220 OHM, 1/4 W, 5%
R1604	630-0047-000	CARBON FILM, 220 OHM, 1/4 W, 5%
R1605	630-0047-000	CARBON FILM, 220 OHM, 1/4 W, 5%
R1606	630-0047-000	CARBON FILM, 220 OHM, 1/4 W, 5%

INTEGRATED CIRCUITS

U1601	607-0009-000	75451, DUAL PERIPHERAL AND DRIVER
U1602	607-0009-000	75451, DUAL PERIPHERAL AND DRIVER
U1603	607-0009-000	75451, DUAL PERIPHERAL AND DRIVER

CONNECTORS & SOCKETS

U1601	613-0007-000	SOCKET, IC, 8 PIN, DIP
U1602	613-0007-000	SOCKET, IC, 8 PIN, DIP
U1603	613-0007-000	SOCKET, IC, 8 PIN, DIP
J1A	380-0172-000	SOCKET, 15-PIN D-SUBMINIATURE HDP-20 (AMP #745057-3)
J1B	380-0172-000	SOCKET, 15-PIN D-SUBMINIATURE HDP-20 (AMP #745057-3)
J1C	380-0172-000	SOCKET, 15-PIN D-SUBMINIATURE HDP-20 (AMP #745057-3)
P1601	376-0059-000	WAFER, NON-LOCKING, 16 POS., RIGHT ANGLE (22-23-2161)
P1602	376-0059-000	WAFER, NON-LOCKING, 16 POS., RIGHT ANGLE (22-23-2161)
P1603	376-0059-000	WAFER, NON-LOCKING, 16 POS., RIGHT ANGLE (22-23-2161)
P1604	376-0065-000	WAFER, LOCKING, 3 POS. (HLSS100-3)

MISCELLANEOUS

325-0311-003	PCB, REMOTE CONNECTOR, DIII
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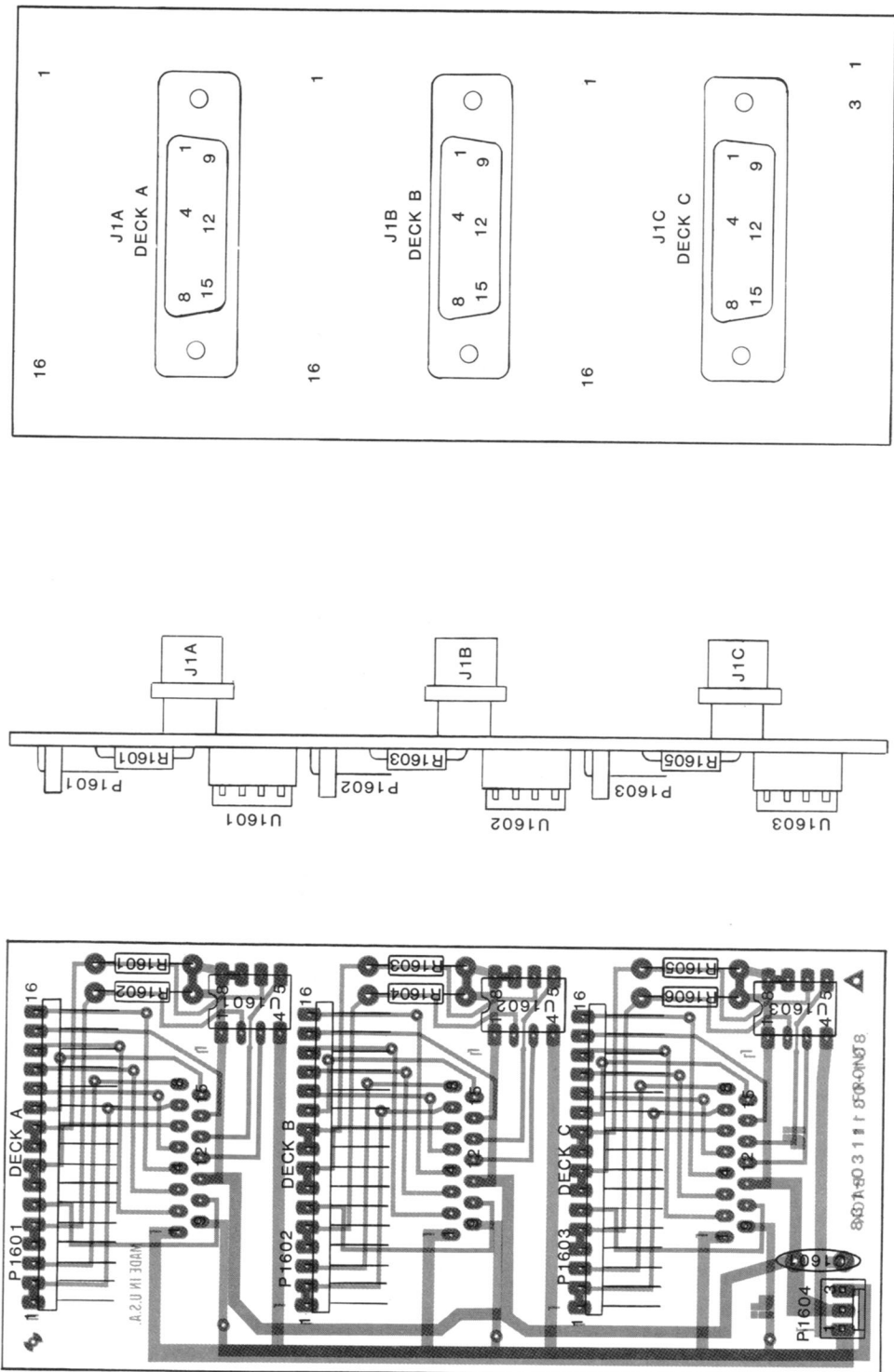
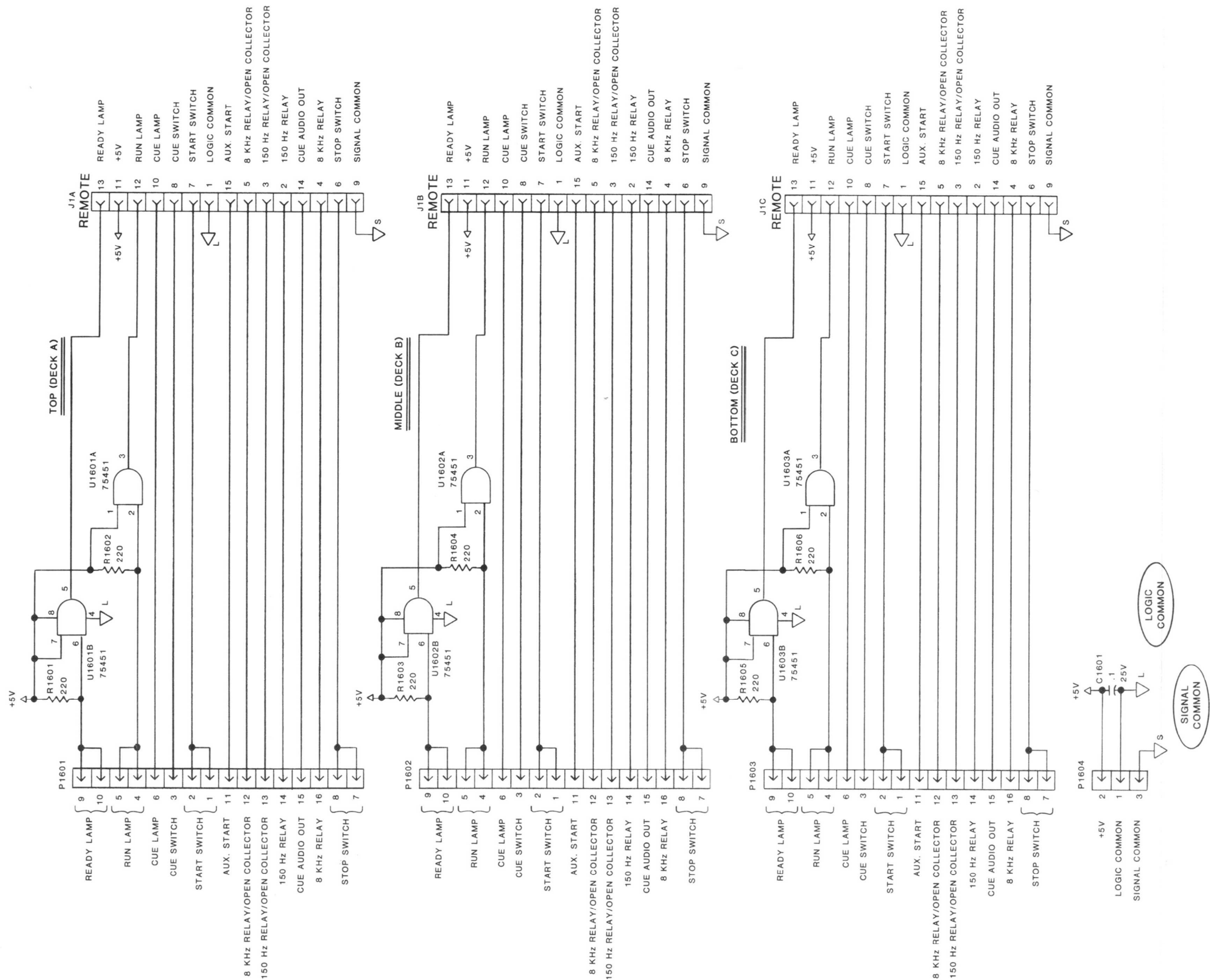


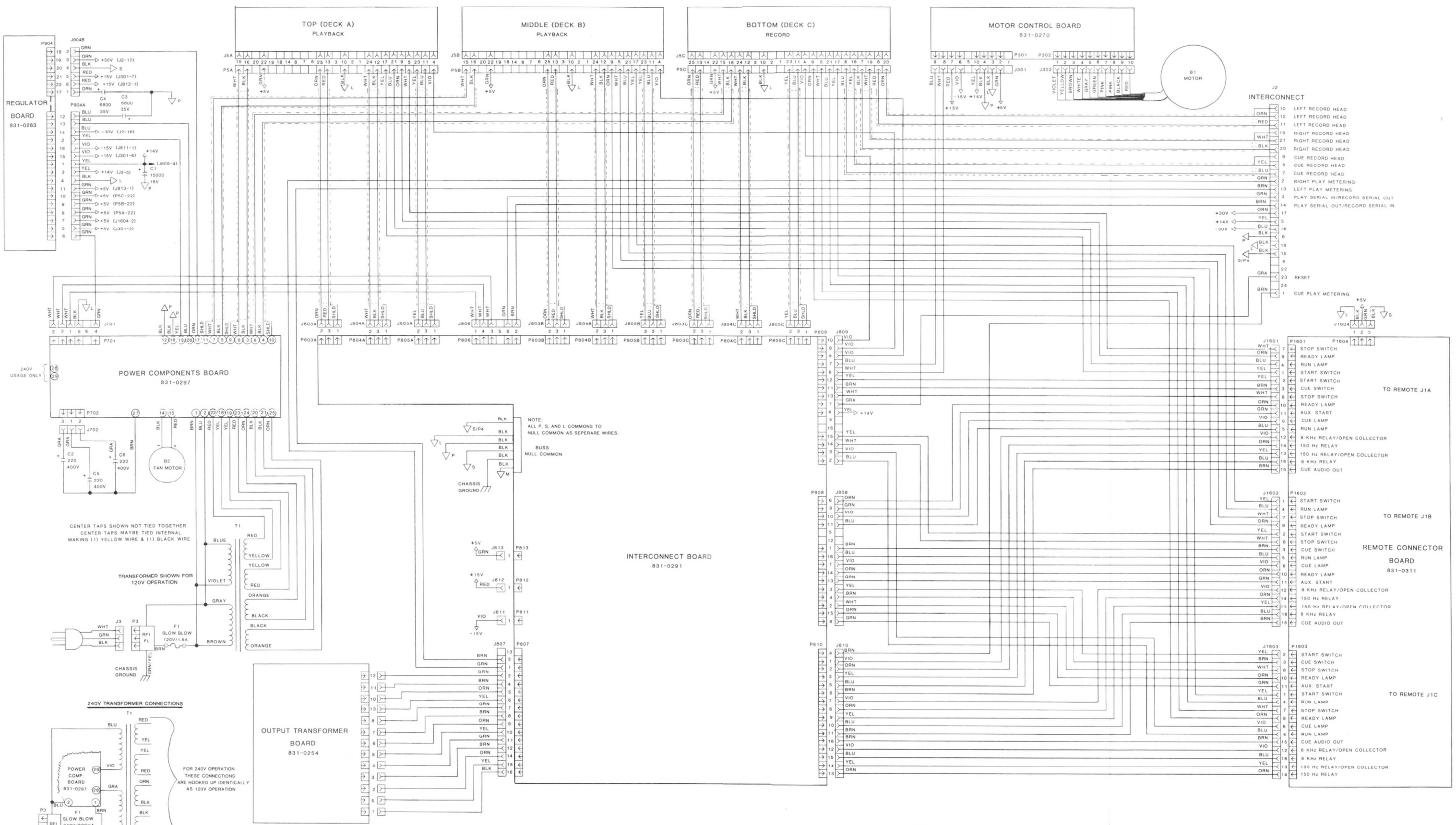
FIGURE 5-19

831-0311
 DELTA III REMOTE CONNECTOR PCB
 OVERLAY



- NOTES:**
1. ALL RESISTORS ARE 1/4 WATT AND DESIGNATED IN OHMS UNLESS OTHERWISE MARKED.
 2. ALL CAPACITORS ARE DESIGNATED IN MICROFARADS UNLESS OTHERWISE MARKED.
 3. WE RESERVE THE RIGHT TO MAKE CHANGES AND IMPROVEMENTS AS TECHNOLOGY PROGRESSES.

FIGURE 5-20
831-0311
DELTA III REMOTE CONNECTOR PCB
SCHEMATIC

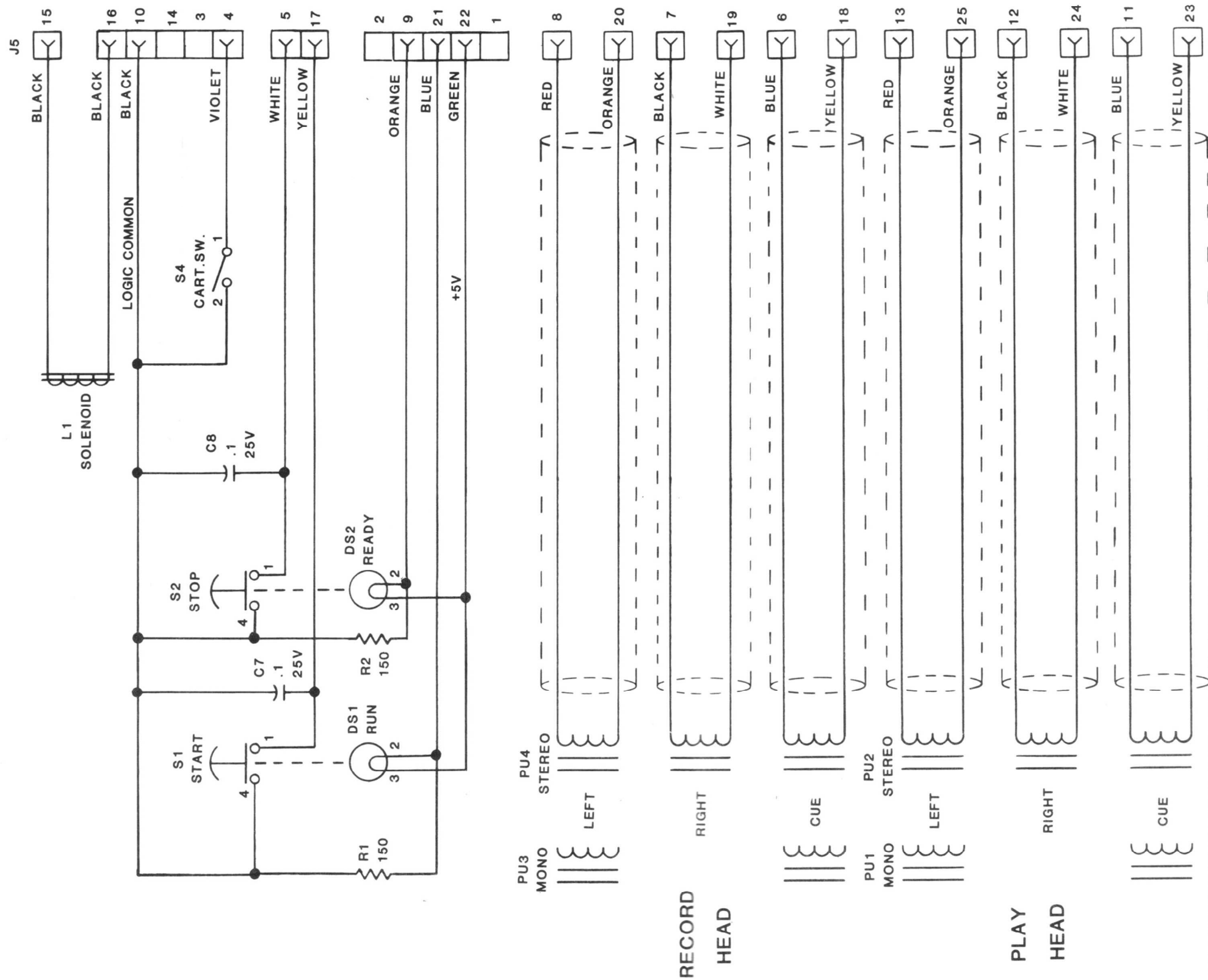


NOTE:
ALL P, S, AND L COMMONS TO
NULL COMMON AS SEPERARE WIRES.

BUSS
NULL COMMON

- NOTES:
1. ALL RESISTORS ARE 1/4 WATT DESIGNATED IN OHMS UNLESS OTHERWISE MARKED.
 2. ALL CAPACITORS ARE DESIGNATED IN MICROFARADS UNLESS OTHERWISE MARKED.
 3. WE RESERVE THE RIGHT TO MAKE CHANGES AND IMPROVEMENTS AS TECHNOLOGY PROGRESSES.

FIGURE 5-21
DELTA III MAINFRAME
WIRING SCHEMATIC
5-45



- NOTES:
1. ALL RESISTORS ARE 1/4 WATT DESIGNATED IN OHMS UNLESS OTHERWISE MARKED.
 2. ALL CAPACITORS ARE DESIGNATED IN MICROFARADS UNLESS OTHERWISE MARKED.
 3. THE RECORD HEAD PU3 OR PU4 IS ON THE BOTTOM DECK AND USED ONLY IN DELTA III RECORD VERSION MACHINES.
 4. S3 INSTALLED ONLY ON DELTA I & DELTA II MACHINES. CUE PROVISION ON DELTA III ONLY AVAILABLE AT THE REMOTE CONTROL CONNECTOR J1.
 5. WE RESERVE THE RIGHT TO MAKE CHANGES AND IMPROVEMENTS AS TECHNOLOGY PROGRESSES.

FIGURE 5-22
DELTA III DECK
WIRING SCHEMATIC
5-47

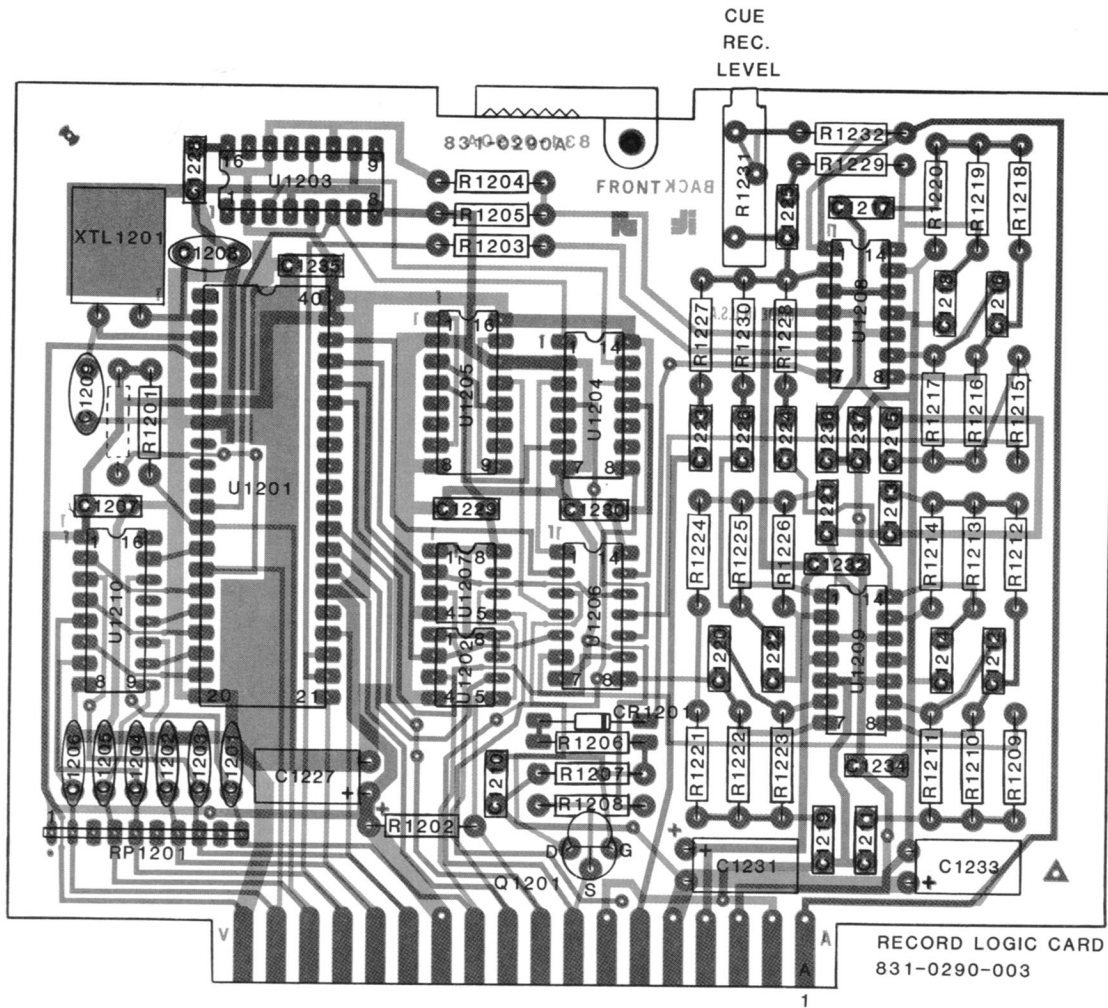
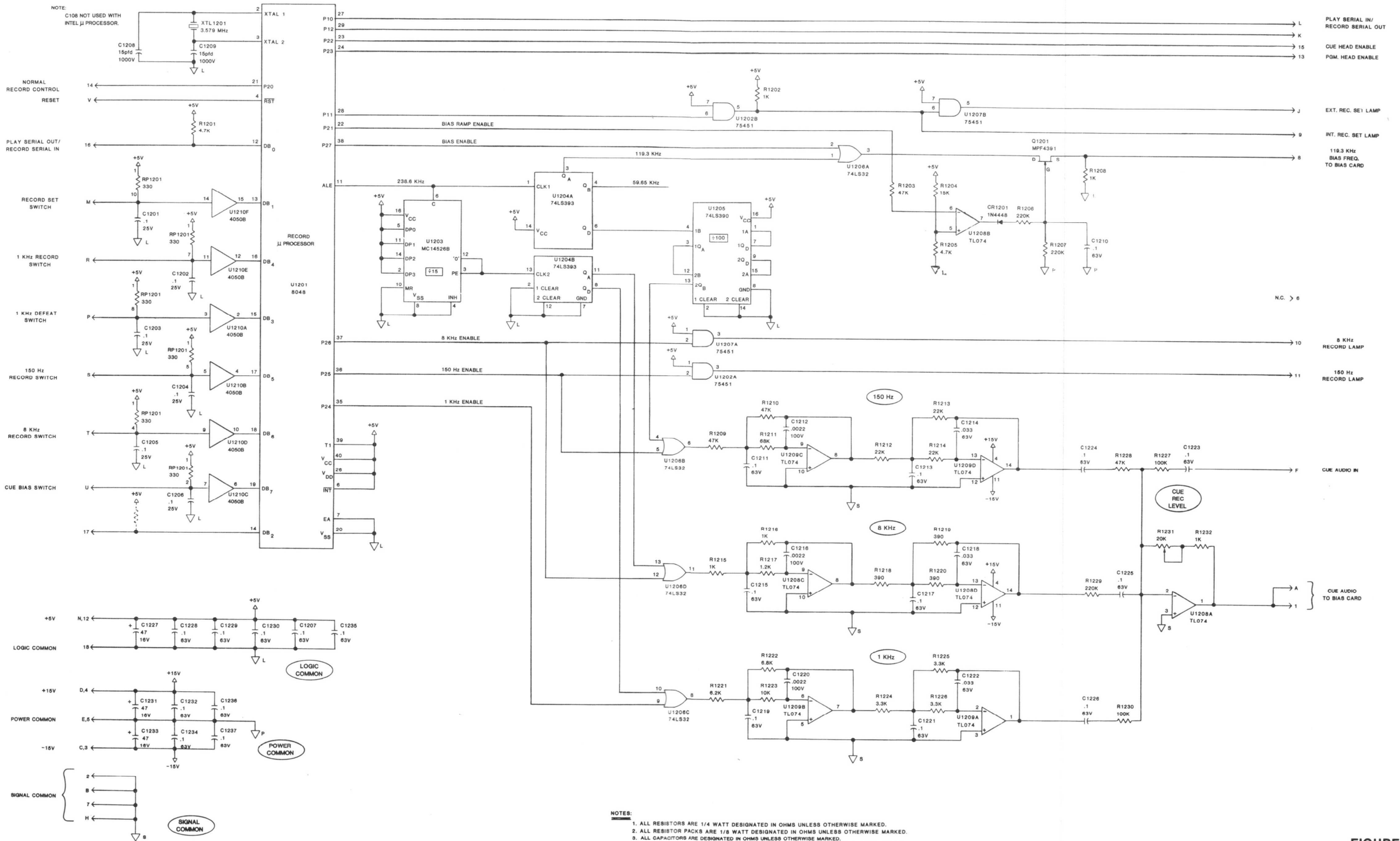


FIGURE 5-23

831-0290
 DELTA IV RECORD LOGIC PCB
 OVERLAY



- NOTES:**
1. ALL RESISTORS ARE 1/4 WATT DESIGNATED IN OHMS UNLESS OTHERWISE MARKED.
 2. ALL RESISTOR PACKS ARE 1/8 WATT DESIGNATED IN OHMS UNLESS OTHERWISE MARKED.
 3. ALL CAPACITORS ARE DESIGNATED IN OHMS UNLESS OTHERWISE MARKED.
 4. WE RESERVE THE RIGHT TO MAKE CHANGES AND IMPROVEMENTS AS TECHNOLOGY PROGRESSES.

FIGURE 5-24
831-0290
DELTA IV RECORD LOGIC PCB
SCHEMATIC

DELTA IV RECORD & METER AMPLIFIER PCB 831-0251 PARTS LIST (9/85)

RECORD AND METER AMPLIFIER PCB
(Assembly #831-0251-003)

CAPACITORS

C1001 678-0163-033 POLYPROPYLENE, 220 pfd, 63V, 5%
 C1002 678-0163-033 POLYPROPYLENE, 220 pfd, 63V, 5%
 C1003 695-1925-013 ALUMINUM ELECTROLYTIC, 100 ufd, 25V
 C1004 695-1925-013 ALUMINUM ELECTROLYTIC, 100 ufd, 25V
 C1005 695-1135-013 ALUMINUM ELECTROLYTIC, 4.7 ufd, 35V
 C1006 695-1135-013 ALUMINUM ELECTROLYTIC, 4.7 ufd, 35V
 C1007 680-1563-033 POLYESTER FILM, .015 ufd, 63V, 5%
 C1008 680-1563-033 POLYESTER FILM, .015 ufd, 63V, 5%
 C1009 680-2363-033 POLYESTER FILM, .068 ufd, 63V, 5%
 C1010 680-2363-033 POLYESTER FILM, .068 ufd, 63V, 5%
 C1011 680-2563-033 POLYESTER FILM, .10 ufd, 63V, 5%
 C1012 680-2563-033 POLYESTER FILM, .10 ufd, 63V, 5%
 C1013 695-1135-013 ALUMINUM ELECTROLYTIC, 4.7 ufd, 35V
 C1014 695-1135-013 ALUMINUM ELECTROLYTIC, 4.7 ufd, 35V
 C1015 695-1135-013 ALUMINUM ELECTROLYTIC, 4.7 ufd, 35V
 C1016 680-2563-033 POLYESTER FILM, .10 ufd, 63V, 5%
 C1017 680-2563-033 POLYESTER FILM, .10 ufd, 63V, 5%
 C1018 695-1716-013 ALUMINUM ELECTROLYTIC, 47 ufd, 16V
 C1019 695-1716-013 ALUMINUM ELECTROLYTIC, 47 ufd, 16V
 C1020 680-2563-033 POLYESTER FILM, .10 ufd, 63V, 5%
 C1021 680-2563-033 POLYESTER FILM, .10 ufd, 63V, 5%
 C1022 680-2563-033 POLYESTER FILM, .10 ufd, 63V, 5%
 C1023 680-2563-033 POLYESTER FILM, .10 ufd, 63V, 5%

RESISTORS

R1001 630-0075-000 CARBON FILM, 3.3K OHM, 1/4 W, 5%
 R1002 630-0075-000 CARBON FILM, 3.3K OHM, 1/4 W, 5%
 R1003 630-0101-000 CARBON FILM, 39K OHM, 1/4 W, 5%
 R1004 630-0101-000 CARBON FILM, 39K OHM, 1/4 W, 5%
 R1005 636-0031-000 POTENTIOMETER, 20K OHM, MULTI-TURN
 R1006 636-0031-000 POTENTIOMETER, 20K OHM, MULTI-TURN
 R1007 630-0051-000 CARBON FILM, 330 OHM, 1/4 W, 5%
 R1008 630-0051-000 CARBON FILM, 330 OHM, 1/4 W, 5%
 R1009 630-0093-000 CARBON FILM, 18K OHM, 1/4 W, 5%
 R1010 630-0093-000 CARBON FILM, 18K OHM, 1/4 W, 5%
 R1011 630-0119-000 CARBON FILM, 220K OHM, 1/4 W, 5%
 R1012 630-0119-000 CARBON FILM, 220K OHM, 1/4 W, 5%
 R1013 630-0047-000 CARBON FILM, 220 OHM, 1/4 W, 5%
 R1014 630-0047-000 CARBON FILM, 220 OHM, 1/4 W, 5%
 R1015 636-0031-000 POTENTIOMETER, 20K OHM, MULTI-TURN
 R1016 636-0031-000 POTENTIOMETER, 20K OHM, MULTI-TURN
 R1017 636-0031-000 POTENTIOMETER, 20K OHM, MULTI-TURN
 R1018 636-0031-000 POTENTIOMETER, 20K OHM, MULTI-TURN
 R1019 636-0031-000 POTENTIOMETER, 20K OHM, MULTI-TURN
 R1020 636-0031-000 POTENTIOMETER, 20K OHM, MULTI-TURN
 R1021 636-0031-000 POTENTIOMETER, 20K OHM, MULTI-TURN
 R1022 636-0031-000 POTENTIOMETER, 20K OHM, MULTI-TURN
 R1023 630-0119-000 CARBON FILM, 220K OHM, 1/4 W, 5%
 R1024 630-0119-000 CARBON FILM, 220K OHM, 1/4 W, 5%
 R1025 630-0111-000 CARBON FILM, 100K OHM, 1/4 W, 5%
 R1026 630-0111-000 CARBON FILM, 100K OHM, 1/4 W, 5%
 R1027 630-0111-000 CARBON FILM, 100K OHM, 1/4 W, 5%
 R1028 630-0111-000 CARBON FILM, 100K OHM, 1/4 W, 5%
 R1029 630-0091-000 CARBON FILM, 15K OHM, 1/4 W, 5%
 R1030 630-0091-000 CARBON FILM, 15K OHM, 1/4 W, 5%
 R1031 630-0127-000 CARBON FILM, 470K OHM, 1/4 W, 5%

RESISTOR NETWORKS

RP1001 631-0030-000 RESISTOR, ARRAY, SEPARATE SIP, 4R, 4.7K OHM
 RP1002 631-0030-000 RESISTOR, ARRAY, SEPARATE SIP, 4R, 4.7K OHM
 RP1003 631-0030-000 RESISTOR, ARRAY, SEPARATE SIP, 4R, 4.7K OHM
 RP1004 631-0030-000 RESISTOR, ARRAY, SEPARATE SIP, 4R, 4.7K OHM
 RP1005 631-0030-000 RESISTOR, ARRAY, SEPARATE SIP, 4R, 4.7K OHM
 RP1006 631-0030-000 RESISTOR, ARRAY, SEPARATE SIP, 4R, 4.7K OHM
 RP1007 631-0033-000 RESISTOR, ARRAY, SEPARATE SIP, 4R, 22K OHM

SEMICONDUCTORS

U1001 606-0016-000 IC, TL074CP, QUAD BI-FET OP AMP
 U1002 606-0016-000 IC, TL074CP, QUAD BI-FET OP AMP
 U1003 608-0004-000 IC, MC14052BC, CMOS DUAL 4-1 MULTIPLEX
 U1004 606-0015-000 IC, TL084CP, QUAD BI-FET OP AMP

DIODES

CR1001 575-0031-000 SMALL SIGNAL (1N4448)
 CR1002 575-0031-000 SMALL SIGNAL (1N4448)
 CR1003 575-0031-000 SMALL SIGNAL (1N4448)
 CR1004 575-0031-000 SMALL SIGNAL (1N4448)
 CR1005 575-0031-000 SMALL SIGNAL (1N4448)
 CR1006 575-0031-000 SMALL SIGNAL (1N4448)
 CR1007 575-0031-000 SMALL SIGNAL (1N4448)
 CR1008 575-0031-000 SMALL SIGNAL (1N4448)
 CR1009 575-0031-000 SMALL SIGNAL (1N4448)

SOCKETS

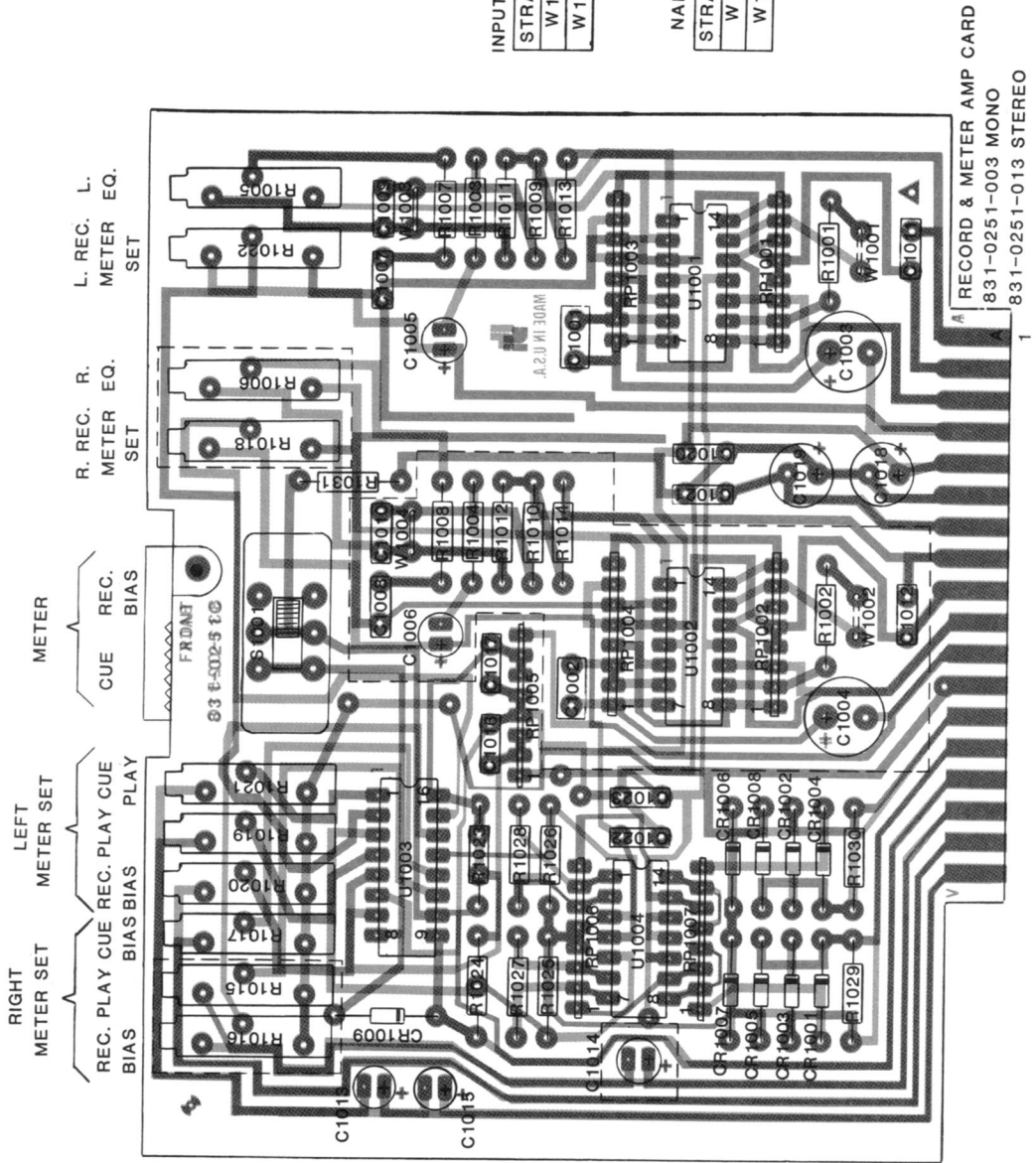
U1001 613-0008-000 SOCKET, IC, 14 PIN, DIP
 U1002 613-0008-000 SOCKET, IC, 14 PIN, DIP
 U1003 613-0009-000 SOCKET, IC, 16 PIN, DIP
 U1004 613-0008-000 SOCKET, IC, 14 PIN, DIP

STRAPPING

W1001 427-0003-000 BUS WIRE, SOLID, #22 AWG
 W1002 427-0003-000 BUS WIRE, SOLID, #22 AWG
 W1003 427-0002-000 BUS WIRE, SOLID, #22 AWG
 W1004 427-0002-000 BUS WIRE, SOLID, #22 AWG

MISCELLANEOUS

S1001 402-0003-000 SWITCH, MINATURE SLIDE, DPDT, P.C. MOUNT
 323-0003-001 CARD PULL, DELTAS
 282-0046-000 PIN, ROLL, 1/16 X 3/16



INPUT LEVEL STRAPPING TABLE

STRAP (S)	-6dbm	+6dbm
W1001	IN	OUT
W1002	IN	OUT

NAB EQUALIZATION TABLE

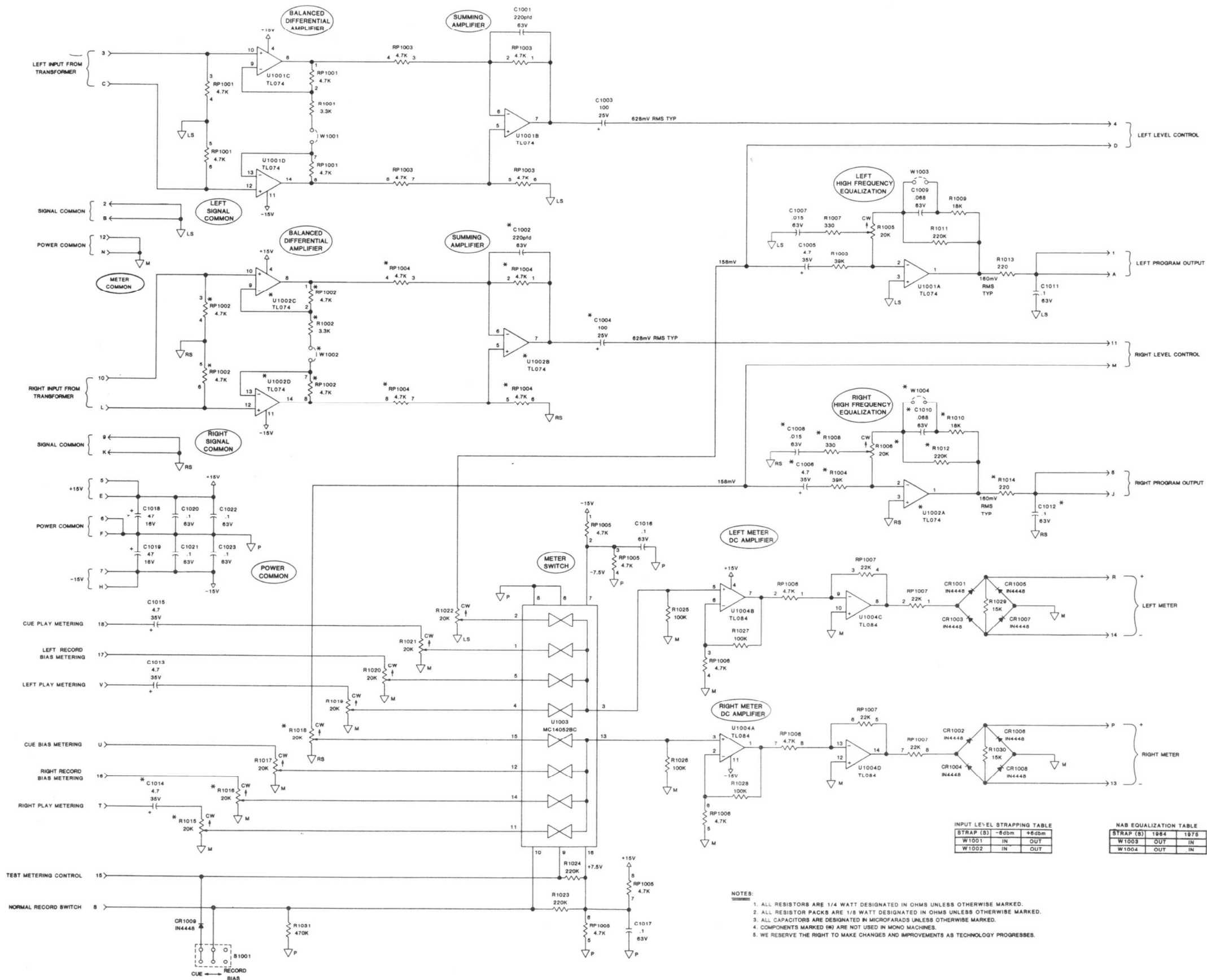
STRAP (S)	1964	1975
W1003	OUT	IN
W1004	OUT	IN

RECORD & METER AMP CARD
831-0251-003 MONO
831-0251-013 STEREO

COMPONENTS WITHIN DASHED LINED AREAS
NOT USED IN MONO MACHINES.

FIGURE 5-25

831-0251
DELTA IV RECORD & METER AMPLIFIER PCB
OVERLAY



INPUT LEVEL STRAPPING TABLE

STRAP (S)	-6dbm	+6dbm
W1001	IN	OUT
W1002	IN	OUT

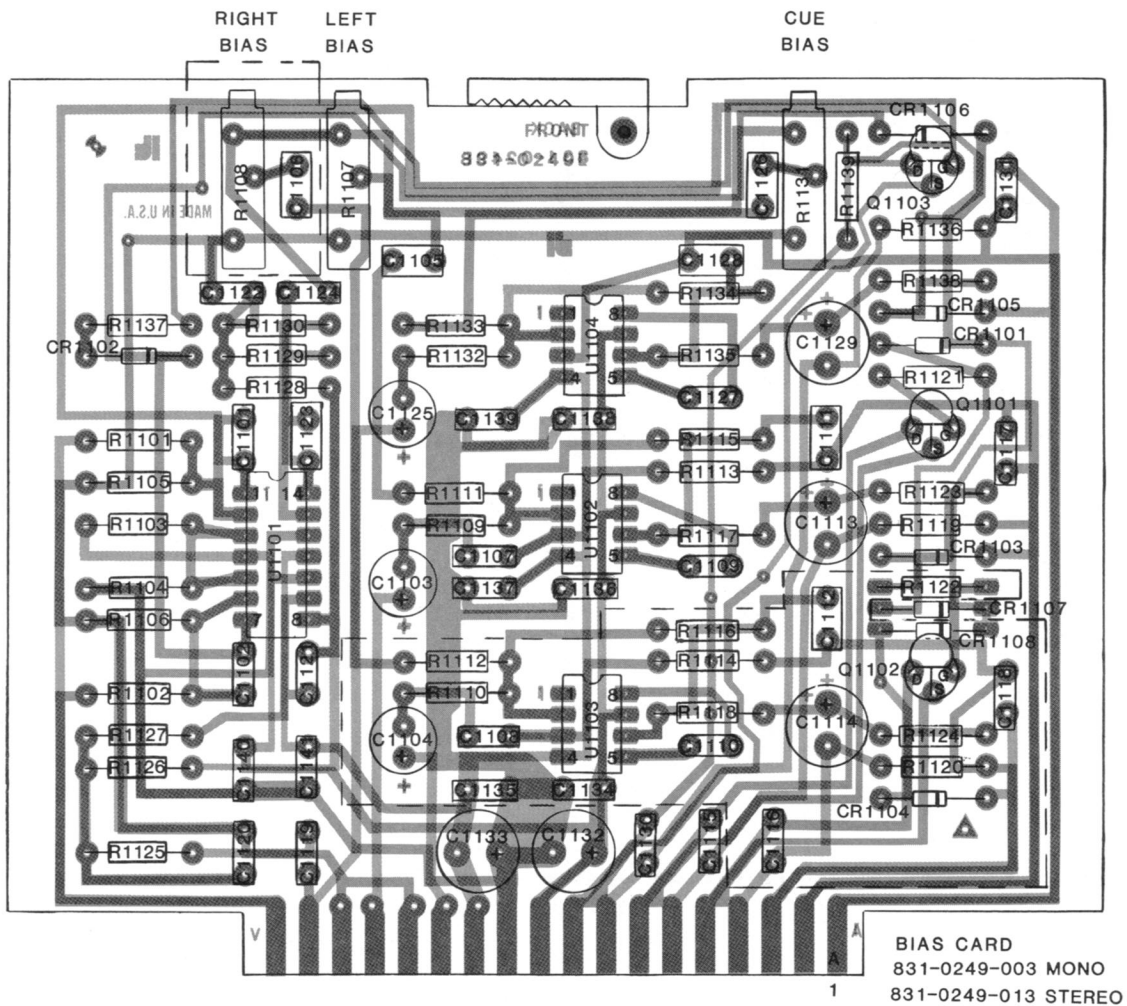
NAB EQUALIZATION TABLE

STRAP (S)	1984	1975
W1003	OUT	IN
W1004	OUT	IN

- NOTES:
1. ALL RESISTORS ARE 1/4 WATT DESIGNATED IN OHMS UNLESS OTHERWISE MARKED.
 2. ALL RESISTOR PACKS ARE 1/8 WATT DESIGNATED IN OHMS UNLESS OTHERWISE MARKED.
 3. ALL CAPACITORS ARE DESIGNATED IN MICROFARADS UNLESS OTHERWISE MARKED.
 4. COMPONENTS MARKED (N) ARE NOT USED IN MONO MACHINES.
 5. WE RESERVE THE RIGHT TO MAKE CHANGES AND IMPROVEMENTS AS TECHNOLOGY PROGRESSES.

FIGURE 5-26

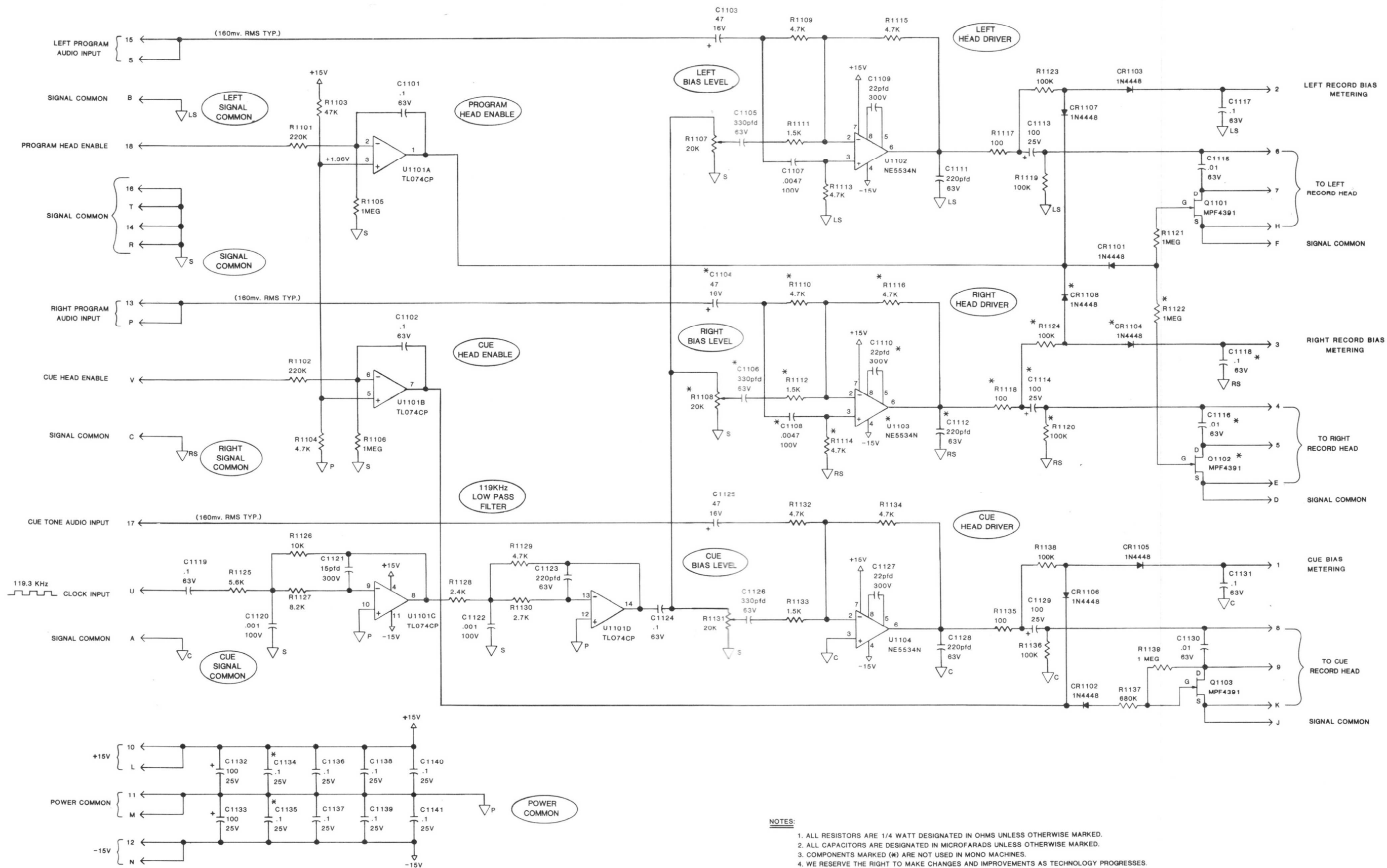
831-0251
DELTA IV RECORD & METER AMPLIFIER PCB
SCHEMATIC



COMPONENTS WITHIN DASHED LINED AREAS
NOT USED IN MONO MACHINES.

FIGURE 5-27

831-0249
DELTA IV BIAS AMPLIFIER PCB
OVERLAY



- NOTES:
1. ALL RESISTORS ARE 1/4 WATT DESIGNATED IN OHMS UNLESS OTHERWISE MARKED.
 2. ALL CAPACITORS ARE DESIGNATED IN MICROFARADS UNLESS OTHERWISE MARKED.
 3. COMPONENTS MARKED (*) ARE NOT USED IN MONO MACHINES.
 4. WE RESERVE THE RIGHT TO MAKE CHANGES AND IMPROVEMENTS AS TECHNOLOGY PROGRESSES.

FIGURE 5-28
 831-0249
 (9 / 8 5) DELTA IV BIAS AMPLIFIER PCB
 SCHEMATIC

DELTA IV MOTHERBOARD 831-0304 PARTS LIST

DIV MOTHER BOARD
(Assembly #831-0304-013)

CONNECTORS & SOCKETS		RESISTORS	
J3	380-0167-000	R1401	630-0043-000
J4	380-0145-000	R1402	630-0043-000
J1401	380-0143-000	R1403	630-0058-000
J1402	380-0143-000	R1404	630-0058-000
J1403	380-0143-000	R1405	630-0080-000
J1408	380-0062-000	R1406	630-0080-000
J1409	380-0062-000	R1407	630-0080-000
J1410	380-0062-000	R1408	630-0080-000
P1404	376-0057-000	TRANSFORMERS	
P1405	376-0058-000	T1401	532-0010-000
P1406	376-0033-000	T1402	532-0010-000
P1407	376-0033-000	STRAPPING	
VOLTAGE REGULATORS (Mounted on Center Support Plate)		W1401	427-0003-000
VR1401	605-0012-000	W1402	427-0003-000
VR1402	605-0010-000	W1403	427-0003-000
VR1403	605-0011-000	W1404	427-0003-000
3	613-0041-000	W1405	427-0003-000
3	352-0004-000	W1406	427-0003-000
CAPACITORS		W1407	427-0003-000
C1401	680-3163-033	W1408	427-0003-000
C1402	680-3163-033	MISCELLANEOUS	
C1403	680-3163-033	325-0304-013	
C1404	680-3163-033	PCB, MOTHER, DIV	
C1405	680-3163-033		
C1406	680-3163-033		
C1407	698-0016-000		
C1408	698-0016-000		
C1409	698-0018-000		
C1410	677-0003-000		
C1411	677-0003-000		
DIODES			
CR1401	575-0007-000		
CR1402	575-0007-000		
CR1403	575-0007-000		

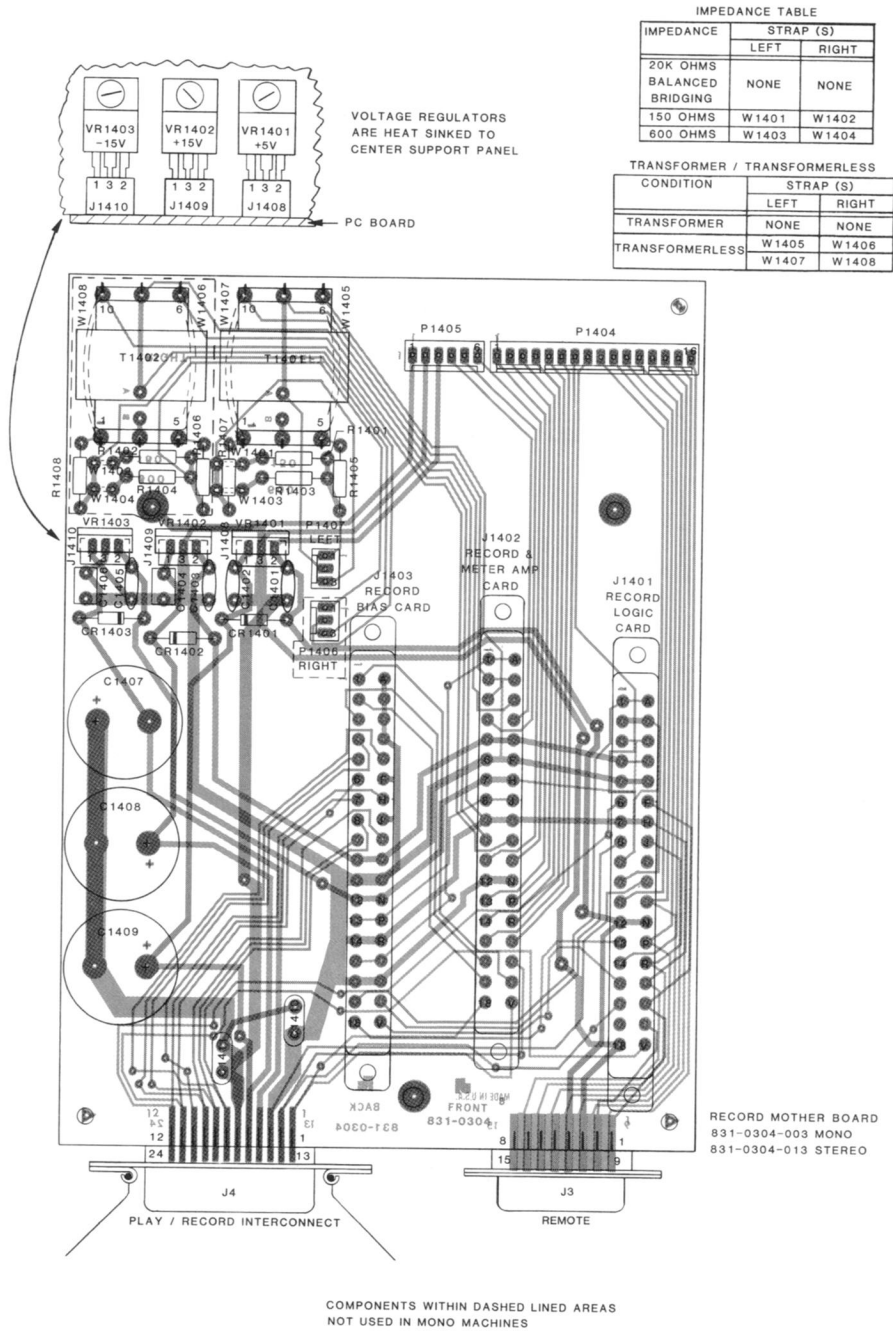
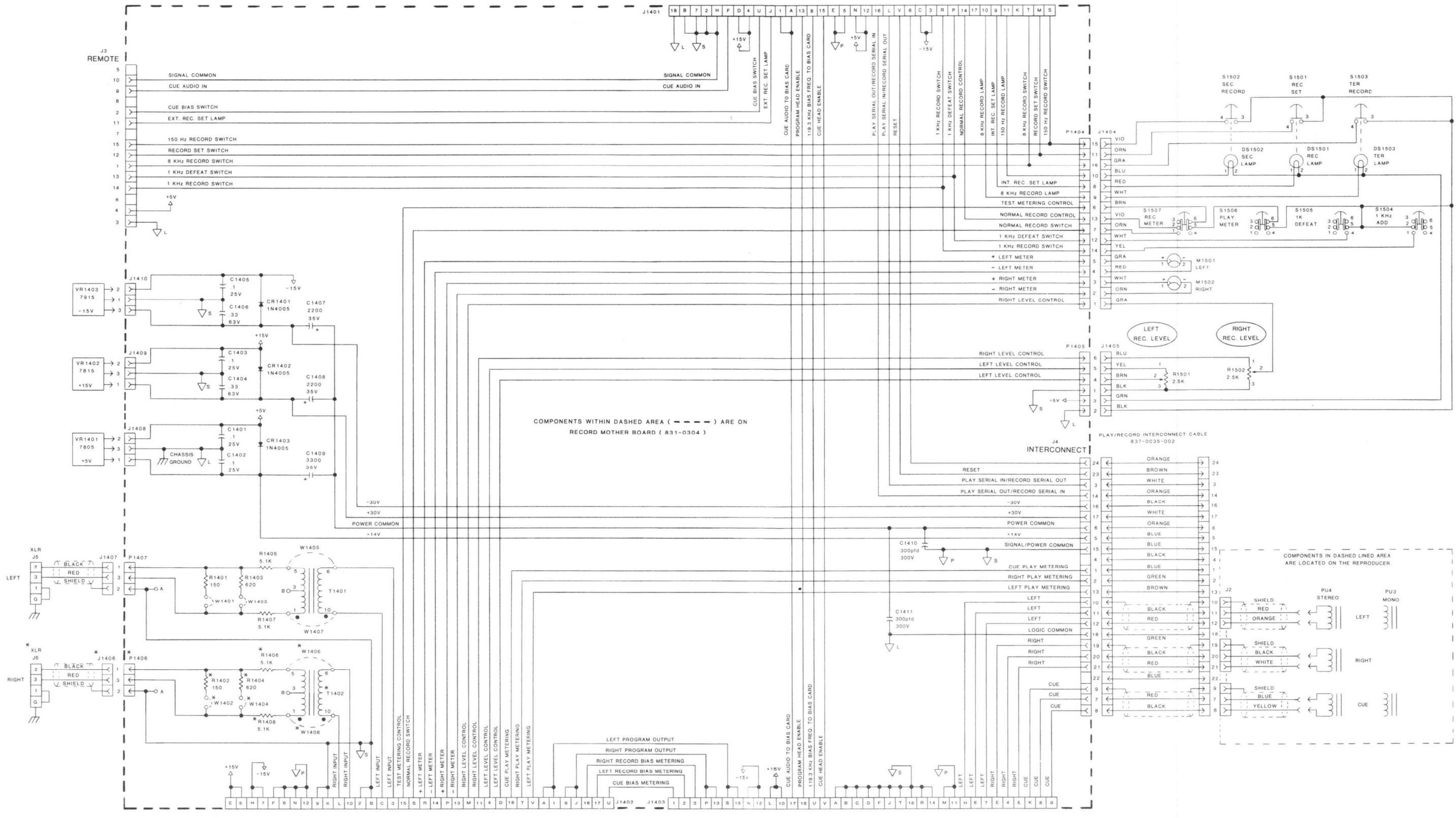


FIGURE 5-29

831-0304
DELTA IV MOTHERBOARD
OVERLAY

RECORD LOGIC CARD
831-0290



IMPEDANCE TABLE

IMPEDANCE	STRAP (S)	
	LEFT	RIGHT
20K OHMS	NONE	NONE
BALANCED BRIDGING	NONE	NONE
150 OHMS	W1401	W1402
600 OHMS	W1403	W1404

TRANSFORMER / TRANSFORMERLESS

CONDITION	STRAP (S)	
	LEFT	RIGHT
TRANSFORMER	NONE	NONE
TRANSFORMERLESS	W1405	W1406
	W1407	W1408

- NOTES:**
- ALL RESISTORS ARE 1/4 WATT DESIGNATED IN OHMS UNLESS OTHERWISE MARKED.
 - ALL CAPACITORS ARE DESIGNATED IN MICROFARADS UNLESS OTHERWISE MARKED.
 - COMPONENTS MARKED WITH (*) ARE NOT USED IN MONO MACHINES.
 - WE RESERVE THE RIGHT TO MAKE CHANGES AND IMPROVEMENTS AS TECHNOLOGY PROGRESSES.

FIGURE 5-30
831-0304
DELTA IV MOTHERBOARD
SCHEMATIC

SECTION VI - MECHANICAL PARTS LISTS

DELTA III MECHANICAL PARTS LIST

SERVO MOTOR

Part Number	Description
832-1006-010	Assembly, Servo Motor w/Controller
455-0006-073	Motor, Servo, 10mm Shaft
350-0404-000 (2)	Screw, 4-40 x 1/4 Phil. Pan ZP
831-0270-003	PCB Assembly, Motor Control
837-0079-002	Cable, Motor Control Interconnect DI/II
353-1018-000	(2) Screw, 10-32 x 3/4 Button Hd., Socket, Black
SIDE PANELS	
272-0034-012	Guide, LH Cart Hold-Down, Anodized
301-0050-001	Cartridge Guide Spring
281-0106-023	LH Side Panel, DI/II/IV, Coated
350-0427-000	(2) Screw, 4-40 x 3/16 Phil. Flat Hd. 100 Deg.
281-0126-023	RH Side Panel, DI/II/IV, Coated
350-0612-000	(2) Screw, 6-32 x 7/16 Phil. Pan ZP
350-0624-000	Screw, 6-32 x 5/16 Phil. Fillister ZP
301-0058-001	Spring, Solenoid Return, Cad. Plate
353-0603-000	(12) Screw, 6-32 x 1/4 Button Hd., Socket, Black
441-0003-000	Tubing, Shrinkable, 1/8" White
Note: RH Cart Guide & Spring Are Part Of The Deck Assembly.	
837-0078-002	Cable, Audio Output Interconnect DI/II

DECK

254-0097-001	Bracket, Microswitch Mtg.
350-0604-000	(4) Screw, 6-32 x 1/4 Phil. Pan ZP
392-0009-000	Switch, Snap-Action, Simulated Roller
350-0205-000	(2) Nut, Hex, 3/16 x 2-56 x 1/16 ZP
370-0201-000	(2) Screw, 6-32 x 1/4 Phil. Truss ZP
350-0620-000	(2) Shield, Bottom Deck, 8/10 mm
297-0043-003	Shield, Upper Deck
272-0033-012	Guide, RH Cart Hold-Down, Anodized
301-0050-001	Cartridge Guide Spring
267-0029-024	Deck, Anodized, DI
267-0027-024	Deck, Anodized, DII
251-0001-051	(2) Bearing, Sleeve .377 x .3135 x 1/4
296-0046-001	Cross Shaft, Deck DI/II/III
297-0009-001	Shield, Lower Head
262-0023-012	Clamp, Cross Shaft
359-0037-001	Washer, Mylar .315 ID x 1/2 OD x .003 THK
359-0037-011	Washer, Mylar .315 ID x 1/2 OD x .004 THK
359-0037-021	Washer, Mylar .315 ID x 1/2 OD x .005 THK
359-0037-031	Washer, Mylar .315 ID x 1/2 OD x .007 THK
282-0041-000	Roll Pin 1/16 x 3/8
296-0004-001	Shaft, Pressure Roller
353-0603-000	Screw, 6-32 x 1/4 Button Hd., Socket
PRESSURE ROLLER ASSEMBLY	
359-0006-001	Washer, Nylon .480 OD x .193 ID x .010 Thk
291-0018-001	Roller, Pressure
360-1005-010	Washer, Pressure Roller Shaft, Nickel Plate
289-0002-000	Ring, Retainer, "E" Shaft, Steel
300-0098-001	Spacer, Head Shield
297-0034-001	Shield, Upper Head
350-0606-000	Screw, 6-32 x 5/16 Phil. Flat Hd. 100 Degree

FRONT PANEL

630-0043-000 (2)	Resistor, 150 Ohm, 1/4 W, 5x
686-0009-000 (2)	Capacitor, Ceramic Disc, .1 ufd, 25V
281-0099-024	DI Front Panel, Coated
81-0114-024	DII Front Panel, Coated
282-0010-011	Dowel Pin 1/8 x 5/8
328-0016-001	Inlay, Bottom Front Panel, Polycarbonate DI
328-0025-002	Inlay, Bottom Front Panel, Polycarbonate DII
280-0044-002	Nameplate, Logo
328-0017-001	Inlay, Top Front Panel, Polycarbonate DI/DII
328-0024-001	Inlay, Top Left Front Panel, DII
364-0002-000	Nameplate Retainer
832-1001-040	Switch Assembly, Yellow
391-0023-000	Switch, Pushbutton
415-0013-000	Lamp, Miniature, 5V
404-0059-011	Lens, Yellow, Dimpled
832-1001-050	Switch Assembly, Green
391-0023-000	Switch, Pushbutton
415-0013-000	Lamp, Miniature, 5V
404-0060-000	Lens, Green
832-1001-060	Switch Assembly, Blue
391-0023-000	Switch, Pushbutton
415-0013-000	Lamp, Miniature, 5V
404-0062-000	Lens, Blue
837-0077-003	Cable Harness, DI/II Switch Assembly
CENTER PLATE & SOLENOID	
283-0092-013	Plate, Center Support, DI
283-0089-014	Plate, Center Support, DII
350-0433-000	(2) Screw, 4-40 x 5/16 Phil. Fillister Hd.
350-0624-000	(2) Screw, 6-32 x 5/16 Phil. Fillister Hd.
352-0004-000	(3) Screw, Nylon 6-32 x 1/4 Slotted Round Hd.
605-0010-000	Regulator, 7815CT
605-0011-000	Regulator, 7915CT
605-0012-000	Regulator, MC78T05CT
613-0041-000	(3) Insulator, Thermally, T0220
477-0025-002	117V Solenoid, Bottoming 117V
477-0026-002	240V Solenoid, Bottoming 240V
441-0034-000	Tubing, Teflon #10 Lightweight
380-0147-000	Housing, 3 Pos. MTA-156
443-0004-000	Cable Tie
382-0104-000	Housing For 3-Pin MTA
CLEVIS/SOLENOID	
832-1003-000	Clevis Assembly
837-0023-011	Solenoid Chain Assembly
277-0001-001	Chain, Solenoid Linkage, 19 Links
301-0036-000	Spring, Extension
264-0001-001	Screw, Clevis - Solenoid Linkage
282-0001-001	Pin, Spring 1/16 x 5/16 Black
370-1001-000	Nut, Hex 10-32 x 3/8 ZP
TRANSFORMER	
283-0095-013	Plate, Toroid Mounting
344-0501-000	Screw, M5 x 40 mm, Phil. Flat Hd. 90 Degree
832-1660-090	Toroid Transformer Assembly w/Connectors
380-0153-000	Housing, 5 Pin MTA-156
380-0164-000	Housing, 6-Pin MTA-156
382-0105-000	Cover for 5-Pin MTA
382-0110-000	Cover For 6-Pin MTA
526-0023-004	Transformer, Toroid, Shielded

REAR PANEL

417-0012-000 117V Fuse, Cartridge, 3AG, .75 Amp 125V Time-Delay
 418-0006-000 117V Fuse Carrier, 3AG, Grey
 417-0018-000 240V Fuse, Cartridge, 5mm x 20mm, 400 mA 250V Slo-Blo
 418-0007-000 240V Fuse Carrier, 5mm x 20mm Black
 350-0406-000 (4) Screw, 4-40 x 1/4 Phil. Flat Hd., 82 Degree Panel, DI Rear
 281-0123-013 Panel, DII Rear
 281-0117-024 Inlay, DI Rear Panel
 328-0028-003 Inlay, DII Rear Panel
 328-0029-004 Fuse Holder, Low-Profile
 418-0005-000 Filter, RFI, Compact, w/IEC Connector Package
 539-0003-000 (2) Screw, 4-40 x 5/16 Phil. Fillister Hd.
 350-0433-000 Nut, Hex 4-40 x 1/4 Zp
 370-0402-000 Terminal, #4, Bent, Locking ZP
 375-0003-000 Screw, Nylon 6-32 x 1/4 Slotted Round Hd.
 352-0004-000 Transistor, Power, NPN, TIP50
 590-0033-000 Insulator, Thermally, TO220
 613-0041-000 (2) Screw, 4-40 x 5/16 Phil. Fillister Hd.
 350-0434-001 Screw, Cover Latch
 350-0405-000 Washer, #4 x 5/8 OD x .062, Flat Steel
 301-0055-000 Spring, Compression .180 OD x 1/2 LG x .022
 370-0402-000 Nut, Hex 4-40 x 1/4 Zp

HEADS/CABLES

504-0037-002 Head, STEREO Record
 504-0041-002 Head, STEREO Play
 504-0033-002 Head, MONO Record
 504-0036-002 Head, MONO Play
 504-0001-000 Head, "Dummy" (Play Only units)
 837-0039-002 Cable, Audio Head, Left (MONO)
 837-0040-002 Cable, Audio Head, Right (MONO)
 837-0041-002 Cable, Audio Head, CUE
 837-0042-002 Cable, Record Head, Left (MONO)
 837-0043-002 Cable, Record Head, Right
 837-0044-002 Cable, Record Head, CUE

HEAD BLOCK ASSEMBLY

300-0098-001 Spacer, Head Shield
 350-0644-000 (3) Screw, 6-32 x 1 Phil. Fillister Hd.
 350-0649-000 Screw, 6-32 x 1 1/8 Phil. Flat Hd. 100 Degree
 270-0010-013 Frame, Head Block Support
 301-0054-000 (6) Spring, .041 Wire x .439 Long 14 lbs. Ext.
 282-0045-000 (6) Roll Pin, 5/64 Dia. x 1 3/8 Long, Black
 272-0038-012 Tape Guide, LH
 272-0039-012 Tape Guide, RH
 272-0039-012 Tape Guide, Center
 303-0001-001 (2) Strap, Head Mounting
 350-0308-000 (4) Screw, 3-48 x 5/8 Phil. Pan Hd.
 350-0403-000 (6) Screw, 4-40 x 3/16 Phil. Pan Hd.
 355-0813-000 (4) Screw, 8-32 x 1/2 Socket Set, Cone Point
 355-0814-000 (2) Screw, 8-32 x 1/2 Socket Set, Oval Point
 370-0801-000 (6) Nut, Hex 8-32 x 1/4 x 3/32 Thk.

Block, Head Mounting, RH
 Roll Pin, 1/8 x 1
 Block, Head Mounting, LH
 Roll Pin, 1/8 x 1

COVERS

265-0061-003 Cover, Bottom, DI
 265-0068-004 Cover, Bottom, DII
 311-0039-000 (4) Feet, Rubber, Medium, Black
 350-0608-000 (4) Screw, 6-32 x 3/8 Phil. Pan Hd. ZP
 370-0602-000 (4) Nut, KEPS, 6-32 x 1/4, Small OD, Steel ZP
 265-0062-002 Cover, Top, DI
 265-0067-003 Cover, Top, DII
 328-0010-002 (2) Inlay, RH & LH Side
 353-0402-000 (3) Screw, 4-40 x 3/16 Button Hd., Socket Cap

EXTERNAL CONNECTORS/MISCELLANEOUS

378-0019-000 Plug, 3 Pin Female
 378-0062-000 Plug, 15 Pin D-Subminiature
 362-0108-000 Housing, Cable Clamp & Pin Connector
 433-0004-000 117V Cord, Line
 433-0005-000 240V Cord, Line
 890-0028-020 Technical Manual

DELTA III MECHANICAL PARTS LIST

Part Number	Description	SOLENOID/CLEVIS
832-1352-020	SERVO MOTOR	
	Assembly, Servo Motor w/Controller	
382-0102-000	Cover, For 10 Pin MTA	117V Solenoid, Bottoming
297-0030-002	Shield, Motor, DIII	477-0026-002 240V Solenoid, Bottoming
350-0404-000 (4)	Screw, 4-40 x 1/4 Button Hd., Socket Cap	832-1003-000 Clevis Assembly
455-0005-044	Motor, Servo, 10mm Shaft	264-0001-001 Clevis Screw, Solenoid Linkege
831-0270-003	PCB Assembly, Motor Control	837-0023-011 Solenoid Chain Assembly, 19 Linke
353-1018-000	Screw, 10-32 x 3/4 Button Hd., Socket Cap	282-0001-001 Pin, Spring 1/16 x 5/16 Black
	FRONT PANEL/BRACES	370-1001-000 Nut, Hex 10-32 x 3/8 ZP
304-0021-022	Support, Front Top	
328-0019-001	Inlay, Front Top Support	
353-0604-000 (2)	Screw, 6-32 x 3/8 Button Hd., Socket Cap	DECK FRONT PANEL/SWITCHES
280-0044-002	Nameplate, Logo	Panel, Front Deck, Black Anodized
281-0101-022	Panel, Front, DIII	Tubing, Teflon #8
328-0018-001	Inlay, Front Panel, Polycarbonate	(2) Resistor, Carbon Film, 150 Ohm, 1/4 w, 5k
364-0002-000	Retainer, .187 Stud x .50 Long x .38 Wide x .017 Thk	(2) Capacitor, Ceramic Disc, .1 ufd, 25V
353-0604-000 (2)	Screw, 6-32 x 3/8 Button Hd., Socket Cap	Switch, Push
281-0109-024	Panel, Side RH	Lamp, Miniature, 5V
353-0604-000 (12)	Screw, 6-32 x 3/8 Button Hd., Socket Cap	Lens, Yellow, Dimpled
	PRESSURE ROLLER ASSEMBLY	Switch, Push
289-0002-000 (3)	Ring, Retainer, "E" Shaft, Steel	Lamp, Miniature, 5V
291-0018-001 (3)	Roller, Pressure	Lens, Green
359-0006-001 (3)	Washer, Nylon, .480 OD x .193 ID x .010 Thk.	-END QUANTITY PER DECK-
360-1005-010 (3)	Washer, Pressure Roller Shaft, Nickel Plate	HEADS/CABLES
	DECK	
350-0819-000	Screw, 8-32 x 6 Slotted Round Hd., 1 1/2 Thread	(2) Head, "Dummy" (Qty. 3 on Playback Only Units)
350-0404-000	Screw, 4-40 x 1/4 Phil. Pan Hd. ZP	Head, STEREO Record
353-0604-000 (2)	Screw, 6-32 x 3/8 Button Hd., Socket	(3) Head, STEREO Play
443-0005-000 (7)	Cable Tie, 4"	(3) Head, MONO Play
443-0022-000 (2)	Mount, Adhesive, 4-Way	(3) Cable, Head to Deck, LEFT- Red/Orange
	-NOTE: EACH OF THE FOLLOWING IS QUANTITY PER DECK:-	(3) Cable, Head to Deck, RIGHT- Black/White
251-0001-051 (2)	Bearing, Sleeve .377 x .3135 x 1/4	(3) Cable, Head to Deck, CUE- Yellow/Blue
262-0023-012	Clamp, Cross Shaft	(Note: Add one of each cable if Deck C is a Record/Play dec
267-0025-024	Roll Pin, 1/16 x 3/8	HEAD BLOCK ASSEMBLY
282-0041-000	Shaft, Anodized, DIII	
296-0004-001	Cross Shaft, Deck DI/II/III	
296-0046-001	Shield, Lower Head	
297-0029-001	Washer, Mylar .315 ID x 1/2 OD x .003 Thk	
359-0037-001	Washer, Mylar .315 ID x 1/2 OD x .004 Thk	
359-0037-011	Washer, Mylar .315 ID x 1/2 OD x .005 Thk	
359-0037-021	Washer, Mylar .315 ID x 1/2 OD x .007 Thk	
359-0037-031	Guide, RH Cart Hold-Down, Anodized	
272-0033-012	Spring, Cartridge Guide	
301-0050-001	Screw, 6-32 x 1/4 Phil. Truss Hd. ZP	
350-0062-000	Bracket, Microswitch Mtg.	
254-0097-001	Screw, 2-56 x 3/8 Phil. Pan Hd. ZP	
350-0205-000 (2)	Screw, 6-32 x 1/4 Phil. Pan Hd. ZP	
350-0604-000 (2)	Nut, Hex 3/16 x 2-56 x 1/16 ZP	
370-0201-000	Switch, Snap-Action, Simulated Roller	
392-0009-000	Bracket, Solenoid Mtg.	
254-0099-011	Spring, Solenoid Return	
301-0058-001	Screw, 6-32 x 3/8 Phil. Flat Hd. 82 Degree	
350-0610-000		
350-0624-000 (2)	Screw, 6-32 x 5/16 Phil. Fillister Hd. ZP	
365-0601-000 (2)	Lockwasher, #6 Internal Tooth ZP	
477-0025-002		
477-0026-002		
832-1003-000		
264-0001-001		
837-0023-011		
282-0001-001		
370-1001-000		
281-0107-023		
441-0011-000		
630-0043-000		
686-0009-000		
391-0023-000		
415-0013-000		
404-0059-011		
391-0023-000		
415-0013-000		
404-0060-000		
504-0001-000		
504-0037-002		
504-0041-002		
504-0033-002		
837-0049-002		
837-0050-002		
837-0051-002		
300-0098-001		
350-0606-000		
350-0614-000		
350-0637-000		
350-0649-000		
270-0010-013		
301-0054-000		
282-0045-000		
272-0038-012		
272-0039-012		
303-0001-001		
350-0308-000		
350-0403-000		
355-0813-000		
370-0801-000		

253-0089-013	Block, Head Mtg., RH	272-0035-013	INTERNAL CHASSIS/FAN/TRANSFORMER
282-0031-000	Roll Pin, 1/8 x 1		
253-0089-013	Block, Head Mtg., LH		
282-0031-000	Roll Pin, 1/8 x 1		
	-END QUANTITY PER DECK-		
	CENTER PLATE + HARNESES		
433-0005-000	(6) Cable Tie, 4"	272-0041-013	PCB Guide, Bottom
283-0085-013	Plate, Center Mtg.	295-0005-000	Disc, Toroid Mtg.
300-0099-000	(2) Spacer, 6-32 x 1/4 x 1/4 Hex, Male/Female	350-1041-000	Screw, 10-32 x 1 3/4 Slotted Pan Hd., Stainless Steel
352-0004-000	(3) Screw, Nylon 6-32 x 1/4 Slotted Round Hd.	359-0034-000	(2) Pad, Rubber, 89mm (For Toroid)
355-1008-000	(3) Screw, Nylon 6-32 x 1/2 Socket Set, Cup Point w/Nylock Inset	526-0021-003	Transformer, Toroidal, Power
605-0010-000	Regulator, 7815CT	353-0604-000	(6) Screw, 6-32 x 3/8 Button Hd., Socket
605-0011-000	Regulator, 7915CT	261-0028-002	Chassis, DIII Inner
613-0041-000	Regulator, MC78T05CT	350-0417-000	(4) Screw, 4-40 x 5/8 Phil. Pan Hd. ZP
353-0604-000	(3) Insulator, Thermally, T0220	370-0403-000	(4) Nut, KEPS 4-40 x 1/4, Hex ZP
350-0205-000	(3) Screw, 6-32 x 3/8 Button Hd., Socket		LH SIDE PANEL/CART GUIDES
698-0011-000	(6) Screw, 2-56 x 3/8 Phil. Pan Hd. ZP	281-0108-024	Panel, LH Side
698-0014-000	(2) Capacitor, Aluminum Electrolytic, 6800 ufd, 35V		
698-0015-000	(3) Capacitor, Aluminum Electrolytic, 220 ufd, 400V		
350-0624-000	(10) Screw, 6-32 x 5/16 Phil. Filler Hd. ZP		
375-0003-000	(2) Terminal, #4, Bent, Locking ZP	272-0034-012	Guide, LH Cart Hold-Down
382-0011-000	(16) Pin, Female, Transformer	301-0050-001	(4) Spring, Cartridge Guide
441-0029-010	(16) Tubing, Shrink, White	350-0427-000	(6) Screw, 4-40 x 3/16 Phil. Flat Hd. 100 Degree ZP
837-0048-002	Solenoid Cable, Deck A, Black/White 14 1/2"	301-0055-000	Spring, Compression .180 OD x 1/2 Long x .022 Music Wir
837-0048-012	Solenoid Cable, Deck B, Black/White 12"	350-0434-001	Screw, Cover Latch
837-0048-022	Solenoid Cable, Deck C, Black/White 11"	360-0406-000	Washer, #4 x 1/2 OD x .062 Flat, Steel ZP
380-0134-000	Connector, 24 Pin w/Lock, Female	370-0402-000	Nut, Hex 4-40 x 1/4 ZP
837-0058-002	Cable, Record Input		
837-0059-002	Cable, Record Input		
837-0060-002	Cable, Record Input		
378-0059-000	Plug, D-Subminiature, 15 Pin, Male		
837-0045-002	Cable, LEFT, Amp to Deck A, Red/Orange		
837-0046-002	Cable, RIGHT, Amp to Deck A, Black/White		
837-0047-002	Cable, CUE, Amp to Deck A, Blue/Yellow		
378-0059-000	Plug, D-Subminiature, 15 Pin, Male		
837-0045-012	Cable, LEFT, Amp to Deck B & C, Red/Orange		
837-0046-012	Cable, RIGHT, Amp to Deck B & C, Black/White		
837-0047-012	Cable, CUE, Amp to Deck B & C, Blue/Yellow		

-NOTE: EACH OF THE FOLLOWING IS QUANTITY PER DECK-

-END QUANTITY PER DECK-

REAR PANEL

417-0009-000 117V Fuse, Cartridge, 3AG, 1.5 Amp 125V Time-Delay
 417-0014-000 240V Fuse, Cartridge, 5mm x 20mm, 800 mA 250V Slo-810
 418-0006-000 117V Fuse Carrier, 3AG Grey
 418-0007-000 240V Fuse Carrier, 5mm x 20mm Black
 281-0130-013 Panel, Rear
 350-0433-000 (2) Screw, 4-40 x 5/16 Phil. Fillister Hd.
 370-0403-000 (2) Nut, KEPS 4-40 x 1/4 Hex ZP
 375-0003-000 Terminal, #4, Bent, Locking ZP
 418-0005-000 Fuse Holder, Low-Profile
 428-0009-000 Wire, Hookup, Brown
 428-0048-000 Wire, Hookup, 22 AWG Green/Yellow
 441-0004-010 (4) Tubing, Shrink 3/16 x 3/4 Black
 441-0020-000 Tubing, Teflon #14, Very Thin Wall
 539-0003-000 Filter, Compact RFI w/IEC Connector Package
 297-0039-002 Shield, High Voltage (For Power Components PCB)
 300-0101-000 Spacer, Nylon, Self-Locking, PCB Support 1"
 300-0102-000 Spacer, Nylon, #6 x 1/4 OD x 1
 350-0615-000 Screw, 6-32 x 1 3/8 Phil. Pan Hd. ZP
 350-0205-000 (2) Screw, 2-56 x 3/8 Phil. Pan Hd. ZP
 370-0201-000 (2) Nut, Hex 3/16 x 2-56 x 1/16 ZP
 441-0004-010 (2) Tubing, Shrink 3/16 x 3/4 Black
 350-0433-000 (3) Screw, 4-40 x 5/16 Phil. Fillister Hd.
 281-0103-012 Panel, Rear X.L.R. Connector
 350-0411-000 (12) Screw, 4-40 x 3/8 Phil. Flat Hd. 82 Degree ZP
 370-0403-000 (12) Nut, KEPS 4-40 x 1/4 Hex ZP
 272-0040-001 Guide, Fan Adjust

COVERS

265-0064-003 Cover, Bottom
 311-0039-000 (4) Feet, Rubber, Medium, Black
 350-0611-000 (4) Screw, 6-32 x 1/2 Phil. Pan Hd ZP
 353-0402-000 (3) Screw, 4-40 x 3/16 Button Hd., Socket Cap, Black
 360-0606-011 (4) Washer, (For Feet), .75 OD x .187 ID x .16 Thk
 370-0602-000 (4) Nut, KEPS, 6-32 x 1/4, Small OD, Steel ZP
 265-0063-002 Cover, Top
 284-0018-000 (3) Hole Plug, 1/4" Heyco #DP-250
 328-0011-003 (2) Inlay, RH & LH Side Panel
 353-0402-000 (4) Screw, 4-40 x 3/16 Button Hd., Socket Cap, Black
 297-0034-001 (3) Shield, Upper Head
 265-0059-012 Cover, Rear PC Card

EXTERNAL CONNECTORS/MISCELLANEOUS

433-0004-000 117V Cord, Line
 433-0005-000 240V Cord, Line
 378-0019-000 Plug, 3 Pin Female
 378-0062-000 Plug, 15 Pin D-Subminiature
 382-0108-000 Housing, Cable Clamp & Pin Connector
 890-0028-020 Technical Manual

DELTA IV MECHANICAL PARTS LIST

SIDE PANELS

281-0136-023	RH Side Panel, DI/II/IV, Coated
353-0603-000	(10) Screw, 6-32 x 1/4 Button Hd., Socket Cap, Black
281-0106-023	LH Side Panel, DI/II/IV, Coated
300-0099-000	(2) Spacer, 6-32 x 1/4 x 1/4, Male/Female
350-0403-000	Screw, 4-40 x 3/16 Phil. Pan Hd. ZP
FRONT PANEL	
315-0018-002	(2) Knob, Level Control
372-1102-000	(2) Nut, Hex, Steel, Locking, 3/8-32, 1/2 x 3/32
636-0044-000	(2) Potentiometer, 2.5K Ohm, Single-Turn
832-1400-300	DIV Meter Switch Assembly w/Bracket
254-0101-011	(2) Bracket, Potentiometer Mounting
350-0205-000	(2) Screw, 2-56 x 3/8 Phil. Pan Hd. ZP
365-0201-000	(2) Lockwasher, #2 x .035 x .020, Medium Split
370-0201-000	(2) Nut, Hex 3/16 x 2-56 x 1/16 ZP
391-0025-000	Switch Assembly
254-0103-011	(2) Bracket, Meter Mounting
350-0426-000	(2) Screw, 4-40 x 5/16 Internal SEMS, Phil. Pan Hd. ZP
370-0403-000	(2) Nut, KEPS 4-40 x 1/4, Hex ZP
281-0100-044	Panel, Front, DIV
282-0010-011	Dowel Pin, 1/8 x 5/8
328-0021-022	Inlay, Bottom Front Panel, DIV
328-0022-001	Inlay, Top Front Panel, DIV
350-0418-000	Screw, 4-40 x 5/8 Phil. Flat Hd. 82 Degree ZP
370-1001-000	(4) Nut, Hex 10-32 x 3/8 ZP
375-0008-000	(4) Terminal, #10, Bent, Locking
554-0002-000	(2) Meter, Modutec
832-1001-020	Switch Assembly, Red
391-0023-000	Switch, Push
404-0061-000	Lens, Red
415-0013-000	Lamp, Miniature, 5V
832-1001-060	Switch Assembly, Blue
391-0023-000	Switch, Push
404-0062-000	Lens, Blue
415-0013-000	Lamp, Miniature, 5V
832-1001-090	Switch Assembly, White
391-0023-000	Switch, Push
404-0063-000	Lens, White
415-0013-000	Lamp, Miniature, 5V

CENTER SUPPORT w/REGULATORS

283-0087-013	Plate, Center Support, DIV
350-0433-000	(2) Screw, 4-40 x 5/16 Phil. Fillister Hd.
352-0004-000	(3) Screw, Nylon 6-32 x 1/4 Slotted Round Hd.
605-0010-000	Regulator, 7815CT
605-0011-000	Regulator, 7915CT
605-0012-000	Regulator, MC78T05CT
613-0041-000	(3) Insulator, Thermally, T0220
REAR PANEL	
350-0406-000	(4) Screw, 4-40 x 1/4 Phil. Flat Hd. 82 Degree ZP
837-0082-002	(2) Cable, Audio Input w/XLR
837-0082-012	Cable, Audio Input w/o XLR
281-0125-013	Panel, Rear, DIV
328-0030-003	Inlay, Rear Panel
304-0026-011	Support, Motherboard
350-0413-000	(2) Screw, 4-40 x 7/16 Phil. Pan Hd. ZP
301-0055-000	Spring, Compression .180 OD x 1/2 Long x .022 Music Wir
350-0433-000	(2) Screw, 4-40 x 5/16 Phil. Fillister Hd.
350-0434-001	Screw, Cover Latch
360-0405-000	Washer, #4 x 5/8 OD x .062, Steel, Flat ZP
370-0402-000	Nut, Hex 4-40 x 1/4 ZP
COVERS	
265-0061-003	Cover, Bottom, DIV
311-0039-000	(4) Feet, Rubber, Medium, Black
350-0608-000	(4) Screw, 6-32 x 3/8 Phil. Pan Hd. ZP
370-0602-000	(4) Nut, KEPS 6-32 x 1/4, Hex, Small OD, Steel ZP
265-0062-002	Cover, Top, DIV
353-0402-000	(3) Screw, 4-40 x 3/16 Button Hd. Socket Cap, Black
328-0010-002	(2) Inlay, RH & LH Side Panel
EXTERNAL CONNECTORS/MISCELLANEOUS	
378-0018-000	Plug, 3 Pin Male
284-0012-000	Hole Plug, 5/8" Black
378-0062-000	Plug, 15 Pin D-Subminiature Connector
382-0108-000	Housing, Cable Clamp & Pin Connector
837-0035-002	Cable, Record/Play Interconnect
890-0028-020	Technical Manual (Packed w/Playback Unit on Record/Play packages)

SECTION VII — CHANGE INFORMATION

To maintain the finest possible equipment performance, ITC is constantly working to incorporate new technology and improvements into our products. Occasionally, due to scheduling and printing conflicts, these changes may not be immediately included in instruction manuals. Change information which is not yet a permanent part of the manual will be noted in the following section.