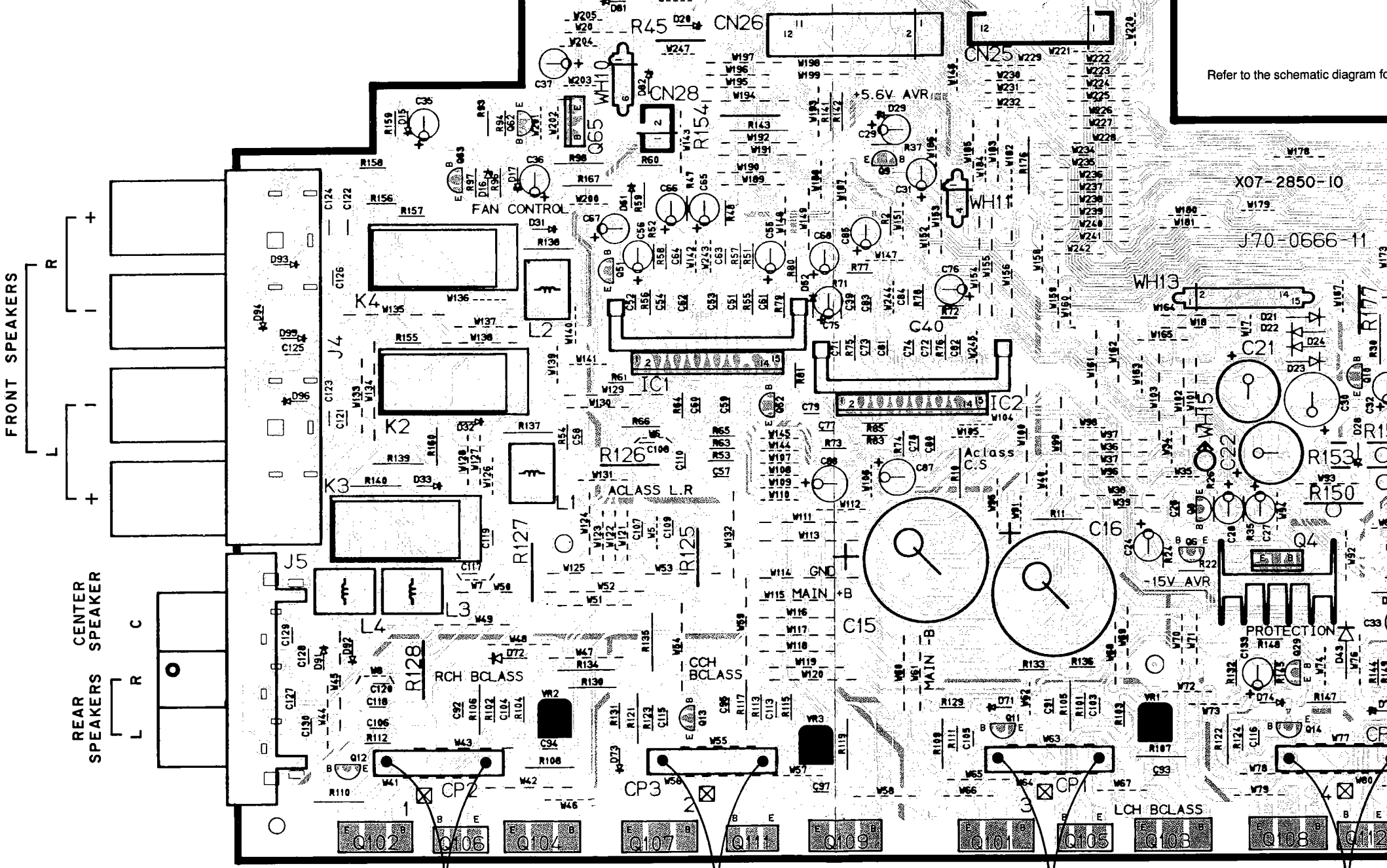
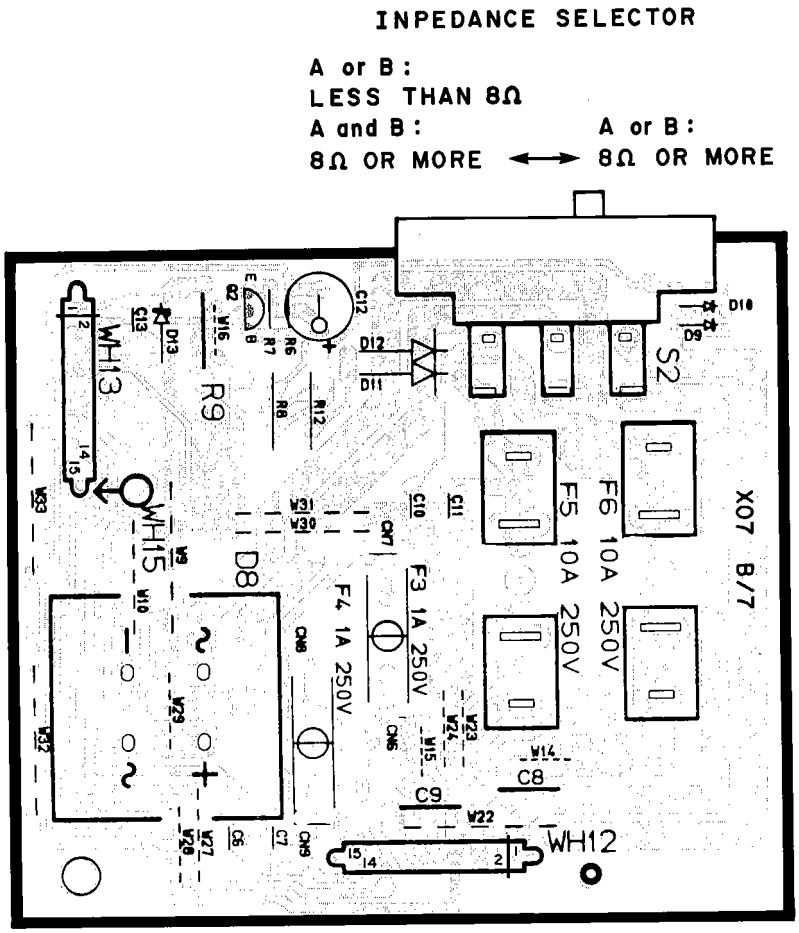
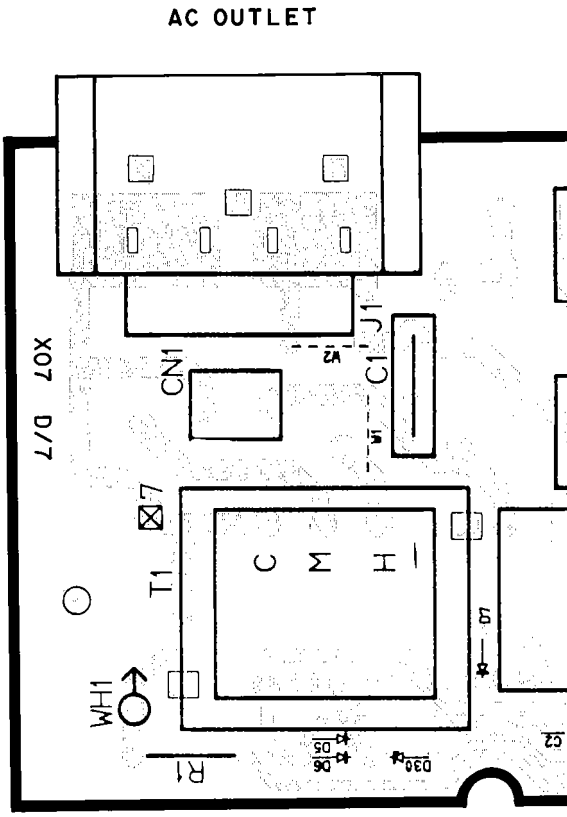
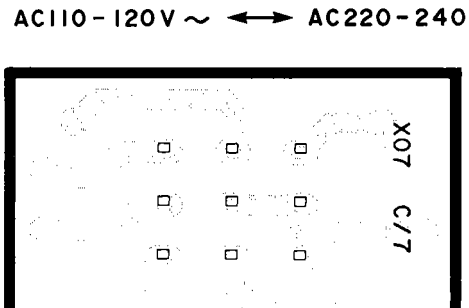
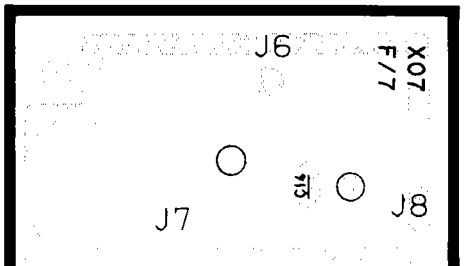

FRONT SPEAKERS
R
L
CENTER SPEAKER
REAR SPEAKERS
L R C
J5
J4
K4
K2
K3
L2
L1
L3
L4
R45
CN26
CN25
CN28
R154
WH10
Q65
+5.6V AVR
FAN CONTROL
WH11
X07-2850-10
J70-0666-11
WH13
C40
IC1
IC2
C21
C22
R153
R150
R177
C16
Q4
-15V AVR
PROTECTION
Aclass C.S
ACLASS L.R
R126
R127
R125
R128
RCH BCLASS
CCH BCLASS
LCH BCLASS
MAIN -B
MAIN +B
GND
C15
CP1
CP2
CP3
Q102
Q106
Q104
Q107
Q111
Q109
Q101
Q105
Q108
Q110
Q112
Refer to the schematic diagram fo
Rch
CENTER
Lch
REAR
DC voltmeter
DC voltmeter
DC voltmeter
DC voltmete
(b) IDLE CURRENT : 22mV
(b) IDLE CURRENT : 22mV
(b) IDLE CURRENT : 22mV
(b) IDLE CURREN



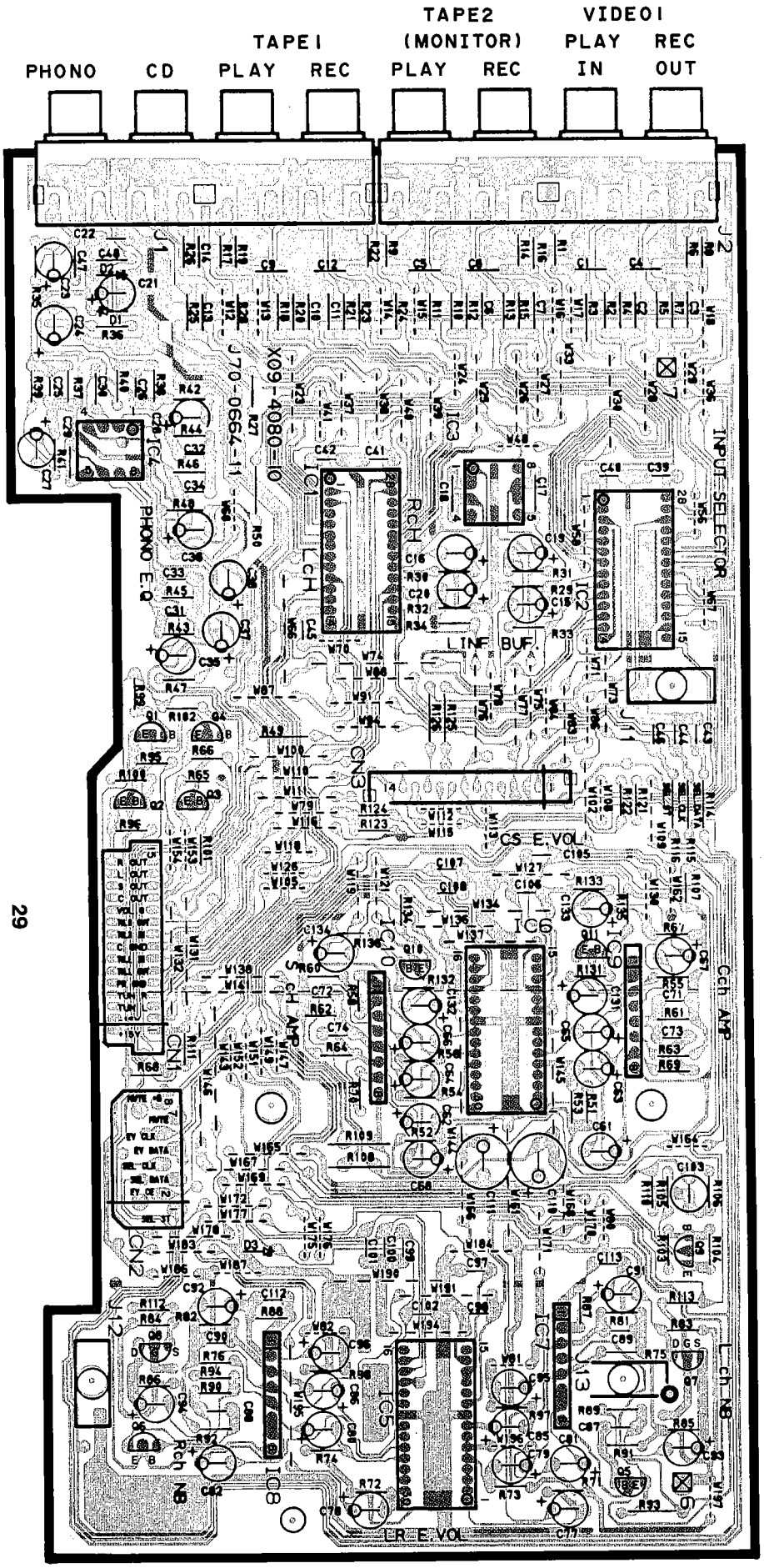


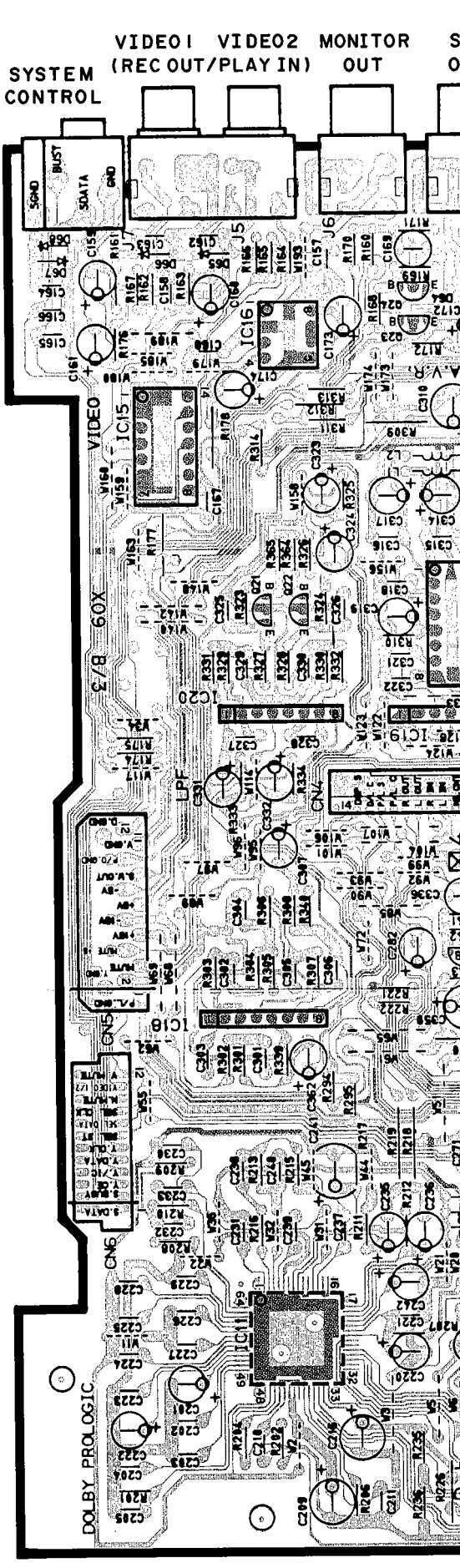




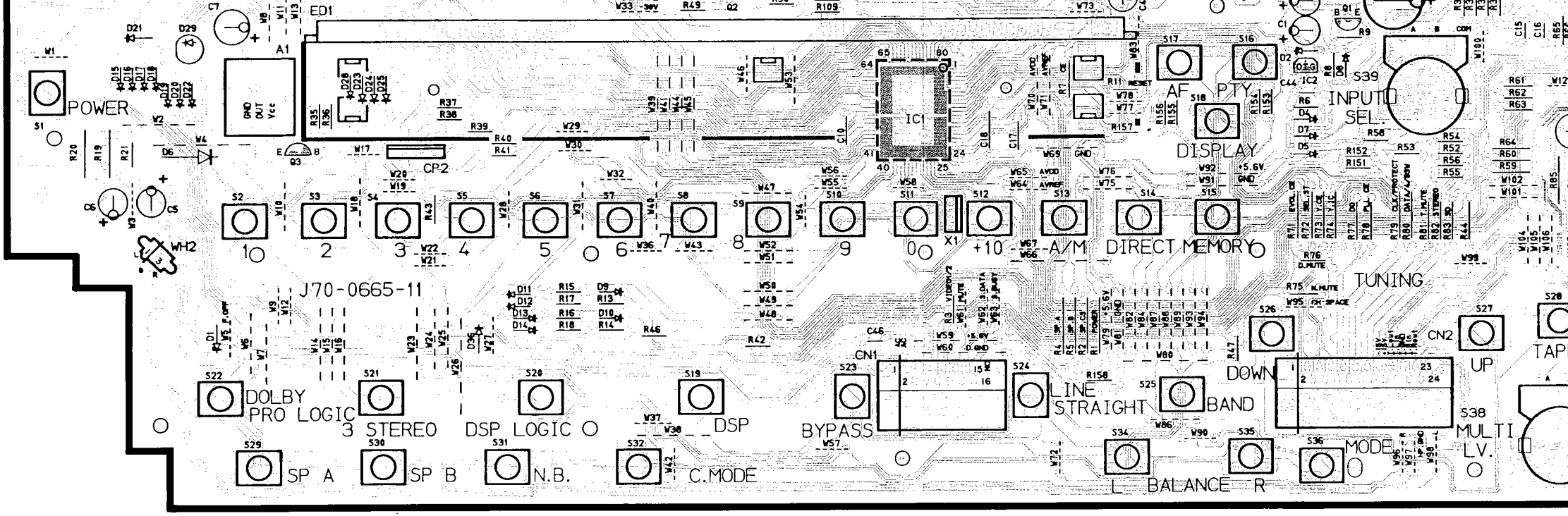


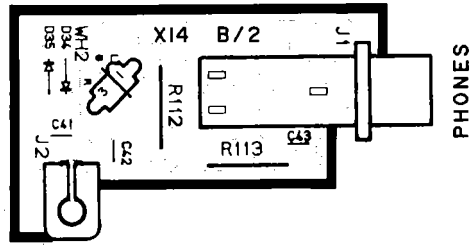
Refer to the schematic diagram for the values of resistors and capacitors.


PHONO
CD
TAPE1 PLAY
TAPE1 REC
TAPE2 (MONITOR) PLAY
TAPE2 (MONITOR) REC
VIDEO1 PLAY IN
VIDEO1 REC OUT
J1
J2
J70-0664-11
X09-4080-10
PHONO E.Q
INPUT SELECTOR
LINE BUF
CS E.VOL
LR E.VOL
CH AMP
NB
RCH
LCH

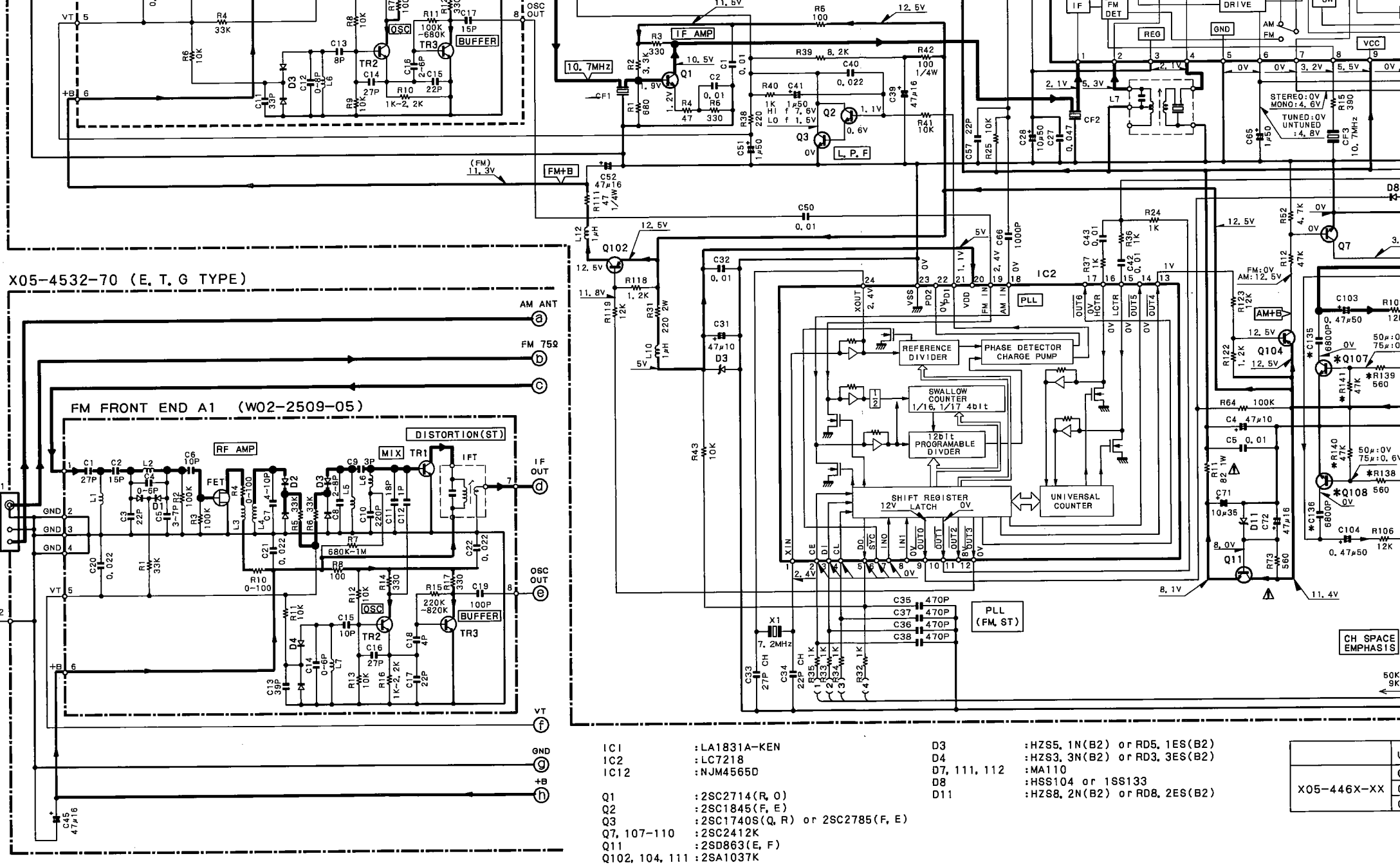

SYSTEM CONTROL
VIDEO1 (REC OUT/PLAY IN)
VIDEO2
MONITOR OUT
VIDEO
LPF
DOLBY PROLOGIC

Refer to th





Refer to the sc



IC1	:LA1831A-KEN
IC2	:LC7218
IC12	:NJM4565D
Q1	:2SC2714(R, O)
Q2	:2SC1845(F, E)
Q3	:2SC1740S(Q, R) or 2SC2785(F, E)
Q7, 107-110	:2SC2412K
Q11	:2SD863(E, F)
Q102, 104, 111	:2SA1037K
D3	:HZS5, 1N(B2) or RD5, 1ES(B2)
D4	:HZS3, 3N(B2) or RD3, 3ES(B2)
D7, 111, 112	:MA110
D8	:HSS104 or 1SS133
D11	:HZS8, 2N(B2) or RD8, 2ES(B2)

X05-446X-XX

GERMANY	G		

Q10,11
EMITTER FOLLOWER
Q10 −1.0V
C134 4.7μ35
R66 2.7K
R102 2.2K
Q4
−1.2V
R110 10K
C103 4.7μ25
R105 3.6K
R134 6.8K
R68 47K
R106 100K

Q11 −1.0V
C133 4.7μ35
R65 2.7K
R101 2.2K
Q3
−1.2V
R133 6.8K
R67 47K

IC7,8
BUFFER/NB
IC8 (1/2)
C96 10μ35
R96 2.7K
R88 4.7K
C92 1μ50
C112 100P
R94 3K
R98 47K
R112 1K
Q8
C94 1μ50
R90 1.2K
−0.8V
C88 0.18
−0.3V
Q6
N.B
R86 100K
R92 56K
Q2
−1.2V
R100 2.2K
Rch AMP

13.3V
R91 56K
−0.4V
Q5
R85 100K
C87 0.18
Q1
−1.2V
R99 2.2K
Lch AMP
R113 1K
C93 1μ50
R89 1.2K
Q7
1.2V
R97 47K
Q1~4
MUTE
C91 1μ50
C113 100P
R93 3K 1/4W
R87 4.7K
R95 2.7K
IC7 (1/2)
C95 10μ35

R116 100
R114 100
R115 100
R103 10K
4.2V
R104 10K
3.9V
MUTE DRIVE

CN2
1 SEL.ST
2 EV.CE
3 CEL.DATA
4 SEL.CLK
5 EV.DATA
6 EV.CLK
7 MUTE
8 MUTE +B
X07−A/7 −CN23
4/5
D

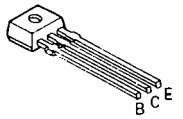
CN1
1 +15V
2 −15V
3 TUN.L
4 TUN.R
5 PURE GND
6 T.L OUT
7 T.L IN
8 C.GND
9 T.R IN
10 T.R OUT
11 VOL.GND
12 C ch
13 S ch
14 L ch
15 R ch
X07−A/7 −CN24
4/5
E

CN3
14 DSP S
13 D/L C
12 S OUT
11 C OUT
10 R OUT
9 L OUT
8 R IN
7 L IN
6 N.B CNT
5 V2R.R
4 V2L.R
3 A.GND
2 V2R.P
1 V2L.P
X09−B/3 −CN4
3/5
C

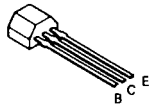
R124 100K
R123 100K

KR−V7070(K) (2/5)

2SA1175
2SC2785



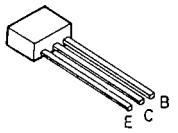
DTC124ES
2SA933S
2SC1740S



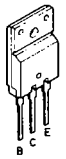
2SA1037K
2SA1576
2SC2412K
2SC2714
2SC4081
2SD1757K



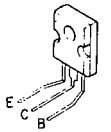
UN4212



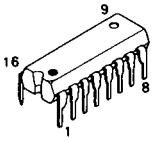
2SB1375
2SD2012
2SD2374

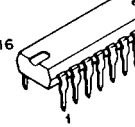


2SC4137F19

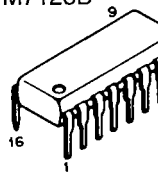


NE571N

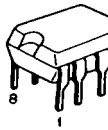




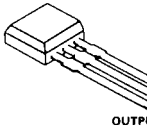
YM7128B



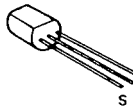
M5233P
NJM4580D-D



UPC78L05J



2SK246

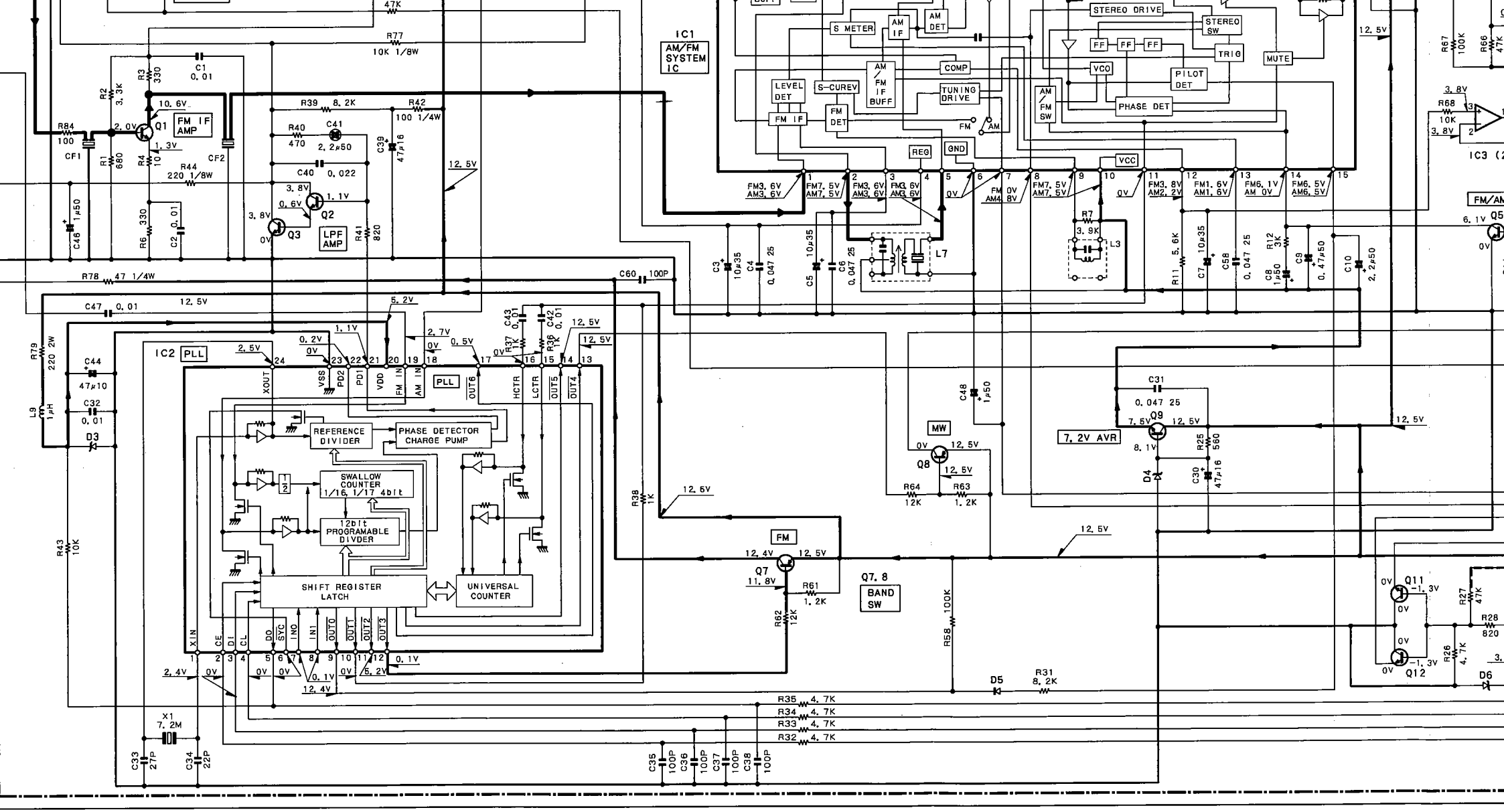


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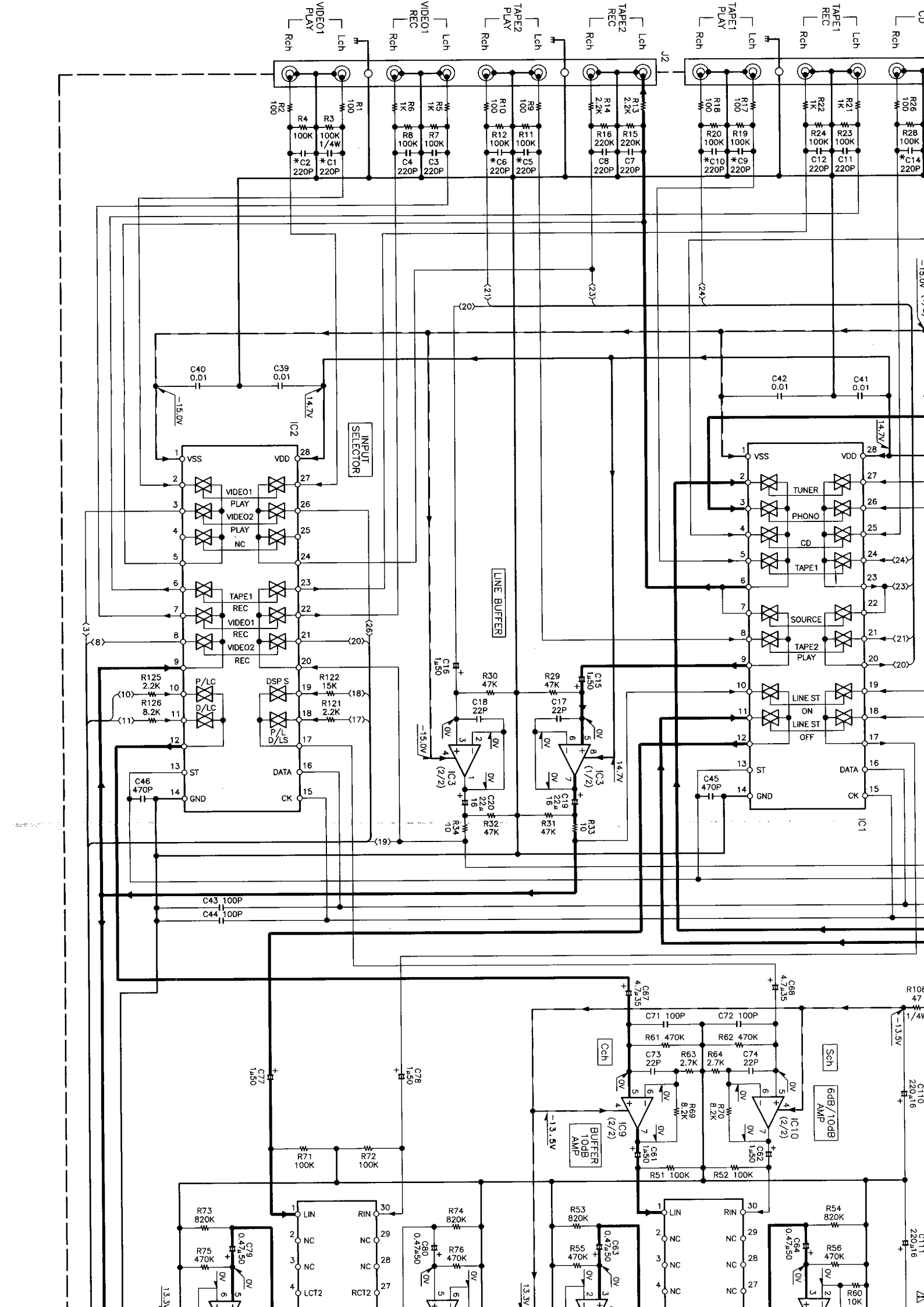
C1	:LA1836	Q1	:2SC2714(R, O)	D1, 2, 5	:1SS133 or HSS104
C2	:LC7218	Q2	:2SC1845(F, E)	D3	:HTZJ5. 1(B) or RD5, 1ES(B2)
C3	:M5223P	Q3, 4, 5, 16, 18	:2SC4081(R, S)	D4	:HTZJ8. 2(B) or RD8, 2ES(B2)
		Q7, 8, 10, 17	:2SA1576(R, S)	D6	:HTZJ3. 3(B) or RD3. 3ES(B2)
		Q9	:2SD863(E, F)	D7, 9	:MA110
		Q11, 12	:2SD1757K	D8	:1SS268

meter.
instru-

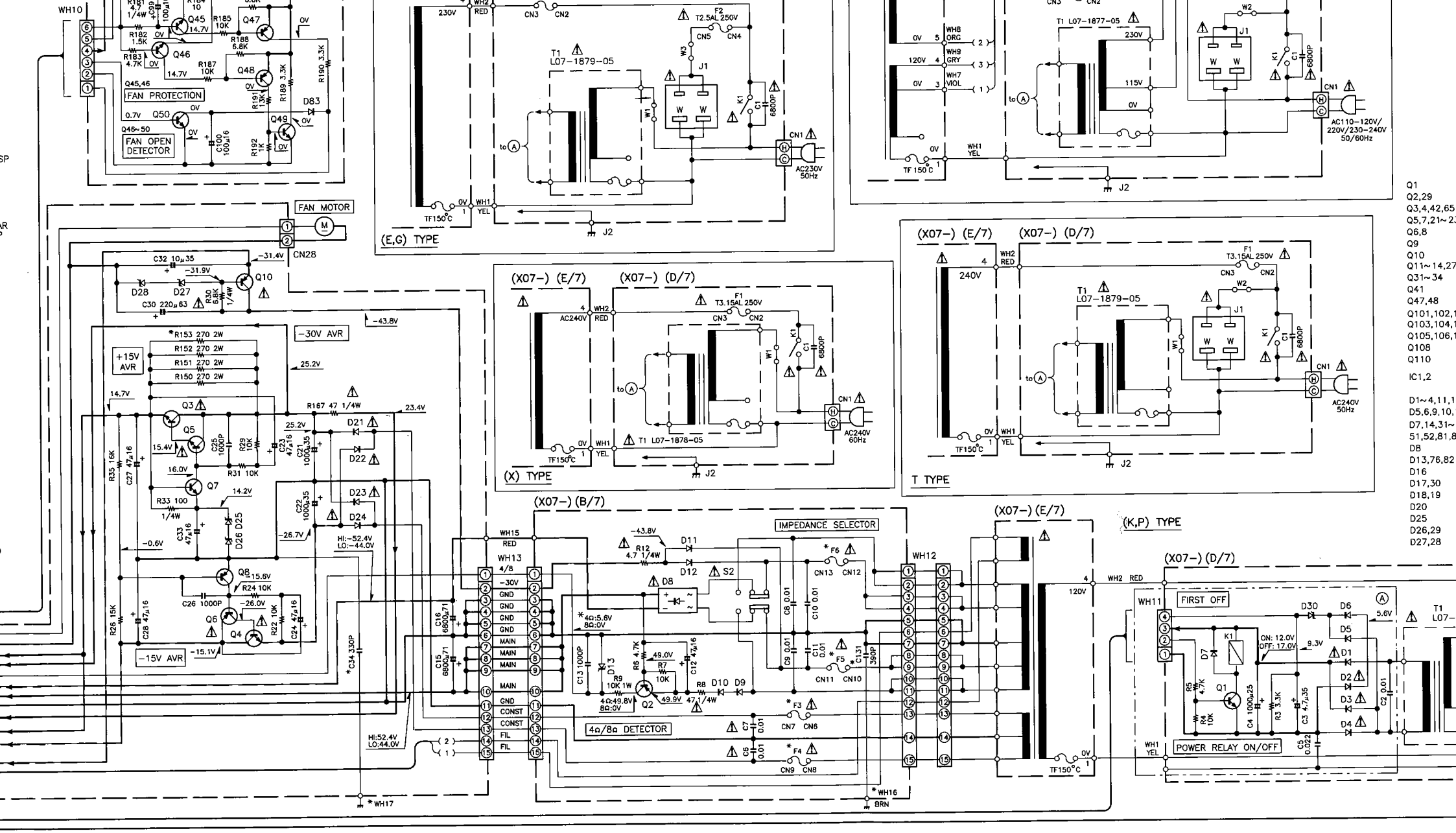
Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig.

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.


VIDEO1 PLAY
VIDEO1 REC
TAPE2 PLAY
TAPE2 REC
TAPE1 PLAY
TAPE1 REC
CD
Rch
Lch
J2
IC2
INPUT SELECTOR
VSS
VDD
VIDEO1 PLAY
VIDEO2 PLAY
NC
TAPE1 REC
VIDEO1 REC
VIDEO2 REC
P/LC
D/LC
DSP S
P/L D/LS
ST
DATA
CK
GND
LINE BUFFER
IC3 (2/2)
IC3 (1/2)
IC1
TUNER
PHONO
CD
TAPE1
SOURCE
TAPE2 PLAY
LINE ST ON
LINE ST OFF
Cch
Sch
BUFFER 10dB AMP
6dB/10dB AMP
IC9 (2/2)
IC10 (2/2)
LIN
RIN
NC
LCT2
RCT2
-15.0V
14.7V
-13.5V
13.3V
0V

(X09-) (C/3) E,T,G TYPE ONLY
IC501 : SAA6579
IC502 : IC654JH-4D68
D501 : UZ-5.1BSB or RD5.1ES(B2)
X05-CN2
WH51
J51
C513 100P
L501 1μH
L502 1μH
L503 1μH
ATT
S.LEVEL
NC
DET OUT
+15V
GND
RDS START
RDS DATA
RDS CLK
RDS RESET
S.LEVEL
ATT
CN51
R510 330 2W
D501
C509 10μ35
C508 0.01
L504 10μH
L505 10μH
R507 100
R509 100
R508 100
R501 22K
R502 22K
R503 47K
C501 2.2μ50
C502 330P
C503 560P
C504 0.01
C505 10μ35
C506 47P
C507 22P
X501 4.332MHz
R504 100
R505 100
R506 2.2K
R511 10K
C512 1000P
IC501
RDS DATA SYSTEM DEMODULATOR
IC502
RDS-COM
X502 4MHz
SYSTEM CONTROL
J7
VIDEO2 OUT
VIDEO2 IN
VIDEO1 IN
VIDEO1 OUT
MONITOR OUT
S.W. OUT
VIDEO2 PLAY
VIDEO2 REC
J5
J6
J4
J3
R163 75
R161 75
R158 100K
R157 100K
R154 100K
R153 100K
R156 100
R155 100
R152 1K
R151 1K
C158 47P
R167 3.3K
C157 47P
R166 3.3K
C156 220P
C172 4.7μ35
C155 0.01
R172 100
R159 620
D63
D64
C154 220P
C153 220P
C152 220P
C151 220P
C170 0.01
C171 0.01
D61
D62
C164 0.01
D67
D68
C165 220P
C166 220P
C160 10μ35
C161 10μ35
C159 10μ35
Q23
R160 10K
C169 10μ25
R176 100K
C168 0.01
C174 100μ10
IC16
C173 100μ10
C167 0.01
IC15
VIDEO
V MUTE
R178 22 1/4W
R177 22 1/4W
R174 100
R175 10K
MUTE DRIVER
Q24
MUTE OFF:-14.8V
MUTE ON :3.6V
R171 5.6K
R170 100K
R169 10K
C282 10μ35
R280 1.2K
IC21 (2/2)
C281 10μ35
IC21 (1/2)
R279 1.2K
MIXING AMP DSP
C205 0.68
R201 330K
R202 10K
R204 3.6K
R253 100K
C253 10μ35
C210 0.047
C209 220μ10
C211 5600P
R206 100K
R252 100 1/4W
C252 10μ35
C251 10μ35
VREF
S' IN
S' OUT
C OUT
IC11
(BOTTOM VIEW)



Q1
Q2,29
Q3,4,42,65
Q5,7,21~23
Q6,8
Q9
Q10
Q11~14,27
Q31~34
Q41
Q47,48
Q101,102,1
Q103,104,1
Q105,106,1
Q108
Q110

IC1,2

D1~4,11,1
D5,6,9,10,
D7,14,31~
51,52,81,8
D8
D13,76,82
D16
D17,30
D18,19
D20
D25
D26,29
D27,28

eter.
stru-

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

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