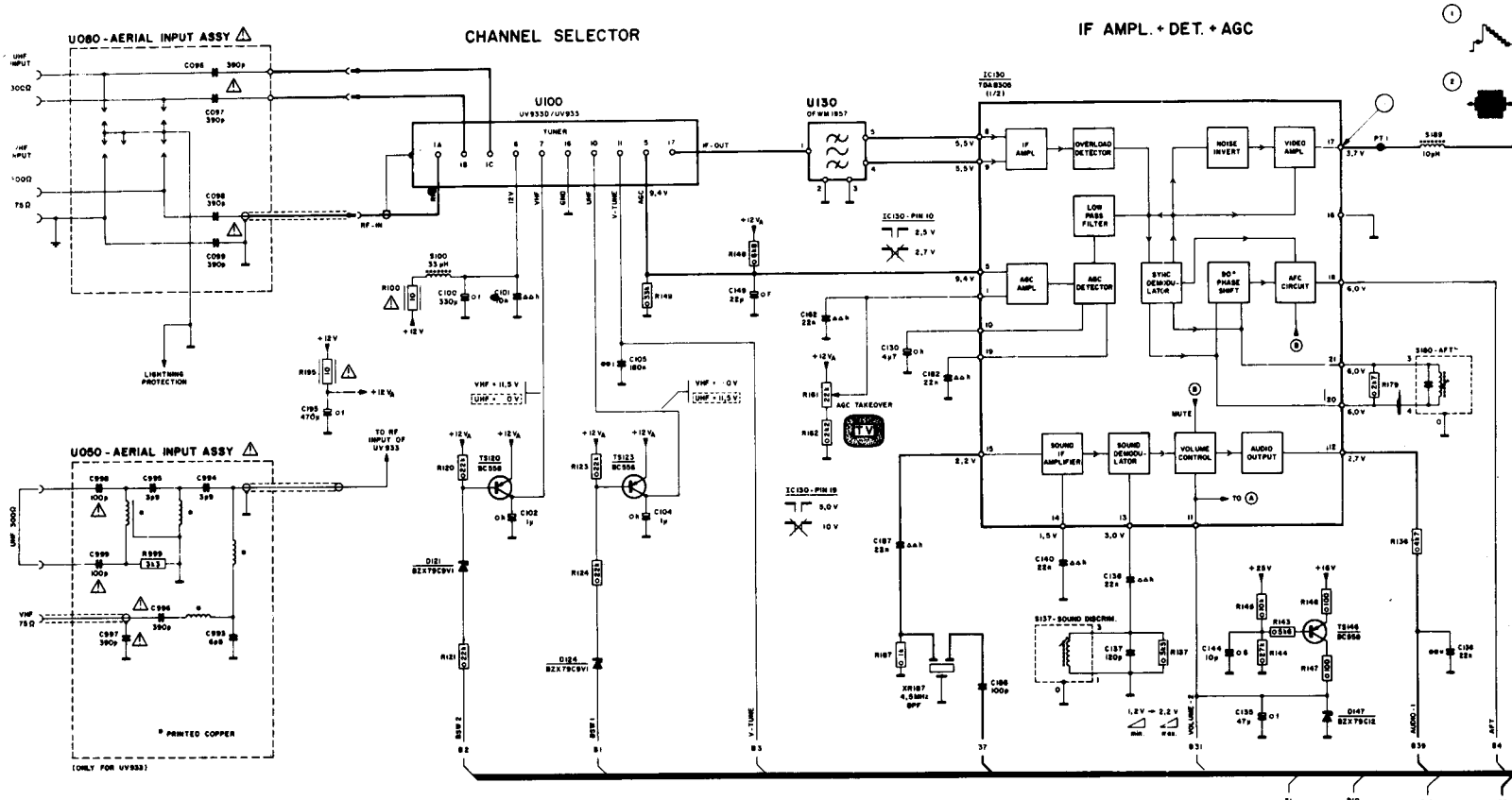
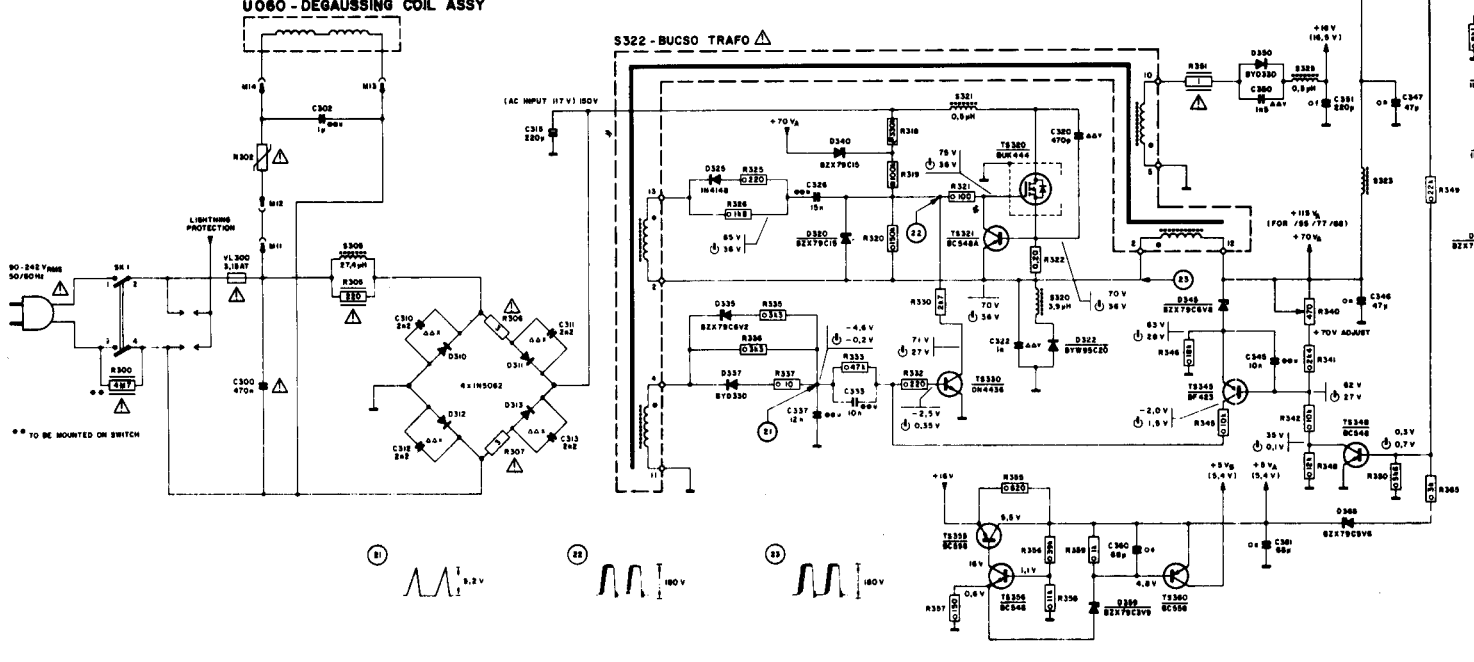
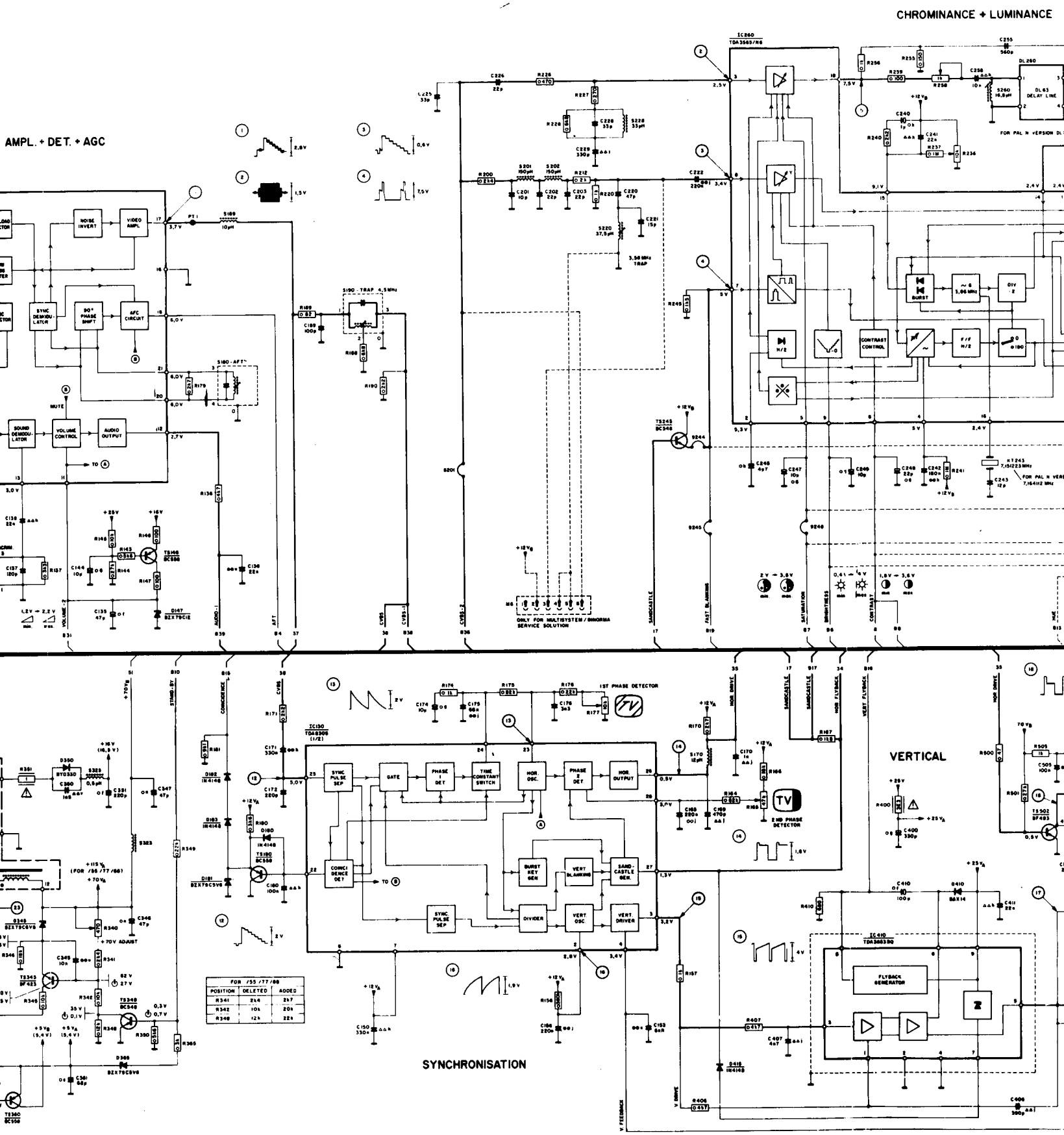
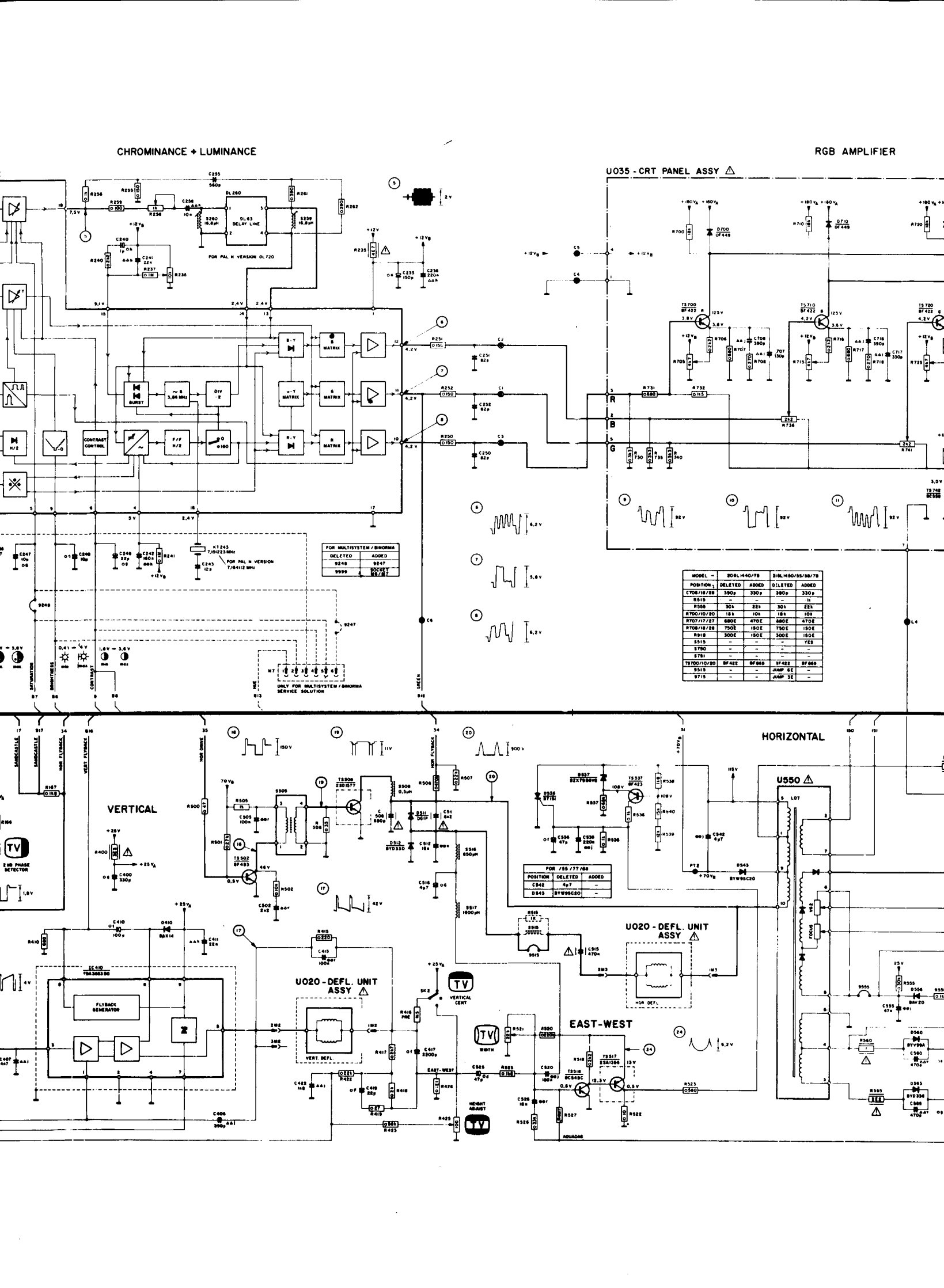
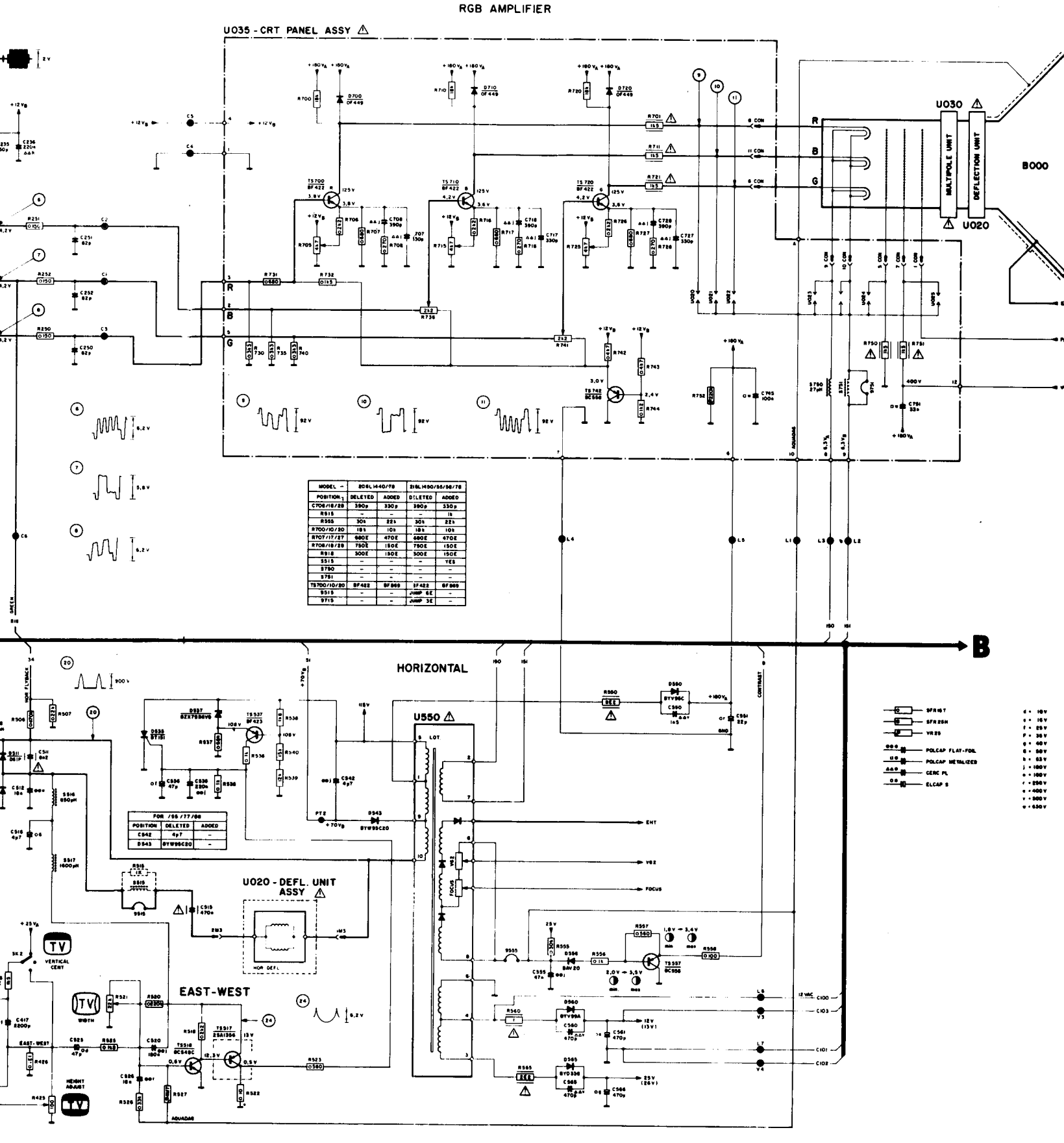
CHASSIS PRINCIPAL





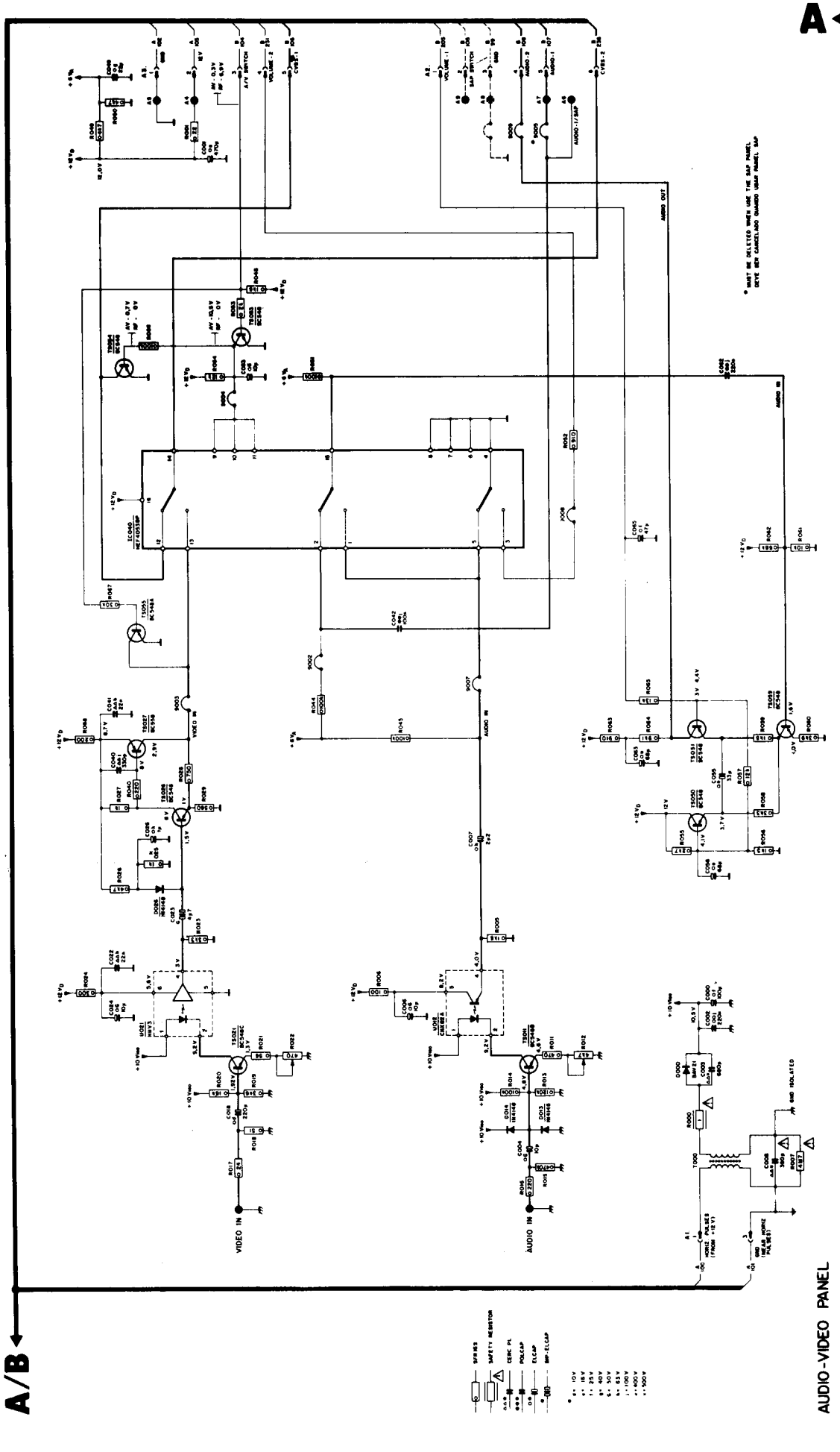

AMPL. + DET. + AGC
CHROMINANCE + LUMINANCE
VERTICAL
SYNCHRONISATION
NOISE INVERT
VIDEO AMPL.
SYNC DEMODULATOR
90° PHASE SHIFT
AFC CIRCUIT
SOUND DEMODULATOR
VOLUME CONTROL
AUDIO OUTPUT
MUTE
S180 - TRAP 4,5 MHz
S180 - AFT
IC260
TDA3563/R6
DL 260
DL 63 DELAY LINE
FOR PAL N VERSION DL
BURST
CONTRAST CONTROL
ONLY FOR MULTISYSTEM / OMNORMA SERVICE SOLUTION
FAST BLANKING
SATURATION
BRIGHTNESS
CONTRAST
HUE
IC190
TDA8306 (1/2)
SYNC. PULSE SEP.
GATE
PHASE 1 DET.
TIME CONSTANT SWITCH
HOR. OSC.
PHASE 2 DET.
HOR. OUTPUT
1ST PHASE DETECTOR
2ND PHASE DETECTOR
BURST KEY GEN.
VERT BLANKING
SAND-CASTLE GEN.
DIVIDER
VERT OSC.
VERT DRIVER
COINCIDENCE DET.
HOR DRIVE
SANDCASTLE
HOR FLYBACK
VERT FLYBACK
IC410
TDA8308
FLYBACK GENERATOR
V DRIVE
V FEEDBACK
70V ADJUST
FOR /55 /77 /88
POSITION | DELETED | ADDED
R341 | 24k | 2k7
R342 | 10k | 20k
R348 | 12k | 22k

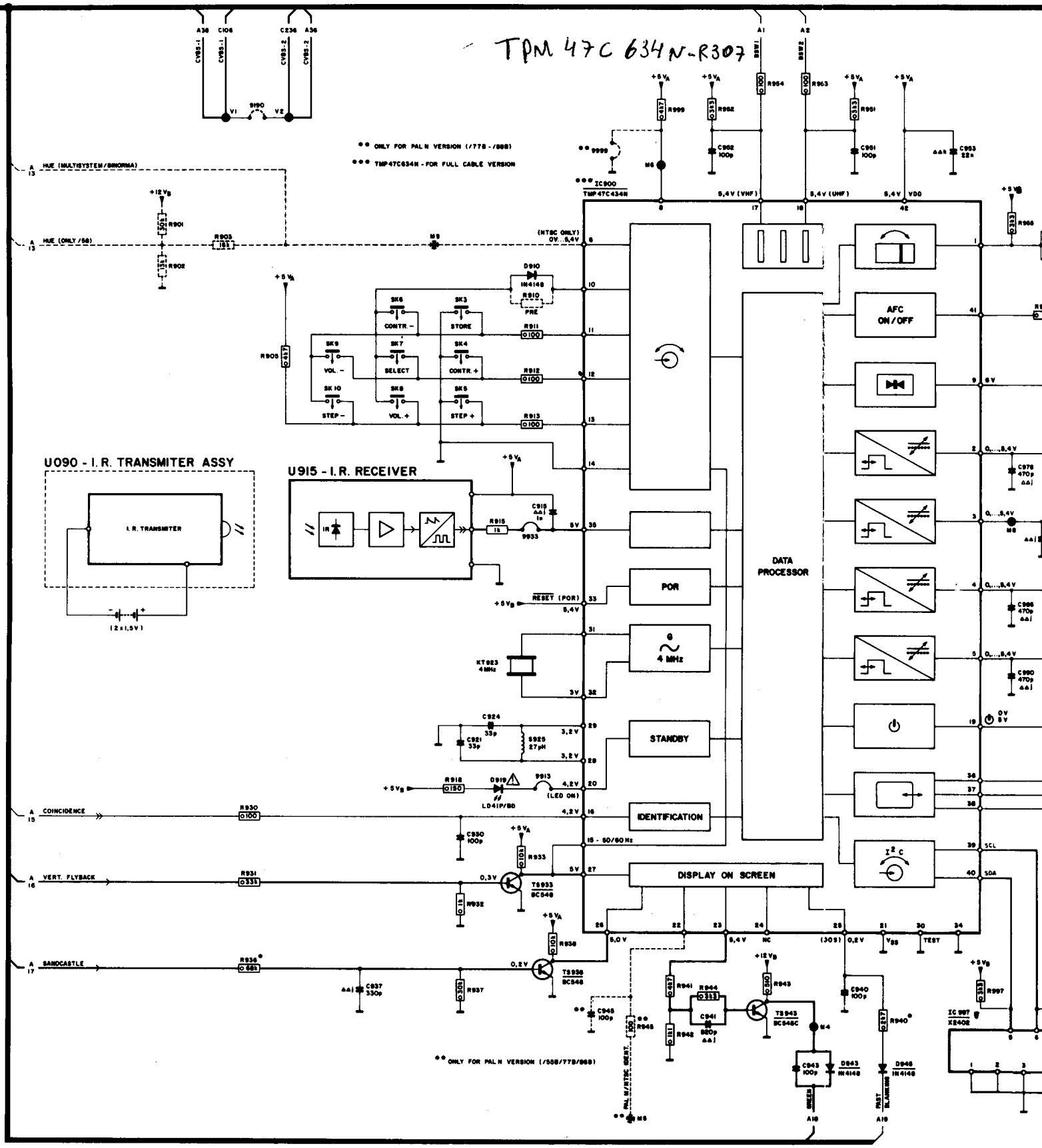

CHROMINANCE + LUMINANCE
RGB AMPLIFIER
U035 - CRT PANEL ASSY
DL 63 DELAY LINE
FOR PAL N VERSION DL720
CONTRAST CONTROL
BURST
B-Y MATRIX
G-Y MATRIX
R-Y MATRIX
R
B
G
FOR MULTISYSTEM / 8MORMA
DELETED
ADDED
9248
9247
9999
SOCKET 5P/5T
FOR PAL N VERSION 7,164112 MHz
ONLY FOR MULTISYSTEM / 8MORMA SERVICE SOLUTION
SATURATION
BRIGHTNESS
CONTRAST
HUE
GREEN
MODEL →
POSITION
C708/18/28
R815
R555
R700/10/20
R707/17/27
R708/18/28
R818
S515
S750
S751
TS700/10/20
9515
9715
VERTICAL
HORIZONTAL
FLYBACK GENERATOR
VERT. DEFL.
HOR DEFL.
U020 - DEFL. UNIT ASSY
U550
EAST-WEST
VERTICAL CENT
WIDTH
HEIGHT ADJUST
FOR /55/77/88
DELETED
ADDED
D542
D543
BYW95C20
HOR FLYBACK
VERT FLYBACK
HOR DRIVE
SANDCASTLE
2 MD PHASE DETECTOR



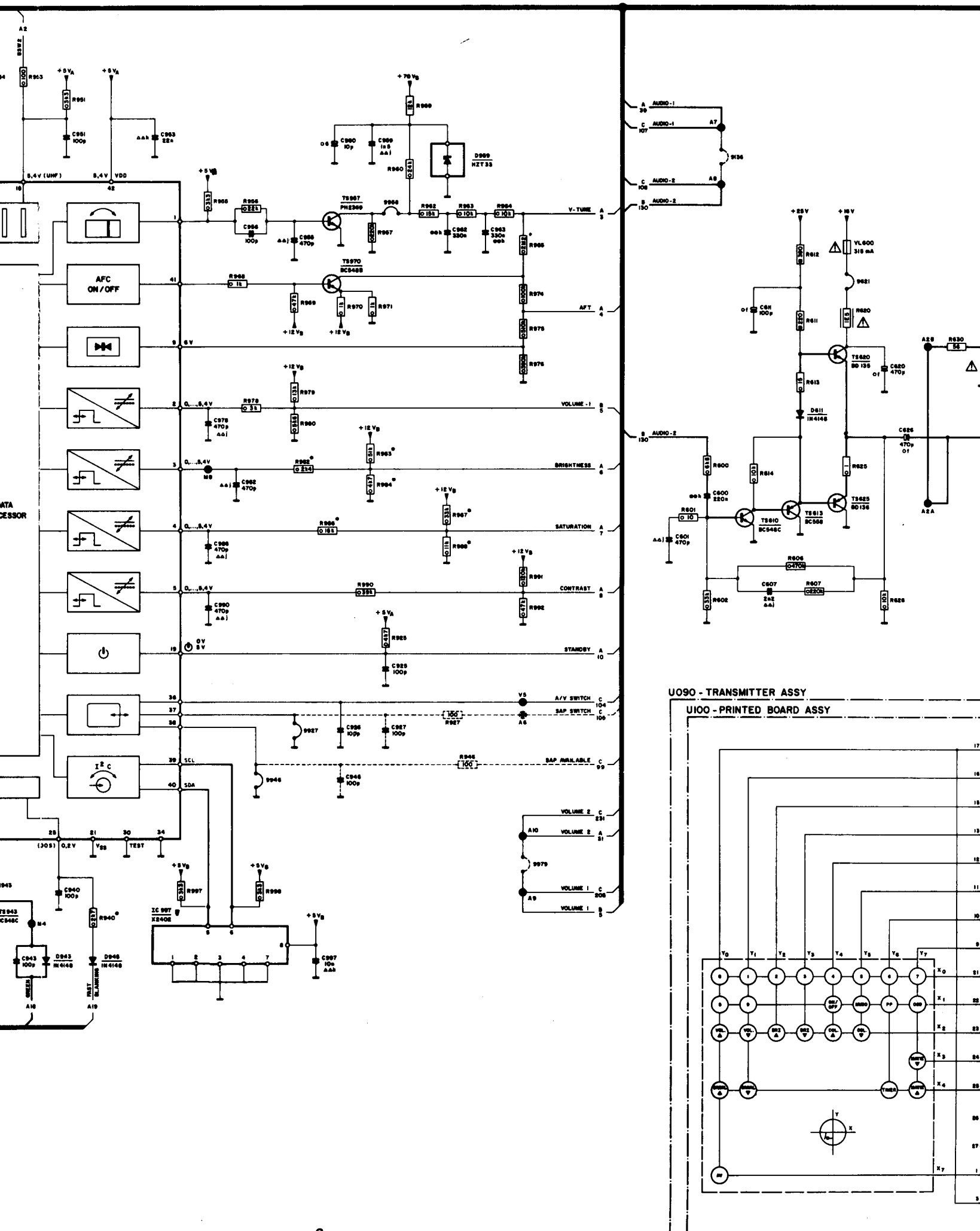
MODEL →	206L1440/78		216L1450/55/56/78	
POSITION ↓	DELETED	ADDED	DELETED	ADDED
C708/18/28	390p	330p	390p	330p
R515	–	–	–	1k
R555	30k	22k	30k	22k
R700/10/20	18k	10k	18k	10k
R707/17/27	680E	470E	680E	470E
R708/18/28	750E	150E	750E	150E
R918	500E	150E	500E	150E
S515	–	–	–	YES
S750	–	–	–	–
S751	–	–	–	–
TS700/10/20	BF422	BF869	BF422	BF869
9515	–	–	JUMP 6E	–
9715	–	–	JUMP 3E	–

FOR /55/77/78		
POSITION	DELETED	ADDED
C542	4p7	–
D543	BYW95C20	–

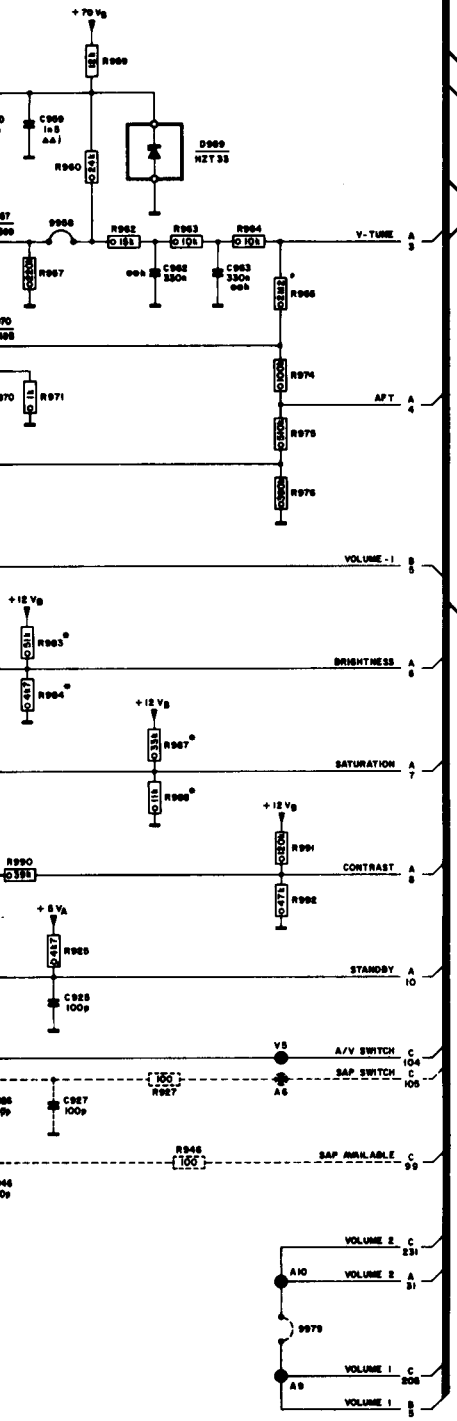

A
C
A/B
U090 - I.R. TRANSMITER
I.R. TRANSMITER
HUE (MULTISYSTEM/SIMORMA)
HUE (ONLY/SB)
COINCIDENCE
VERT. FLYBACK
SANDCASTLE
VIDEO IN
AUDIO IN
AUDIO OUT
AUDIO-VIDEO PANEL

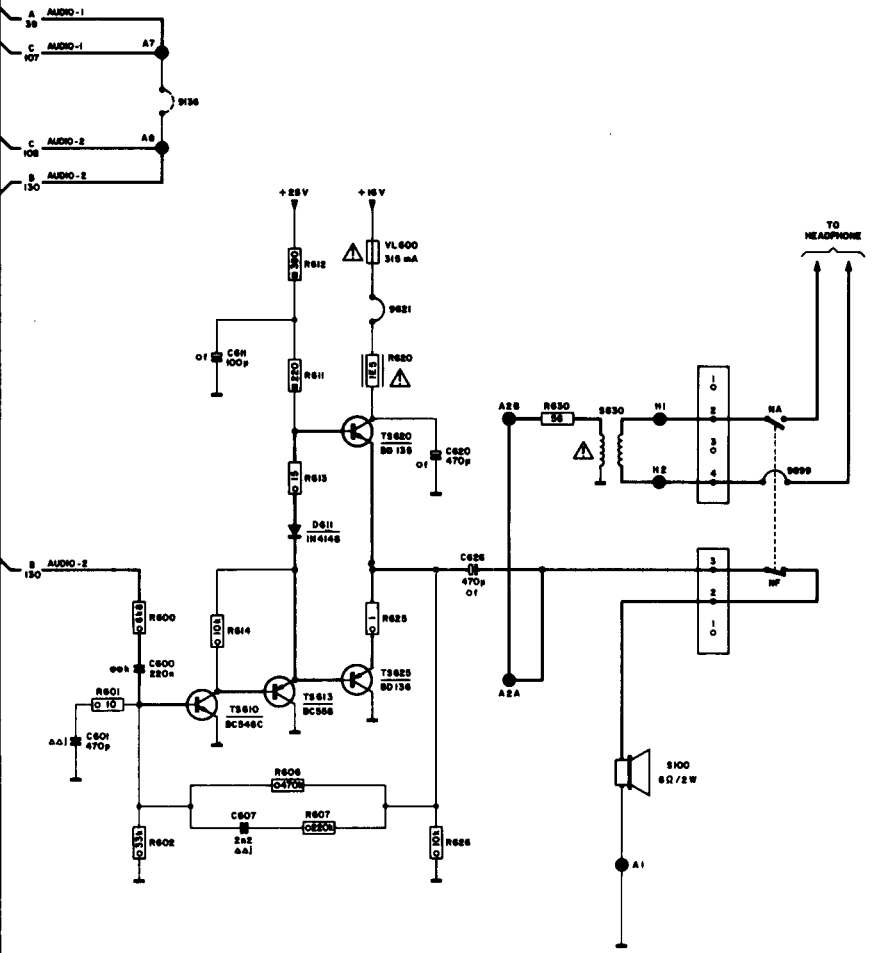

TPM 47C 634N-R307
U090 - I. R. TRANSMITER ASSY
I. R. TRANSMITTER
U915 - I. R. RECEIVER
DATA PROCESSOR
POR
STANDBY
IDENTIFICATION
DISPLAY ON SCREEN
AFC ON / OFF
4 MHz
HUE (MULTISYSTEM/SINORMA)
HUE (ONLY /SE)
COINCIDENCE
VERT. FLYBACK
SANDCASTLE
CONTR. -
STORE
SELECT
CONTR. +
VOL. -
VOL. +
STEP -
STEP +
PRE
RESET (POR)
ONLY FOR PAL N VERSION (/778 - /888)
TMP47C634N - FOR FULL CABLE VERSION
ONLY FOR PAL N VERSION (/558/778/888)

B


AFC ON / OFF
V-TUNE
AFT
VOLUME - 1
BRIGHTNESS
SATURATION
CONTRAST
STANDBY
A/V SWITCH
SAP SWITCH
SAP AVAILABLE
VOLUME 2
VOLUME 1
AUDIO - 1
AUDIO - 2
U090 - TRANSMITTER ASSY
U100 - PRINTED BOARD ASSY

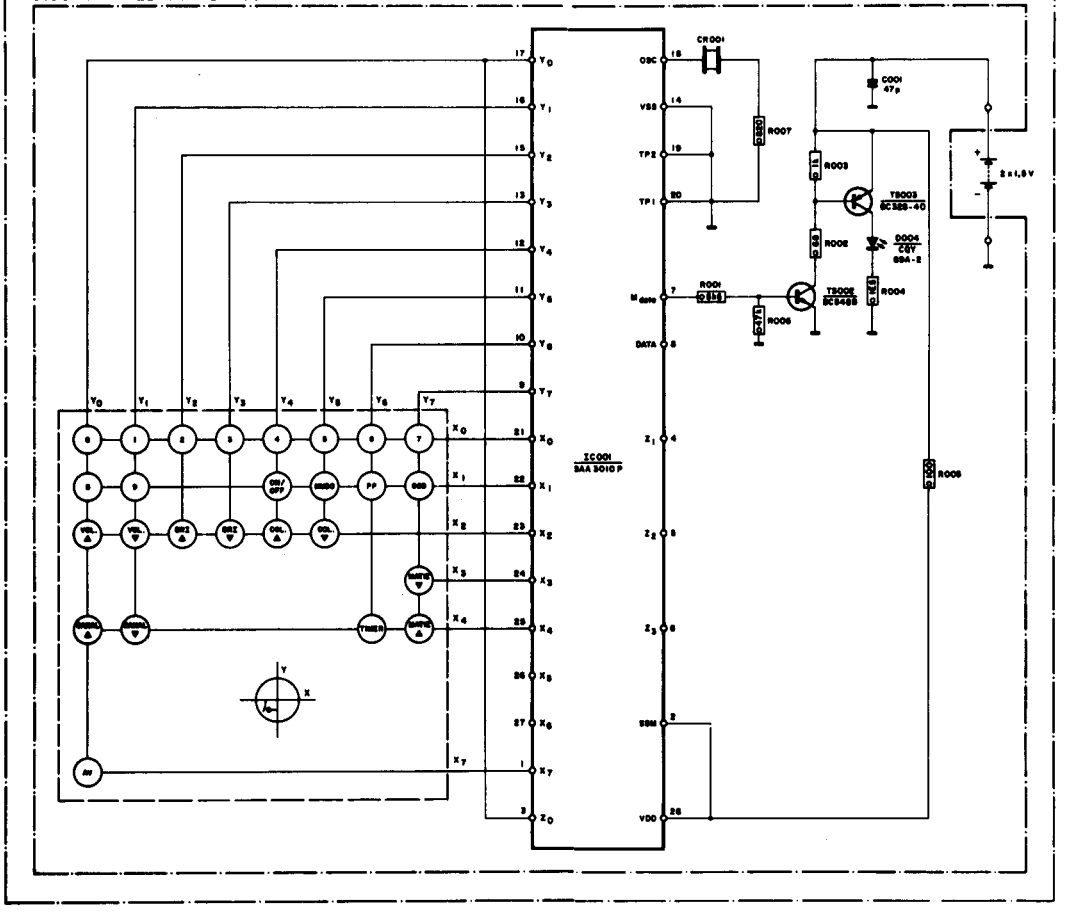
C

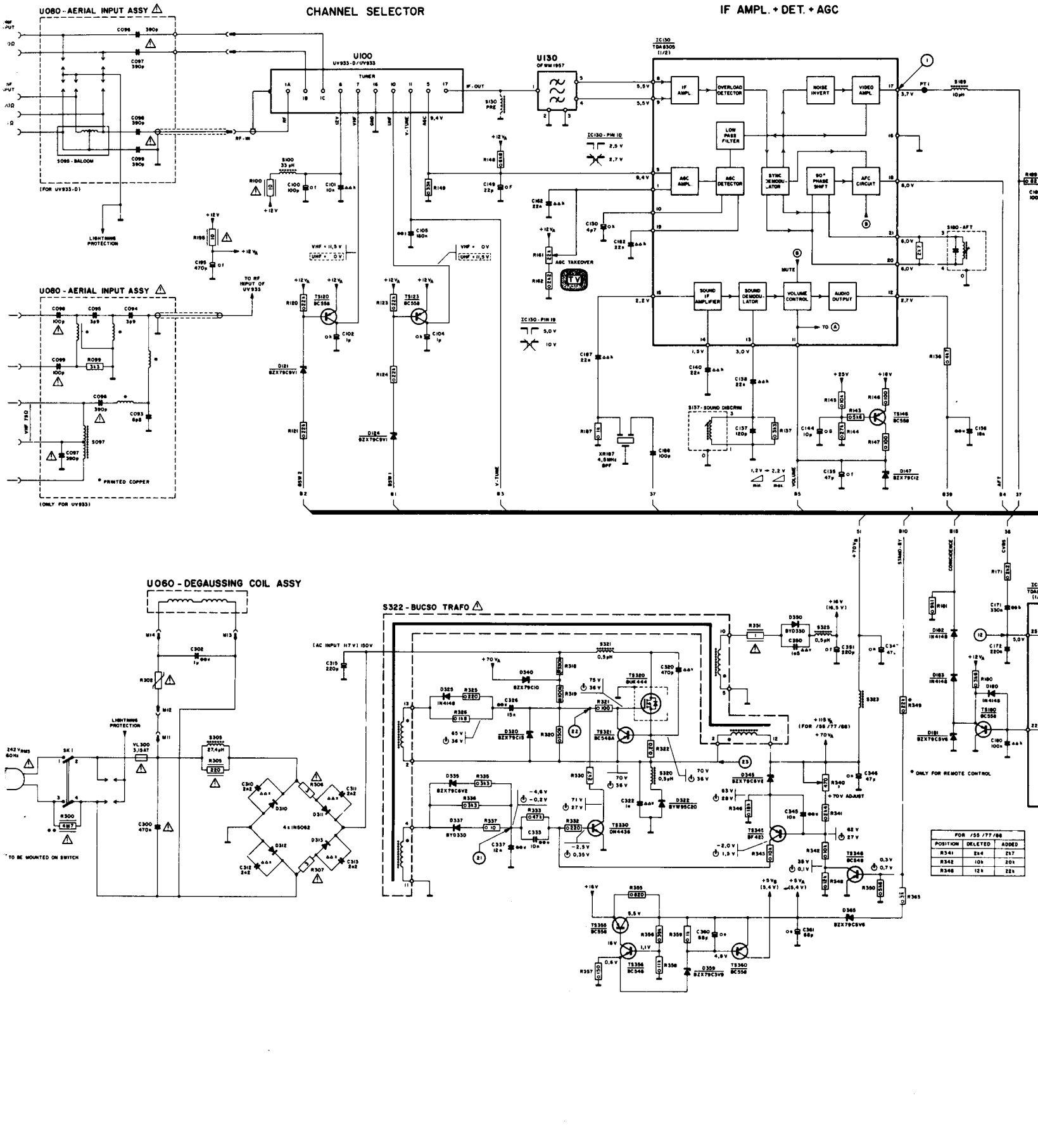


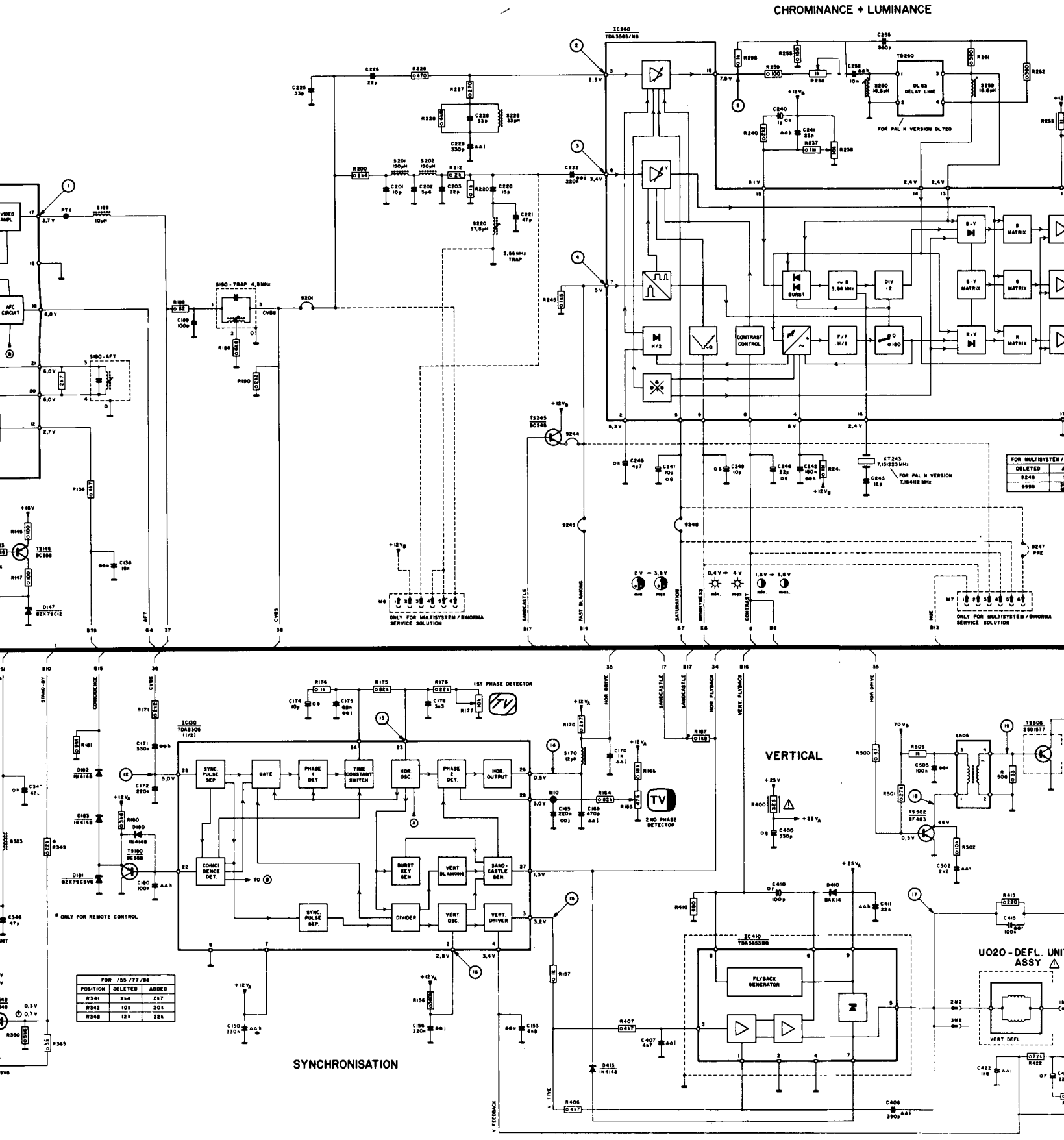


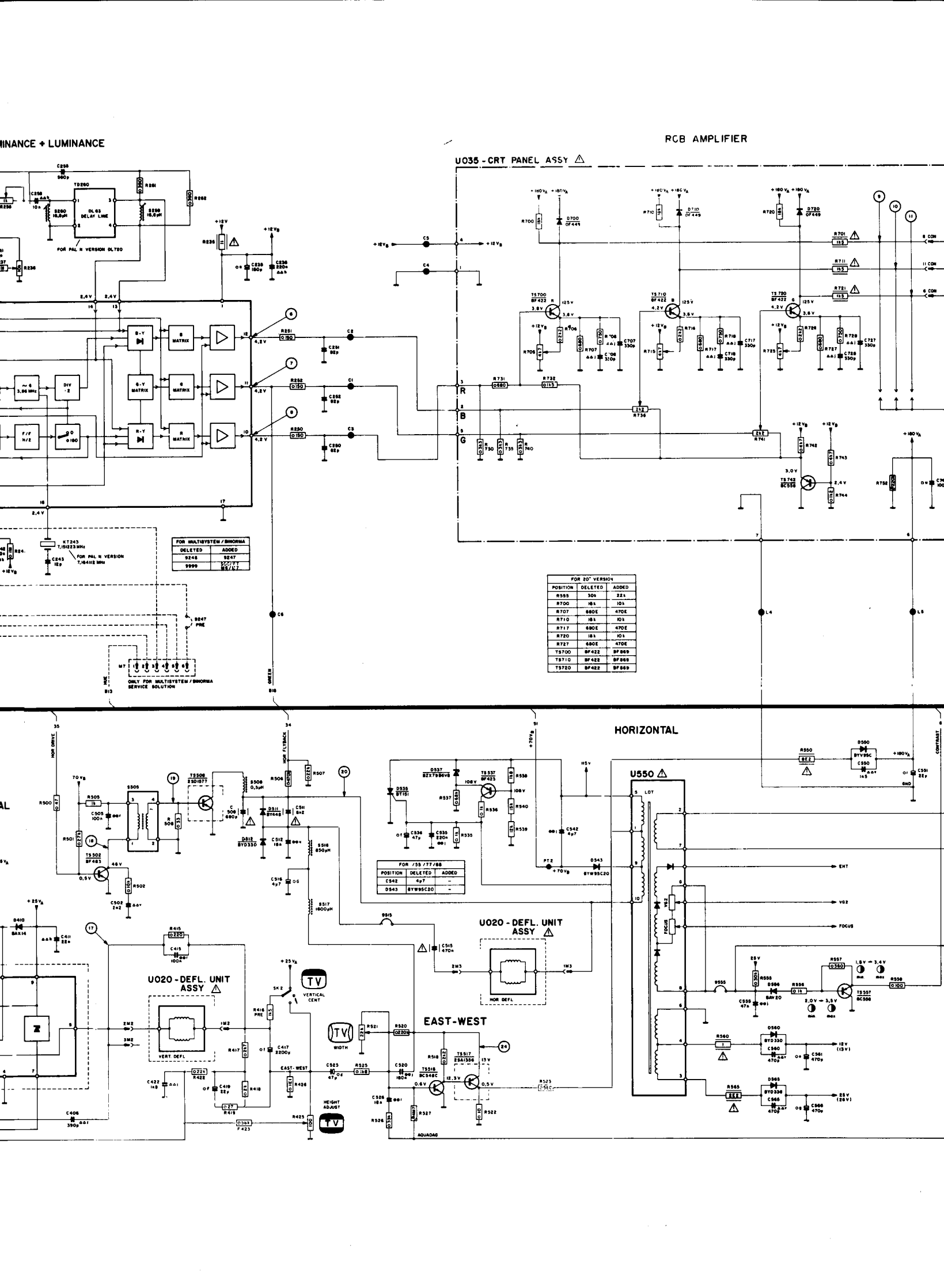
U090 - TRANSMITTER ASSY

U100 - PRINTED BOARD ASSY

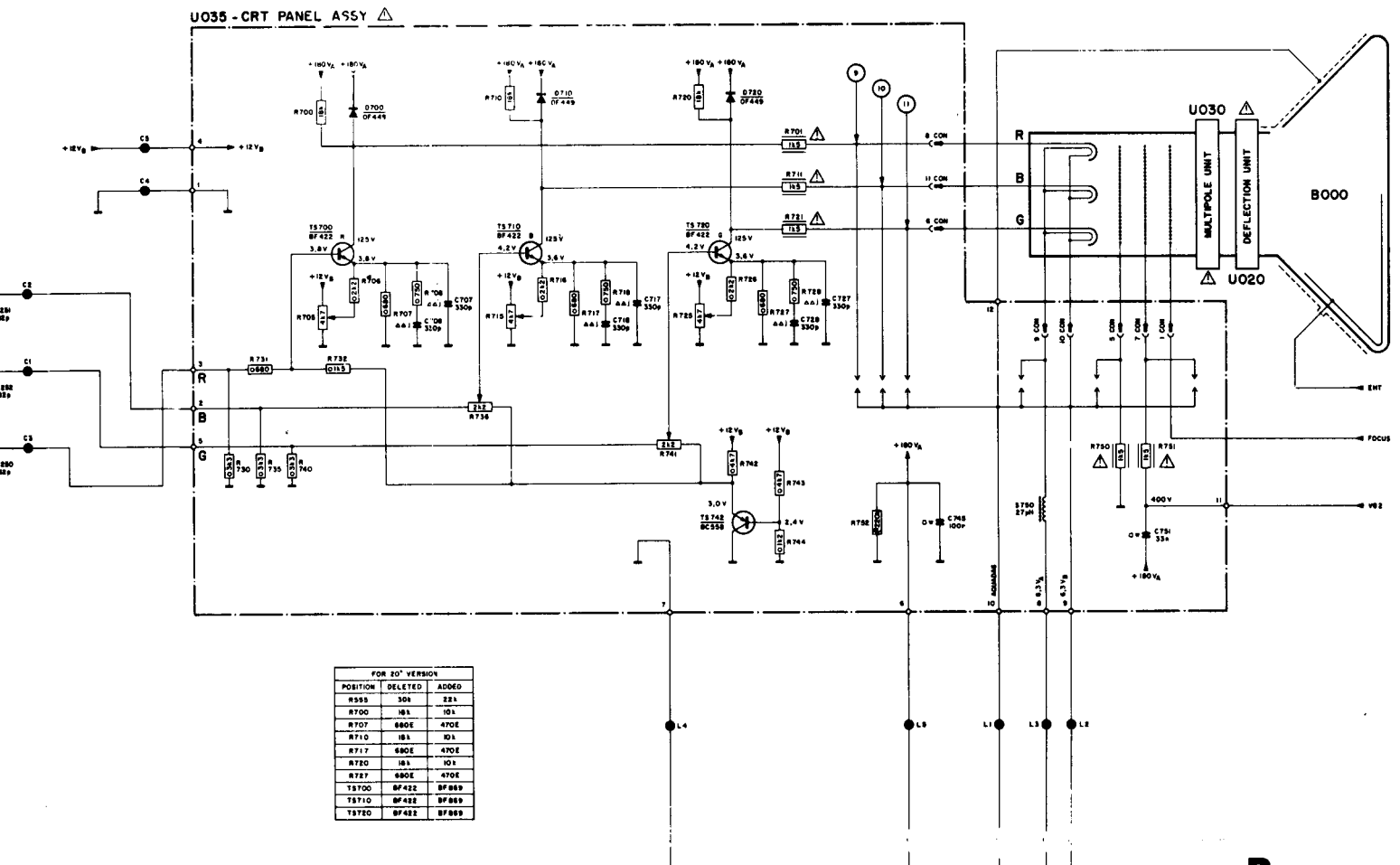



U080 - AERIAL INPUT ASSY
CHANNEL SELECTOR
IF AMPL. + DET. + AGC
U100
UV933-D/UV933
TUNER
U130
OF WM 1957
IC130
TDA 8305
(1/2)
IF AMPL
OVERLOAD DETECTOR
NOISE INVERT
VIDEO AMPL
LOW PASS FILTER
AGC AMPL
AGC DETECTOR
SYNC DEMODULATOR
90° PHASE SHIFT
AFC CIRCUIT
SOUND IF AMPLIFIER
SOUND DEMODULATOR
VOLUME CONTROL
AUDIO OUTPUT
S085 - BALOOM
(FOR UV933-D)
LIGHTNING PROTECTION
AGC TAKEOVER
S180 - AFT
S137 - SOUND DISCRIM
XR187 4.5MHz SMF
TO RF INPUT OF UV933
(ONLY FOR UV933)
* PRINTED COPPER
U060 - DEGAUSSING COIL ASSY
S322 - BUCSO TRAFO
4 x IN5062
* TO BE MOUNTED ON SWITCH
* ONLY FOR REMOTE CONTROL
FOR /55 /77 /88
POSITION
DELETED
ADDED
R341
2k4
2k7
R342
10k
20k
R346
12k
22k

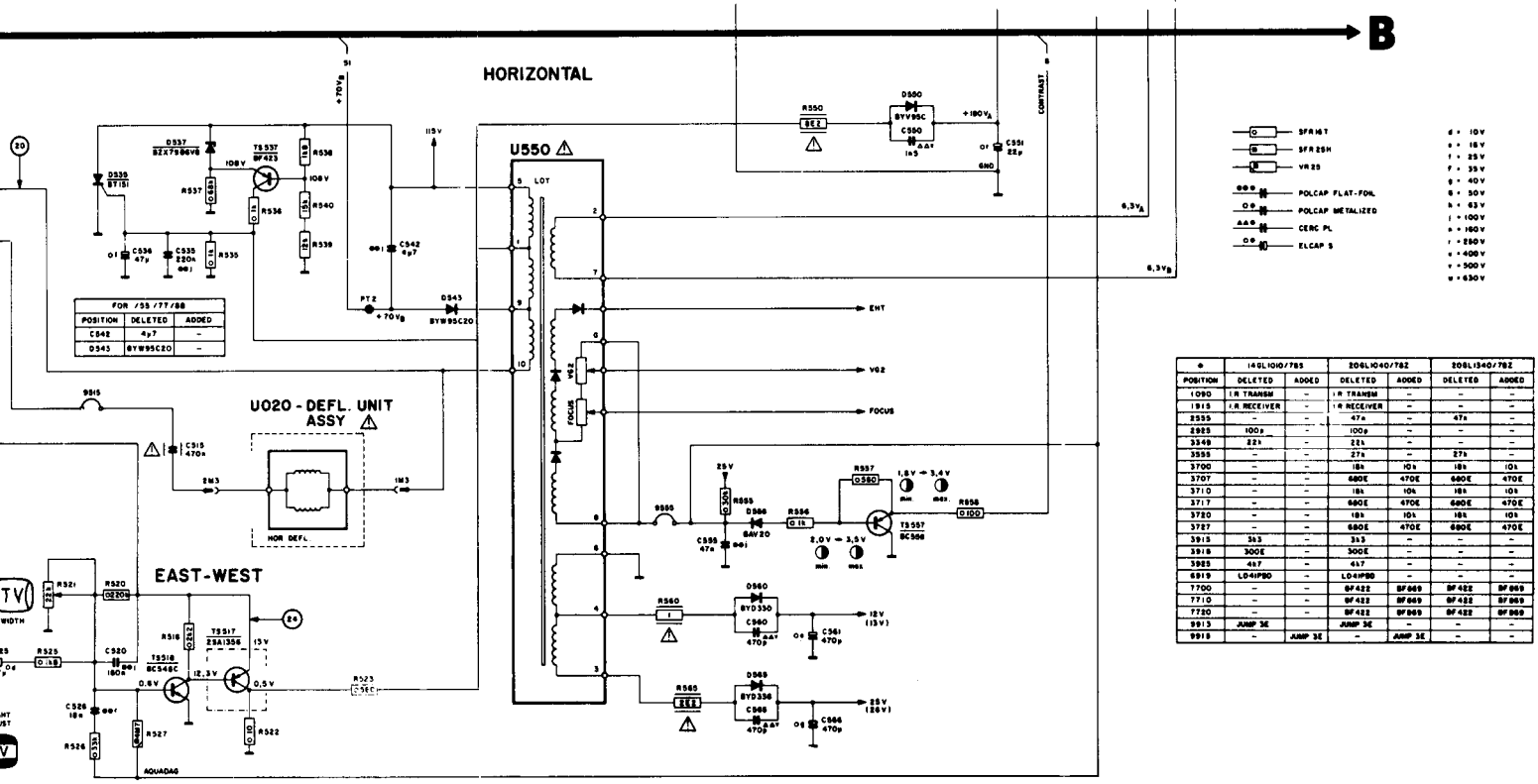

CHROMINANCE + LUMINANCE
IC260
TDA 3565/N6
TD260
DL 63
DELAY LINE
FOR PAL N VERSION DL720
B-Y MATRIX
R-Y MATRIX
BURST
CONTRAST CONTROL
F/F H/2
H/2
DIV ÷2
KT243
7,151223 MHz
FOR PAL N VERSION
7,164112 MHz
S190 - TRAP 4,8 MHz
3,56 MHz TRAP
S180 - AFT
AFC CIRCUIT
CVBS
AFT
SANDCASTLE
FAST BLANKING
SATURATION
BRIGHTNESS
CONTRAST
PRE
ONLY FOR MULTISYSTEM / SINORMA SERVICE SOLUTION
FOR MULTISYSTEM /
DELETED
9246
9999
SYNCHRONISATION
IC130
TDA8306
(1/2)
SYNC. PULSE SEP.
GATE
PHASE 1 DET.
TIME CONSTANT SWITCH
HOR. OSC.
PHASE 2 DET.
HOR. OUTPUT
CONCI DENCE DET.
BURST KEY GEN.
VERT. BLANKING
SAND-CASTLE GEN.
DIVIDER
VERT. OSC.
VERT. DRIVER
1ST PHASE DETECTOR
2ND PHASE DETECTOR
TO (B)
* ONLY FOR REMOTE CONTROL
FOR /55 /77 /88
POSITION
DELETED
ADDED
R341
2k4
2k7
R342
10k
20k
R348
12k
22k
VERTICAL
IC410
TDA3653BG
FLYBACK GENERATOR
U020 - DEFL. UNIT ASSY
VERT. DEFL.
HOR. DRIVE
SANDCASTLE
HOR. FLYBACK
VERT. FLYBACK
V FEEDBACK
V LINE


INANCE + LUMINANCE
RGB AMPLIFIER
U035 - CRT PANEL ASSY
DL 63 DELAY LINE
FOR PAL N VERSION DL720
R-Y
B-Y
G MATRIX
DIV ÷2
F/F H/2
FOR MULTISYSTEM / SIMONINI
DELETED
ADDED
9248
9247
9999
XTAL 7,164223 MHz
FOR PAL N VERSION 7,164112 MHz
9247 PRE
ONLY FOR MULTISYSTEM / SIMONINI SERVICE SOLUTION
FOR 20" VERSION
POSITION
DELETED
ADDED
R555 30k 22k
R700 18k 10k
R707 680E 470E
R710 18k 10k
R717 680E 470E
R720 18k 10k
R727 680E 470E
TS700 BF422 BF869
TS710 BF422 BF869
TS720 BF422 BF869
HORIZONTAL
U550
LOT
EHT
VG2
FOCUS
U020 - DEFL. UNIT ASSY
VERT. DEFL
HOR DEFL
EAST-WEST
VERTICAL CENT
WIDTH
HEIGHT ADJUST
AQUADAG
FOR /55 /77/88
POSITION
DELETED
ADDED
C542 4p7 -
D543 BYW95C20 -
12 V (13 V)
28 V (28 V)

RGB AMPLIFIER



FOR 20" VERSION		
POSITION	DELETED	ADDED
R555	30k	22k
R700	18k	10k
R707	680E	470E
R710	18k	10k
R717	680E	470E
R720	18k	10k
R727	680E	470E
TS700	BF422	BF869
TS710	BF422	BF869
TS720	BF422	BF869

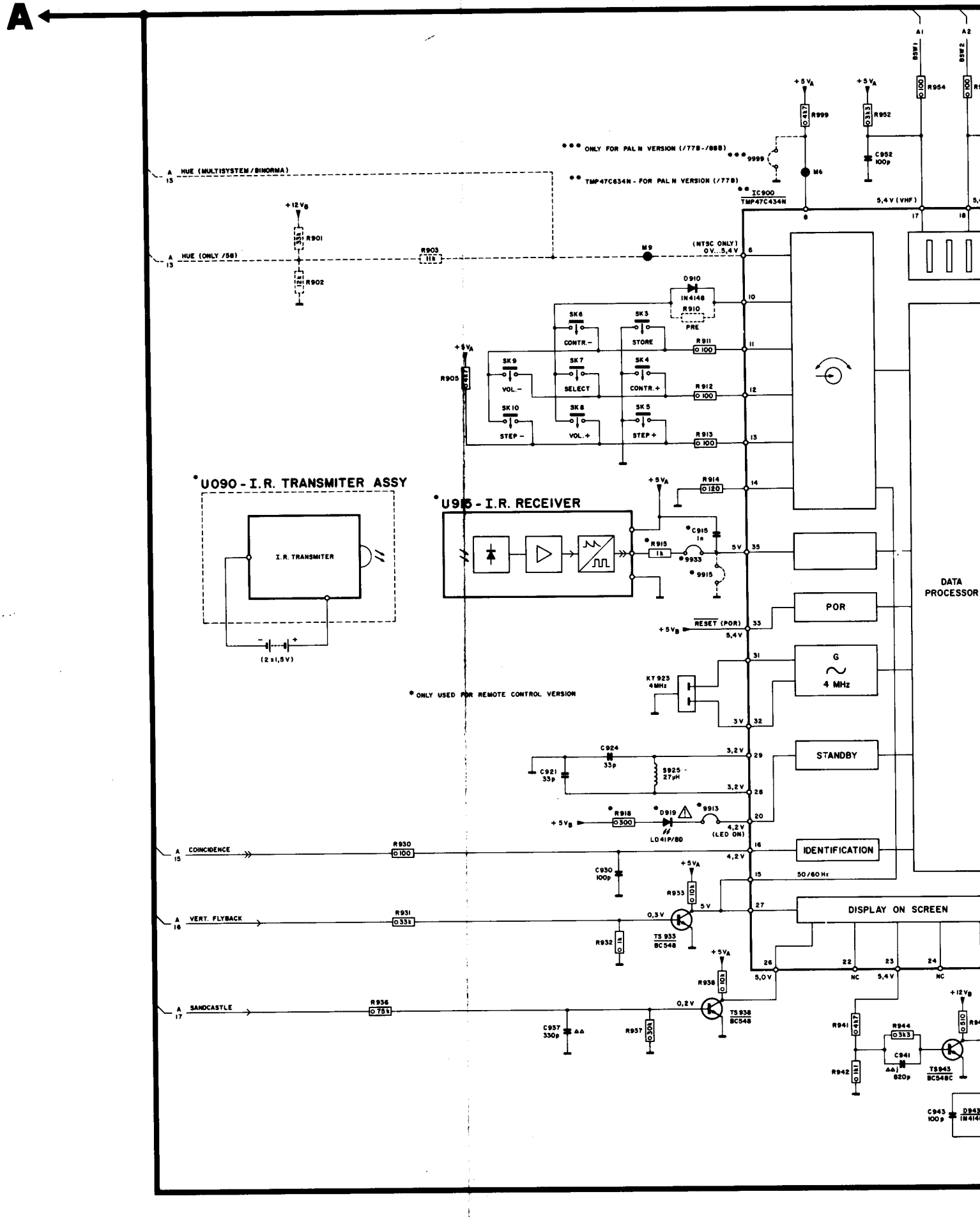


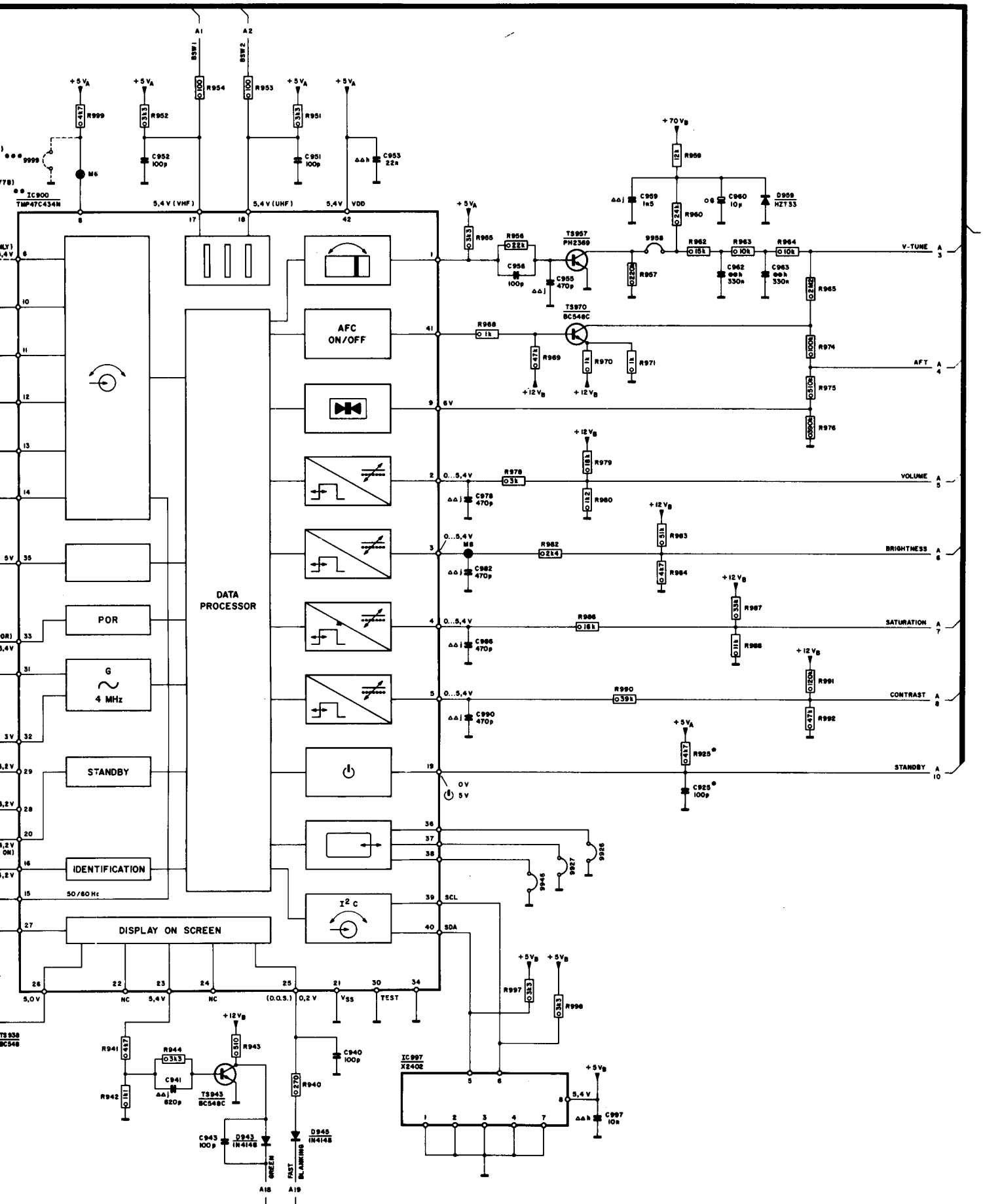
FOR /55 /77 /88		
POSITION	DELETED	ADDED
C542	4µ7	–
D543	BYW95C20	–

SFR16T
SFR25H
VR25
POLCAP FLAT-FOIL
POLCAP METALIZED
CERC PL
ELCAP S

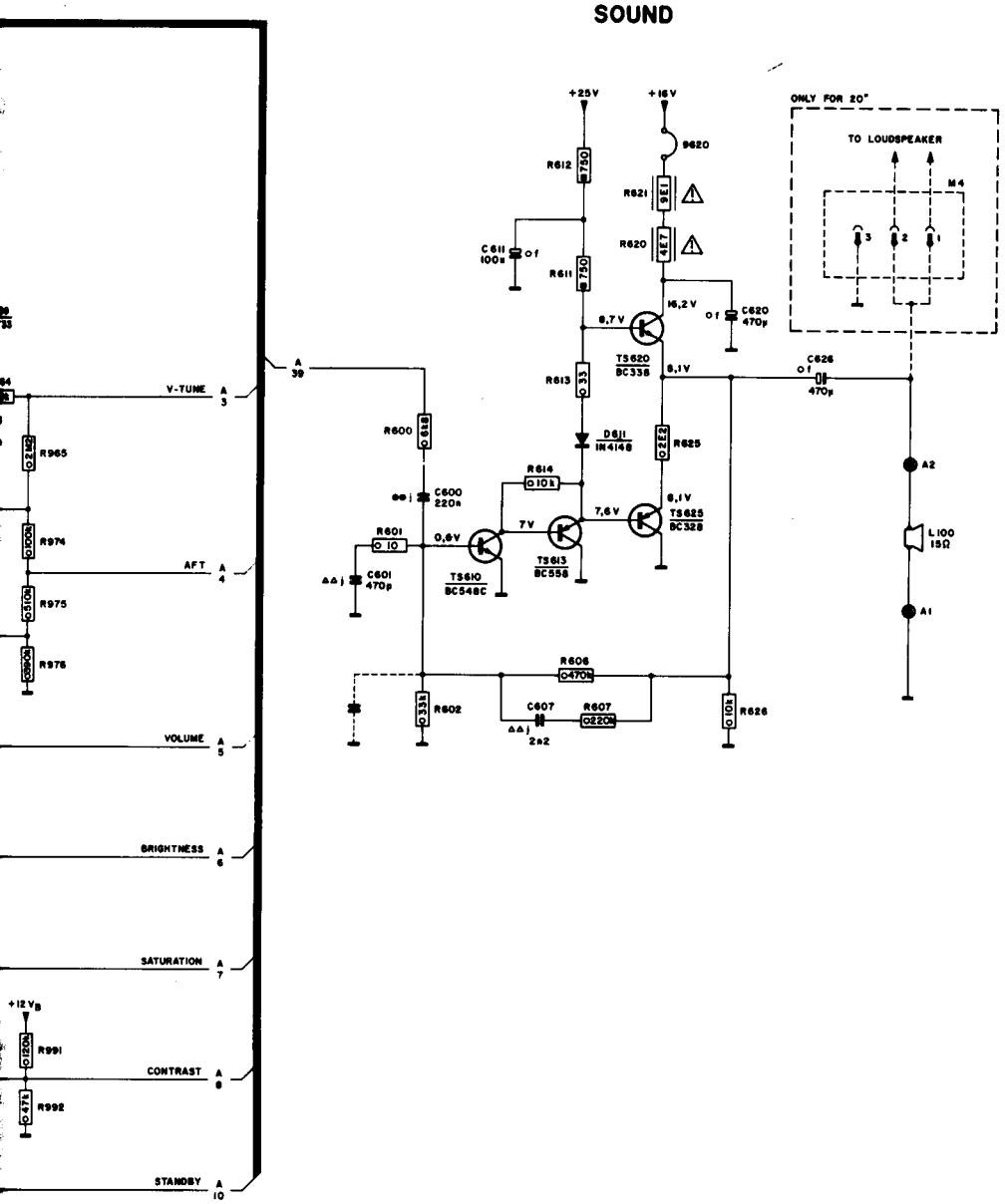
d = 10 V
e = 16 V
f = 25 V
f = 35 V
g = 40 V
h = 50 V
i = 63 V
l = 100 V
n = 160 V
r = 250 V
s = 400 V
v = 500 V
w = 630 V

◆	140L1010/785		20GL1040/782		20GL1340/782	
POSITION	DELETED	ADDED	DELETED	ADDED	DELETED	ADDED
1090	I.R. TRANSM	–	I.R. TRANSM	–	–	–
1915	I.R. RECEIVER	–	I.R. RECEIVER	–	–	–
2555	–	–	47n	–	47n	–
2925	100p	–	100p	–	–	–
3549	22k	–	22k	–	–	–
3555	–	–	27k	–	27k	–
3700	–	–	18k	10k	18k	10k
3707	–	–	680E	470E	680E	470E
3710	–	–	18k	10k	18k	10k
3717	–	–	680E	470E	680E	470E
3720	–	–	18k	10k	18k	10k
3727	–	–	680E	470E	680E	470E
3915	3k3	–	3k3	–	–	–
3918	300E	–	300E	–	–	–
3925	4k7	–	4k7	–	–	–
6919	LO4HP80	–	LO4HP80	–	–	–
7700	–	–	BF422	BF869	BF422	BF869
7710	–	–	BF422	BF869	BF422	BF869
7720	–	–	BF422	BF869	BF422	BF869
9913	JUMP 3E		JUMP 3E	–	–	–
9918	–	JUMP 3E	–	JUMP 3E	–	–


A
HUE (MULTISYSTEM / BINORMA)
HUE (ONLY /58)
+12V B
R901
R902
R903
M9
*** ONLY FOR PAL N VERSION (/77B-/88B)
*** 9999
M6
** TMP47C634N - FOR PAL N VERSION (/77B)
** IC900
TMP47C434N
+5V A
R999
R952
R954
C952
100p
5,4 V (VHF)
(NTSC ONLY)
0V...5,4V
D910
IN4148
R910
PRE
SK6
CONTR.-
SK3
STORE
SK9
VOL.-
SK7
SELECT
SK4
CONTR.+
SK10
STEP-
SK8
VOL.+
SK5
STEP+
R911
R912
R913
R905
R914
*U090 - I.R. TRANSMITER ASSY
I.R. TRANSMITER
(2 x 1,5V)
*U985 - I.R. RECEIVER
*C915
1n
*R915
1k
*9933
*9915
5V
RESET (POR)
5,4V
POR
DATA PROCESSOR
KT 923
4MHz
G
4 MHz
* ONLY USED FOR REMOTE CONTROL VERSION
3V
3,2V
C924
33p
C921
33p
S925 - 27µH
STANDBY
*R918
300
*D919
LD41P/BD
*9913
4,2V
(LED ON)
IDENTIFICATION
COINCIDENCE
R930
100
C930
100p
50/60 Hz
R933
10k
VERT. FLYBACK
R931
33k
0,3V
TS 933
BC548
R932
1k
DISPLAY ON SCREEN
R938
10k
SANDCASTLE
R936
75k
0,2V
TS 938
BC548
C937
330p
R937
300
NC
5,4V
5,0V
R941
4k7
R942
1k1
R944
3k3
C941
820p
TS943
BC548C
+12V B
C943
100p


DATA PROCESSOR
POR
G
4 MHz
STANDBY
IDENTIFICATION
50/60 Hz
DISPLAY ON SCREEN
AFC ON/OFF
I² C
V-TUNE
AFT
VOLUME
BRIGHTNESS
SATURATION
CONTRAST
STANDBY
SCL
SDA
TEST
IC900 TMP47C434N
IC997 X2402
TS957 PN2369
TS970 BC548C
TS943 BC548C
D959 HZT33
D943 IN4148
D945 IN4148
GREEN
FAST BLANKING
5,4 V (VHF)
5,4 V (UHF)
5,4 V VDD
+5 V_A
+12 V_B
+5 V_B
+70 V_B

SOUND


V-TUNE
A 3
R965
0,22
R974
0,100
AFT
A 4
R975
0,510
R976
0,390
VOLUME
A 5
BRIGHTNESS
A 6
SATURATION
A 7
+12 VB
R991
0,150
CONTRAST
A 8
R992
0,47
STANDBY
A 10
A 39
+25V
+16V
R612
0,750
R621
9E1
R620
4E7
C611
100n
of
R611
0,750
9620
16,2 V
8,7 V
C620
470p
TS620
BC338
8,1V
C626
of
470p
R613
0,33
D611
IN4148
R625
0,22
R600
0,68
C600
220n
R614
0,10k
R601
0,10
0,6V
7V
7,6V
8,1V
TS625
BC328
C601
470p
TS610
BC548C
TS613
BC558
R606
0,470
R602
0,33k
C607
2n2
R607
0,220
R626
0,10k
ONLY FOR 20"
TO LOUDSPEAKER
M4
3
2
1
A2
L100
15Ω
A1