

General Information

1995

Chassis: EE3

CRT: A51AEL155X01

Remote Control:

290P054070

Door Flap - TV: 752C603020

Door Flap - Sat: 752C603010

Door Catch: 761C550010

Main Power Button:

754C600010

Matrix

Item	See Model
Safety Precautions	Mitsubishi CT-14MS1
Service Adjustments	Mitsubishi CT-21AV1B
Text Diagram	Mitsubishi CT-28AV1B

Specifications

Reception System:	CCIR-I PAL
Reception Frequency:	UHF 470MHz -862MHz (all models) VHF 47 - 170MHz (VB1), 170 - 448MHz (VB2) (LS model only)
Mains Input:	AC 230V 50Hz
Power Consumption:	110W (21AV1BS) 124W (25AV1BS, 25AV1LS)
Aerial Input:	75 ohm
Intermediate Frequency:	Video: 39.5MHz Sound: 33.5MHz
Audio Output (music power)	12W x 12W
Speaker:	2 x (10cm dia x 4cm dia)

Recommended Safety Parts

Item	Part No.	Description
	255P801010	CRT A5155X01 (21BS)
	255P914030	CRT A59EAK71X11 (25BS, 25LS)
	409P564040	Degaussing Coil (25BS, 25LS)
	409P564060	Degaussing Coil CT-21M5 AV1 (21BS)
	920A416016	ASSY-PCB-Main later models (21BS)
	920A425011	ASSY-PCB-Main later models (25BS)
	920A425012	ASSY-PCB-Main later models (25LS)
	H92D001001	ASSY-PCB-Main early models (21BS)
	H92D001003	ASSY-PCB-Main early models (25BS)
	H92D001004	ASSY-PCB-Main early models (25LS)
	930C899006	ASSY-PCB-VM CRT (21BS)
	930C899007	ASSY-PCB-VM CRT (25BS, 25LS)
	930C900001	ASSY-PCB-Power-Sub
	930C901001	ASSY-PCB-LED
	930C902010	ASSY-PCB-V CRYPT
	930C903020	ASSY-PCB-SAT early models
	930C903040	ASSY-PCB-SAT later models
	930C909001	ASSY-PCB-Text
	930C910004	ASSY-PCB-Sound
	246C162010	AC-Power Cord UK-Plug
	700C600070	ASSY Back-Cover (25BS)
	700C601010	ASSY Back-Cover (25LS)
	700C606080	ASSY Back-Cover (21BS)
C981	189P091010	C-Ceramic-AC AC400V E4700pF-M
C991	189P117030	C-M-Polyester-AC AC275V 0.22uF-M

Service Adjustments

Initialising the EEPROM

If you have replaced the EEPROM (IC702) or if for any reason the adjustment data has become corrupted it will be necessary to initialise the EEPROM.

- 1: If necessary, switch off by the Main switch.
- 2: Hold the service switch (S701, next to the aerial socket) while switching on by the Main switch.
- 3: Release the service switch after 3 seconds.
- 4: Switch off by the Main switch. The EEPROM data values have now all been reset to their initial default values as shown in table 2.2C
- 5: Switch on by Main switch. Press the service switch and then button "9" within 5 seconds to enter service mode.
- 6: Press the QUAS button to select the OPTIONS adjustment display.
- 7: Press buttons "2" or "8" on the remote control to select the adjustment code.
- 8: Adjust data value for each code using buttons "2" or "4" on the remote control according to the table below:

(Other adjustment codes will be displayed but need not be changed on these models).

Code	21/25AV1BS	25AV1LS
TUN	0	1
SAT	1	1

AUD	10	10
ATS	1	1
STD	1	1
SYS	2	2
AVI	2	2
SPK	0	0
ABG	02	02
Code	21/25AV1BS	25AV1LS
AI	02	02
AL	00	00
ADK	15	15
MNP	70	70
FFT	1	1

Data values for the OPTIONS adjustments.

- 9: Press the "0" button to write the changes to the EEPROM.
- 10: Press the QUAS button to select the VCJ adjustment display.
- 11: Press buttons "2" or "8" on the remote control to select the adjustment code.
- 12: Adjust the data value of each code using buttons "2" or "4" on the remote control according to the table below.

(Other adjustment codes will be displayed but need not be changed on these models).

CODE	21AV1BS	25AV1BS/LS
07	-7	-7
11	001	001
12	111	111
19	-1	-3
1B	-13	-11
1C	00	-2

Data values for the VCJ adjustments.

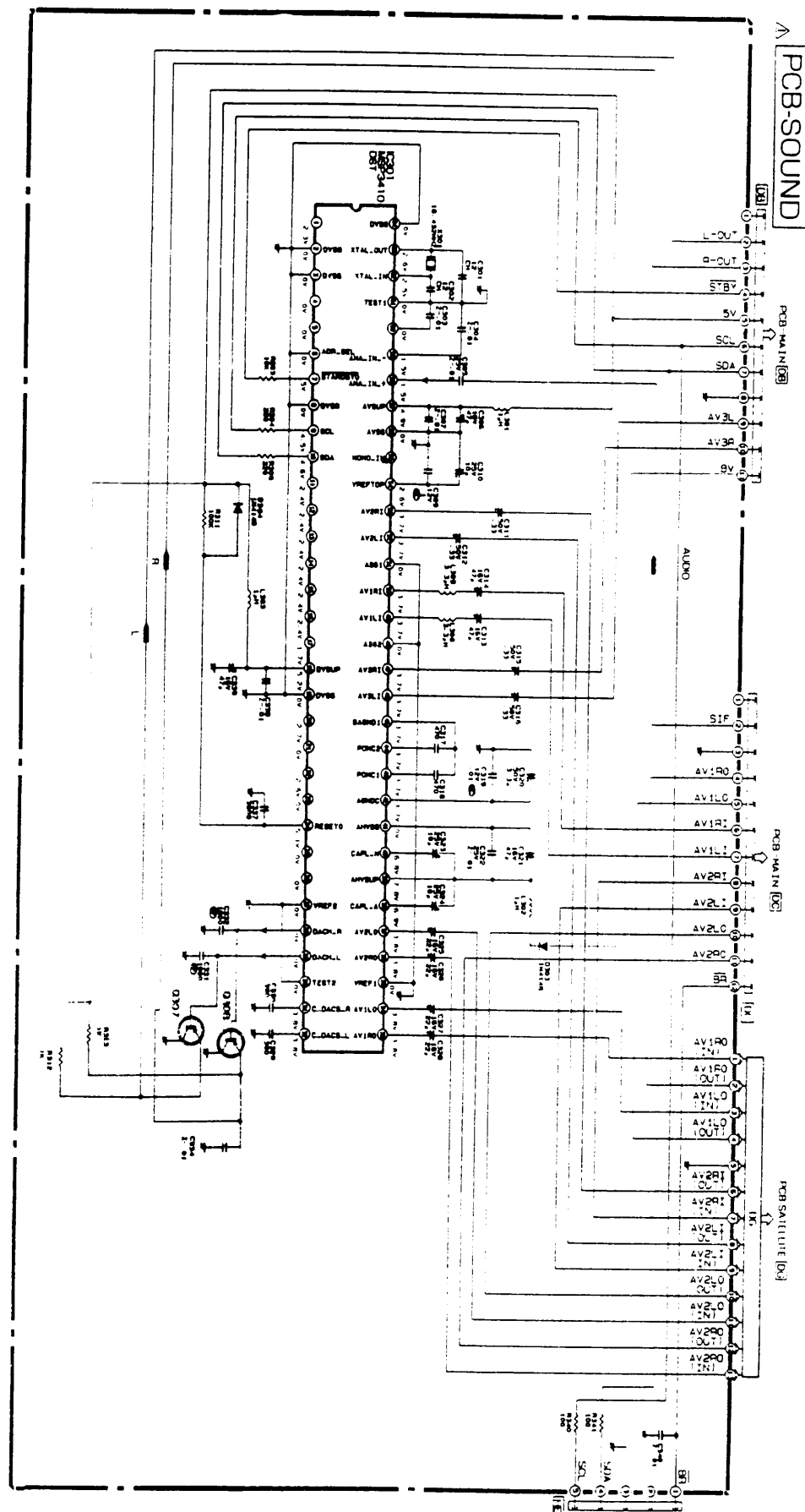
- 13: Press the "0" button to write the changes to the EEPROM.

EEPROM Default Data Values

CODE	FUNCTION	DATA VALUE
00	V-Amp	-16
01	V-Correct	-31
02	P-Amp	+05
03	Tilt	-12
04	V-Lin	+23
05	C-Correct	-09
06	H-Amp	-22
07	16x9-SW RGB-Matrix	-7
08	V-Shift	+02
09	H-Phase	+10
0A	B-Drive	+01
0B	G-Drive	+01
0C	R-Drive	+01
0D	Contrast	+14
0E	Colour-Sat	+10
10	NTSC-Tint	00
11	Sharp	111
12	PAL-Luma-Delay	111
13	Secam-Luma-Delay	111
14	V-Amp-60	00
15	P-Amp	00
16	H-Amp-60	00
17	V-Shift-60	00
18	H-Phase-60	00
19	H-Phase-Text	00
1A	H-Phase-Secam	00
1B	H-Phase-RGB	00
1C	P-Amp-16.9	00
1D	358NTSC-Luma-Delay	111
1E	443NTSC-Luma-Delay	111

ITEM	DESCRIPTION	DATA VALUE
TUN	Tuner Type	0
SAT	Satellite Enable	0
AUD	Audio System	0
ATS	Auto Tuning Sort	0
STD	Reception Standard	0
SYS	Colour System	0
AV1	No. of AV Inputs	0
AVD	AV Dubbing	-
EEEX	Chassis Type	-
SPK	Speaker SW Enabled	1
EEP	EEPROM Size	-
TXT	Teletext Type	-
FFT	Fast Top Text	0

Sound Diagram

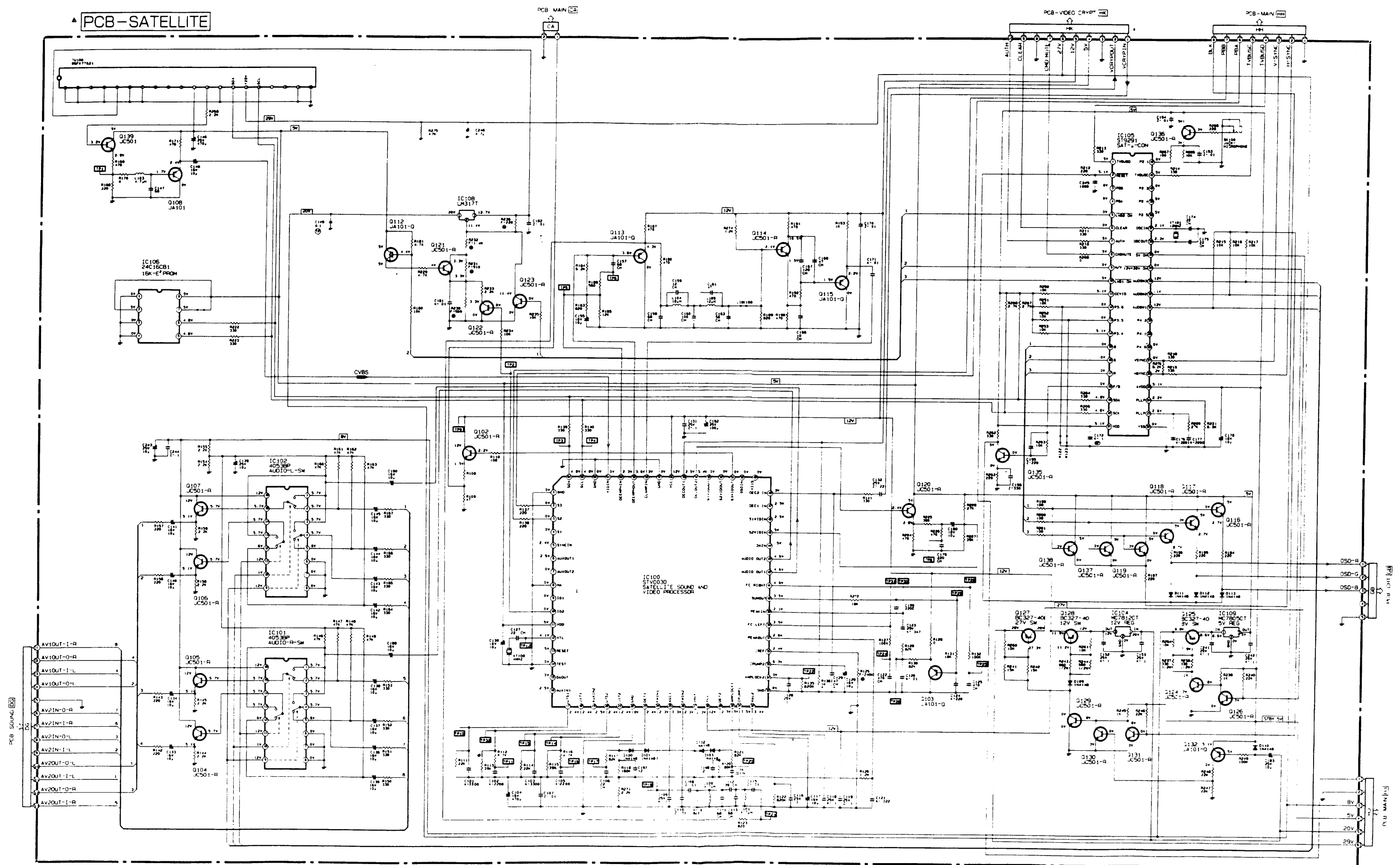


Recommended Safety Parts

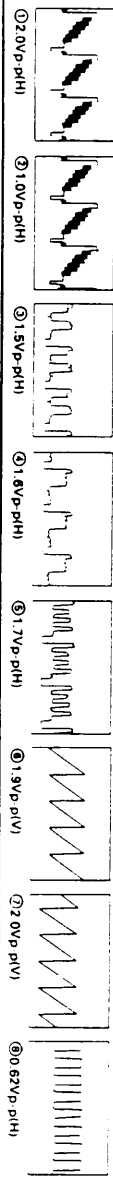
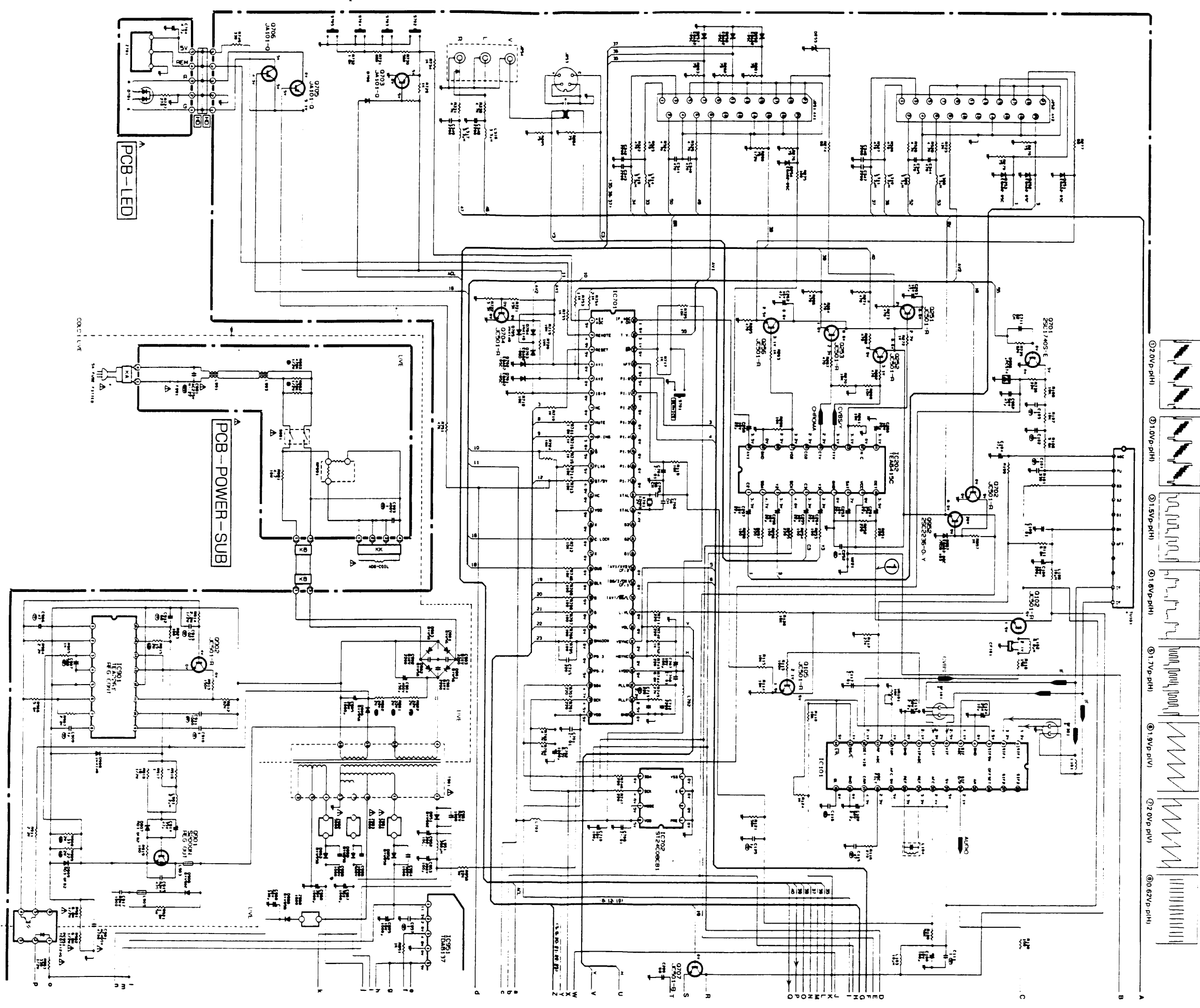
Item	Part No.	Description
F991	283D047040	Fuse T2A
J601	449C126010	CRT Socket
PC951	268P068010	Photo Coupler TCOT1124G
R352, R353	103P378060	R-Fuse 1/4W 3.3-J
R406	103P397090	R-Fuse 1/2W 0.82-J (25BS, 25LS)
R512	103P442020	R-Fuse-Metal 1W 560-K-OR-J
R513	103P398040	R-Fuse 1/2W 2.2-J
R514	103P397090	R-Fuse 1/2W 0.82-J
R671	103P448040	R-Fuse-Metal 1W 2.2-K-OR-J (25BS, 25LS)
R671	103P448060	R-Fuse-Metal 1W 3.3-K-OR-J (21BS)
R981, R982	109D021020	R-Composition 1/2W 6.8M-K
S991	432C048010	SW-Push AC250V 5A,80A S
T551	334P232030	Trans-Flyback (21BS)
T551	334P244010	Trans Flyback (25BS, 25LS)
T901	350P646010	Trans-Power
Z552	299P193010	Protector 2000 (25BS, 25LS)
Z951	299P193010	Protector 2000
Z952	299P193070	Protector 5000
Z953, Z968	299P193000	Protector 1600

Note: Numbers in brackets indicates models.

Satellite Diagram

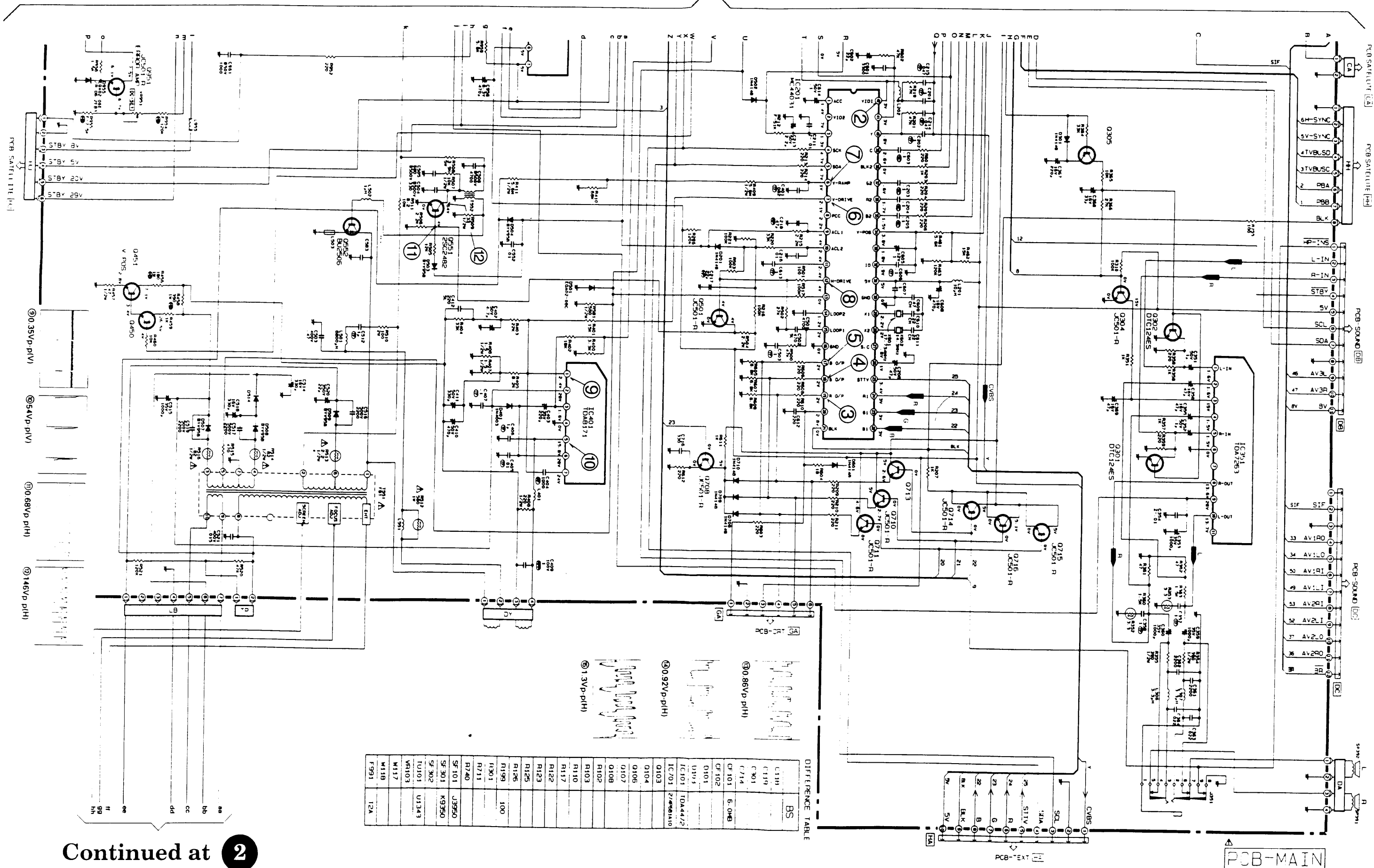


Main
Diagram



Main Diagram Cont'd.

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Continued at **2**

Main Diagram Cont'd.

