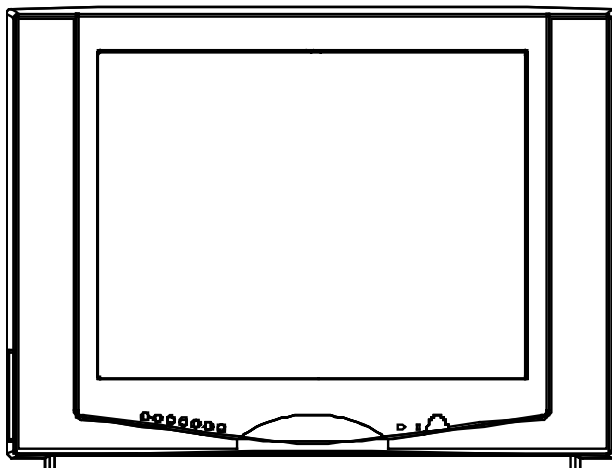


SERVICE MANUAL



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This manual is the latest at the time of printing, and does not include the modification which may be made after the printing, by the constant improvement of product.

CAUTION:

Use of controls, adjustments or procedures other than those specified herein may result in hazardous radiation exposure.



CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN.



CAUTION: TO REDUCE THE RISK OF ELECTRICAL SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lighting flash with arrowhead symbol, with an equilateral triangle is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to the person.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: TO REDUCE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

IMPORTANT SAFETY INSTRUCTIONS

CAUTION:

Read all of these instructions. Save these instructions for later use. Follow all Warnings and Instructions marked on the audio equipment.

1. Read Instructions- All the safety and operating instructions should be read before the product is operated.
2. Retain Instructions- The safety and operating instructions should be retained for future reference.
3. Heed Warnings- All warnings on the product and in the operating instructions should be adhered to.
4. Follow Instructions- All operating and use instructions should be followed.

FOR YOUR PERSONAL SAFETY

1. When the power cord or plug is damaged or frayed, unplug this television set from the wall outlet and refer servicing to qualified service personnel.
2. Do not overload wall outlets and extension cords as this can result in fire or electric shock.
3. Do not allow anything to rest on or roll over the power cord, and do not place the TV where power cord is subject to traffic or abuse. This may result in a shock or fire hazard.
4. Do not attempt to service this television set yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
5. Never push objects of any kind into this television set through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the television set.
6. If the television set has been dropped or the cabinet has been damaged, unplug this television set from the wall outlet and refer servicing to qualified service personnel.
7. If liquid has been spilled into the television set, unplug this television set from the wall outlet and refer servicing to qualified service personnel.
8. Do not subject your television set to impact of any kind. Be particularly careful not to damage the picture tube surface.
9. Unplug this television set from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
- 10.1. Do not place this television set on an unstable cart, stand, or table. The television set may fall, causing serious injury to a child or an adult, and serious damage to the appliance. Use only with a cart or stand recommended by the manufacturer, or sold with the television set. Wall or shelf mounting should follow the manufacturer's instructions, and should use a mounting kit approved by the manufacturer.
- 10.2. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.



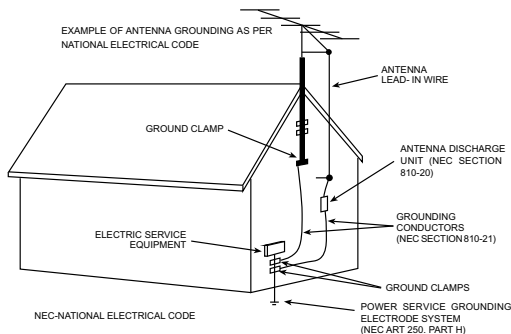
PROTECTION AND LOCATION OF YOUR SET

11.
 - Do not use this television set near water ... for example, near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, etc.
 - Never expose the set to rain or water. If the set has been exposed to rain or water, unplug the set from the wall outlet and refer servicing to qualified service personnel.
12. Choose a place where light (artificial or sunlight) does not shine directly on the screen.
13. Avoid dusty places, since piling up of dust inside TV chassis may cause failure of the set when high humidity persists.
14. The set has slots, or openings in the cabinet for ventilation purposes, to provide reliable operation of the receiver, to protect it from overheating. These openings must not be blocked or covered.
 - Never cover the slots or openings with cloth or other material.
 - Never block the bottom ventilation slots of the set by placing it on a bed, sofa, rug, etc.
 - Never place the set near or over a radiator or heat register.
 - Never place the set in a "built-in" enclosure, unless proper ventilation is provided.

PROTECTION AND LOCATION OF YOUR SET

- 15.1. If an outside antenna is connected to the television set, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges, Section 810 of the National Electrical Code, NFPA No. 70-1975, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrode, and requirements for the grounding electrode.

EXAMPLE OF ANTENNA GROUNDING AS PER NATIONAL ELECTRICAL CODE INSTRUCTIONS



- 15.2. Note to CATV system installer : (Only for the television set with CATV reception)

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

16. An outside antenna system should not be located in the vicinity of overhead power lines or other electric lights or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.
17. For added protection for this television set during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna. This will prevent damage due to lightning and power-line surges.

OPERATION OF YOUR SET

18. This television set should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply at your home, consult your television dealer or local power company. For television sets designed to operate from battery power, refer to the operating instructions.
19. If the television set does not operate normally by following the operating instructions, unplug this television set from the wall outlet and refer servicing to qualified service personnel. Adjust only those controls that are covered in the operating instructions as improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the television set to normal operation.
20. When going on a holiday : If your television set is to remain unused for a period of time, for instance, when you go on a holiday, turn the television set " off " and unplug the television set from the wall outlet.

IF THE SET DOES NOT OPERATE PROPERLY

21. If you are unable to restore normal operation by following the detailed procedure in your operating instructions, do not attempt any further adjustment. Unplug the set and call your dealer or service technician.
22. Whenever the television set is damaged or fails, or a distinct change in performance indicates a need for service, unplug the set and have it checked by a professional service technician.
23. It is normal for some TV sets to make occasional snapping or popping sounds, particularly when being turned on or off. If the snapping or popping is continuous or frequent, unplug the set and consult your dealer or service technician.

FOR SERVICE AND MODIFICATION

24. Do not use attachments not recommended by the television set manufacturer as they may cause hazards.
25. When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
26. Upon completion of any service or repairs to the television set, ask the service technician to perform routine safety checks to determine that the television is in safe operating condition.

PRODUCT SPECIFICATION

AMBIENT CONDITIONS:

AMBIENT TEMPERATURE:

OPERATING : $-10^{\circ}\text{C} \sim +40^{\circ}\text{C}$

STORAGE : $-15^{\circ}\text{C} \sim +45^{\circ}\text{C}$

HUMIDITY

OPERATING: $<80\%$

STORAGE: $<90\%$

AIR PRESSURE: 86kpa ~ 106kpa

PREPARED BY :

DATE:

APPROVED BY:

DATE:

A: GENERAL SPECIFICATION:

1: CRT

- ☐ 14"_____ ☐ 20"_____
- ☒ 21"_____ ☐ 25"_____
- ☐ 29"_____ ☐ 34"_____ ☐ OTHER_____

2: CHASSIS:

- ☐ DIGITAL ☐ NICAM STEREO ☒ ANALOG
- ☐ SURROUND SOUND ☐ TELETEXT ☐ GERMAN STEREO
- ☐ S.VHS ☐ OTHER _____

3: CPU:S

- ☐ TSB M5C01 ☐ TSB M5C03 ☐ TSB M5ENG ☐ TSB M6/M6A ☐ TSB M7/M7A
- ☐ TSB M8A ☐ TSB M8B ☐ TSB CTS-654A ☐ TSB M2A ☐ SS M4F
- ☐ PHIL.CTV 222S ☐ MIT.(2911) ☐ SIE SDA 5352 ☒ 其他(OTHERS) M17

4: TV BROADCASTING SYSTEM AND COUNTRY

- ☐ PAL-I ☒ PAL-BG ☐ PAL-DK ☐ PAL-DK.1
- ☐ PAL-DK.BG ☐ SECAM-BG ☐ SECAM-L ☐ SECAM-DK.BG
- ☐ PAL-N ☐ NTSC-M-I ☒ NTSC3.579/4.43 AV MODE ☐ 21 MULTI SYSTEM
- ☐ UK ☐ HK ☐ GERMAN ☐ RUSSIA
- ☐ CHINA ☐ USA ☐ E.EUROPE ☐ VIETNAM
- ☐ CANADA ☐ DUBAI ☐ INDONESIA ☐ S.AFRICA
- ☐ MALAYSIA ☐ MID. AMERICA ☐ SINGAPORE ☒ ISRAEL
- ☐ AUSTRALIA & NEW ZEALAND ☐ TAIWAN ☐ MOROCCO
- ☐ PHILIPPINES ☐ OTHER_____

5: RECEIVING CHANNELS

- ☐ CH21--CH69 ☐ CH2--CH12 (CCIR)
- ☐ CHFA-CHS20 (FRANCE BAND) ☐ CH2--CHS41 (HYPER BAND)
- ☐ CH21--CH69 ☐ CH21--CH69

- ☐ CH2--CHS20 (CABLE BAND)
 ☐ CH2--CH13 (USA BAND)
- ☐ CH21--CH69
 ☐ CH14--CH83
- ☐ CHR1--CHR12 (OIRT)
 ☐ CH1--CH12/CH13-CH57 (CHINA BAND)
- ☒ OTHER CATV 470MHz

6: SCANNING LINES AND FREQUENCIES

- ☐ 625 LINES 15.625kHz 50Hz
- ☐ 525 LINES 15.75kHz 60Hz
- ☒ 525/625 LINES 15.625kHz /15.75kHz 50/60Hz

7: COLOUR SUB-CARRIER

- ☒ 4.433MHz
 ☒ 3.579MHz
 ☐ 3.58MHz

8: INTERMEDIATE FREQUENCIES

- ☐ PICTURE 39.5MHz
 ☐ SOUND 6.0MHz
- ☒ PICTURE 38.9MHz
 ☒ SOUND 5.5MHz
- ☐ PICTURE 38.0MHz
 ☐ SOUND 6.5MHz
- ☐ PICTURE 45.75MHz
 ☐ SOUND 4.5MHz
- ☐ OTHER _____
 ☐ AM SOUND 6.5MHz

9: POWER CONSUMPTION :

- ☐ 65W
 ☐ 70W
 ☐ 75W
 ☒ 80W
 ☐ 110W
 ☐ 120W
- ☐ 130W
 ☐ 140W
 ☐ 180W
 ☐ 190W
 ☐ OTHER _____

10: POWER SOURCE :

- ☐ AC 120V 60Hz±10%
- ☐ AC 200V 50Hz±10%
- ☐ AC 220V 50Hz±10%
- ☐ AC 220V 50Hz+10%~25%
- ☐ AC 240V 50Hz±10%
- ☐ AC 110V-240V 50/60Hz
- ☒ OTHER AC 180V-240V 50Hz

11: AUDIO OUTPUT POWER (7%THD)

- ☐ 13" & 14" ---1W
- ☐ 20" & 21" ---2W
- ☐ 20" & 21" ---2W + 2W (R + L)
- ☐ 25" ---4W + 4W (R + L)
- ☐ 29" ---6W + 6W (R + L)
- ☐ 34" ---8W + 8W(R + L)
- ☒ OTHER 21" $\geq 4W + 4W (R + L)$

12: AERIAL INPUT IMPEDANCE

- ☒ 75 Ω UNBALANCED DIN JACK ANT.INPUT75
- ☐ 75 Ω UNBALANCED F TYPE ANT.INPUT FOR NTSC
- ☐ 300 Ω BALANCED (TWO TERMINALS ANT.INPUT)
- ☐ OTHER _____

13: PRODUCT SAFETY REQUIREMENT

- ☐ BS APPROVAL
- ☐ VDE APPROVAL
- ☐ UL APPROVAL
- ☒ CHINA APPROVAL
- ☐ CB APPORVAL
- ☐ OTHER _____

14: PRODUCT EMC/EMI REQUIREMENT

- ☐ FTZ APPOVAL
- ☐ FCC APPROVAL
- ☒ CHINA APPOVAL
- ☐ OTHER _____

B: BASIC FEATURES OF CONTROLLER

1: CHANNEL TUNING METHOD

- ☒ VOLTAGE SYNTHESIZER (V.S.)
☐ PLL FREQUENCY SYNTHESIZER (F.S.)

2: PRESETTABLE PROGRAM

- ☐ 50 PROGRAMS ☐ 99 PROGRAMS
☒ 100 PROGRAMS ☐ 181 PROGRAMS
☐ OTHER _____

3: TUNING FOR VHF AND UHF BANDS

- ☒ AUTO SEARCH) ☒ MANUAL TUNING)
☒ FINE TUNING

4: PICTURE AND SOUND ADJUSTMENT

- ☒ BRIGHT, CONTRAST, COLOUR AND VOLUME CONTROL
☒ TINT CONTROL(NTSC)
☐ TREBLE, BASS, BALANCE CONTROL
☒ SHARPNESS CONTROL ☐ OTHER _____

5: TELETEXT

- ☐ SIMPLE TEXT ☐ TOP(TABLE OF PAGES)
☐ FLOF (FASTEXT) ☐ LIST

6: ON SCREEN DISPLAY

- ☒ GENERAL FEATURES* ☐ STEREO DUAL LAN.
☐ FOUR S.EFFECT INDICATOR ☐ GERMAN STEREO INDICATOR

注: *REMARK: OSD-GENERAL FEATURES OF CPU:
VOLUME, BRIGHTNESS, CONTRAST, COLOUR, PROGRAM, BAND,
AUTO SEARCH, MANUAL, TUNE, MUTING, AV AND SLEEP TIMER.

7: SLEEP TIMER

- ☒ 10-120 MINUTES WITH 10M.INCREMENT

8: AUTO OFF WHEN NO BROADCASTING SIGNAL

- ☐ 10 min ☒ 15 min ☐ 20 min

9: FULL FUNCTION INFRARED REMOTE CONTROL

P/N OF REMOTE CONTROL INLAY) : 58-HS46F0-YUI

10: REMOTE EFFECTIVE DISTANCE 8 m

C: CONSTRUCTION OF FRONT PANEL

- | | |
|---|--|
| <input checked="" type="checkbox"/> MAIN POWER SWITCH | <input type="checkbox"/> FUNCTION SELECT |
| <input checked="" type="checkbox"/> REMOTE SENSOR | <input checked="" type="checkbox"/> MENU SELECT |
| <input type="checkbox"/> SYSTEM FUNCTION) | <input type="checkbox"/> S.VHS INPUT |
| <input type="checkbox"/> MICROPHONE INPUT) | <input checked="" type="checkbox"/> TV/AV SELECT |
| <input checked="" type="checkbox"/> STANDBY INDICATOR | <input checked="" type="checkbox"/> PROGRAM VOLUME UP/DOMN |
| <input type="checkbox"/> BAND SELECT | <input checked="" type="checkbox"/> RCA SOCKET (SIDE) |
| <input type="checkbox"/> EARPHONE INPUT | <input type="checkbox"/> OTHER _____ |
| <input type="checkbox"/> AUTO SEARCH AND MANUAL TUNING SELECT | |

D: CONSTRUCTION OF REAR PANEL

- ☒ 75Ω AERIAL TERMINAL
- ☐ 300Ω AERIAL TERMINAL
- ☐ RCA SOCKET(AV INPUT ONLY
- ☐ RCA SOCKET--AV IN/OUT
- ☐ RCA SOCKET --A-R+L IN/OUT, V- IN/OUT
- ☐ RCA SOCKET --A-R+L /V INPUT X 2,
- ☐ SCART SOCKET
- ☐ S.VHS INPUT
- ☐ EXT/INT SPEAKER SELECT
- ☐ EXT.SPEAKERS (R+L) TERMINALS
- ☐ EXT.SPEAKERS (R+L) RCA SOCKET
- ☐ SUPER WOOFER TERMINAL
- ☐ OTHER _____

E: AUDIO AND VIDEO INPUT/OUTPUT

- ☐ RCA SOCKET

☒ SCART SOCKET(AV)

☐ S SCART SOCKET(FULL)

SPECIFICATION	SCART	RCA
VIDEO INPUT 75Ω S	1V _{P-P}	1V _{P-P}
AUDIO INPUT 10kΩ (R+L)	0.5V _{rmS}	0.5V _{rmS}
VIDEO OUTPUT 75Ω	1V _{P-P}	1V _{P-P}
AUDIO OUTPUT 1kΩ (R+L)	0.5V _{rmS}	0.5V _{rmS}
RGB INPUT 75Ω	0.7V _{P-P}	
AUDIO LINE OUTPUT 1kΩ	1V _{P-P}	

F: OTHERS INFORMATION

1. FLYBACK : 37-BSC250-2110X
2. TUNER : 07-380V15-NX4
3. SAW FILTER : 45-SAW296-6M0
4. POWER CORD : _____
5. FUSE : _____
6. COLOUR TEMP : _____
7. MAGNETIC FIELD : _____
8. IC EEPROM : 13-00M24C-04P
9. IR RECEIVER : 11-IRR001-1X0
10. CIRCUIT DIAGRAM : 01-21754U-M35
11. MAIN BOARD : 40-2175GU-MAA01

CMPITM	ITMDSC	QTYPER	REMAR1	REMAR2	REMAR3	REMAR4	REMAR5
03-21754U-IS23	PAL BG N3/N4-AV	0	ET-421028 (02. 8. 6) Z				
		0					
08-02175U-AVY	ASS'Y - SIDE AV BD	1					
40-2175MU-SIC	P. C. B. SIDE AV BD	1					
46-30790H-06X	HS 6P24 400 TJC3-6Y/SCN-6Y	1	P1104B FOR M. BD P904				
47-RCA022-XX0	RCA SOCKET	1	P1101				
08-02175U-FBY	ASS'Y - FRONT CTL BD	1					
18-CB0223-JNX	RES. C. F. 22K OHM 1/6W +/-5%	1	R1401				
18-CB0272-JNX	RES. C. F. 2.7K OHM 1/6W +/-5%	2	R1408	R1409			
18-CB0392-JNX	RES. C. F. 3.9K OHM 1/6W +/-5%	2	R1404	R1406			
18-CB0822-JNX	RES. C. F. 8.2K OHM 1/6W +/-5%	2	R1405	R1407			
40-2175MU-FBD	P. C. B. FRONT CTL BD	1					
46-28246H-04X	HS 4P24 200 TJC3-4Y/JC25-4Y	1	FOR 46-10960W-047 (M. BD P002)				
48-TAC001-XX0	TACT SWITCH	5	S1401	S1402	S1403	S1404	S1405
48-TAC001-XX0	TACT SWITCH	2	S1406	S1407			
08-21184U-CRY	ASS'Y - CRT BD	1					
10-1N4148-ABX	DIODE 1N4148 (SWITCHING)	2	D501	D502			
11-A562TM-OBX	TRANSISTOR 2SA562TM-0	1	Q507				
11-SC1815-YBX	TRANSISTOR 2SC1815-Y	3	Q502	Q504	Q506		
11-SC4544-OAX	TRANSISTOR 2SC4544	3	Q501	Q503	Q505		
18-CB0102-JNX	RES. C. F. 1K OHM 1/6W +/-5%	1	R515				
18-CB0272-JNX	RES. C. F. 2.7K OHM 1/6W +/-5%	1	R514				
18-CB0561-JNX	RES. C. F. 560 OHM 1/6W +/-5%	5	R501	R505	R510	R503	R508
18-CB0561-JNX	RES. C. F. 560 OHM 1/6W +/-5%	1	R513				
18-CB0681-JNX	RES. C. F. 680 OHM 1/6W +/-5%	5	R502	R506	R509	R511	R522
18-FE0272-JNX	RES. M. O. 2.7K OHM 1/2W +/-5%	3	R519	R520	R521		
18-FG0153-JHX	RES. M. O. 15K OHM 2W +/-5%	3	R516	R517	R518		
25-BCB471-M1X	CAP. ELEC 470 UF 16V +/-20%	1	C506				
25-BLA100-M1X	CAP. ELEC 10 UF 250V +/-20%	1	C504				
26-AMK182-KBX	CAP. CER 1800PF 2KV +/-10%	1	C505				
26-EBP102-KBX	CAP. CER 1000 PF 50V +/-10% B	2	C509	C508			
26-EBP391-JCX	CAP. CER. 390PF 50V +/-5% CH	3	C501	C502	C503		
34-R100K2-1BX	COIL CHOKE 10 UH +/-10%	1	L502				
35-139730-00X	FERR. BEAD BF60	2	FOR C508 (L505 & L506)				
40-2129MS-CRB	P. C. B. CRT BD	1					
41-WJ0050-B00	WIRE BARE JUMPER 5MM	3	L504	L501	L503		
41-WJ0060-B00	WIRE BARE JUMPER 6MM	3	R507	R504	R512		
41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	1	J503				
46-10967W-01X	PIN BASE *1 TJC1-1A	1	FOR CRT GROUNDING				
46-30615H-04X	HS 4P24 460 F/W TJC3-4Y/SCN-4	1	P502 FOR 46-10960W-047 (M. BD P402)				
46-37030H-05X	HS 5P 2468#24 450 TJC3-5Y/SCN	1	P503 FOR 46-13541W-057 (M. BD P201)				
47-265540-0U7	SOCKET CRT GZS10-2-4 (C. B.)	1	S501				
08-21754U-FCN	ASS'Y - FRONT CABINET	1					
02-GND021-XX0	ASS'Y - CRT GND WIRE&HOUSE	1	FOR CRT GROUNDING				
18-CD0106-JNX	RES. C. F. 10M OHM 1/4W +/-5%	1	R1				
36-DEG210-XX3	DEGAUSSING COIL 2500MM	1					
41-BF0220-0BB	WIRE UL 1007 #24 220MM BLACK	1	FOR R1				
42-51216D-XX0	SPEAKER (50MMX120MM) 16 OHM 5W	2	W601	W602			
44-210FLN-SG1A	CRT A51JSY63X13(C) (ASCH)	1	CRT01				
46-14026H-02X	HS 2P24 570/7 F/W S11-02H	1	P601H FOR M. BD P601				
46-27688H-04X	HS 4P22 400/13 RBGW TJC1-4Y	1	P401H FOR D. Y COIL				
46-35196H-02X	HS 2P22 570/7 TJC3-2Y	1	P602H FOR M. BD P602				
54-113971-OUE	PVC TUBE #6 L=160MM	2	FOR L & R SPEAKING WIRE				
54-114000-00X	FELT TAPE (150X19)MM	2	MTG F. CAB				
54-205130-000	SPACER CRT MOUNTING T=3MM	2	MTG CRT & F. CAB				
54-205140-000	SPACER CRT MOUNTING T=2MM	4	MTG CRT & F. CAB				
54-237931-0X0	HEAT SHRINKABLE TUBE L=2CM	1	FOR R1				
54-314740-0X0	CRT FIBRE SHEET T=0.8MM	4					
55-2175FC-OCA	FRONT CABINET (II)	1					
56-2175FB-OHA	PUSH BUTTON	1					
56-2175LE-OHC	LENS - LED	1					
56-2175PK-OHA	POWER KNOB	1					
56-344260-OHA	PANEL	1					
58-345970-1UI	INLAY SIDE AV BD	1					
59-130460-00X	RUBBER PAD (25MMX7MM)	2	STICK ON F. CAB(FOOTING)				
62-10654X-00F	UNI - TIE (2.5MMX95MM)	4					
62-216340-OUA	HOLDER POWER CORD	1					
62-269940-OHA	POWER SW. ADAPTER	1					

63-B26080-AB4	S/T SCREW B 2.6 X 8 AB	1	MTG LED LENS				
63-B26080-AB4	S/T SCREW B 2.6 X 8 AB	2	MTG SIDE AV BD & F.CAB				
63-B26080-AB4	S/T SCREW B 2.6 X 8 AB	1	MTG PUSH BUTTON(RIGHT)				
63-B26080-AB4	S/T SCREW B 2.6 X 8 AB	2	MTG F.CTL BD TO F.CAB				
63-H60250-AB4	S/T SCREW H 6 X 25 AB	4	MTG CRT & F.CAB				
63-W30100-AB4	S/T SCREW W 3 X 10 AB	8	MTG SPEAKER				
65-A60180-20E	EXT. TOOTH WASHTER (6X18X2)MM	8	MTG CRT				
67-105580-OE2	SOLDERING TAG	1					
67-126680-OE0	SPRING CRT 6MMX40MMX0.5MM	1	FOR CER				
67-242830-OE0	SPRING POWER KNOB	1					
08-21754U-MA3	ASS'Y - MAIN BD	1					
07-389VI5-NX4	TUNER UV1355-BK2(BG/HB/IEC/5V)	1	TU101				
10-1N4001-EBX	DIODE 1N4001 (RECTIFIER)	1	D301				
10-1N4002-EBX	DIODE 1N4002 (RECTIFIER)	1	D411				
10-1N4148-ABX	DIODE 1N4148 (SWITCHING)	5	D206	D206A	D312	D313	D314
10-1N4148-ABX	DIODE 1N4148 (SWITCHING)	2	D602	D603			
10-1N4148-ABX	DIODE 1N4148 (SWITCHING)	1	J918 [(+) & J211] / [(-) & R901]				
10-55C4V7-DBX	DIODE ZENER 4.7V 1/2W +/-5%	1	D208				
10-55C5V1-DBX	DIODE ZENER 5V1 1/2W +/-5%	1	D004				
10-55C8V2-DBX	DIODE ZENER 8V2 1/2W +/-5%	1	D404				
10-CW574C-DJX	DIODE CW574CD	1	D001				
10-TFR104-FBX	DIODE TFR104 (FAST RECOVERY)	2	D401	D402			
11-2N3904-OBX	TRANSISTOR 2N3904 (NPN)	1	Q001				
11-DD1555-OAX	TRANSISTOR 3DD1555	1	Q402				
11-IRR001-1X0	IR RECEIVER MODULE HS0038A2	1	IR001				
11-SA1015-YBX	TRANSISTOR 2SA1015Y	4	Q007	Q601	Q203	Q205	
11-SC1815-YBX	TRANSISTOR 2SC1815-Y	5	Q004	Q005	Q006	Q202	Q204
11-SC1815-YBX	TRANSISTOR 2SC1815-Y	5	Q603	Q605	Q901	Q902	Q903
11-SC1815-YBX	TRANSISTOR 2SC1815-Y	3	Q905	Q904	Q208		
11-SC2482-OBX	TRANSISTOR 2SC2482	1	Q401				
11-SC3779-DBX	TRANSISTOR 2SC3779D (RF AMPL)	1	Q101				
11-TA124E-SBX	TRANSISTOR TDA124ES (TP)	1	Q304				
11-TC144E-SBX	TRANSISTOR TDA144ES (TP)	2	Q606	Q607			
13-000040-53P	IC 4053 (ANALOG SW) DIP16	1	IC901				
13-000040-66P	IC 4066 (ANALOG SW.)	1	IC603				
13-000L78-05S	IC L7805 CV 5V 1A (REGUALTOR)	1	IC402				
13-00M24C-04P	IC M24C04 EEPROM 4K	1	IC002				
13-00MC78-09S	IC MC7809C LINEAR +9V 1A	1	IC401				
13-0TA840-3KS	IC TA8403K (VERT. OUTPUT)	1	IC301				
13-0TDA74-96S	IC TDA7496 (AUDIO)	1	IC601				
13-A02V01-TOP	IC TCL-A02V01-T (CPU)	1	IC001				
13-TB1238-ANP	IC TB1238AN (P/SIF/VCD) CH/JP	1	IC201				
14-LED05R-XX0	LED RED FB205	1	D051				
18-CB0101-JNX	RES. C.F. 100 OHM 1/6W +/-5%	4	R238	R251	R048	R049	
18-CB0102-JNX	RES. C.F. 1K OHM 1/6W +/-5%	5	R028	R041	R054	R059	R129
18-CB0102-JNX	RES. C.F. 1K OHM 1/6W +/-5%	5	R234	R236	R267	R268	R269
18-CB0102-JNX	RES. C.F. 1K OHM 1/6W +/-5%	5	R283	R301	R302	R411	R622
18-CB0102-JNX	RES. C.F. 1K OHM 1/6W +/-5%	5	R637	R903	R910	R912	R905
18-CB0102-JNX	RES. C.F. 1K OHM 1/6W +/-5%	5	R907	R208	R211	R226	R227
18-CB0103-JNX	RES. C.F. 10K OHM 1/6W +/-5%	5	R051	R052	R019	R020	R043
18-CB0103-JNX	RES. C.F. 10K OHM 1/6W +/-5%	5	R034	R033	R038	R012	R011
18-CB0103-JNX	RES. C.F. 10K OHM 1/6W +/-5%	5	R017	R415	R222	R915	R633
18-CB0103-JNX	RES. C.F. 10K OHM 1/6W +/-5%	5	R636	R001	R606	R602	R604
18-CB0103-JNX	RES. C.F. 10K OHM 1/6W +/-5%	4	R605	R916	R917	R918	
18-CB0104-JNX	RES. C.F. 100K OHM 1/6W +/-5%	3	R035	R037	R042		
18-CB0106-JNX	RES. C.F. 10M OHM 1/6W +/-5%	1	R134				
18-CB0123-JNX	RES. C.F. 12K OHM 1/6W +/-5%	2	R231	R607			
18-CB0151-JNX	RES. C.F. 150 OHM 1/6W +/-5%	2	R107	R109			
18-CB0152-JNX	RES. C.F. 1.5K OHM 1/6W +/-5%	1	R025				
18-CB0153-JNX	RES. C.F. 15K OHM 1/6W +/-5%	3	R004	R046	R902		
18-CB0182-JNX	RES. C.F. 1.8K OHM 1/6W +/-5%	2	R642	R032			
18-CB0183-JNX	RES. C.F. 18K OHM 1/6W +/-5%	1	R922A				
18-CB0220-JNX	RES. C.F. 22 OHM 1/6W +/-5%	1	R901				
18-CB0222-JNX	RES. C.F. 2.2K OHM 1/6W +/-5%	3	R230	R313	R287		
18-CB0223-JNX	RES. C.F. 22K OHM 1/6W +/-5%	1	R218				
18-CB0224-JNX	RES. C.F. 220K OHM 1/6W +/-5%	1	R232				
18-CB0243-JNX	RES. C.F. 24K OHM 1/6W +/-5%	1	R306				
18-CB0271-JNX	RES. C.F. 270 OHM 1/6W +/-5%	5	R273	R215	R216	R217	R292
18-CB0272-JNX	RES. C.F. 2.7K OHM 1/6W +/-5%	1	R266				

18-CB0303-JNX	RES. C. F. 30K OHM 1/6W +/-5%	1	R210				
18-CB0331-JNX	RES. C. F. 330 OHM 1/6W +/-5%	2	R282	R284			
18-CB0332-JNX	RES. C. F. 3.3K OHM 1/6W +/-5%	2	R611	R614			
18-CB0333-JNX	RES. C. F. 33K OHM 1/6W +/-5%	3	R005	R006	R922		
18-CB0363-JNX	RES. C. F. 36K OHM 1/6W +/-5%	1	R304				
18-CB0391-JNX	RES. C. F. 390 OHM 1/6W +/-5%	2	R219	R220			
18-CB0393-JNX	RES. C. F. 39K OHM 1/6W +/-5%	2	R209	R294			
18-CB0470-JNX	RES. C. F. 47 OHM 1/6W +/-5%	4	R061	R026	R009	R010	
18-CB0471-JNX	RES. C. F. 470 OHM 1/6W +/-5%	5	R027	R110	R908	R906	R923
18-CB0471-JNX	RES. C. F. 470 OHM 1/6W +/-5%	2	R401	R239			
18-CB0472-JNX	RES. C. F. 4.7K OHM 1/6W +/-5%	4	R047	R050	R623	D601	
18-CB0473-JNX	RES. C. F. 47K OHM 1/6W +/-5%	5	R036	R924	R925	R926	R927
18-CB0473-JNX	RES. C. F. 47K OHM 1/6W +/-5%	4	R928	R929	R930	R931	
18-CB0560-JNX	RES. C. F. 56 OHM 1/6W +/-5%	1	R112				
18-CB0561-JNX	RES. C. F. 560 OHM 1/6W +/-5%	1	R247				
18-CB0562-JNX	RES. C. F. 5.6K OHM 1/6W +/-5%	3	R029	R030	R031		
18-CB0681-JNX	RES. C. F. 680 OHM 1/6W +/-5%	1	R040				
18-CB0683-JNX	RES. C. F. 68K OHM 1/6W +/-5%	1	R307				
18-CB0750-JNX	RES. C. F. 75 OHM 1/6W +/-5%	2	R235	R904			
18-CB0752-JNX	RES. C. F. 7.5K OHM 1/6W +/-5%	1	R940				
18-CB0820-JNX	RES. C. F. 82 OHM 1/6W +/-5%	2	R914	R909			
18-CD0100-JNX	RES. C. F. 10 OHM 1/4W +/-5%	1	R039				
18-CD0183-JNX	RES. C. F. 18K OHM 1/4W +/-5%	1	R412A				
18-CD0273-JNX	RES. C. F. 27K OHM 1/4W +/-5%	1	R003				
18-CE0102-JNX	RES. C. F. 1K OHM 1/2W +/-5%	1	R312A				
18-CE0109-JNX	RES. C. F. 1 OHM 1/2W +/-5%	1	R303				
18-CE0121-JNX	RES. C. F. 120 OHM 1/2W +/-5%	1	R221				
18-CE0331-JNX	RES. C. F. 330 OHM 1/2W +/-5%	1	R414				
18-CE0479-JNX	RES. C. F. 4.7 OHM 1/2W +/-5%	1	R640				
18-DF0229-JHX	RES. M. F. 2.2 OHM 1W +/-5%	1	R603				
18-EF0109-JGX	RES. FUS. 1 OHM 1W +/-5%	4	R403	R405	R406	R407	
18-FF0103-JGX	RES. M. O. 10K OHM 1W +/-5%	1	R413				
18-FF0122-JGX	RES. M. O. 1.2K OHM 1W +/-5%	1	R441				
18-FF0153-JGX	RES. M. O. 15K OHM 1W +/-5%	1	R404				
18-FF0189-JGX	RES. M. O. 1.8 OHM 1W +/-5%	1	R305				
18-FF0331-JGX	RES. M. O. 330 OHM 1W +/-5%	1	R336				
18-FF0472-JGX	RES. M. O. 4.7K OHM 1W +/-5%	1	R408				
18-FF0479-JGX	RES. M. O. 4.7 OHM 1W +/-5%	1	R410A				
18-GJ0332-JTX	RES. CEMENT 3.3K OHM 5W +/-5%	1	R402				
25-BCA102-M1X	CAP. ELEC 1000 UF 16V +/-20%	3	C635	C607	C608		
25-BCB100-M1X	CAP. ELEC 10 UF 16V +/-20%	3	C041	C217	C245		
25-BCB101-M1X	CAP. ELEC 100 UF 16V +/-20%	5	C030	C225	C236	C426	C901
25-BCB101-M1X	CAP. ELEC 100 UF 16V +/-20%	1	C101				
25-BCB220-M1X	CAP. ELEC 22 UF 16V +/-20%	4	C903	C909	C246	C906	
25-BCB221-M1X	CAP. ELEC 220 UF 16V +/-20%	3	C102	C224	C609		
25-BCB470-M1X	CAP. ELEC 47 UF 16V +/-20%	5	C015	C028	C202	C241	C273
25-BCB470-M1X	CAP. ELEC 47 UF 16V +/-20%	2	C418	C423			
25-BDA102-M1X	CAP. ELEC 1000 UF 25V +/-20%	2	C606	C306			
25-BDB101-M1X	CAP. ELEC 100 UF 25V +/-20%	1	C604				
25-BEA471-M1X	CAP. ELEC 470 UF 35V +/-20%	1	C413				
25-BEB101-M1X	CAP. ELEC 100 UF 35V +/-20%	2	C308	C320			
25-BFB100-M1X	CAP. ELEC 10 UF 50V +/-20%	1	C219				
25-BFB109-M1X	CAP. ELEC 1 UF 50V +/-20%	5	C211	C234	C602	C624	C619
25-BFB109-M1X	CAP. ELEC 1 UF 50V +/-20%	5	C615	C904	C905	C907	C908
25-BFB109-M1X	CAP. ELEC 1 UF 50V +/-20%	1	C622				
25-BFB229-M1X	CAP. ELEC 2.2 UF 50V +/-20%	2	C612	C003			
25-BFB478-M1X	CAP. ELEC 0.47 UF 50V +/-20%	2	C213	C230			
25-BFB479-M1X	CAP. ELEC 4.7 UF 50V +/-20%	1	C104				
25-BHB100-M1X	CAP. ELEC 10 UF 100V +/-20%	1	C420				
25-BJA470-M1X	CAP. ELEC 47 UF 160V +/-20%	1	C411				
25-BLA100-M1X	CAP. ELEC 10 UF 250V +/-20%	1	C408				
25-DFB229-M1X	CAP. ELEC 2.2 UF 50V +/-20% NP	1	C323A				
25-GFB109-K1X	CAP. ELEC 1UF 50V +/-10%	1	C220				
25-GFB229-K1X	CAP. ELEC 2.2UF 50V +/-10%	1	C305				
26-ABC121-JZX	CAP. CER 120 PF 50V +/-5% SL	1	C031				
26-AIC102-KBX	CAP. CER 1000 PF 500V +/-10% B	1	C401				
26-AIC332-KBX	CAP. CER 3300 PF 500V +/-10% B	1	C403				
26-AIC391-KBX	CAP. CER 390 PF 500V +/-10% B	2	C407	C412			
26-AMK331-JZX	CAP. CER 330 PF 2KV +/-5% SL	1	C406A				

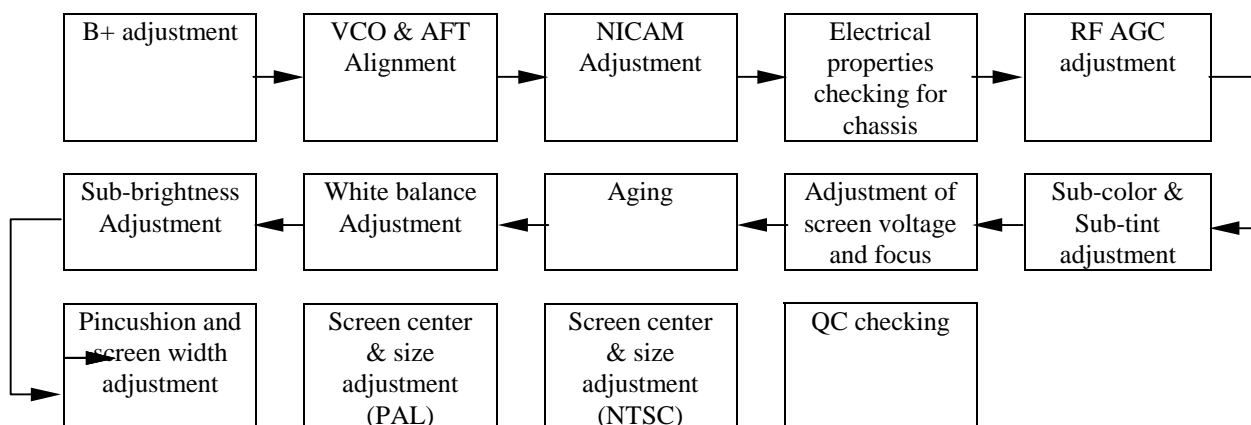
26-EBP100-JCX	CAP. CER 10 PF 50V +/-5% CH	1	R202				
26-EBP101-JCX	CAP. CER 100 PF 50V +/-5% CH	5	C002	C016	C017	C018	C019
26-EBP101-JCX	CAP. CER 100 PF 50V +/-5% CH	4	C038	C039	C239	C311	
26-EBP101-JCX	CAP. CER 100 PF 50V +/-5% CH	1	SOLDER ON R903				
26-EBP102-KBX	CAP. CER 1000 PF 50V +/-10% B	5	C033	C221	C309	C404	C032
26-EBP102-KBX	CAP. CER 1000 PF 50V +/-10% B	1	C272				
26-EBP103-ZFX	CAP. CER 0.01UF 50V +80%~-20%F	5	C223	C931	C026	C027	C029
26-EBP103-ZFX	CAP. CER 0.01UF 50V +80%~-20%F	5	C042	C112	C113	C114	C203
26-EBP103-ZFX	CAP. CER 0.01UF 50V +80%~-20%F	5	C210	C218	C226	C237	C242
26-EBP103-ZFX	CAP. CER 0.01UF 50V +80%~-20%F	5	C244	C417	C425	C636	C605
26-EBP103-ZFX	CAP. CER 0.01UF 50V +80%~-20%F	1	C902				
26-EBP104-ZFX	CAP. CER 0.1 UF 50V +/-5% F	4	C036	C214	C215	C216	
26-EBP120-JCX	CAP. CER 12 PF 50V +/-5% CH	1	C201				
26-EBP220-JZX	CAP. CER 22 PF 50V +/-5%	2	C022	C023			
26-EBP221-JCX	CAP. CER 220 PF 50V +/-5%	5	C427	C004	C010	C911	C912
26-EBP221-JCX	CAP. CER 220 PF 50V +/-5%	2	C913	C914			
26-EBP222-KBX	CAP CER 2200PF 50V +/-10%	1	C212				
26-EBP300-JZX	CAP. CER 30 PF 50V +/-5%	2	C025	C024			
26-EBP470-JCX	CAP. CER 47 PF 50V +/-5%	2	C269	C270			
26-EBP470-JZX	CAP. CER 47 PF 50V +/-5%	1	C001				
26-EBP471-JCX	CAP. CER 470 PF 50V +/-5%	1	C044				
26-EBP472-KBX	CAP CER 4700PF 50V +/-10%	1	C235				
26-EBP829-JCX	CAP. CER 8.2PF 50V +/-5%	1	C020				
27-AGR394-J0X	CAP. M.PP 0.39 UF 250V +/-5%	1	C421				
27-AGR563-J0X	CAP. M.PP 0.056UF 250V +/-5%	1	C410				
27-ALR103-J0X	CAP. M.PP 0.01 UF 1.6KV +/-5%	1	C406				
27-MBC104-J0X	CAP. M.P.E. 0.1 UF 50V +/-5%	5	C005	C006	C007	C232	C233
27-MBC104-J0X	CAP. M.P.E. 0.1 UF 50V +/-5%	3	C251	C313	C238		
27-MBC224-J0X	CAP. M.P.E. 0.22 UF 50V +/-5%	1	C229				
27-MBC474-J0X	CAP. M.P.E. 0.47 UF 50V +/-5%	1	C222				
27-PBC222-J0X	CAP. P.E. 2200 PF 50V +/-5%	1	C257				
27-PBC392-J0X	CAP. P.E. 3900 PF 50V +/-5%	2	C603	C601			
27-PBC472-J0X	CAP. P.E. 4700PF 50V +/-5%	1	C231				
27-PBC563-J0X	CAP. P.E 0.056 UF 50V +/-5%	1	C314				
27-PBC682-J0X	CAP. P.E. 6800 PF 50V +/-5%	1	C422				
27-RCK333-J0X	CAP. PP 0.033UF 100V +/-5%	1	C405				
34-A109K0-1IX	COIL CHOKE 1 UH +/-10%	1	L102				
34-A220K0-1IX	COIL CHOKE 22UH +/-10%	1	J222				
34-A608K6-1BX	COIL CHOKE 0.6 UH +/-10%	1	L402				
34-R120J2-OEX	COIL PL - 12 UH +/-5%	2	L208	L212			
34-R220J2-OEX	COIL PL - 22 UH +/-5%	3	L001	L002	L403		
34-R229J2-OEX	COIL PL - 2.2 UH +/-5%	1	L003				
34-R330J2-OEX	COIL PL - 33 UH +/-5%	3	L202	L203	L103A		
34-R829J2-OEX	COIL PL - 8.2 UH +/-5%	1	L901				
36-HDR001-XX1	TRANSFORMER HORIZ DRIVE	1	T401				
36-LIN450-XX1	COIL LINEARITY 45 UH	1	L412				
36-WID640-XX1	COIL WIDTH 64 UH	1	L411				
37-BSC250-2110X	FLYBACK BSC25-0211	1	T402				
38-236560-00X	COIL I.F.T. 236560 FOR VCO	1	T201				
40-2175GU-MAA01	P.C.B. MAIN BD	1					
41-BF0040-3BB	WIRE UL 1007 #24 40MM ORG.	1	FOR J902/P20(P903) TO R914/V1 IN				
41-WJ0025-B00	WIRE BARE JUMPER 2.5MM	1	FOR Q213 (C-E)				
41-WJ0025-B00	WIRE BARE JUMPER 2.5MM	1	FOR Q609 (B-C)				
41-WJ0025-B00	WIRE BARE JUMPER 2.5MM	1	FOR Q403 (C-E)				
41-WJ0025-B00	WIRE BARE JUMPER 2.5MM	1	FOR Q608 (C-E)				
41-WJ0050-B00	WIRE BARE JUMPER 5MM	5	FOR Q602 (B-E)	C610	C614	C621	C623
41-WJ0050-B00	WIRE BARE JUMPER 5MM	5	FOR Q604 (B-E)	L204	L205	L206	L207
41-WJ0050-B00	WIRE BARE JUMPER 5MM	5	L201	J412	J036	J413	J037
41-WJ0050-B00	WIRE BARE JUMPER 5MM	1	J408				
41-WJ0055-B00	WIRE BARE JUMPER 5.5 MM	1	J416				
41-WJ0060-B00	WIRE BARE JUMPER 6MM	5	J005	J009	J102	J112	J116
41-WJ0060-B00	WIRE BARE JUMPER 6MM	5	J239	J243	J251	J604	J906
41-WJ0060-B00	WIRE BARE JUMPER 6MM	5	J908	R002	R044	R609	R617
41-WJ0060-B00	WIRE BARE JUMPER 6MM	5	J115	R612	R619	J903	J108
41-WJ0060-B00	WIRE BARE JUMPER 6MM	5	J212	J627	J612	J630	J901
41-WJ0065-B00	WIRE BARE JUMPER 6.5MM	4	J608	J210	J211	J224	
41-WJ0070-B00	WIRE BARE JUMPER 7MM	4	J101	J109	J233	J917	
41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	5	J003	J004	J007	J010	J201
41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	5	J205	J216	J234	J253	J304

41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	5	J907	R920	J240	J609	J607
41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	5	J912	D311	J403	J913	R133
41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	3	J227	J228	J229		
41-WJ0080-B00	WIRE BARE JUMPER 8 MM	2	J602	J106			
41-WJ0080-B00	WIRE BARE JUMPER 8 MM	1	FOR P1 - P5 OF IC202				
41-WJ0085-B00	WIRE BARE JUMPER 8.5MM	5	J232	J207	J002	J204	J237
41-WJ0085-B00	WIRE BARE JUMPER 8.5MM	3	J015	J016	J230		
41-WJ0090-B00	WIRE BARE JUMPER 9MM	5	J404	J905	J017	J018	J044
41-WJ0090-B00	WIRE BARE JUMPER 9MM	1	J401				
41-WJ0095-B00	WIRE BARE JUMPER 9.5MM	1	J235				
41-WJ0100-B00	WIRE BARE JUMPER 10MM	5	J006	J008	J121	J123	J238
41-WJ0100-B00	WIRE BARE JUMPER 10MM	5	J241	J605	J606	J904	L904
41-WJ0100-B00	WIRE BARE JUMPER 10MM	1	J023				
41-WJ0115-B00	WIRE BARE JUMPER 11.5MM	1	J246				
41-WJ0125-B00	WIRE BARE JUMPER 12.5MM	5	D406	J208	J203	R601	J402
41-WJ0125-B00	WIRE BARE JUMPER 12.5MM	5	J011	J601	J236	J117	J120
41-WJ0125-B00	WIRE BARE JUMPER 12.5MM	5	J302	J012	J013	J028	J029
41-WJ0125-B00	WIRE BARE JUMPER 12.5MM	5	J027	J030	J031	J032	J033
41-WJ0125-B00	WIRE BARE JUMPER 12.5MM	1	R310				
41-WJ0130-B00	WIRE BARE JUMPER 13MM	2	J621	J622			
41-WJ0135-B00	WIRE BARE JUMPER 13.5MM	3	J616	J617	J618		
41-WJ0145-B00	WIRE BARE JUMPER 14.5MM	1	J403A				
41-WJ0150-B00	WIRE BARE JUMPER 15MM	5	J107	J242	J614	J247	J303
41-WJ0150-B00	WIRE BARE JUMPER 15MM	5	J014	J019	J020	J021	D006
41-WJ0150-B00	WIRE BARE JUMPER 15MM	4	D007	D008	D009	J035	
41-WJ0175-B00	WIRE BARE JUMPER 17.5MM	3	J025	J024	J223		
41-WJ0185-B00	WIRE BARE JUMPER 18.5MM	1	J254				
41-WJ0200-B00	WIRE BARE JUMPER 20MM	3	J218	J219	J217		
45-FIL5M5-0Y1	CER FILTER 5.5MHZ	1	X206				
45-OSC4M4-3Y0	CRYSTAL 4.43MHZ (CL=16PF)	1	X202				
45-OSC8M0-0Y0	CRYSTAL 8.0MHZ	1	X001				
45-SAW296-6M0	SAW FILTER K2966M 38.9MHZ	1	Z101				
45-TRA5M5-0Y0	CER TRAP TPS 5.5MHZ	1	X204				
46-12866W-02X	PIN BASE *2 S11-02W	1	P601 FOR F. CAB (SPK)				
46-20598W-04X	PIN BASE *4 TJC1-4A	1	P401 FOR DY CONNECTOR				
46-33079W-02X	PIN BASE *2 TJC3-2A	1	P001 FOR AGING TEST				
46-33079W-02X	PIN BASE *2 TJC3-2A	1	P602 FOR F. CAB (SPK)				
46-33079W-04X	PIN BASE *4 TJC3-4A	1	P402 FOR CRT BD P502				
46-33079W-04X	PIN BASE *4 TJC3-4A	1	P002 FOR F. CTL BD				
46-33079W-05X	PIN BASE *5 TJC3-5A	1	P201 FOR CRT BD P503				
46-33079W-06X	PIN BASE *6 TJC3-6A	1	P101 FOR W. BAL. ADJUST				
46-33079W-06X	PIN BASE *6 TJC3-6A	1	P904 FOR SIDE AV BD P1104B				
47-SCA001-XX0	SCART SOCKET 21 PINS SS101-P	1	P903				
62-10654X-00F	UNI - TIE (2.5MMX95MM)	8					
62-227680-0UA	HOLDER CABLE FOR FBT (2)	1					
62-338900-0HA	LED HOLDER	1					
64-B30080-104	M/C SCREW B 3 X 8	1	FOR IC601				
64-P30060-104	M/C SCREW 3 X 6 (ZINC)	2	FOR IC401 & IC402				
64-P30100-104	M/C SCREW P 3 X 10	2	FOR IC301 & Q402				
65-Z30050-23M	NUT M 3 X 5	2	FOR IC301 & Q402				
66-343730-0B0	HOLLOW RIVET 1.6X3.0XL3.2	2	FOR L412				
66-343730-0B0	HOLLOW RIVET 1.6X3.0XL3.2	3	FOR Q402				
66-343730-0B0	HOLLOW RIVET 1.6X3.0XL3.2	2	FOR T402 (P2, P4)				
66-343730-0B0	HOLLOW RIVET 1.6X3.0XL3.2	2	FOR L411				
66-343730-0B0	HOLLOW RIVET 1.6X3.0XL3.2	2	FOR T402 (P8, P10)				
66-343740-0B0	HOLLOW RIVET 2.3X4.0XL3.5	4	FOR P401				
67-H10918-4M2	HEAT SINK	1	FOR IC402				
67-H24249-2M2	HEAT SINK	1	FOR IC401				
67-H30752-1A0	HEAT SINK	2	FOR IC301 & Q402				
67-H34423-8A0	HEAT SINK A=60MM	1	FOR IC601				
70-271510-00A	SERVICE CARD	1	FOR PRODUCTION USE				
71-270870-0A9	LABEL	3					
90-209770-SR1	KQ6570T	0.0003	FOR Q402 & IC601				
90-269080-ZU0	CLEAN COATING TC-131L 14KG/□	0.0001					
08-21754U-PA1	ASS'Y - PACKING	1					
49-341790-BAT	BATT. R6P AA SUM3 5#	2					
72-21754U-E23	OPERATION MANUAL	1					
74-022032-6WE	POLYBAG (220MMX320MMX0.06MM)	1	FOR OPERATION MANUAL				
74-120120-80HAA	POLYBAG W/SUFFOCATION WARNING	1					

75-347310-C00	POLYFOAM (UL)	1					
75-347320-C00	POLYFOAM (UR)	1					
75-347330-C00	POLYFOAM (LL)	1					
75-347340-C00	POLYFOAM (LR)	1					
76-02175E-OAT	CARTON BOX	1					
08-21754U-PWN	ASS'Y - POWER PARTS	1					
10-05W162-DBX	DIODE ZENER 15V7-16V5 1/2W	1	D838				
10-05W6C2-DBX	DIODE ZENER 6V-6V3 1/2W	1	D840				
10-05W9A3-DBX	DIODE ZENER 8V1-8V5 1/2W	1	D839				
10-1N4148-ABX	DIODE 1N4148 (SWITCHING)	1	D805				
10-1SS136-ABX	DIODE 1SS136	2	D804	D835			
10-HER108-FBX	DIODE HER108 (FAST RECOVERY)	2	D806	D831			
10-T3SB60-H7X	DIODE T3SB60 4.0A 600V	1	DB801				
10-TFR104-FBX	DIODE TFR104 (FAST RECOVERY)	3	D802	D833	D830		
11-SC1815-YBX	TRANSISTOR 2SC1815-Y	4	Q831	Q832	Q833	Q834	
11-SC2611-OAX	TRANSISTOR 2SC2611	1	Q830				
11-SK3298-OAX	TRANSISTOR 2SK3298 (MOS)	1	Q801				
13-00TLP6-21P	IC TLP621	1	IC802				
13-44608P-40P	IC MC44608P40	1	IC801				
18-CB0102-JNX	RES. C.F. 1K OHM 1/6W +/-5%	1	R809				
18-CB0103-JNX	RES. C.F. 10K OHM 1/6W +/-5%	3	R823	R839	R844		
18-CB0332-JNX	RES. C.F. 3.3K OHM 1/6W +/-5%	1	R834				
18-CB0333-JNX	RES. C.F. 33K OHM 1/6W +/-5%	1	R838				
18-CB0392-JNX	RES. C.F. 3.9K OHM 1/6W +/-5%	1	R807				
18-CB0471-JNX	RES. C.F. 470 OHM 1/6W +/-5%	1	R807A				
18-CB0472-JNX	RES. C.F. 4.7K OHM 1/6W +/-5%	1	R806				
18-CB0473-JNX	RES. C.F. 47K OHM 1/6W +/-5%	2	R842	R843			
18-CB0622-JNX	RES. C.F. 6.2K OHM 1/6W +/-5%	1	R846				
18-CD0123-JNX	RES. C.F. 12K OHM 1/4W +/-5%	1	R804A				
18-CD0220-JNX	RES. C.F. 22 OHM 1/4W +/-5%	1	R811A				
18-CD0221-JNX	RES. C.F. 220 OHM 1/4W +/-5%	1	R833				
18-CD0392-JNX	RES. C.F. 3.9K OHM 1/4W +/-5%	1	R835				
18-CD0471-JNX	RES. C.F. 470 OHM 1/4W +/-5%	1	R811				
18-CE0479-JNX	RES. C.F. 4.7 OHM 1/2W +/-5%	1	R832				
18-CE0563-JNX	RES. C.F. 56K OHM 1/2W +/-5%	1	R831				
18-DD0104-FNX	RES. M.F. 0.1M OHM 1/4W +/-1%	1	R804				
18-FG0153-JHX	RES. M.O. 15K OHM 2W +/-5%	1	R837				
18-GG0228-JHX	RES WIRE ROUND 0.22 OHM 2W 5%	1	R810				
18-GJ0103-KTX	RES. CEMENT 10K OHM 5W +/-10%	1	R836				
18-GJ0223-KTX	RES. CEMENT 22K OHM 5W +/-10%	1	R808				
18-KE0105-JNX	RES. H. VOLT. CC 1M OHM 1/2W	1	R802				
18-KF0825-JHX	RES. GLASS GLAZE 8.2M OHM 1W	1	R812				
20-TR103H-5CX	TRIMMER B10K HORIZ TYPE	1	VR830				
22-NTC479-XX0	NTC 4.7 OHM +/-18% NTC4.7D2-14	1	RT802				
22-PTC200-XX1	PTC 20 OHM +/-20%	1	RT801				
25-382890-M1X	CAP. ELEC 150 UF 400V +/-20%	1	C806				
25-BCA102-M1X	CAP. ELEC 1000 UF 16V +/-20%	1	C849				
25-BCB471-M1X	CAP. ELEC 470 UF 16V +/-20%	1	C843				
25-BEB100-M1X	CAP. ELEC 10 UF 35V +/-20%	1	C812				
25-BEG222-M1X	CAP. ELEC 2200 UF 35V +/-20%	1	C832				
25-BJG101-M1X	CAP. ELEC 100 UF 160V +/-20%	1	C827				
26-AGK221-KRX	CAP. CER 220 PF 250V +/-10%	1	C830				
26-AIC472-KBX	CAP. CER 4700 PF 500V +/-10% B	2	C808	C807			
26-AIM103-KBX	CAP. CER 0.01 UF 500V +/-10% B	2	C805	C834			
26-AKK221-KRX	CAP. CER 220 PF 1KV +/-10% R	1	C833				
26-AMK102-KRX	CAP. CER 1000 PF 2KV +/-10% R	1	C815				
26-APK222-MEJ	CAP. CER 2200PF 400VAC +/-20% E	1	C816				
26-APK471-KBX	CAP. CER 470PF 400VAC +/-10% B	2	C803	C804			
26-EBP101-JCX	CAP. CER 100 PF 50V +/-5% CH	1	C814				
26-EBP102-KBX	CAP. CER 1000 PF 50V +/-10% B	2	C848	C804A			
26-EBP104-ZFX	CAP. CER 0.1 UF 50V +/-5% F	3	C842	C813	C831		
26-EBP221-JCX	CAP. CER 220 PF 50V +/-5%	1	C841				
26-EBP471-JCX	CAP. CER 470 PF 50V +/-5%	1	C851				
27-AQT224-MV1	CAP. M.PP 0.22UF 250VAC +/-20%	1	C801				
27-MBC104-JOX	CAP. M.P.E. 0.1 UF 50V +/-5%	2	C811	C848A			
27-MHM104-KOX	CAP. METAL P.E. 0.1UF 400V 10%	1	C802A				
27-RJP472-JOX	CAP. PP 4700 PF 630V +/-5%	1	C809				
34-R101K2-1BX	COIL CHOKE 100 UH +/-10%	1	L804				
35-139730-00X	FERR. BEAD BF60	2	FOR D806				

35-139730-00X	FERR. BEAD BF60	2	FOR D833				
35-139730-00X	FERR. BEAD BF60	2	FOR D831				
35-139730-00X	FERR. BEAD BF60	2	FOR D830				
36-LIF010-XX0	LINE FILTER LCL-2821A	1	T801				
36-TRF048-XX0	TRANSFORMER CONV. BCK-4001-72A	1	T803				
41-WJ0050-B00	WIRE BARE JUMPER 5MM	5	J827	J830	J831	J832	J826
41-WJ0050-B00	WIRE BARE JUMPER 5MM	3	J825	J828	J829		
41-WJ0060-B00	WIRE BARE JUMPER 6MM	1	J818				
41-WJ0080-B00	WIRE BARE JUMPER 8 MM	2	J809	J808			
41-WJ0090-B00	WIRE BARE JUMPER 9MM	2	J805	J815			
41-WJ0100-B00	WIRE BARE JUMPER 10MM	4	J810	J820	J821	R804B	
41-WJ0125-B00	WIRE BARE JUMPER 12.5MM	5	J806	J812	J813	J814	J804
41-WJ0150-B00	WIRE BARE JUMPER 15MM	2	J811	J802			
41-WJ0160-B00	WIRE BARE JUMPER 16MM	1	J833				
41-WJ0175-B00	WIRE BARE JUMPER 17.5MM	2	J801	J807			
41-WJ0200-B00	WIRE BARE JUMPER 20MM	1	J803				
46-10962W-02X	PIN BASE *2 TJC2-2A	1	P801 FOR DEGAUSSING COIL				
46-28559W-02X	PIN BASE *2 TJC1-2A	1	P802 FOR POWER CORD				
48-325390-002	SWITCH POWER PS5E-B	1	S801				
50-26930D-1VS	FUSE 2.0AT 250VAC 5X20MM BELL	1	F801				
51-DC0243-0CH	POWER CORD VDE PLUG W/HOUSING	1					
64-B30100-104	M/C SCREW B 3 X 10	1	FOR Q801				
66-20516X-0B0	FUSE HOLDER	2	FOR F801				
66-343730-0B0	HOLLOW RIVET 1.6X3.0XL3.2	4	FOR T803 (P1, P8, P9, P16)				
66-343730-0B0	HOLLOW RIVET 1.6X3.0XL3.2	2	FOR C827				
66-343730-0B0	HOLLOW RIVET 1.6X3.0XL3.2	2	FOR DB801				
66-343740-0B0	HOLLOW RIVET 2.3X4.0XL3.5	2	FOR P802				
66-343740-0B0	HOLLOW RIVET 2.3X4.0XL3.5	2	FOR C806				
67-H34410-1A0	HEAT SINK	1	FOR Q801				
71-DYP000-WX1	LABEL	1	STICK NO H. SINK (Q801)				
90-209770-SR1	KQ6570T	0.0003	FOR Q801				
08-21754U-RCN	ASS'Y - REAR CABINET	1					
54-114000-00X	FELT TAPE (150X19)MM	10	STICK ON R. CAB				
55-356640-0EN	REAR CABINET	1					
58-2175MP-JKT	PLATE MODEL NO.	1					
58-347960-3UI	INLAY REAR AV	1					
59-130460-00X	RUBBER PAD (25MMX7MM)	2	STICK ON R. CAB (FOOTING)				
62-314340-0UN	FBT SUPPORTER	1	FOR FBT				
63-B40200-AB2	S/T SCREW B 4 X 20 AB	4	MTG FRONT & R. CAB				
63-W30100-AB4	S/T SCREW W 3 X 10 AB	2	MTG SUPPORTOR & R. CAB				
08-HS46F0-M17	ASS'Y - REMOTE HANDSET	1					
11-0BC337-0BX	TRANSISTOR (NPN) BC337-40	1	Q1501				
13-TC9028-22B	IC TC9028F-022 (IR TRANS.)	1	IC1501				
14-IRE05B-XX0	INFARED EMITTING DIODE	1	D1501				
18-CB0109-JNX	RES. C.F. 1 OHM 1/6W +/-5%	1	R1501				
18-CB0682-JNX	RES. C.F. 6.8K OHM 1/6W +/-5%	1	R1502				
25-HBB470-M1X	CAP. ELEC 47UF 10V +/-20%	1	C1502				
26-EBP101-JCX	CAP. CER 100 PF 50V +/-5% CH	2	C1503	C1504			
40-2111MU-RMA	P.C.B. REMOTE HANDSET	1					
45-COS455-KY0	CERAMIC RESONATOR 455KHZ	1	X1501				
49-HS46F0-00X	RUBBER PAD KEYS	1					
55-HS46FB-OHA	CASE LOWER - REMOTE HANDSET	1					
55-HS46FD-OHA	DOOR BATT. - REMOTE HANDSET	1					
55-HS46FT-OHA	CASE UPPER - REMOTE HANDSET	1					
58-HS46F0-YUI	INLAY IR TRANSMITTER BD	1					
63-B26060-BT2	S/T SCREW B 2.6 X 6 BT	1					
67-26968X-OE2	BATT. TERMINAL (+/-)	1					
67-310280-OE2	SPRING - BATTERY (-)	1					
67-310290-OE2	SPRING - BATTERY (+)	1					
74-009022-60C	POLYBAG HANDSET (9CMX22CM)	1					
	The last ECN Number	0					

Flowchart chart of alignment procedure for M17 chassis:



ALIGNMENT PROCEDURE FOR M17 CHASSIS:

D-mode:

Enter D-Mode by pressing D-Mode ON/OFF key, and then you can enter the D-mode.

S-mode:

Enter S-Mode by pressing VOLUME DOWN key on the unit until the volume decrease to minimum level, then press the DISPLAY key on the remote handset (don't release the volume key) and you can enter S- mode.

After enter D-mode or S-mode, you can adjust the setting according to the following procedure,

Press "1" to enter the white balance alignment menu,

Item	Description
RCUT	Red cutoff
BCUT	Blue cutoff
GCUT	Green cutoff
BDRV	Blue drive
GDRV	Green drive

Press "2" to enter picture geometry alignment menu for PAL system,

Item	Description
VPOS50	PAL V. Position
HIGH50	PAL V. Size
VLIN50	PAL V. Linearity
VSC50	PAL V-S correction
OSDV50	PAL V. position of OSD
HPOS50	PAL H. Position

Press "3" to enter picture geometry alignment menu for NTSC system,

Item	Description
VPOS60	NTSC V. Position
HIGH60	NTSC vertical size
VLIN60	NTSC V. Linearity
VSC60	NTSC V-S correction
OSDV60	NTSC V. position of OSD
HPOS60	NTSC H. Position

Press “4” to enter sharpness setting menu,

Item	Description	Default data
SHPTV3	50% sharpness in 3.58 system (TV)	20
SHPAV3	50% sharpness in 3.58 system (AV)	1A
SHPTV4	50% sharpness in 4.43 system (TV)	1D
SHPAV4	50% sharpness in 4.43 system (AV)	1A
SHPX	Maximum sharpness	3F
SHPN	Minimum sharpness	10

Press “5” to enter sound alignment menu,

Item	Description	Default data
NIML	NICAM sound output level	07
VOL1	Output level of left channel (FM)	07
VOL2	Output level of right channel (FM)	07
DRIFT	Sync. Pulse error allowance	03
HCOUNT	Sync. pulse counting	06

Press “6” to enter AGC and volume setting,

Item	Description	Default data
RFAGC	AGC setting	22
HAFC	HAFC setting.	00
S-R-Y	Sub color for system	09
S-B-Y	Sub color for system	06
VOL01	Volume output level at 1%	00
VOL25	Volume output level at 25%	18
VOL50	Volume output level at 50%	31

Press “7” to enter system setting,

Item	Description	Default data
VCDM0	System setting	68
VCDM1	System setting	00
VCDM2	System setting	40
MOD0	System setting	00
MOD1	System setting	32
MOD2	System setting	F0
OPTION	System setting	04

Press “8” to enter picture alignment menu 1,

Item	Description	Default data
SCNT	Sub contrast for luminance signal	0A
CNTX	Maximum contrast	3F
CNTN	Minimum contrast	08
BRTX	Maximum brightness	38
BRTN	Minimum brightness	18
COLX	Maximum color	7F
COLN	Minimum color	00

Press “9” to enter picture alignment menu 2,

Item	Description	Default data
CNTC	50% contrast	26
BRTC	50% brightness	38
COLC	50% color	40
TNTC	50% tint	40
COLP	Color level for PAL	00
COLS	Color level for SECAM	40
BRTS	Sub brightness for SECAM	00

Press “0” to enter OSD setting menu,

Item	Description	Default data
OSD	Horizontal position of OSD	0E
TXCX	OSD intensity when maximum contrast	30
RGCN	OSD intensity when minimum contrast	0D
TNTX	Maximum tint level	7F
TNTN	Minimum tint level	7F

I) Adjustment of B+ voltage

1. Apply 110-240VAC($\pm 5V$) to mains power input, and Philips standard testing pattern to RF input.
2. Adjust VR801 in STANDARD mode until voltage at TP2 (B+) is $112V \pm 0.5V$.

II) Adjustment of VCO and AFT

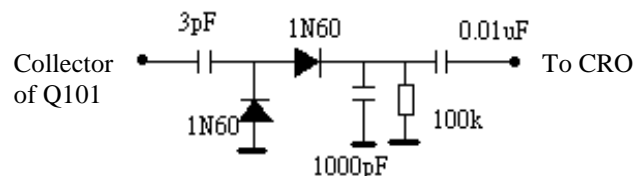
1. Apply a 38.9MHz signal to the IF input.
2. Monitor the DC voltage at pin 48 of IC201.
3. Adjust T201 until the voltage at pin 48 of IC201 becomes $4.62 \pm 0.2V$ (the picture must stable).
4. Enter D-mode and press the AFT (update/BBE) button. It will start Auto AFT Adjustment and the screen will show “PIFAFT OK” if the process is finished.

III) NICAM Adjustment (for NICAM model only)

1. Apply a 38.9MHz color bar with NICAM signal to the IF input.
2. Monitor the DC voltage at pin 15 of IC1101.
3. Adjust T1101 until the voltage at pin 15 of IC1101 becomes $2.5 \pm 0.1V$.
4. Then check the waveform at pin 4 and 6 of P1103 and it must show correct audio signal.

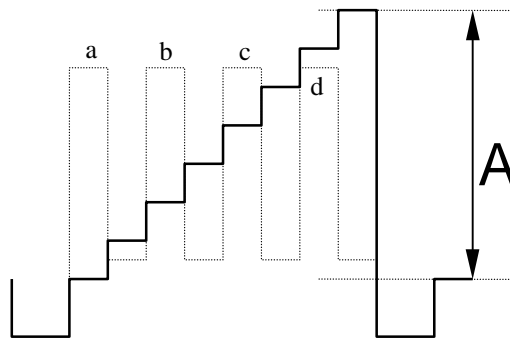
IV) The alignement of RFAGC

1. Connect the detector shown below to collector of Q101.
2. Receive a grey scale signal with 70dB μV amplitude.
3. Adjust RFAGC item until the output of the detector becomes 0.8Vpp



V) Adjustment of Sub-contrast, Sub-tint and Sub-colour for NSTC and PAL signal.

1. Enter D-mode, and connect the probe of Oscilloscope to the conjunction between R217 and P201 (B-out).
2. Apply the Grey-scale/Colour-bar (NTSC signal) to the AV input, in STANDARD status.
3. Select CNTC to adjust the sub-contrast, until that the amplitude "A" is $2.5V_{p-p}$ as shown below.
4. Select COLC to adjust the sub-colour by tuning the amplitude of "a" and "d" to the same.
5. Select TNTC to adjust the sub-tint by tuning the amplitude of "b" and "c" to the same.
6. Apply the Grey-scale/Colour-bar (PAL signal) to the AV input, in STANDARD status.
7. Select COLP to adjust the sub-colour by tuning the amplitude of "a", "b", "c" and "d" to the same.



VI) Adjustment of Focus, Screen Voltage and Sub-brightness

1. Receive a crosshatch pattern.
2. Adjust the "FOCUS" VR on the flyback the make the picture clear.
3. Enter D-mode and press "1--" key and the screen will become a horizontal line. Then adjust the "SCREEN" VR on the flyback transformer to set the intensity of the line to a minimum visible level (the line can just be seen).
4. Press "1--" key again and the TV will become full raster.
5. Select BRTC to adjust the sub-brightness, until that the 2nd dark bar of 8 level grey scales just can be seen.

VII) Adjustment of White balance

1. Receive a black and white pattern at STANDARD status.
2. Use a color analyzer to measure the black side of the screen. By changing the value of BCUT and GCUT, set the reading of the color analyzer to $x=284, y=299$.
3. Then measure the white side of the screen. By changing the value of BDRV and GDRV, set the reading of the color analyzer to $x=284, y=299$.
4. Repeat step 2&3 until you can get the correct reading for both black and white sides.

VIII) Adjustment of Pincushion and Picture Width (for pure flat model only)

1. Receive a crosshatch pattern.
2. Adjust VR302 until the vertical line become straight.
3. Adjust VR303 for horizontal size.

IX) Adjustment of Picture Geometry (PAL)

1. Apply the crosshatch pattern (PAL signal) to the RF input, in STANDARD status.
2. Select HPOS50 to adjust the Horizontal center.
3. Select VPOS50 to adjust the Vertical center.
4. Select HIGH50 to adjust the Vertical amplitude.
5. Select VLIN50 to adjust the vertical linearity.
6. Select VSC50 to adjust the vertical S-correction.

X) Adjustment of Picture Geometry (NTSC)

1. Apply the crosshatch pattern (NTSC signal) to the RF input, in STANDARD status.
2. Select HPOS60 to adjust the Horizontal center.
3. Select VPOS60 to adjust the Vertical center.
4. Select HIGH60 to adjust the Vertical amplitude.
5. Select VLIN60 to adjust the vertical linearity.
6. Select VSC60 to adjust the vertical S-correction.

XI) Adjustment of OSD position

1. Enter D-mode and press key “0”, then choose OSD item and adjust the OSD horizontal position.
2. Enter D-mode and press key “2”, then choose the OSDV50 item and adjust the OSD horizontal position.
3. Enter D-mode and press key “3”, then choose the OSDV60 item and adjust the OSD horizontal position.

System setting of M17

VCDM0 (default value: 68)

BIT	Item
0	System switch: 0 : normal identify mode 1 : weak signal identify mode
1	White peak suppress: 0: on 1: off
2,3	ABL gain 00: -0.74v 01: -0.64v 10: -0.37v 11: -0.12v
4,5	ABL start point 00: -0.01v 01: -0.11v 10: -0.3v 11: -0.45v
6	CW-SW: TB1238N, pin 29 Fsc CW output 0 : AUTO, 1 : 4.43M
7	In force system mode, the status of color killer when weak signal 0: on 1: off

VCDM1 (default value: 00)

BIT	Item
0	Blanking: 0: on 1: off
1,2,3,4,5	V-Mute timing: = 200ms + 8ms ×Data
6	Base band filter in NTSC system: 0: on, 1: off
7	VMOD

VCDM2 (default value: 40 for 38MHz IF, 30 for 38.9MHz IF)

BIT	Item
0	AFT-mute: 0: on 1: off
1	SECAM-ADJ: 0: SECAM correction off 1: SECAM correction on
2	TB1238N_VMOD
3	PIF VCO ADJ 0: follow bit 0 1: manual adjust
6,5,4	IF frequency: 111: 33.9MHz 110: 33.95MHz 101: 34.47MHz 100: 38MHz 011: 38.9MHz 010: 39.5MHz 001: 45.75MHz 000: 58.75MHz
7	No use

MODE0

BIT	Item
0	0: normal AV 1: SCART
1	0: English 1: English + Chinese
2	Low Noise Amp. at tuner: 0: off 1: on
3	No use
4, 5, 6, 7	Muting time when power on: 8ms ×16 ×data (max. 1920ms)

MODE1

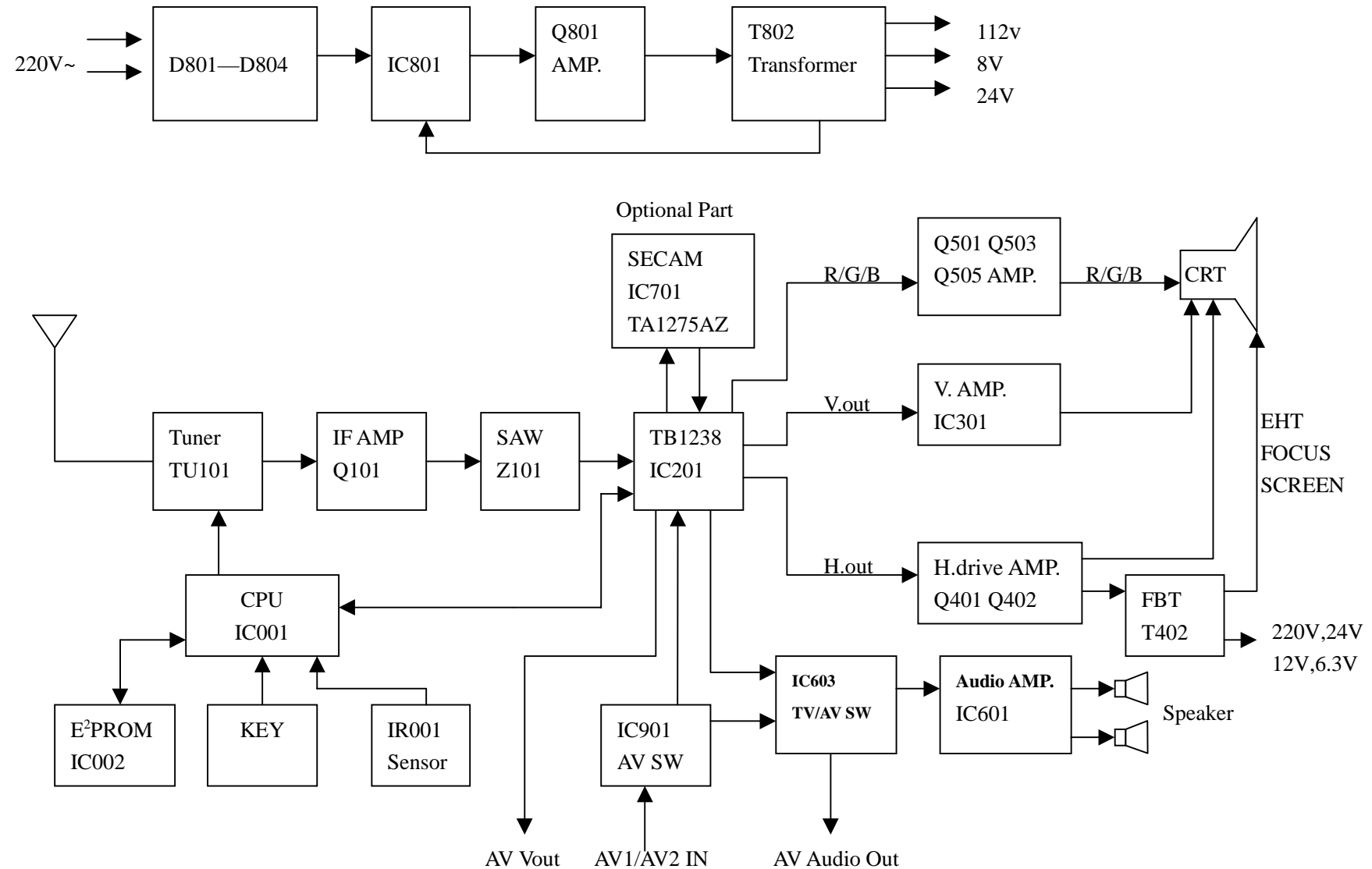
BIT	Item
0	Logo: 0: disable 1: TCL Logo
1	No. of channel: 0: 49 1: 99
2	No use
3	Menu background 0: disable 1: black background
4	No. of AV 0: 1 1: 2
5	SECAM 0: off 1: on
6	D-mode 0: enable 1: disable
7	No use

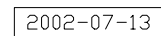
MODE2

BIT	Item
0	Teletext 0: off 1: on
1	NICAM & IGR 0: off 1: on
2	No use
3	No use
4	BG: 0: off 1: on
5	I: 0: off 1: on
6	DK: 0: off 1: on
7	M: 0: off 1: on

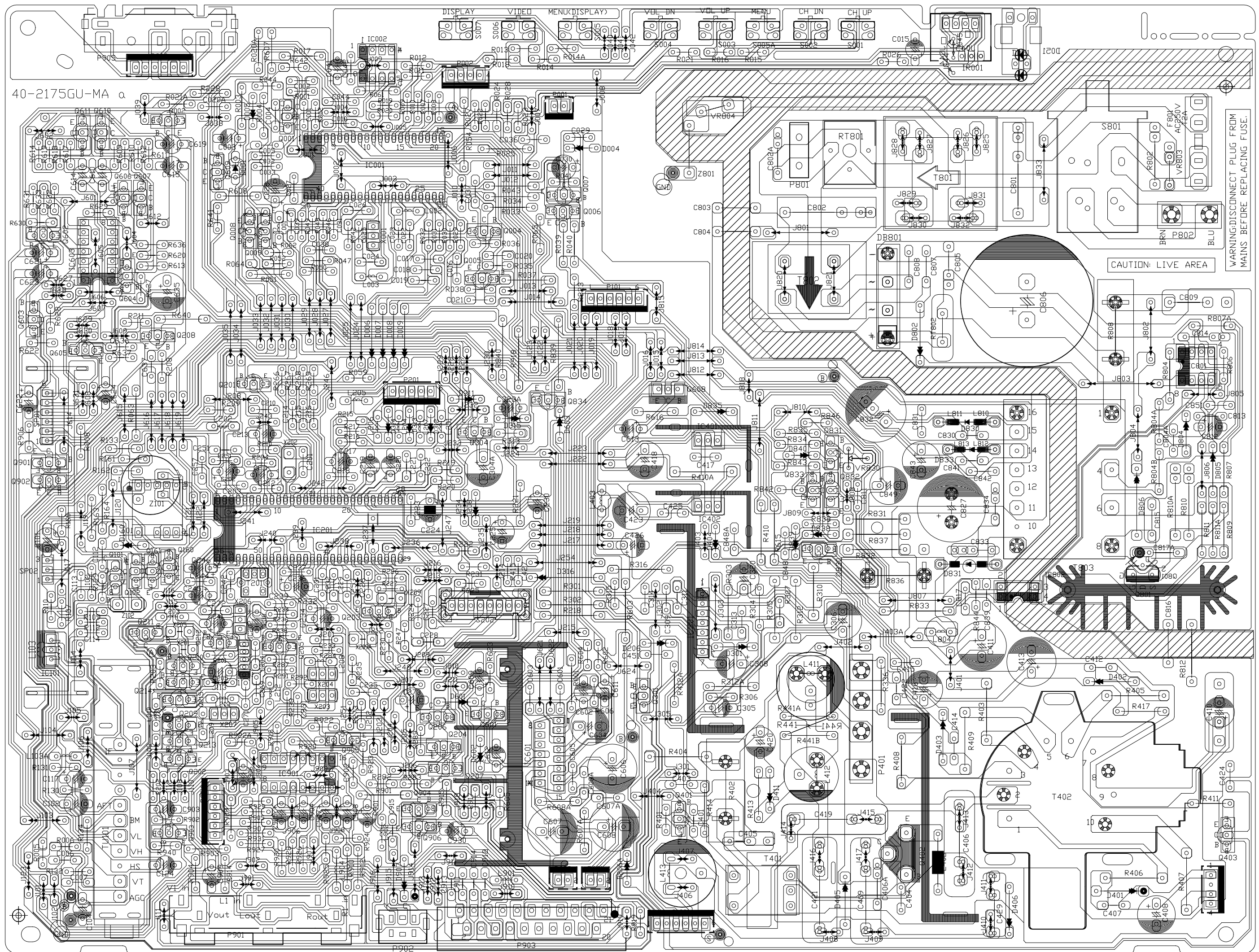
OPTION (default value: 04)

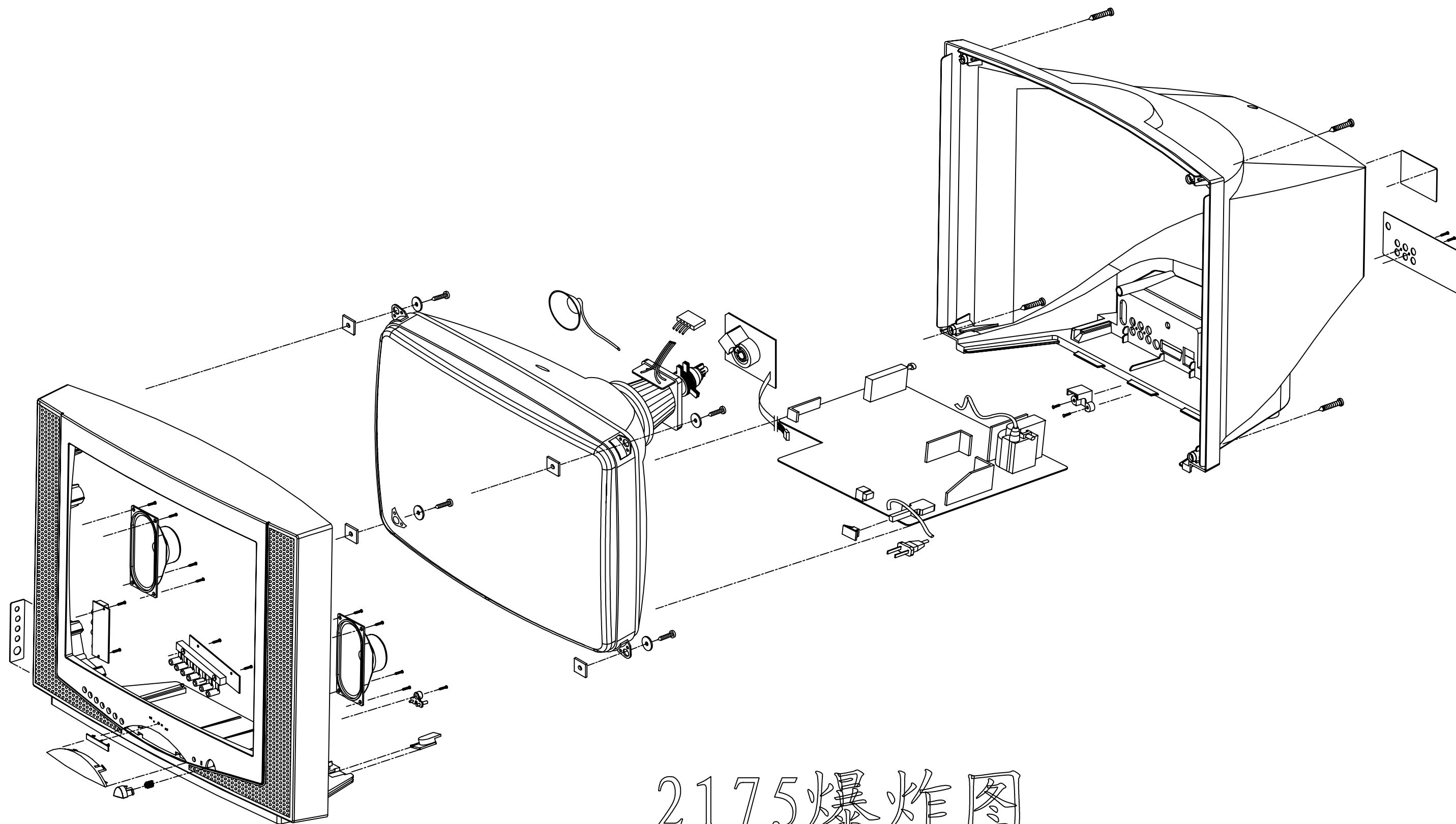
BIT	Item
0	When blue background off (mute pin of CPU): 0: audio mute on 1: audio mute off
1	When blue background off (external mute pin of CPU): 0: audio mute on 1: audio mute off
2	When change channel: 0: picture mute off 1: picture mute on
3	Audio demodulation gain setting: 0: 50KHz 1: 25KHz
4	When no signal: 0: search channel by changing VT 1: use memorized VT
5	Power on mode: 0: previous 1: force standby
6	No use
7	No use





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