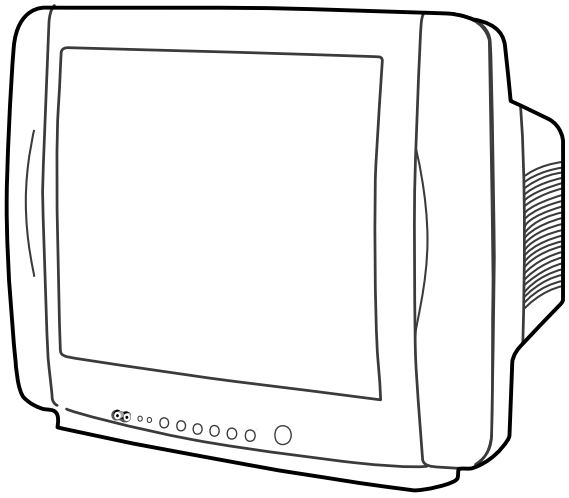
SERVICE MANUAL

H-704V CHASSIS



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• SAFETY PRECAUTION

WARNING: Service should not be attempted by anyone unfamiliar with the necessary precaution an this receiver. The following are the necessary precaution to be observed before servicing.

1. Always discharge the picture tube anode to the CRT conductive coating before handing the picture tube. The picture tube is highly evacuated and if broken, glass fragments will be violently expelled. Use shatterproof goggles and keep picture tube away from the body while handing.
2. When replacing chassis in the cabinet, always be certain that all the protective devices are put back in place, such as; nonmetallic control knobs, insulating covers, shields, isolation resistor-capacitor network, etc.
3. Before returning the set to the customer, always perform an AC leakage current check on the exposed metallic parts of the cabinet, such as antennas, terminals, screw heads, metal overlays, control shafts etc. to be sure the set is safe to operate without danger of electrical shock. Plug the AC line cord directly onto a 110/220V AC outlet. Use an AC voltmeter having 500 ohms per volt or more sensitivity in the following manner. Connect a 1500 ohm 10 watt resistor, paralleled by a 0.15 µF, AC type capacitor, between a known good earth ground (water pipe, conduit etc.) and the exposed metallic parts, one at a time. Measure the AC voltage across the combination of 1500 ohm resistor and 0.15 µF capacitor. Reverse the AC plug at the AC outlet and repeat AC voltage measurements for each exposed metallic part. Voltage measured must not exceed 0.3 volts RMS. This corresponds to 0.2 milliamp. AC Any value exceeding this limit constitutes a potential shock hazard and must be corrected immediately.

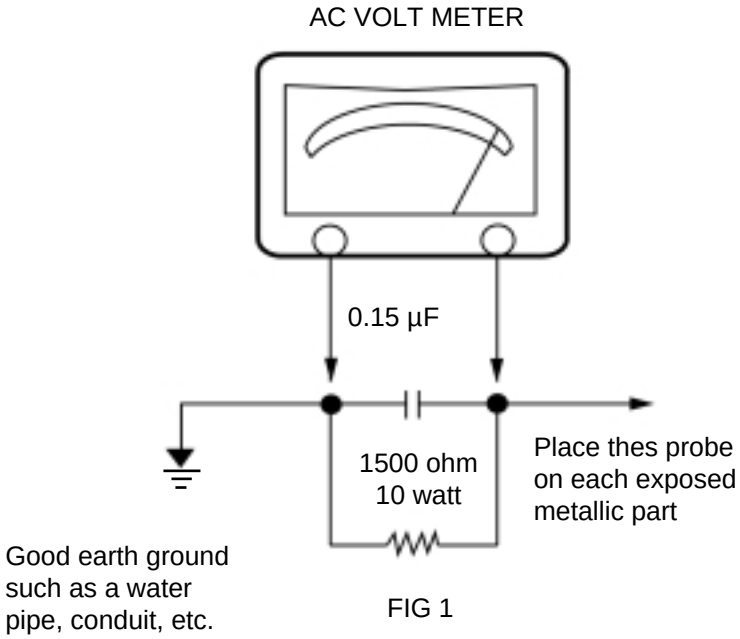


FIG 1

1. SAFETY INSTRUCTIONS

1-1 PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in this chassis have special safety-related characteristics.

These characteristics are often passed unnoticed by a visual inspection and the protection afforded by them cannot necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are Identified in this manual and its,

Supplements : Electrical components having such features are identified by shading on the schematic diagram and the part list. Before replacing any of these components, read the parts list in this manual carefully. The use of sub,situte replacement parts which do not have same safety characteristics as specified in the parts list may create shock, fire or other hazards.

1-2 SERVICE NOTES

1. When replacing parts or circuit boards, clamp the lead wires to terminals before soldering.
2. When replacing a high wattage resistor (metal oxide film resistor in the circuit .board) keep the resistor min 1 /2inch away from the circuit board.
3. Keep wires away from high voltage or high temperature components.

2. GENERAL INSTRUCTIONS

2-1 CONVERGENCE MAGNET ASSEMBLY POSITIONING

Convergence magnet assembly and rubber wedges need mechanical positioning following figure 2.

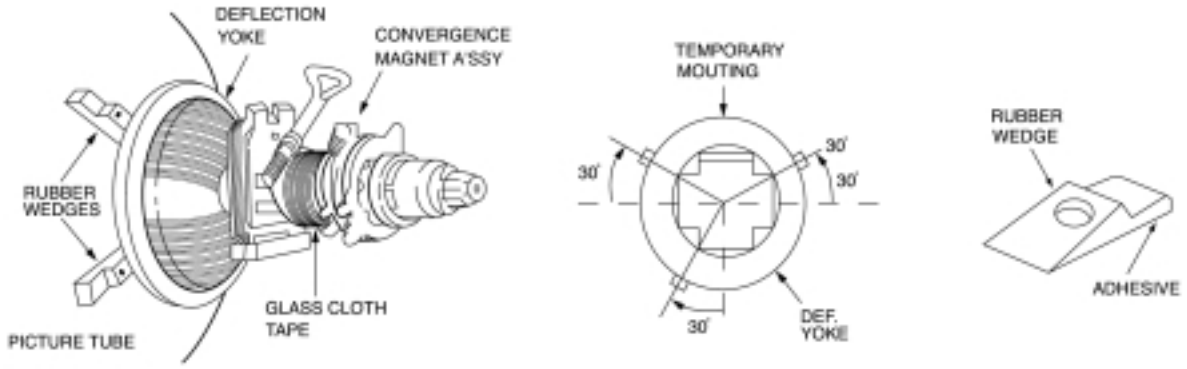


FIG. 2 Rubber Wedges Location

2-2 COLOR-PURITY-ADJUSTMENT

NOTE : Before attempting any purity adjustments, the receiver should be operated for at least 15 minutes.

1. Demagnetize the picture tube and cabinet by using a degaussing coil.
2. Turn the CONTRAST and BRIGHTNESS controls to maximum.
3. Adjust RED and BLUE BIA, 5 controls to provide only a green rather.
4. Loosen the clamp screw holding the yoke, and slide the yoke backward to provide vertical green belt(zone) in the picture screen.
5. Remote the Rubber Wedges.
6. Rotate and spread the tabs of the purity magnet(See figure 3) around the neck of the picture tube until the green belt is in the center of the screen. At the same time, center the raster vertically.
7. Move the yoke slowly forward until a uniform green screen is obtained.

   Tighten the clamp screw of the yoke temporarily.
8. Check the purity of the red and blue raster by adjusting the BIAS controls.
9. Obtain a white raster, referring to “CRT GRAY SCALE ADJUSTMENT”.
10. Proceed with convergence adjutment.

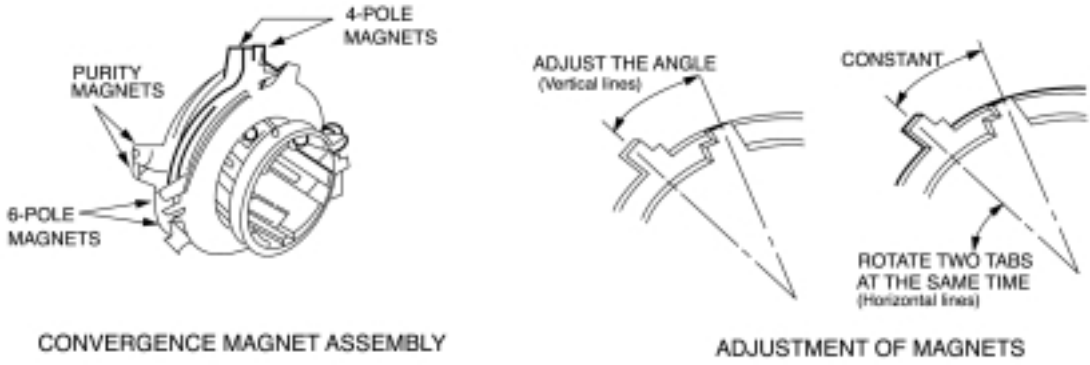


FIG. 3

2-3 CONVERGENCE ADJUSTMENTS

NOTE : Before attempting any convergence adjutment, the receiver should be operated for at least 15 minutes.

2-3-1 CENTER CONVERGENCE ADJUSTMENT

1 . Receive a crosshatch pattern with a color bar signal generator.
2. Adjust the BRIGHTNESS and CONTRAST controls for a well defined pattern.
3. Adjust two tabs of the 4-pole Magnets to change the angle between them (See figure 3)and superimpose red and blue vertical lines in the center area of the picture screen.
4. Turn both tabs at the same time keep in their angles constant to superimpose red and blue horizontal lines at the center of the screen. (See figure 4).
5. Adjust two tabs of 6-Pole Magnets to superimpose red/blue line with green one.
   Adjusting the angle affects the vertical lines and rotating both magnets affects the horizontal lines.
6. Repeat adjustment 3, 4, 5 Keeping in mind red. green and blue movement, because 4-Pole Magnets and 6-Pole Magnets interact and make dot movement complex.

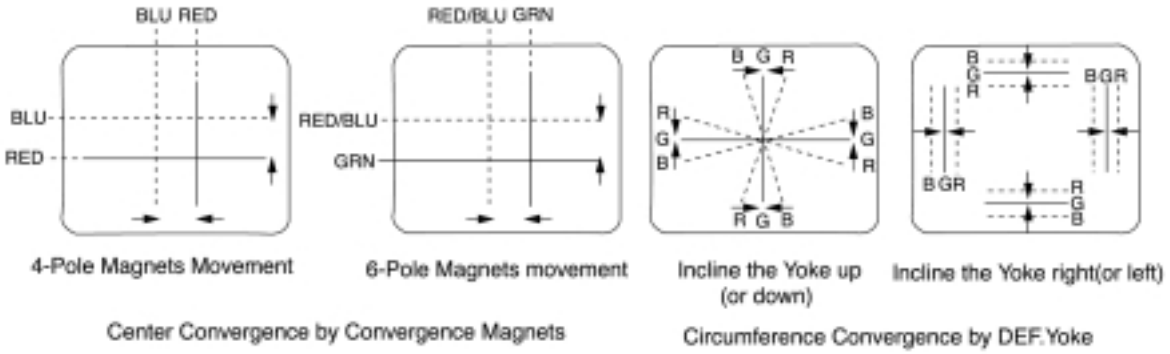


FIG. 4

2-3-2 CONVERGENCE ADJUSTMENT

NOTE : This adjustment requires Rubber Wedge Kit.

1. Loosen the clamping screw of deflection yoke to allow the yoke to tilt.
2. Place a wedge as shown in figure(2) temporartily.
   (Do not remove cover paper on adhesive part of the wedge.)
3. Tilt the front of the deflection yoke up or down to obtain better convergence in circumference (See figure 4) Push the mounted wedge into the space between picture tube arid the yoke to hold the yoke temporarily.
4. Place other wedge into bottom space arid remove the cover paper to stick.
5. Tilt the front of the yoke right or left to obtain better convergence in circumference
   (See figure 4.)
6. Hold the yoke position arid put another wedge in upper space, remove cover paper and stick the wedges, recheck overall convergence .
7. Detach the temporarily mounted wedge and put it in another upper space.
   Stick 2 on picture tube to fix the yoke.
8. After placing three wedges, recheck overall convergence.
   Tighten the screw firmly to hold the yoke tightly in place.
9. Stick 3 adhesive tapes on wedges as shown in figure 2.

3. SPECIFICATIONS

ITEM			SPECIFICATION	REMARK
1 GENERAL	1) MODEL NO.		H-704V	
	2) CHASSIS NO.		VOLTAGE SYNTHESIZE (WITH REMOCON)	
	3) TUNING SYSTEM	1) METHOD		
		2) CHANNEL OF PROGRAM	100 CHS	
		3) REMOTE CONTROLLER		
2 ELECT-RICAL	1) CCIR STANDARD		B/G, D/K,I, M(option)	
	2) COLOR STANDARD		PAL,SECAM, NTSC (option)	
	3) ANT. INPUT	1) TERMINAL	75 OHM ONLY (UHF VHF 1 INPUT)	
		2) ANTENNA	DIPOLE 700 3STEP	
	4) TUNER	1) TYPE	ELECTRONIC & VARACTOR	
		2) PART NO	DT5-BF14D(DAEWOO), LG TUNER	
	5) RECEPT10N CHANNEL	1) VHF	L:S6~E2 H:S36~37	
		2) UHF	E69~S37	
	6) IF & SUBCAR RIER	1) PIF	38.9MHz	
		2) SIF	DEPAND ON CCIR STANDARD	
		3) SOUND SUBCARRIER	4.5(OPTION), 5.5, 6.0, 6.5MHz	
	7) SOUND TRANSMISSION (DECODING) SYSTEM		F.M	
	8) MAINS	1) VOLTAGE & FREQUENCY	AC 90-250V, 50/60Hz	
		2) CORD	CONTINENTAL PLUG	
		3) POWER CONSUMPTION	14" : 68[W] 20" : 75[W] 21" : 80[W]	
	9) COUNTRY			
	10) SAFETY STANDARD		NONE	
	11) AUX TERMIN-AL	1) INPUT	AV 1,2 INPUT (RCA JACK)	
		2) OUTPUT	MONITOR OUT (RCA JACK)	
	12) DISPLAY	1) TYPE	CATHODE RAY TUBE	
		2) SIZE		
		3) PART NO.		
	13) AUDIO	1) OUTPUT POWER	5+5 WATTS MAX	
		2) SPEAKER	8 OHM 5W(2EA)	

ITEM			SPECIFICATION		REMARK
3. USER CONTR-OL & ACCES-SORIES	1. CONTROL	1) SET 2) REMOTE CONTROLLER	- MENU - CH UP - CH DOWN - VOL UP - VOL DOWN - TV/VIDEO SELECT		
			POWER	0-9	
			TV/AV/SAT(SAT:OPTION)	MUTE	
			CH UP	SLEEP	
			CH DOWN	FUZZY	
			VOL UP	SOUND(STREO OPTION)	
			VOL DOWN	DISPLAY	
			MENU	QUICK VIEW	
			TIMER	PICTURE	
			OK	S-MENU(SAT OPTION)	
			STORE(SAT OPTION)	SCREEN(SAT OPTION)	
			SCAN(SAT OPTION)	SCREEN(SAT OPTION)	
			R,G,B,Y(TTX OPTION)		
4. SPECIAL NOTES			- NO SIGNAL AUTO POWER OFF (AFTER 15 MINUTES) - WHITE BALANCE CONTROL SERVICE KEY (FOR FACTORY) - LANGUAGE (MULTI) - FUZZY PICTURE CONTROL (NOMAL1, NOMAL2, FOVORITE) - ON SCREEN DISPLAY - 24 HOURS PROGRAMMABLE ON/OFF FUNCTION - AUTO AGC CONTROL		
5. OPTION			- DC POWER(OPTION) - RF/AV STEREO (OPTION)/NTSC (EXCEPT RF STEREO) - TTX(OPTION) - SCART JACK		

4. INSTRUCTION MANUAL

HOW TO GET THE BEST SATISFACTION FROM YOUR NEW COLOR TV SET

To get the best satisfaction with your new COLOR TV SET, please read carefully and follow the instruction in this guide.
We recommend that you read it before turning on your TV for the first time.

INSTALLATION

ANTENNA
Unless your TV is connected to a cable TV system or to a centralized antenna system, a good outdoor color TV antenna is recommended for the best performance. However, exceptionally, if you are in good signal area that is free from interference of an electric wave, then an indoor antenna may be sufficient.

LOCATION(Ventilation)
Select an area where sunlight or bright indoor illumination will not fall directly on the TV screen. When you place your COLOR TV, don't forget to leave an interval of at least 10cm from the wall to prevent overheating.

POWER
Insert the power cord plug into 110/220, (100-240 Volts Automatic Voltage Regulator) 50/60 Hertz outlet.

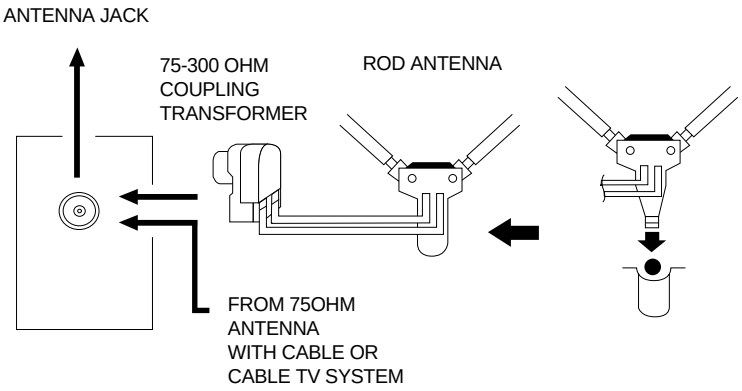
Or, Insert the DC CAR cord plug into 9-13V outlet (option)
Please, Do not use DC power cord plug and AC power cord plug, together.

4-1. VHF ANTENNA or CABLE HOOK UP

At first, insert the lead of rod antenna into antenna adapter.
And connect antenna adapter to tuner jack. This antenna will provide an excellent picture in most areas. For the best picture quality, adjust the length and position of antenna.

NOTE 1
If you don't get good picture quality with an indoor antenna, an outdoor antenna is recommended. In this case you should disconnect the indoor antenna before connecting an outdoor antenna to the TV.

●MAKE REFERENCE TO THE BELOW THE PICTURE



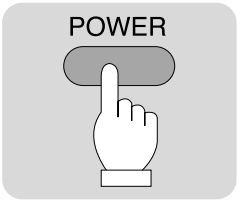
TV SET OPERATION

Generally, REMOTE CONTROLLER has all the functions of the TV for normal use.

4-2. TO TURN ON/OFF THE TV SET

1-1 To turn on the TV, press MAIN POWER BUTTON on the front of TV, then press any BUTTON on the PANEL or REMOTE CONTROLLER.

1-2 To turn off the TV, press POWER BUTTON on the PANEL or REMOTE CONTROLLER.

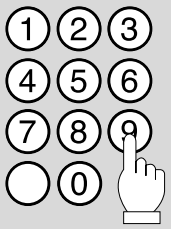


4-3. TO SELECT CHANNEL

You can select the channels with CHANNEL NUMBER buttons or CHANNEL UP/DOWN button.

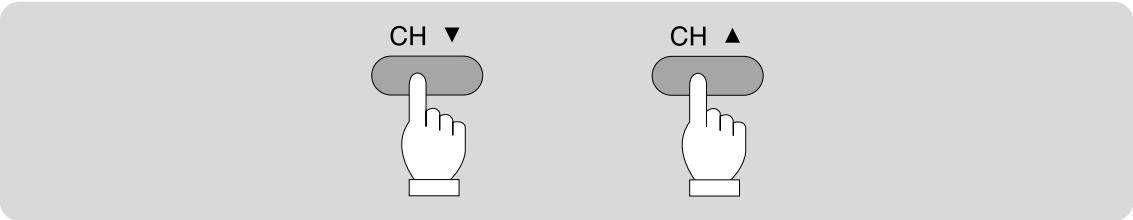
4-3-1. TO SELECT CHANNEL DIRECTLY

Press the channel number you want with the number buttons. You can select 0~99 channels.



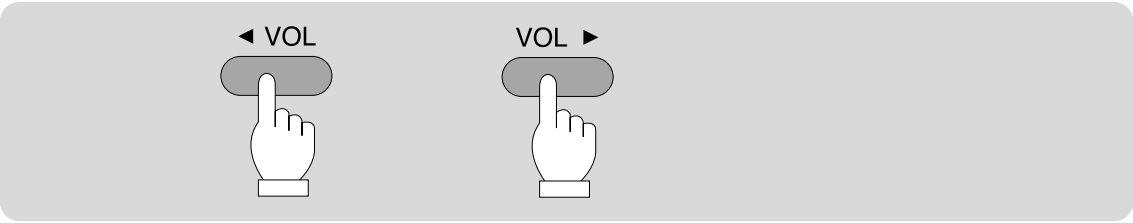
4-3-2. TO SCAN THROUGH CHANNELS

Press the CH UP/DOWN buttons on the PANEL or REMOTE CONTROLLER to find the channel you want to see.



4-4. TO ADJUST VOLUME

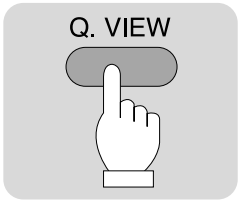
To increase or decrease the volume, press the VOLUME UP/DOWN buttons on the PANEL or REMOTE CONTROLLER.



4-5 OTHER FUNCTIONS

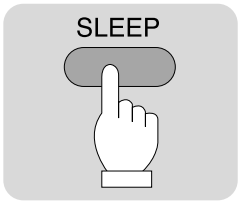
4-5-1 QUICK VIEW FUNCTION

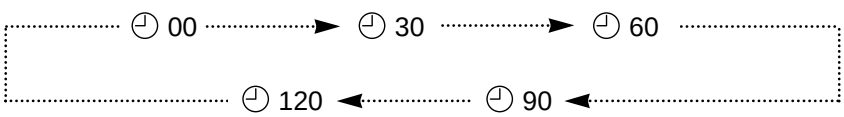
If you want to go back to the previously viewed channel, press the QUICK VIEW button.



4-5-2 SLEEP FUNCTION

Press the SLEEP button to set the timer from 30 to 120 minutes. Each time you press the SLEEP button, changes of time as follows :

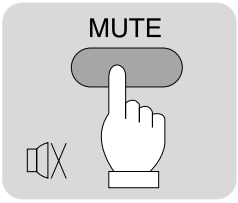




Your TV will be turned off automatically after the set time.
The initial state of SLEEP mode is "◴00", and the SLEEP FUNCTION does not operate in this state.

4-5-3 MUTE FUNCTION

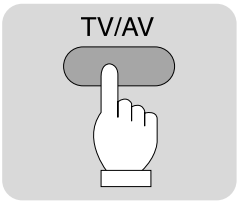
MUTE button makes the sound off and displays an icon on the right top of the screen.
Press the MUTE button again or press the VOL UP/DOWN buttons to restore the sound.



4-5-4 TV/AV BUTTON FUNCTION

You can select TV and VIDEO mode.
To select VIDEO mode, press TV/AV button. The icon below will appear on the right top of screen.

TV ➞ VIDEO ➞ TV



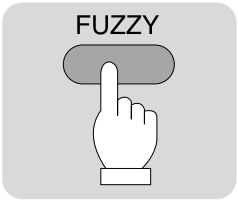
* STEREO MODEL (OPTION)

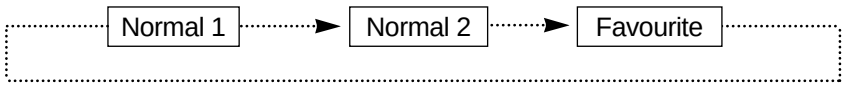
You can select TV, VIDEO 1 and VIDEO 2 mode.
To select VIDEO 1 mode, press TV/AV button once, and press twice for Video 2 mode. The icon below will appear on the right top of the screen.

TV ➞ VIDEO 1 ➞ VIDEO 2 ➞ SVH(OPTION)
➞ SAT(OPTION) ➞ TV

4-5-5 FUZZY FUNCTION

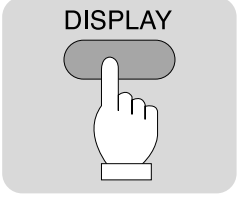
Users can select a combination of picture control. That includes a combination of contrast, brightness, sharpness, color and tint.
These combinations are classified as three steps, Normal 1, Normal 2, Favourite.
Each step will be selected by pressing FUZZY button on REMOTE CONTROLLER.





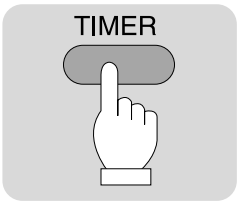
4-5-6 DISPLAY FUNCTION

Press the DISPLAY button to see the current time and channel on the screen. It lasts for four seconds. However, you can press again the DISPLAY button to make the display disappear instantly.
Time display of this mode indicates the state of clock memory of TIMER of MENU FUNCTION.



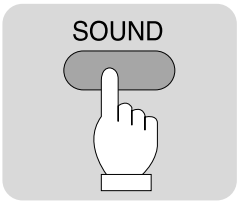
4-5-7. Timer FUNCTION

You can see the current time.



4-5-8. SOUND FUNCTION (STEREO MODEL ONLY)

You can select MONO, STEREO and DUAL 1, DUAL 2 by press the SOUND button.



4-5-9. OK/DG BUTTON (DC POWER INPUT MODEL ONLY)

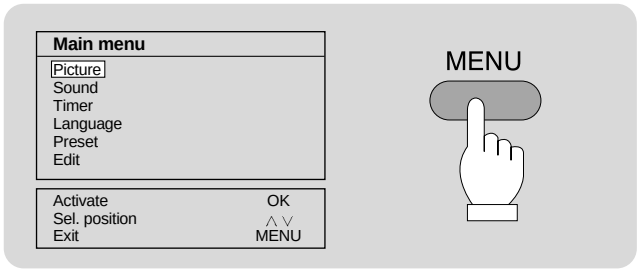
DC POWER INPUT MODEL BELOW FUNCTION ITEM ADD.

When the blue parts appear, you can clear the blue parts by press the OK key, but you can press the OK button just one time during the one minute.

4-6 MENU FUNCTION

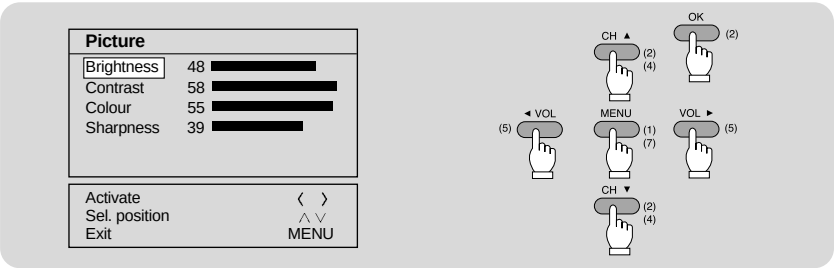
If you press the MENU button, six items will appear on the screen as following.

Press again the MENU button. Then the display will return to the original screen.



4-6-1. PICTURE

1) Press Menu
2) Press CH UP/DOWN to select PICTURE item, and press O.K
3) Then, four items will appear as following on the screen.



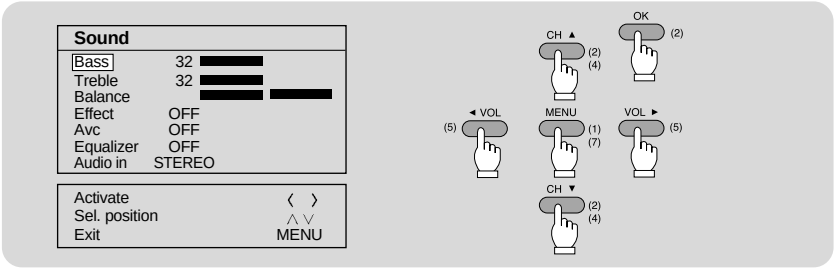
4) Press CH UP/DOWN to select the item you want to adjust.
5) And press VOL UP/DOWN to adjust the item's value.
6) To adjust other items, repeat step 4 and 5.
7) Press MENU to return to the MENU screen.

ITEM	Press VOL. DOWN (MIN 0)	Press VOL. UP (MAX.63)
Brightness	Darken the picture	Brighten the picture.
Contrast	Decrease picture contrast	Increase picture contrast.
Colour	Decrease shade of color	Increase shade of color.
Sharpness	Soften the picture.	Sharpen the picture.

▶ TINT item appears only when TV set receives the NTSC (play back only) signal.

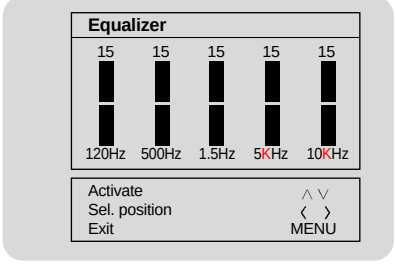
4-6-2. SOUND (STEREO MODEL ONLY)

1) Press Menu
2) Press CH UP/DOWN to select SOUND item, and press O.K
3) Then, seven items appear as following on the screen.
4) Press CH UP/DOWN to select the item you want to adjust.
5) And press VOL UP/DOWN to adjust the item's value.
6) To adjust other items, repeat steps 4 and 5.
7) Press MENU to return to the MENU screen.



▶ AVC : Press VOL. UP/DOWN, then OSD changes from OFF to ON.
You can hear different sound of many broadcasting stations as regular valued sound through this function.

ITEM	Press VOL. DOWN	Press VOL. UP
Bass	Decrease the bass response.	Increase the bass response.
Treble	Decrease the treble response.	Incresase the treble response.
Balance	Emphasize the left speaker's volume.	Emphasize the right speaker's volume.
Effect	Effect OFF	Effect ON
Avc	Auto Volume Control OFF	Auto Volume Control ON



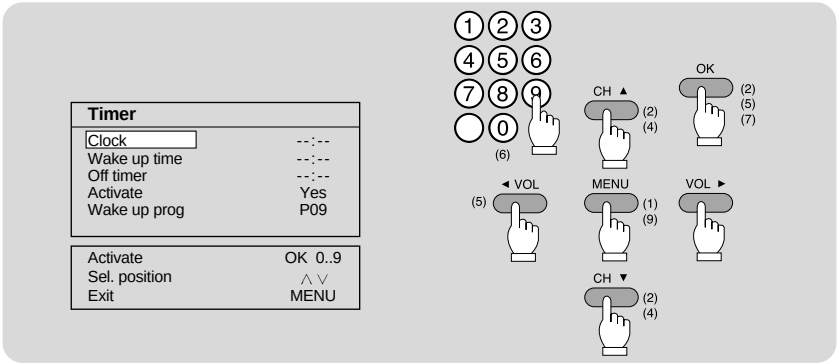
▶ Equalizer : Higher resolution is possible in a gain step of about 1/8 dB. With positive equalizer settings, internal clipping may occur even with overall volume less than 0 dB. This will lead to a clipped output signal. Therefore, it is not remmended to set equalizer bands to a value that, in conjunction with volume, would result in an overall positive gain.

▶ Audio in (Sound L, R divide mode) : When you use the audio out, you selected STEREO or MONO mode
STEREO mode : Audio out divided L, R
MONO mode : Audio out L (You must hear sound L)

4-6-3. TIMER

1) Press Menu
2) Press CH UP/DOWN to select TIMER item, and press OK button.
3) Then, five items appear as following on the screen.
4) Press CH DOWN to select the item you want to change.
5) Press OK to change the item's time value.
6) Press the 0-9 buttons.
7) And press OK to set the time, you changed.
8) To change other items, repeat steps from 4 to 7.
9) Press MENU to return to the MENU screen.

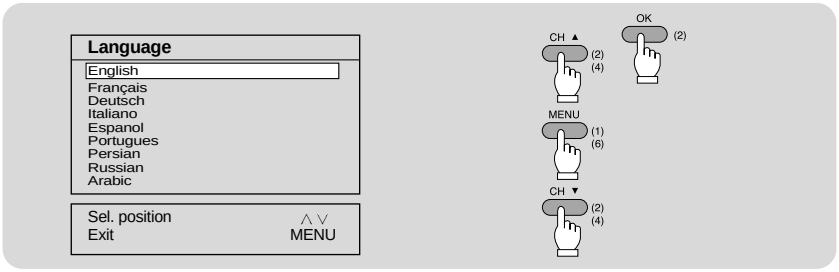
ITEM	Function
Clock	To display or set up the present time.
Wake up time	To turn your TV on at the set time.
Off timer	To turn your TV off at the set time.
Activate	Yes or No select by VOL.UP/DOWN
Wake up prog	To turn your TV on at the set channel.



4-6-4. LANGUAGE

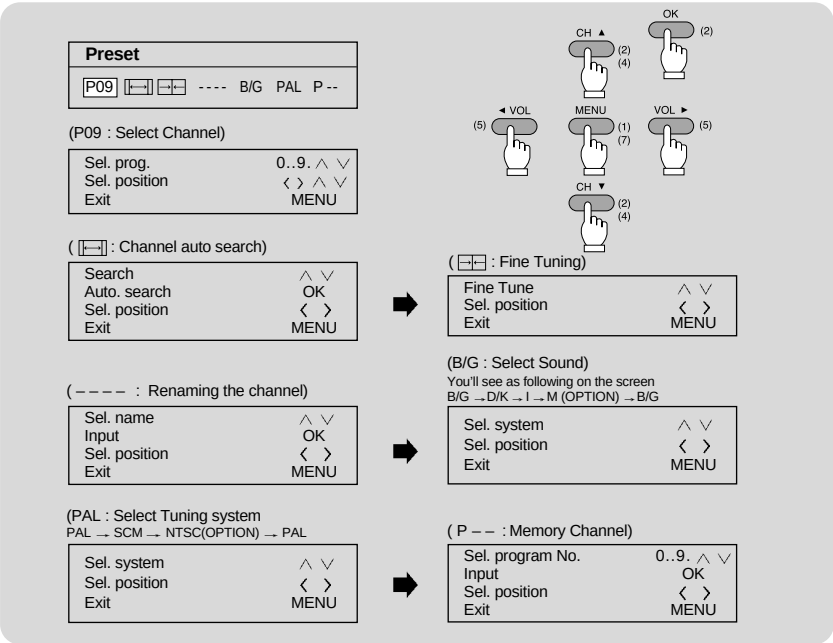
* Select your language

1) Press Menu
2) Press CH UP/DOWN to select Language item, and press O.K
3) Then, nine languages appear as following on the screen.
4) Press CH UP/DOWN to select the language you want to use.
5) To change to other languages, repeat step 4.
6) Press MENU to return to the MENU screen.



4-6-5. PRESET

1) Press Menu
2) Press CH UP/DOWN to select PRESET item, and press O.K
3) Then, items will appear as following on the screen.
4) Press VOL UP/DOWN to select the item you want to change.
5) Press CH UP/DOWN to change the item's value.
6) To change other items, repeat step 4 and 5.
7) Press MENU to return to the MENU screen.



4-6-6. Edit

* Edit channel (Memory Channel or Skip Channel)

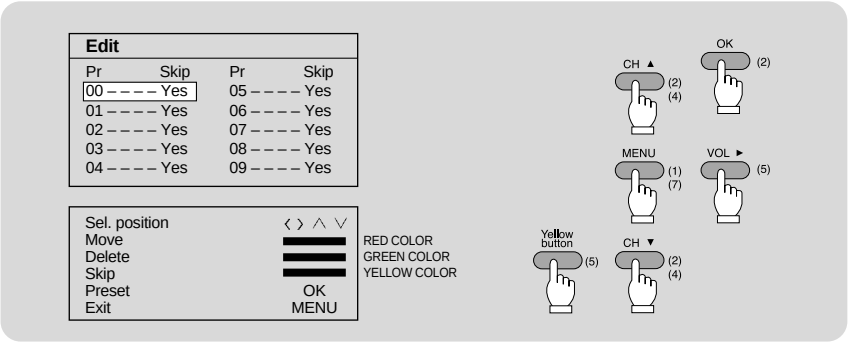
1) Press Menu
2) Press CH UP/DOWN to select Edit item, and press O.K
3) Then, channels appear as following on the screen.
4) Press CH UP/DOWN to select the channel you want to change.
5) And press Yellow button to skip(YES: skip channel, NO : Memory channel).
6) To skip other channels, repeat step 4 and 5.
7) Press MENU to return to the MENU screen.

▶ To change channel memory

1. Delete

To delete a channel from the memory, press the green button, and after a few seconds the selected channel will be deleted from the list, and sent to the end of the list. The blank is automatically filled with the rest of channels in order.

2. Move
   1) To move a memory channel to the other channel, press RED button. Then you can see the color is changed from green to yellow on the screen.
   2) Select the other channel on the screen that you want to change by using VOL.UP/DOWN and CH. UP/DOWN
   3) Press RED button on the REMOTE CONTROLLER to move, and then you can see the changed channel on the screen.



TELETEXT FUNCTION (OPTION)

1) TV/TTX

This is toggle key, TV ← → TELETEXT

When called in TV mode, this function activated TELETEXT

Initially page 100 of teletext will be displayed in the screen, unless at an earlier exit from TELETEXT (at the same program), another page was requested in the page memory.

When called in TELETEXT sub mode, this command is interpreted as a rest

2) PAGE UP/DOWN

Page unmber is changed by “PAGE UP” or “PAGE DOWN” button or direct button (0-9).

3) INDEX

Press this key to select index page directly in FLOT and TV program in TOP mode.

4) SIZE

This is a toggle function between 3 different sizes.

Press “SIZE” button to expand the TOP half of the display.

Press again to expand the BOTTOM half of the display.

Press again to return the display to normal size.

5) SUB PAGE ACCESS

First, select the TELETEXT alarm page or TELETEXT page containing sub pages.

Press the “SUB” key, then four asterisks(“****”) will be displayed on the screen. Now enter the sub page number required using keys “0-9” on the transmitter.

Press this key again to return to initial status.

6) REVEAL

Press “REVEAL” key to reveal hidden words e.q. quiz pages will hidden answers.
Press the key again to make hidden words disappear.

7) HOLD

When TELETEXT information exceeds more than one page, the display changes automatically to the next page.
In rolling subpages, press “HOLD” button to hold the wanted display subpage.
And press the next button to stop the hold.

8) MIX

Press “MIX” button to superimpose TELETEXT picture into TV display.
Press this button again, then the screen go back to TELETEXT mode.

9) CANCEL

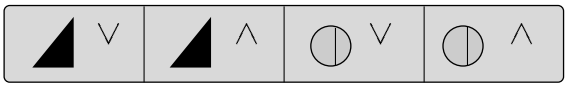
When searching for a TELETEXT page, the TV display can be viewed by pressing “CANCEL” key.
Once the page has been found, the page number will be displayed.

10) RED,GRE,YEL,CYN KEYS

These four keys are coloured-cord to correspond to the differently coloured subjects in “TTX” mode.

**** press the menu***

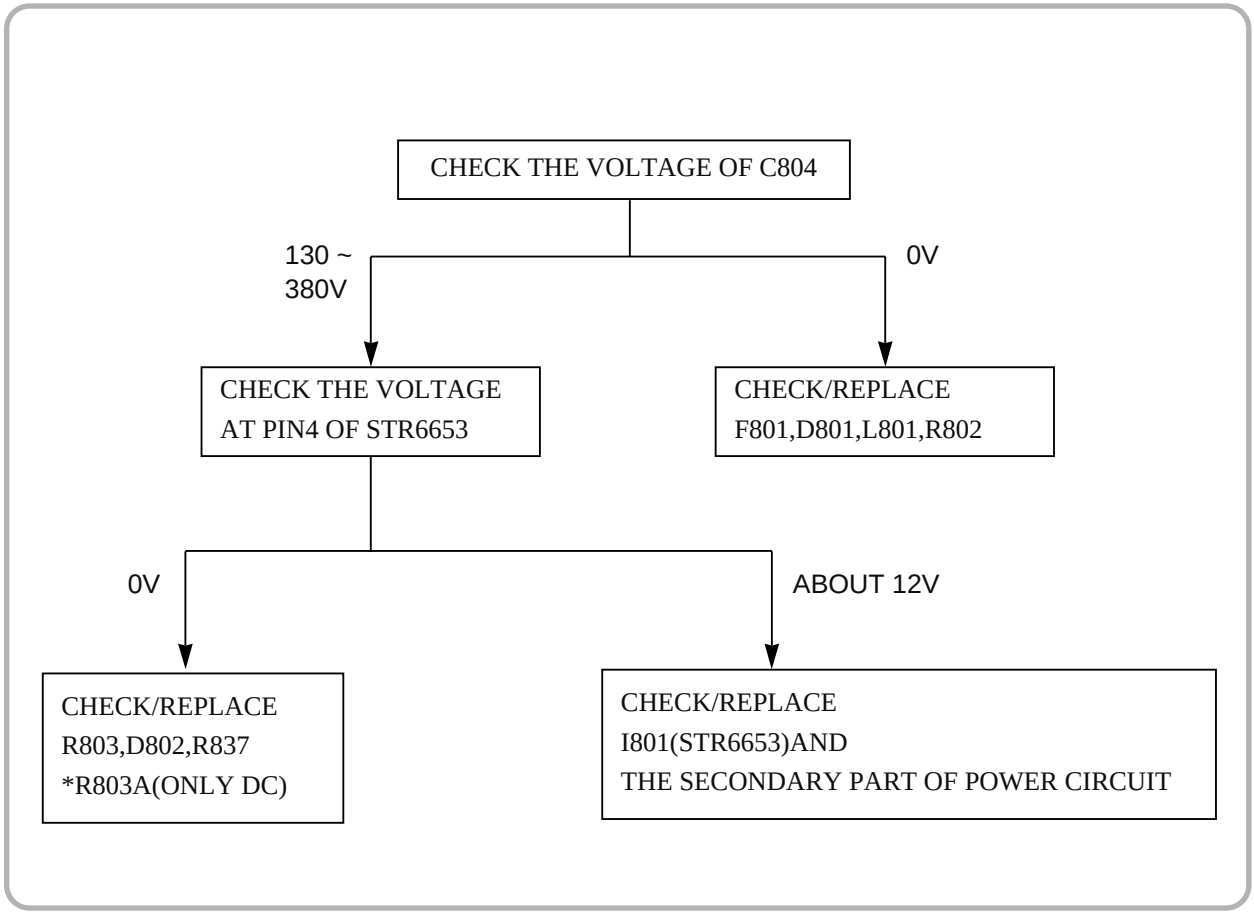
Adjust the volume and contrast in the MENU function



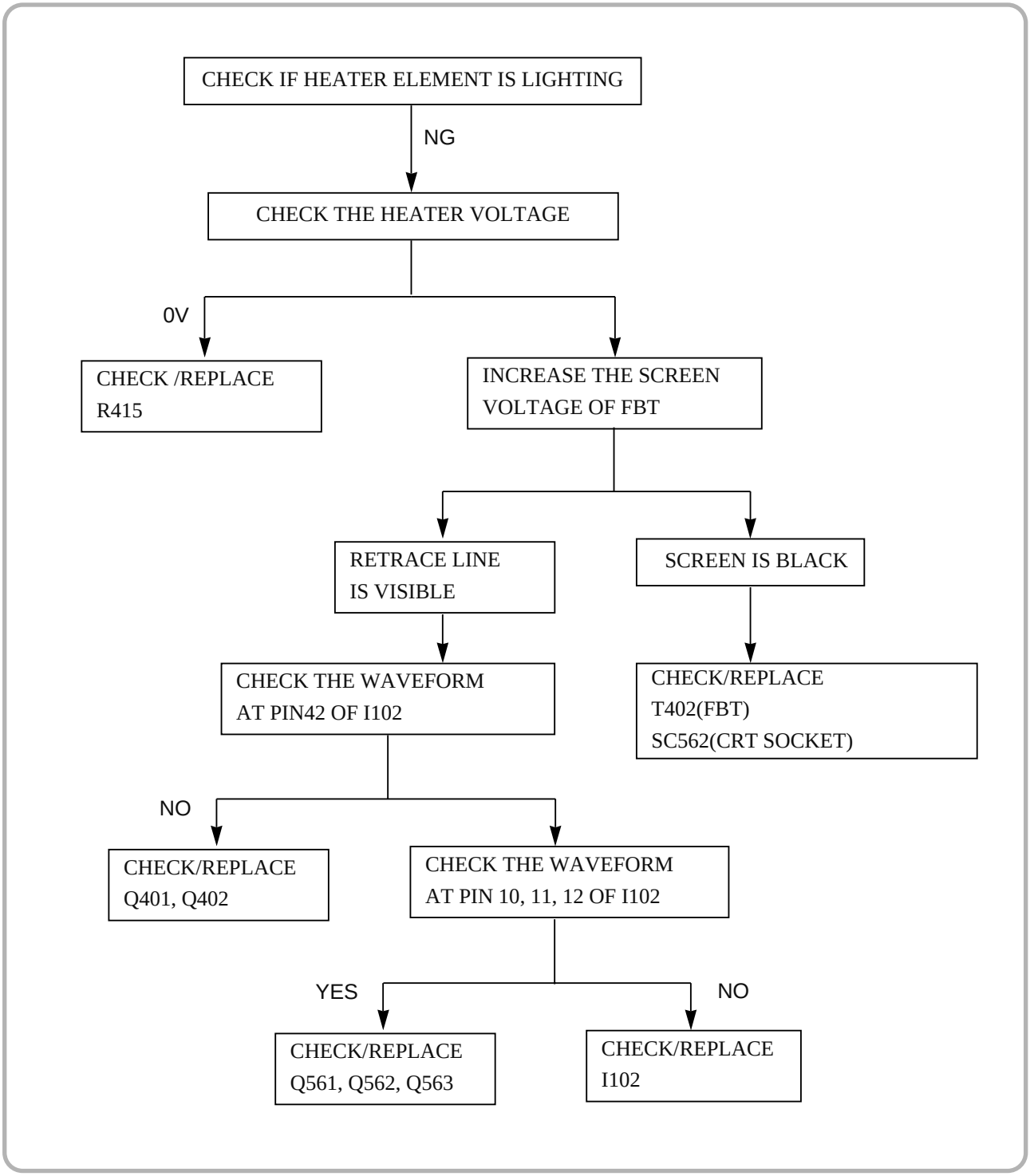
RED GREEN YELLOW CYAN

5. TROUBLESHOOTING

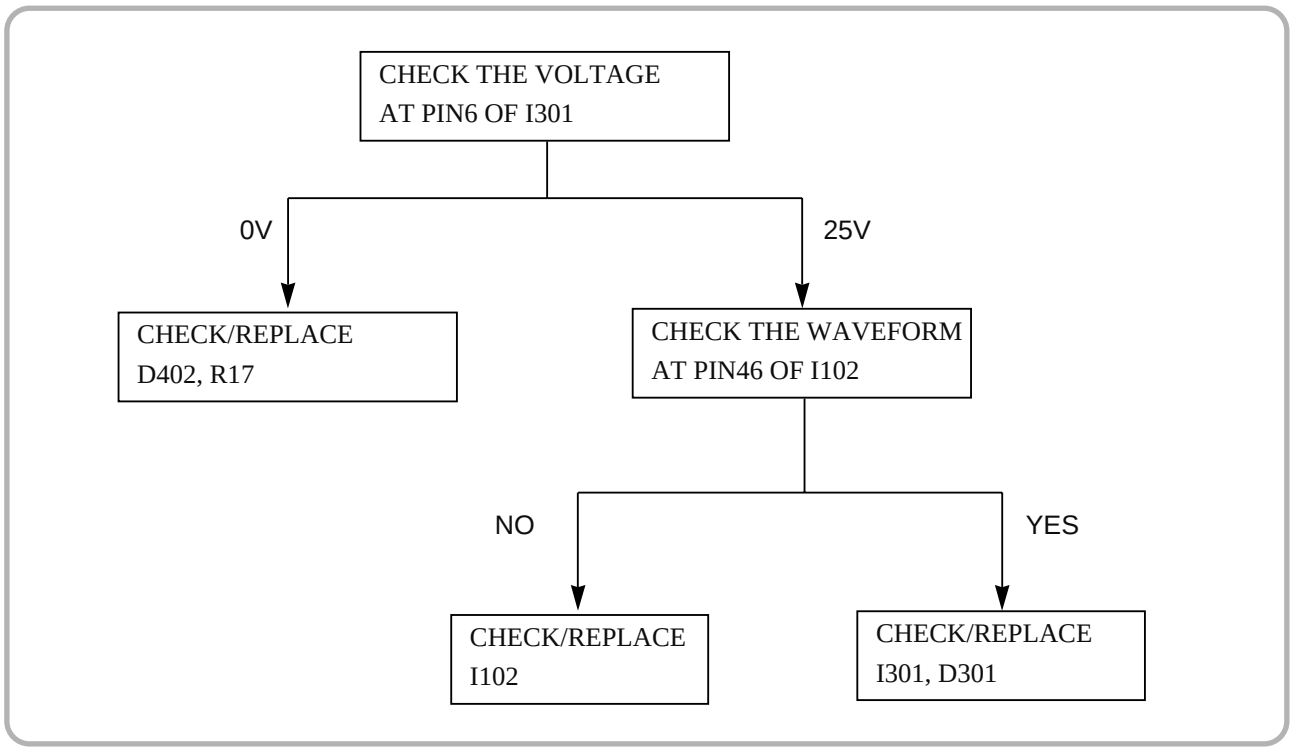
5-1. NO POWER (NOT WORKING SMPS)



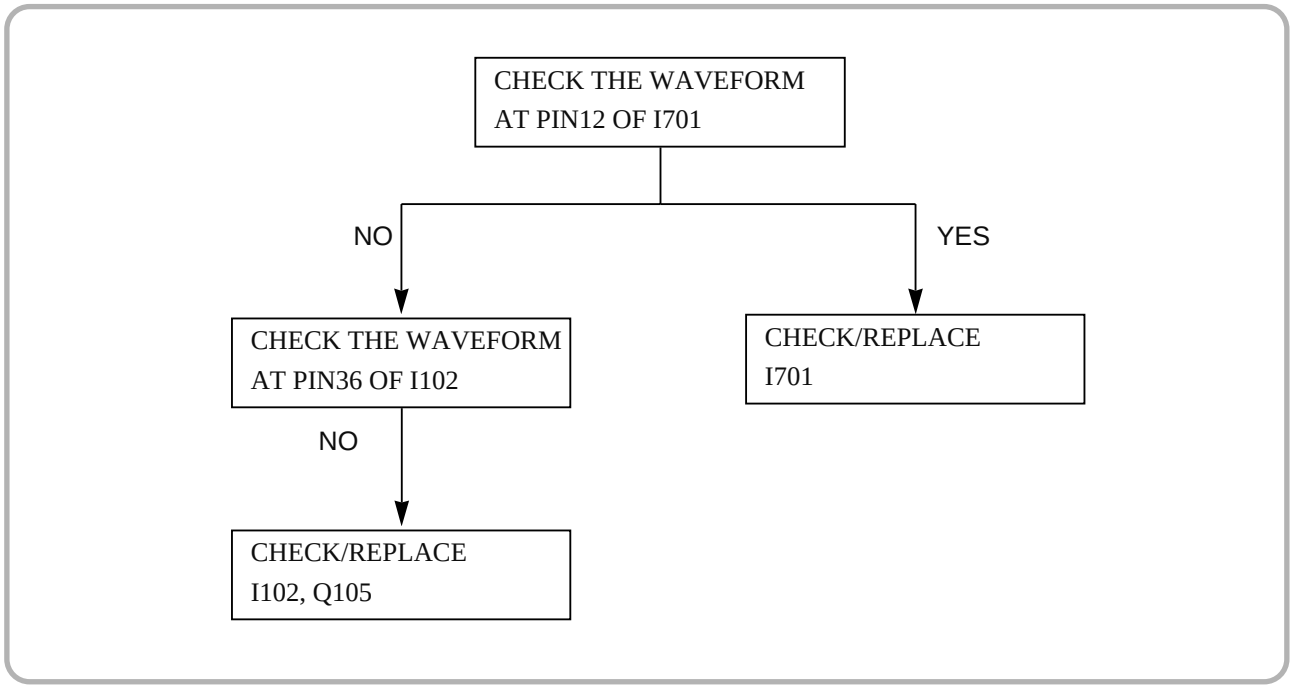
5-2. NO RASTER & PICTURE



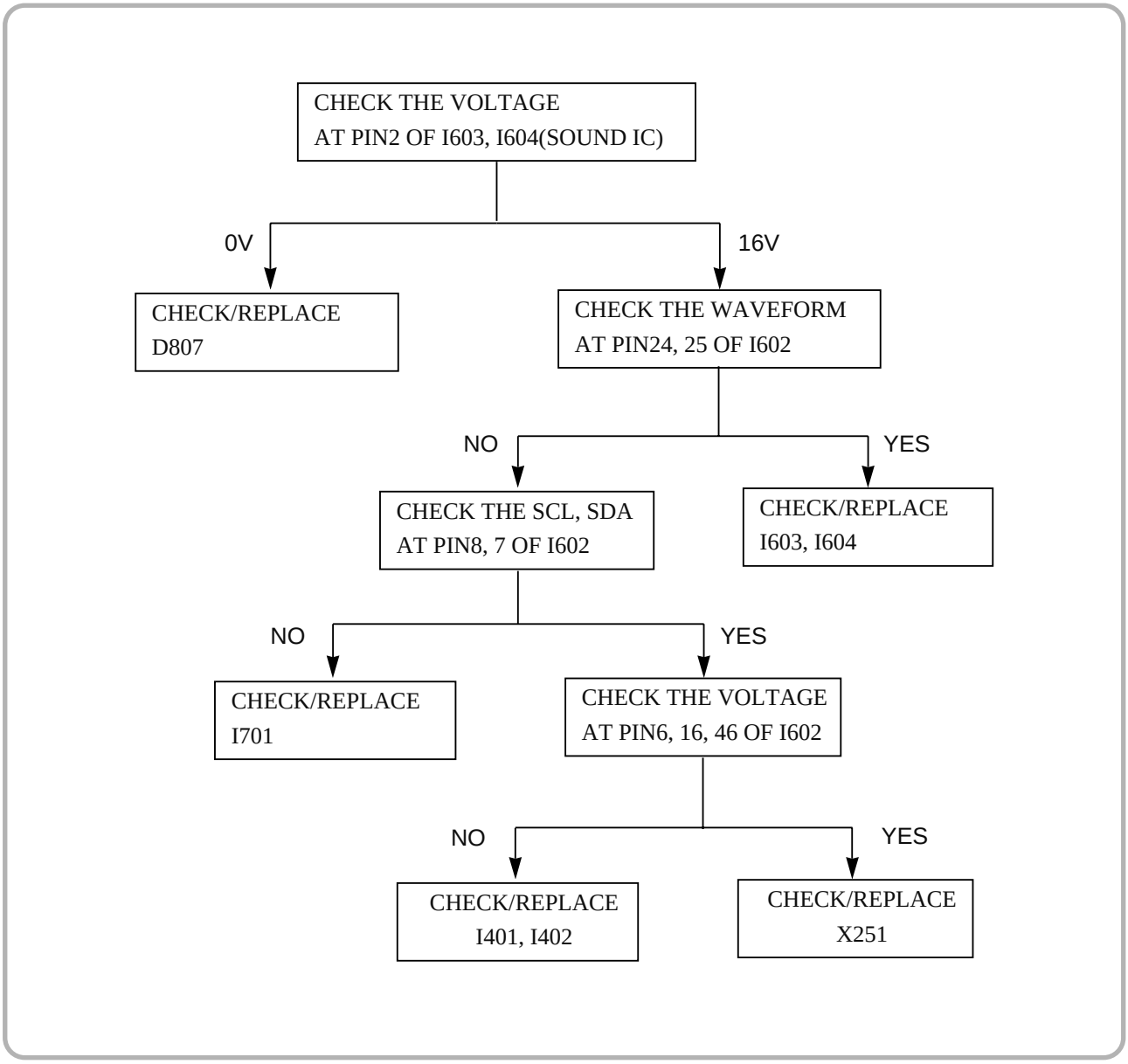
5-3. NO VERTICAL DEFLECTION



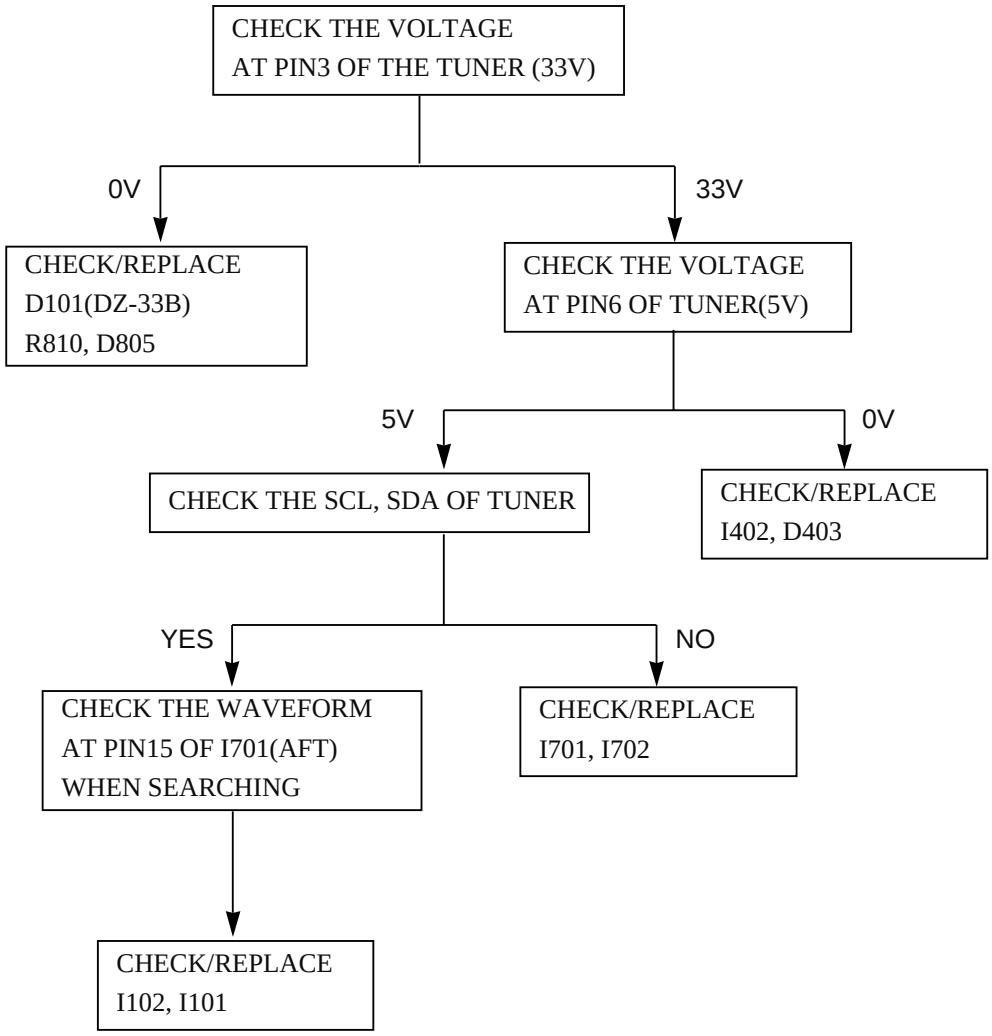
5-4. NO TELETEXT



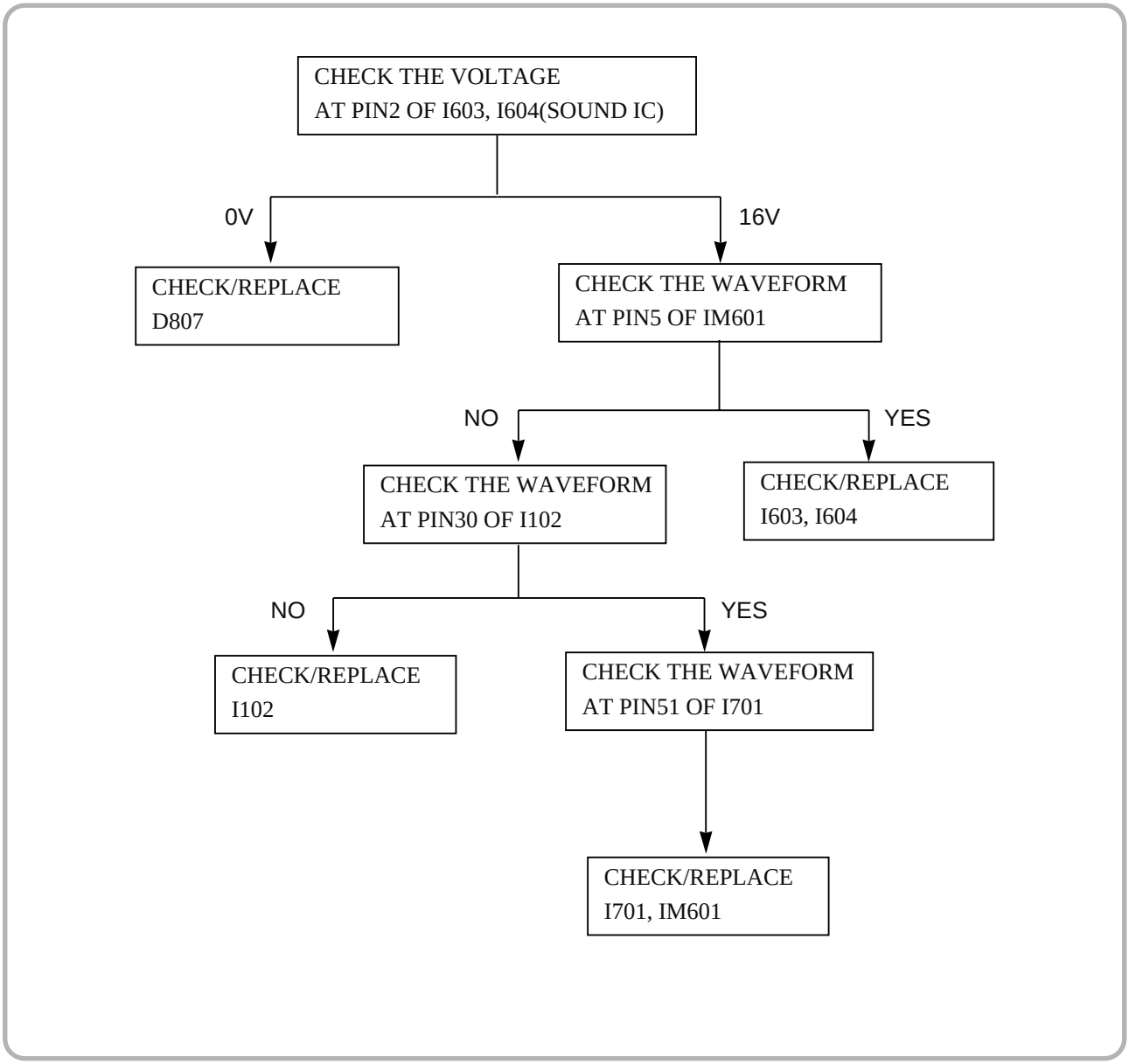
5-5. NO SOUND (STEREO)



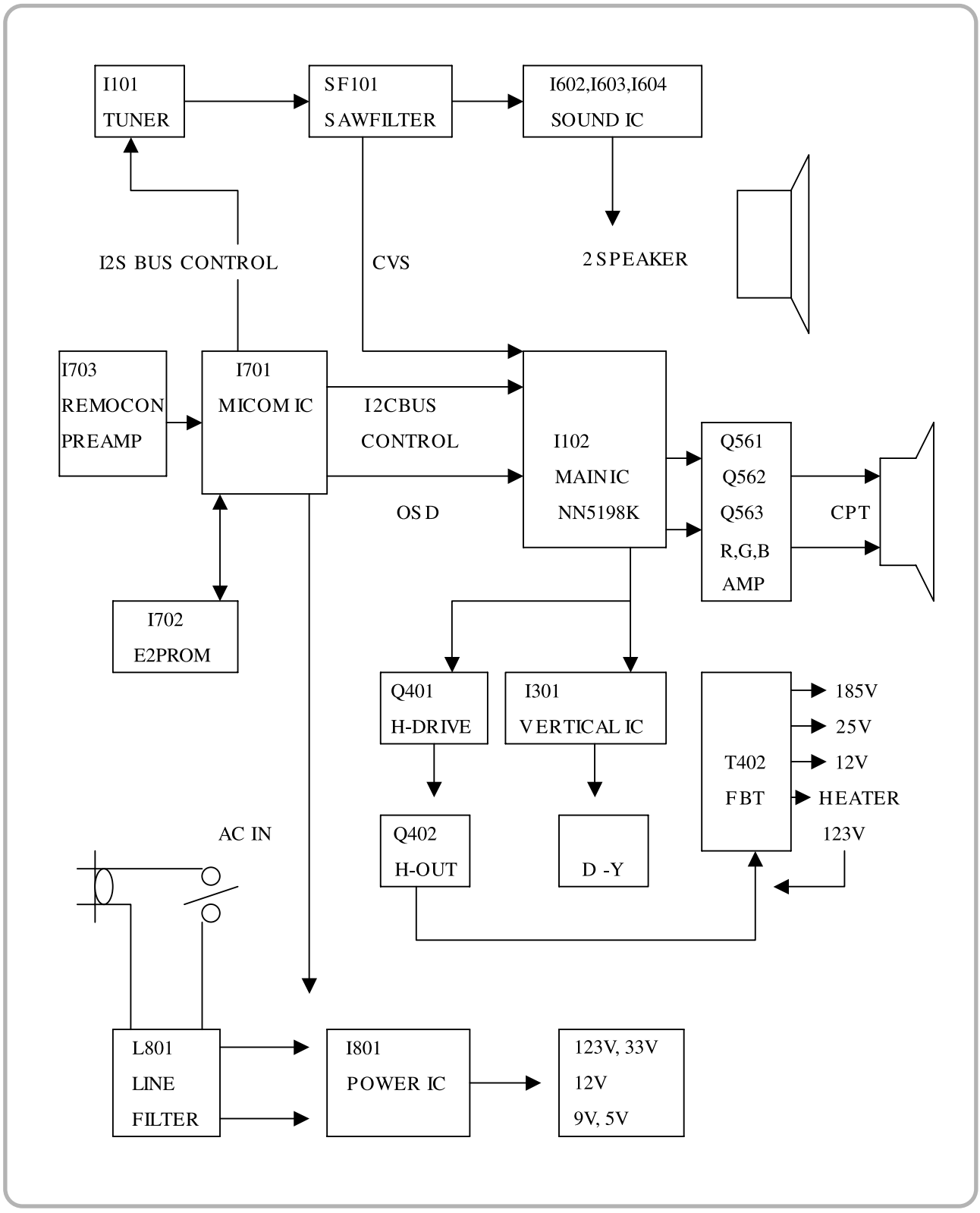
5-6. DON'T CATCH CANNEL



5-7. NO SOUND(MONO)

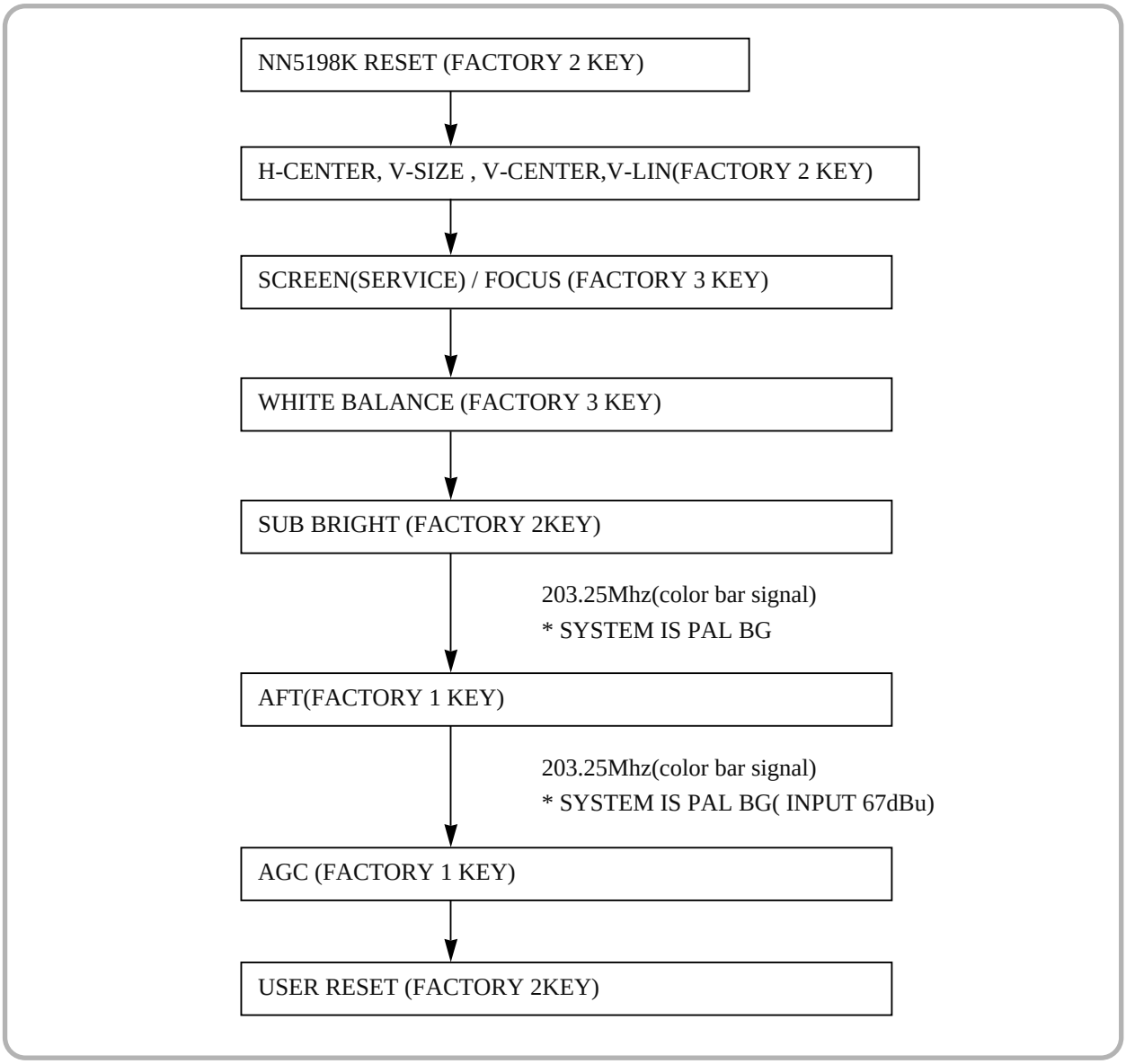


6. BLOCK DIAGRAM



7. THE METHOD OF ADJUSTMENT FOR CHASSIS

FLOW CHART TO ADJUST IN PRODUCT LINE



*. HEAT RUN(AUTO POWER ON MODE):FACTORY KEY

- It need in assembly line during heat run that protect to auto power off after no signal 15 minutes and auto power on for input power of sets on/off by line condition which sometimes line power connection of palette with main power line would be badly contacted by shaking during the sets through on assembly lines.
- Heat run function is operated by pressing the f4 key.
- To cancel this function press the power key (on/off.)
- It must be canceled before final output.

7-1. V-SIZE / V-CENTER / H-CENTER (F2)

7-1-1. V-SIZE ADJUSTMENT.

- Select the V-SIZE by pressing CH UP/DOWN key
- Adjust the V-SIZE by pressing VOL UP/DOWN key for approximately one-half inch over scan at top and bottom of picture screen.

7-1-2. V-CENTER ADJUSTMENT.

- Select the V-CENTER by pressing CH UP/DOWN key.
- Adjust V-CENTER so that the vertical center of the picture may be coincident with the mechanical center of CRT.

7-1-3. H-CENTER ADJUSTMENT.

- Select the H-CENTER by pressing CH UP/DOWN key.
- Adjust the H-CENTER by pressing VOL UP/DOWN key to be agreed with screen center and mechanical center.

7-1-4. V-LIN ADJUSTMENT.

- Adjust V-LIN by pressing VOL UP/DOWN key.

7-2. SCREEN(SERVICE) ADJUSTMENT (F3)

- Receive the video no signal.
- Select the SERVICE mode by pressing CH UP/DOWN key.
- Make the horizontal line by pressing VOL UP/DOWN key.
- Adjust the SCREEN, till horizontal line is just disappeared.

7-3. WHITE BALANCE ADJUSTMENT (F3)

- Receive a black and white pattern or white balance adjusting pattern.
- Before attempting white balance adjustment, the receiver should be operate for at least 15minites.
- Check the all of position to the reference value (nominal center)
- The reference color of the measurement equipment set to G.
- Adjust the CUTOFF G,CUTOFF R,CUTOFF B at bias mode.
- Adjust the R DRV,B DRV at drive mode.

7-4. SUB BRIGHT ADJUSTMENT (2)

- Change Mode to VIDEO NO SIGNAL
- Select the NORMAL1 mode in the fuzzy key.
- Select the SUB BRIGHT mode by pressing CH UP/DOWN key in FACTORY2 mode.
- Adjust the SUB BRIGHT value till disappeared to back screen by pressing VOL UP/DOWN.

7-5. AFT ADJUSTMENT (F1 key)

- Receive the RF color bar signal.
  Select the AFT mode, and then press the vol up/down key
  Select the OK

7-6. AGC ADJUSTMENT (F1 key)

- Receive the RF color bar signal.
- Strength of input signal control 67dBu.
- Select the AGC POINT mode, and then adjust a AGC POINT to 2.0
- Select the AGC AUTO mode, and then press the vol up/down key
- AGC is arranged automatically
- Confirmation of the strong signal.

7-7. USER RESET (F2)

- It be cleared all user control to initial for all output sets will be same user control condition.
- It need after final inspection.
  * (then power on auto tuning automatically)

  * CHECK SUM (password :remocon key :display --> mute sleep --> fuzzy --> timer
    To memory MASTER ROM(MULTI EEPROM MEMORY).
    Adujust the value chech sum “NG” by vol up/down

  * TO adjust “OPTION MENU”
    Press MENU button from factory key
    After adjusting an option what you want, press MENU to end “OPTION MENU”

    EX)

OPTION		
[SOUND]	MONO	[STEREO]
VIDEO	VIDEO 1	[VIDEO 2]
SVH	ON	[OFF]
SAT	ON	[OFF]
AV	[ON]	OFF
NTSC	ON	[OFF]
VOLUME	LARGE	[SMALL]
* AV ON(MONITOR OUT)		

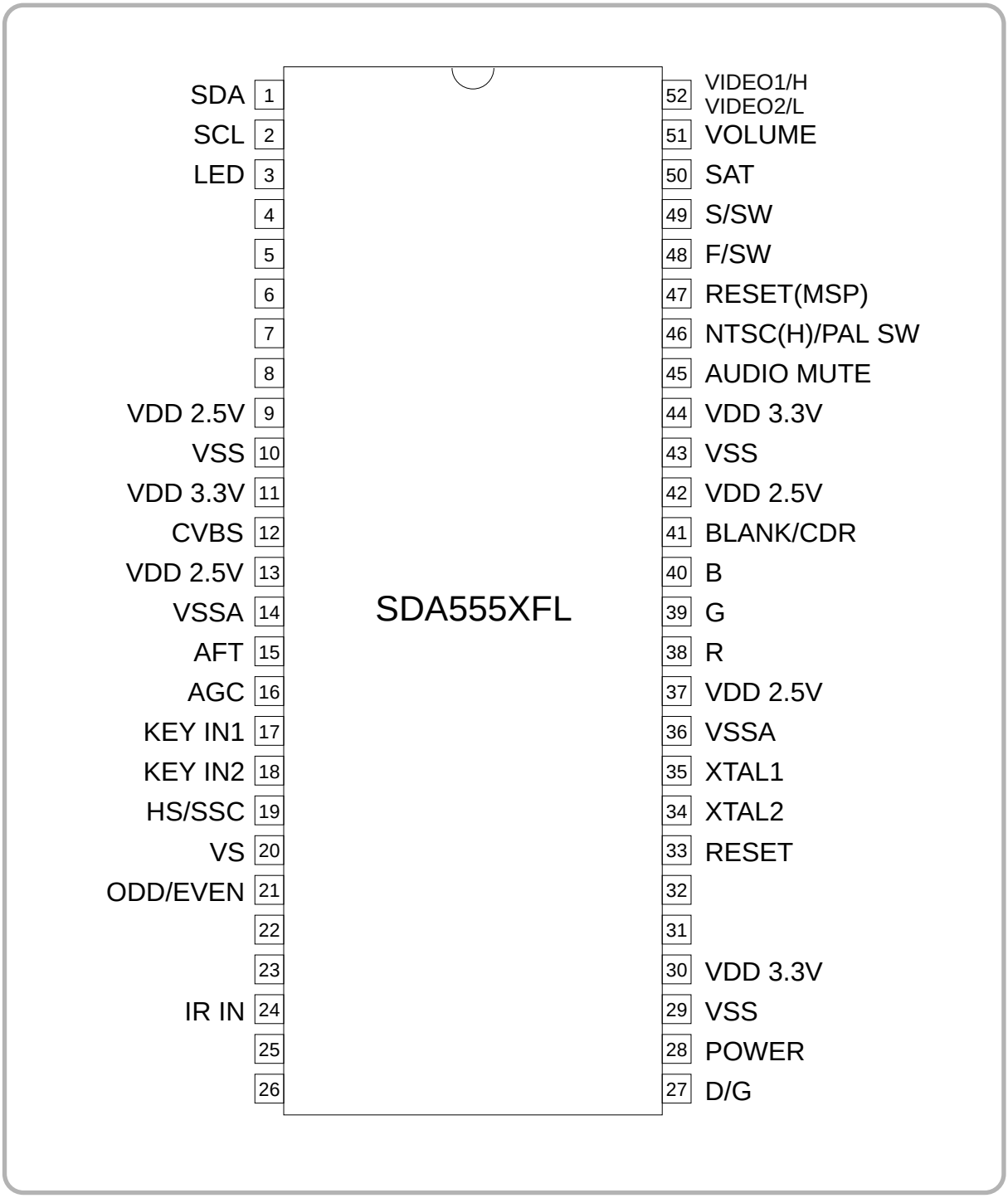
LANGUAGE (TTX OPTION)

Select the Character set mode, (LANGUAGE)

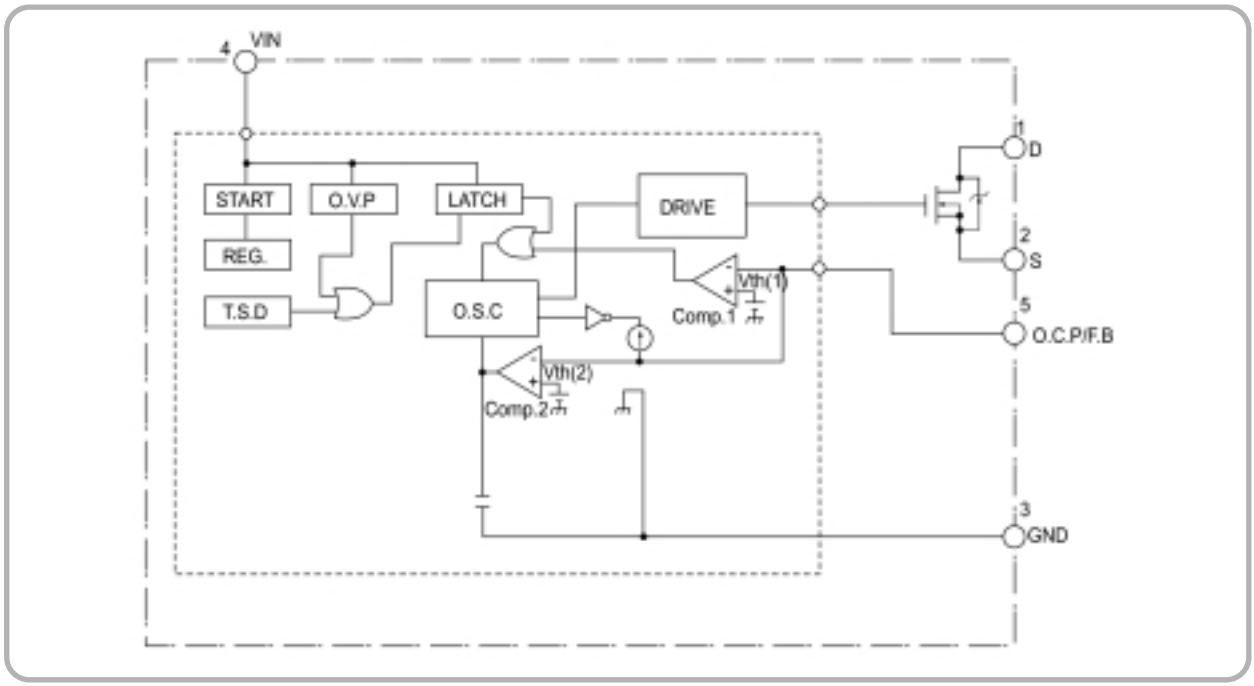
Character set	Character group	Recommended for the languages
Latin	West Europe	German/English/Skandinavian/Italian/French Icelandic/Spain/Portugeses/Turkish
Latin	East Europe	Polish/Czech/Romanian/Hungarin Solvenian/Croatian lettish/Lithuanian Estonian
Cyrillic	Cyrillic	Russian/Byellorussian/Ukranian
Greek	Greek	Greek
Arabic	Arabic	Arabic Hebrew English&French inarabic countries
Farsi	Farsi	Farsi

8. IC DESCRIPTION

8-1. SDA555XFL



8-2. POWER IC(I801) : STR-G6653



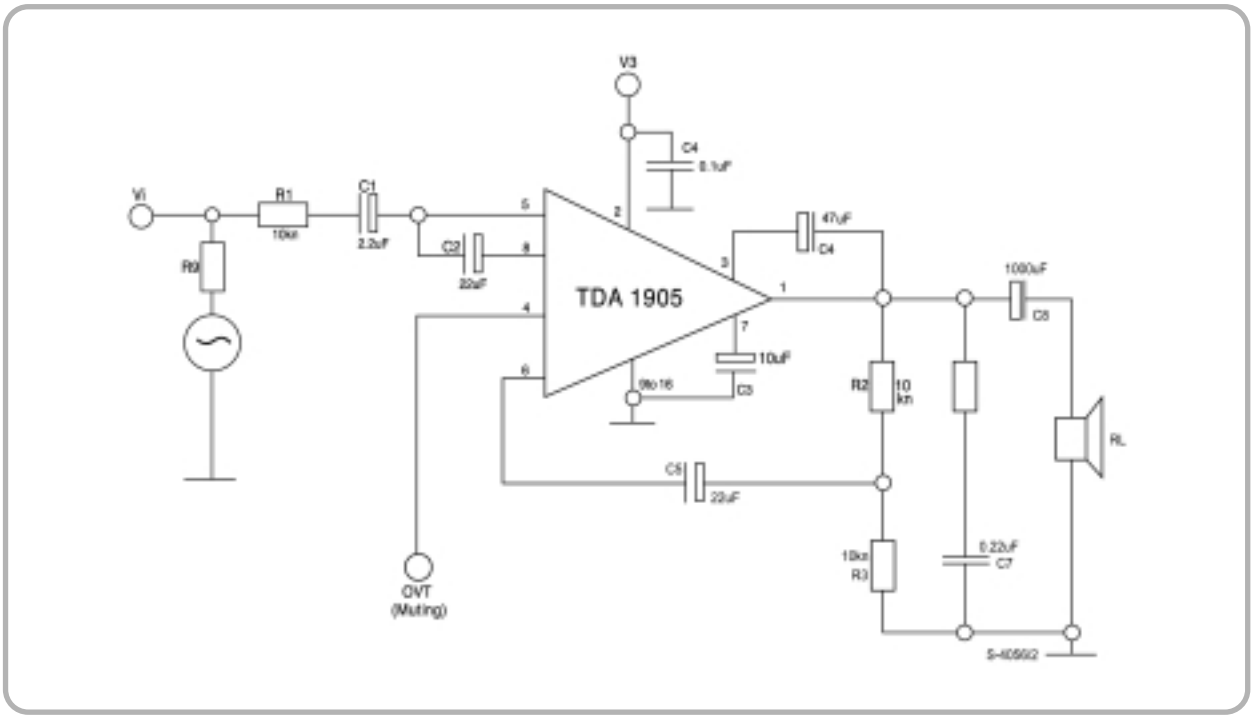
• Function of Terminal

Terminal No.	Symbols	Description	Functions
1	D	Drain terminal	MOS FET drain
2	S	Source terminal	MOS FET source
3	GND	Ground terminal	Ground
4	VIN	Power supply terminal	Input of power supply for control circuit
5	O.C.P/F.B	Overcurrent/Feedback terminal	Input of overcurrent detection signal and constant voltage control signal.

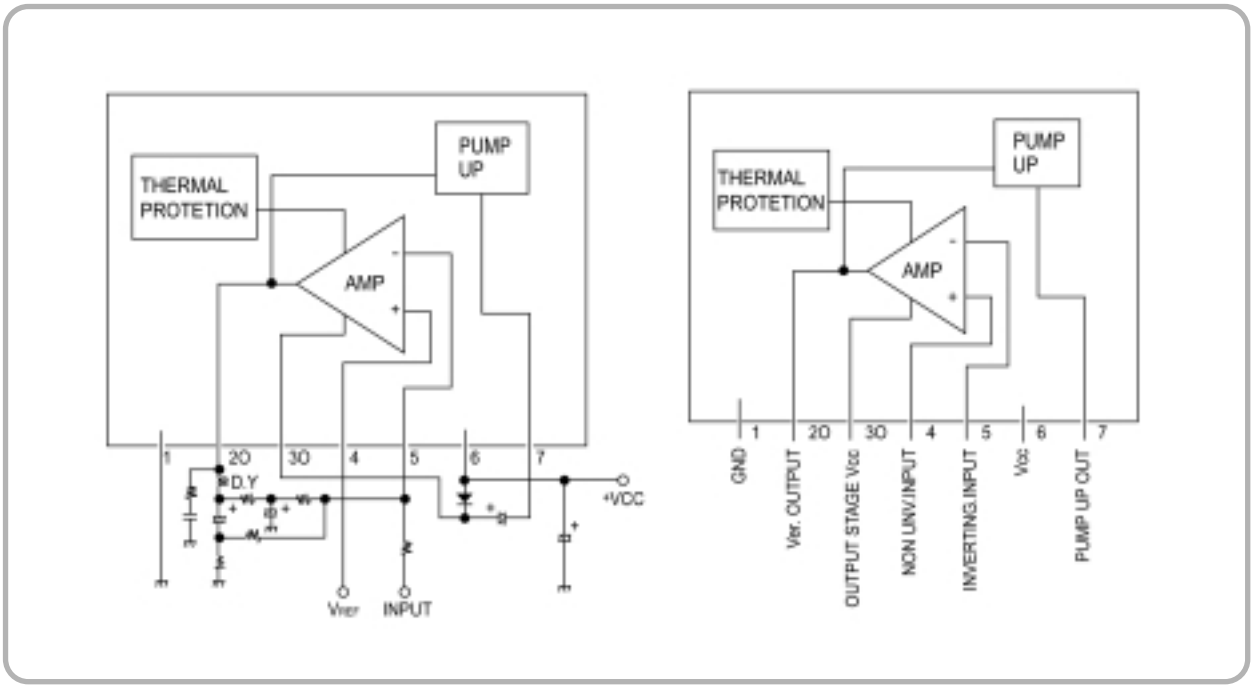
• Other Functions

Symbols	Functions
O.V.P	Overvoltage protection circuit
T.S.D	Thermal shutdown circuit

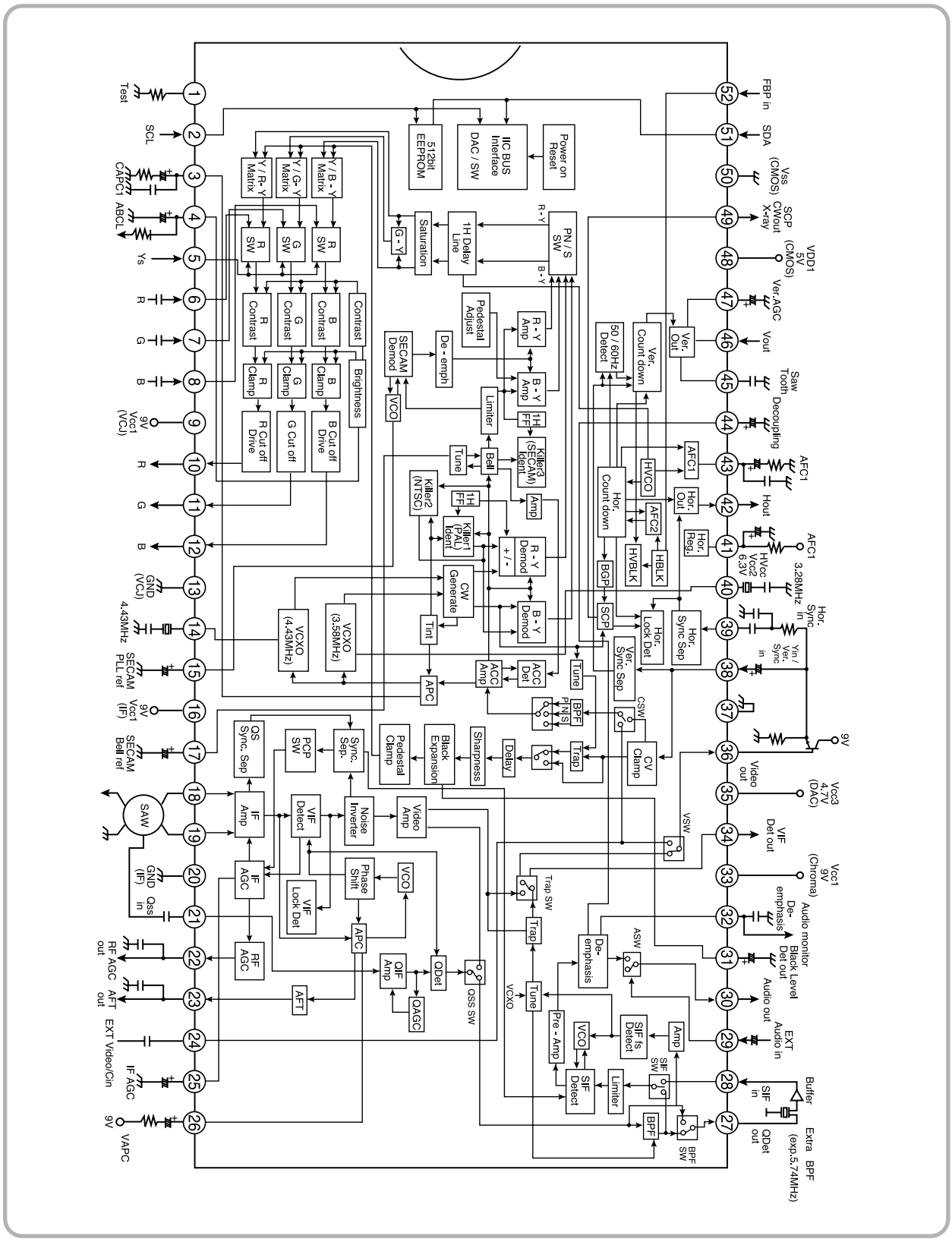
8-3. SOUND AMP IC(I603, I604) : TDA1905



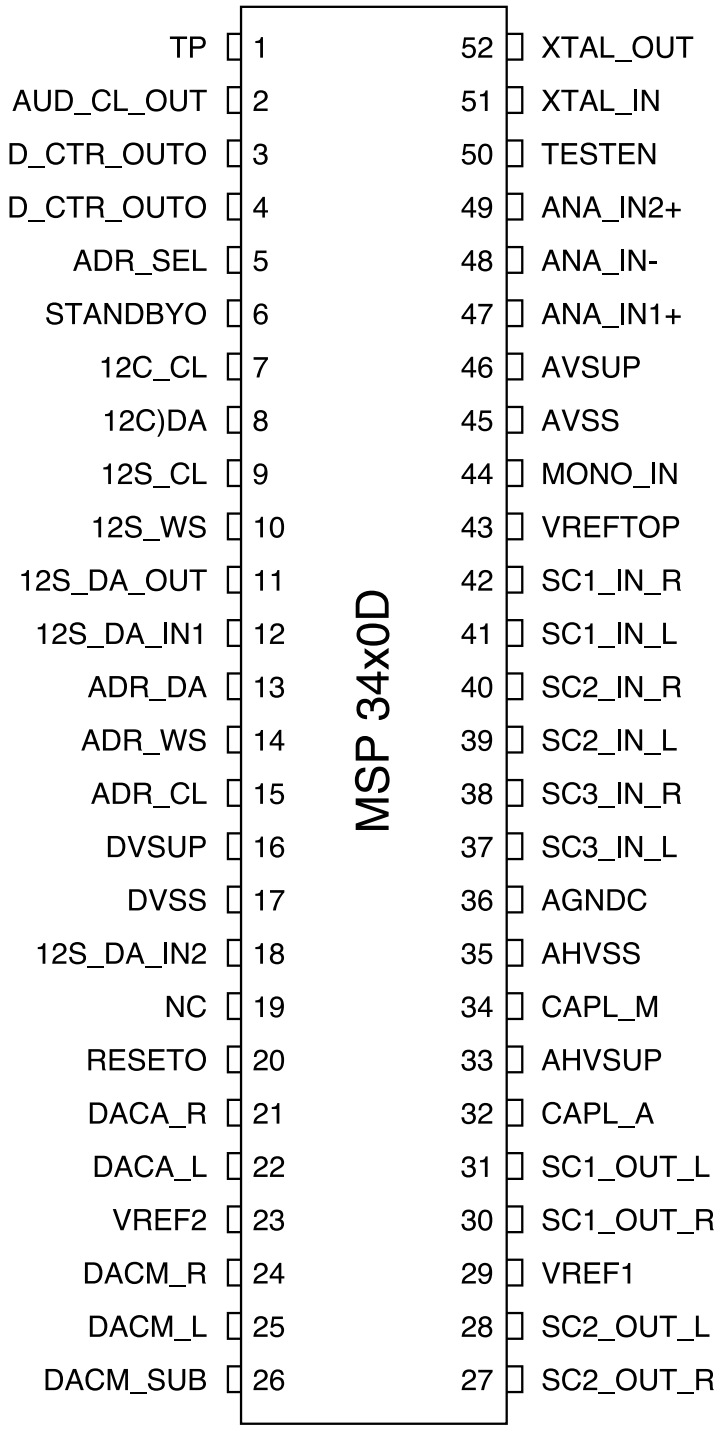
8-4. VERTICAL IC(I301) : LA7841K



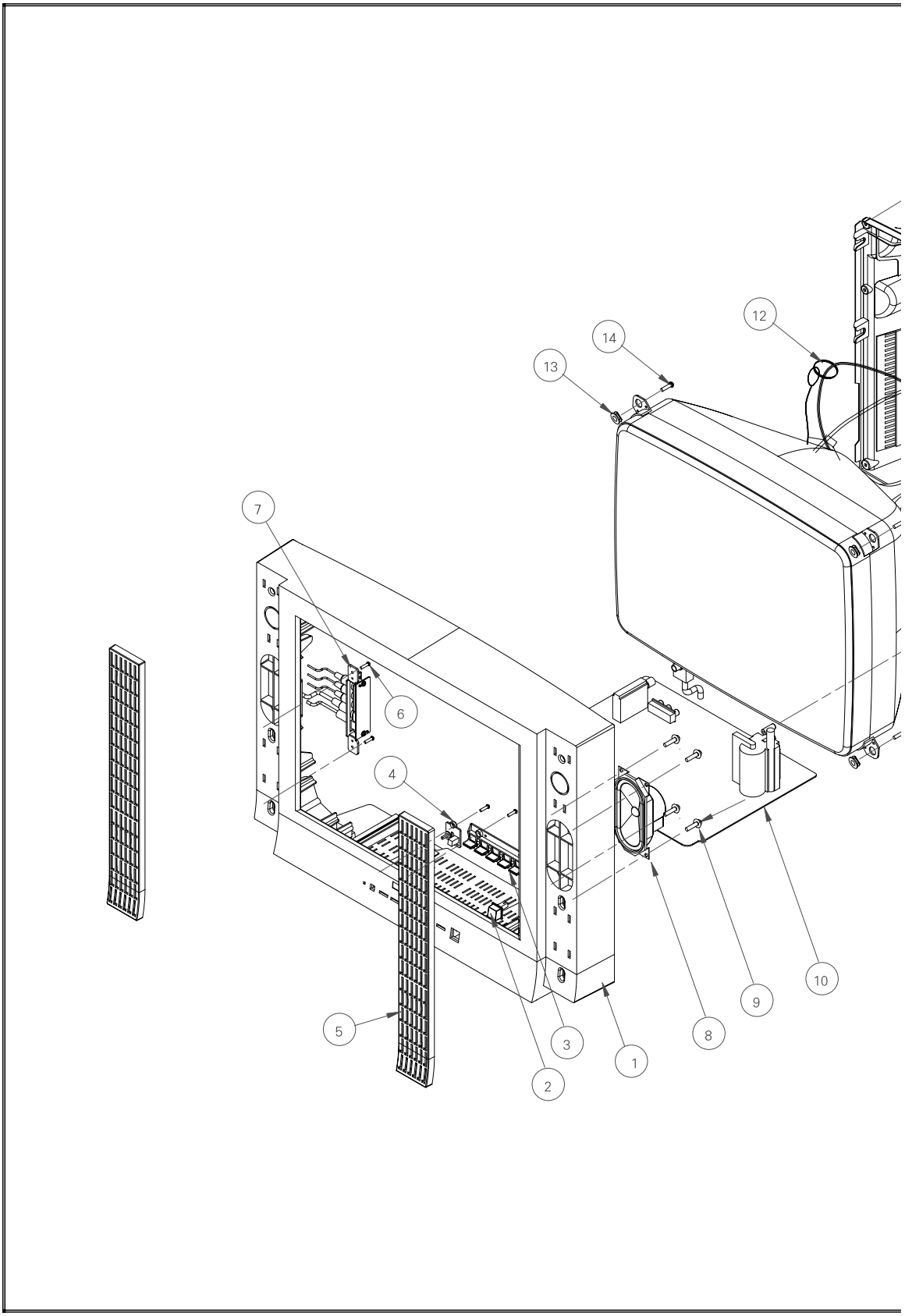
8-5. MAIN IC(I102) : NN5198N

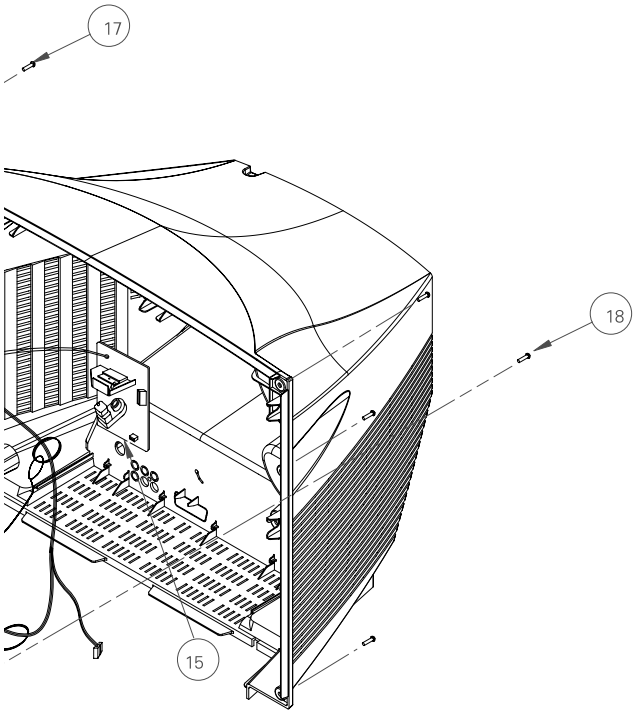


8-6. STZRZO IC(I602)



9. EXPLODED VIEW

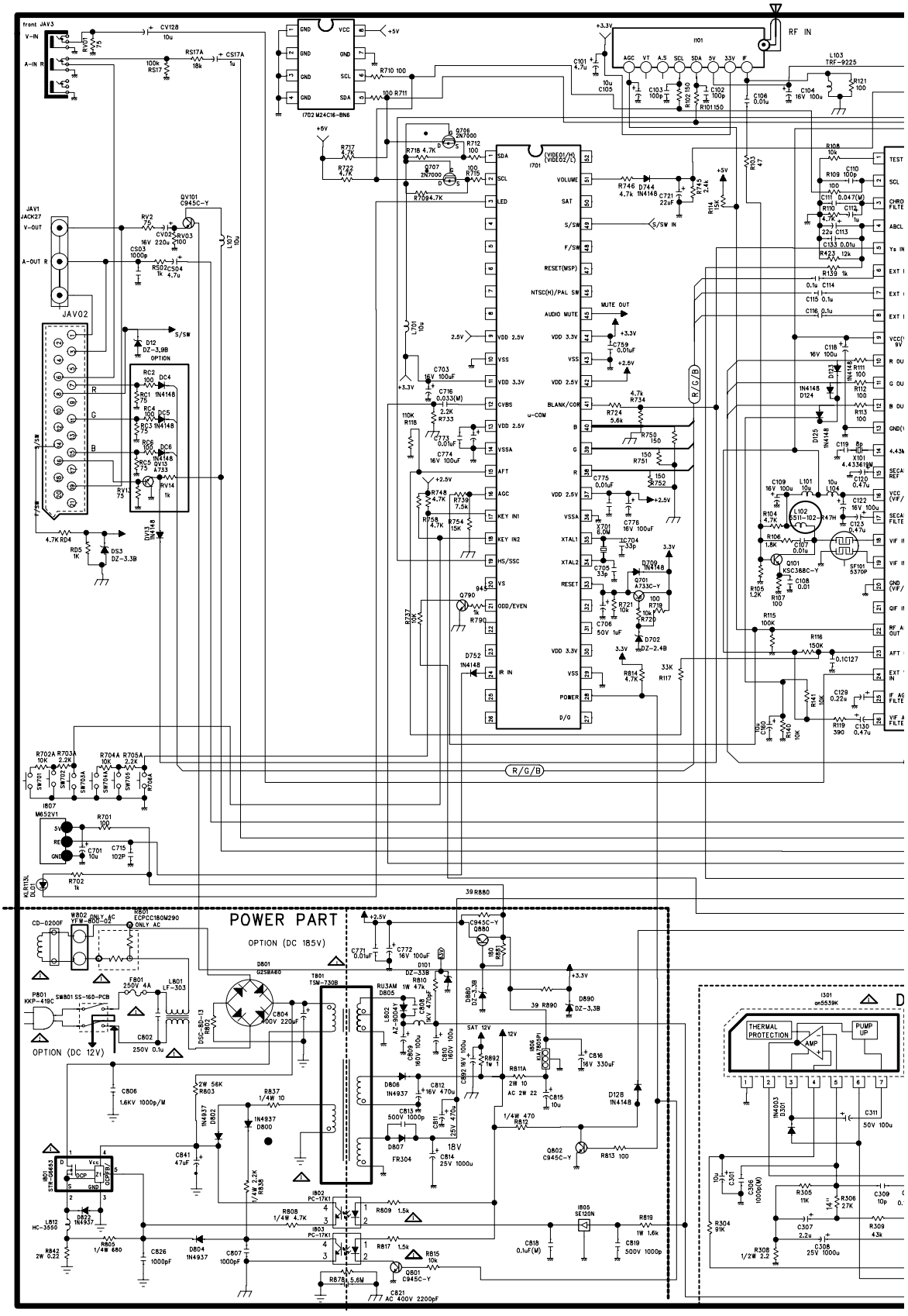


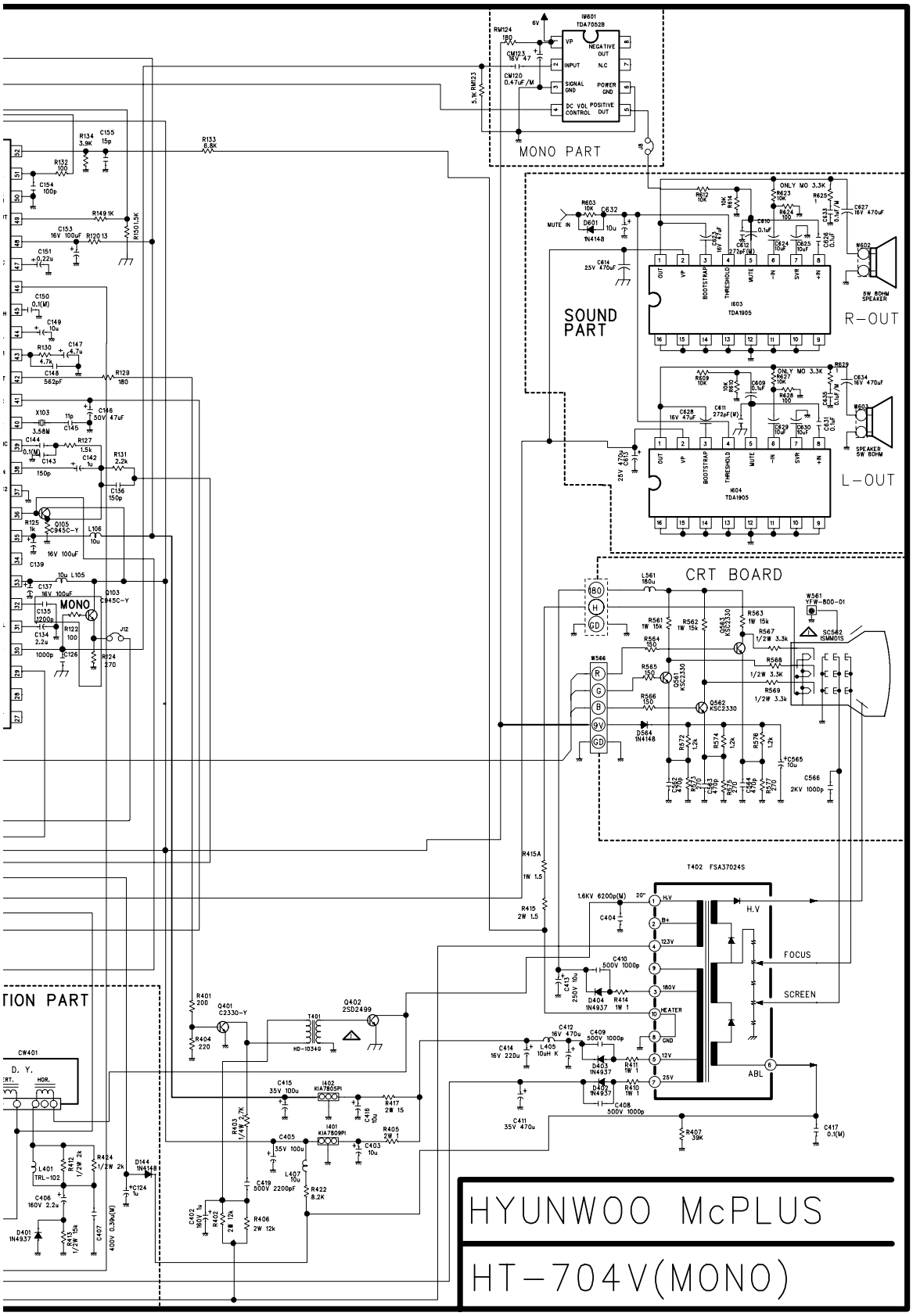


HT-2110EER			
No.	PART NAME	DESCRIPTION	Q'TY
1	FRONT MASK	2110,HIPS,GY,W/P,CKD	1
2	MASTER S/W KNOB	2110, ABS	1
3	BUTTON	2110, ABS	1
4	INDICATOR	PMMA	1
5	SPEAKER PANEL	2110,PC_ABS,GY,W/P	2
6	SCREW TAPPING	T2S WAS 3x10 MFZN	5
7	SIDE AV ASSY	HT-2100	1
8	SPEAKER	5W	2
9	SCREW TAPPING	T2S WAS 3x10 MFZN	8
10	MAIN CHASSIS ASSY		8
11	CPT		1
12	CPT GND ASSY		1
13	CPT RUBBER	CR,T=2,I=9.5,O=20	4
14	SCREW CPT	SWRM+SK-6(L=28),WD=18	4
15	CPT PCB		1
16	BACK COVER	2110,HIPS,433U,KD	1
17	SCREW TAPPING	T2S TRS 4x18 MFZN(B)	6
18	SCREW TAPPING	T2S PAN 4x16 MFZN(B)	1

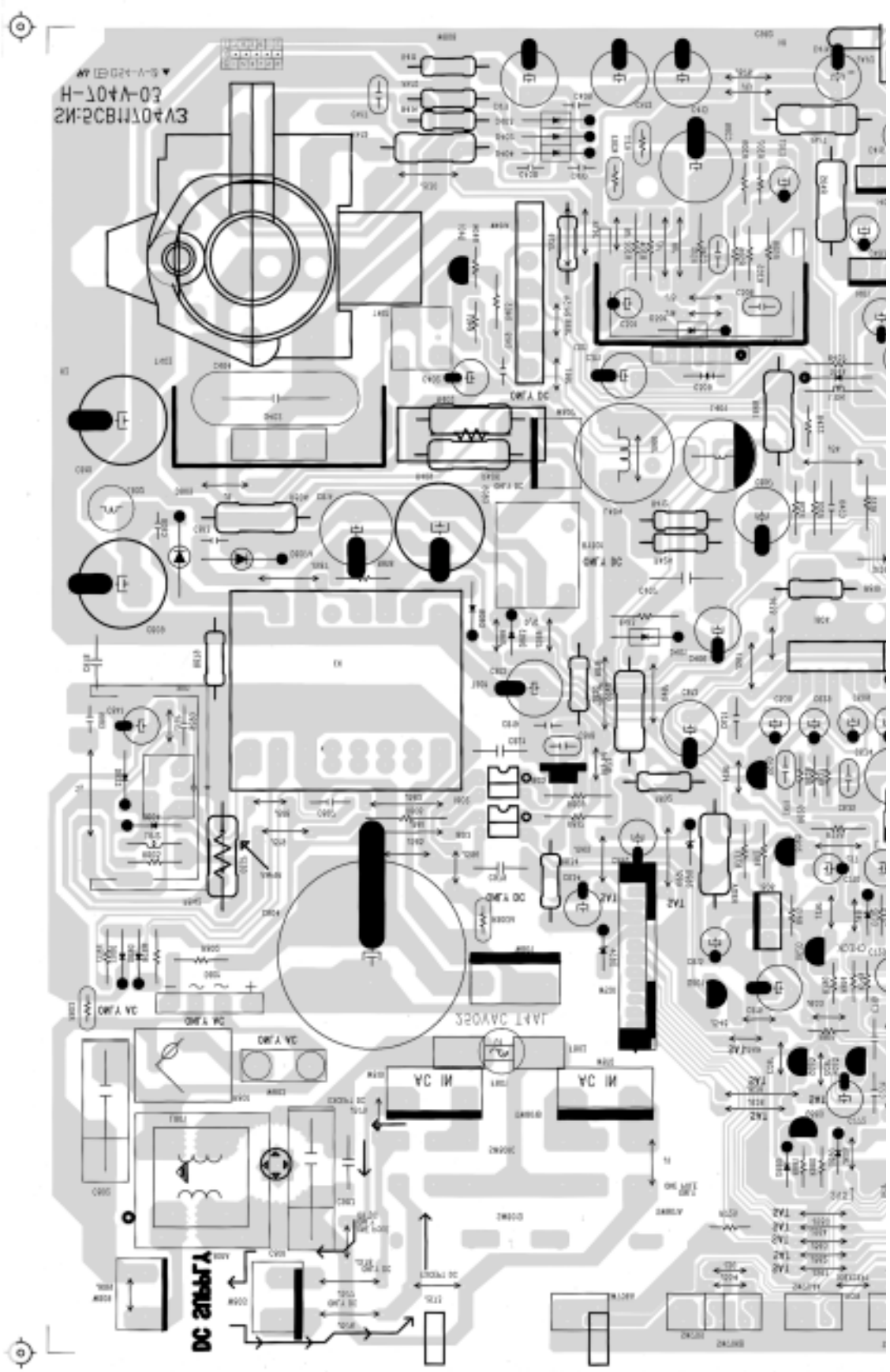
10. SCHEMETIC DIAGRAM

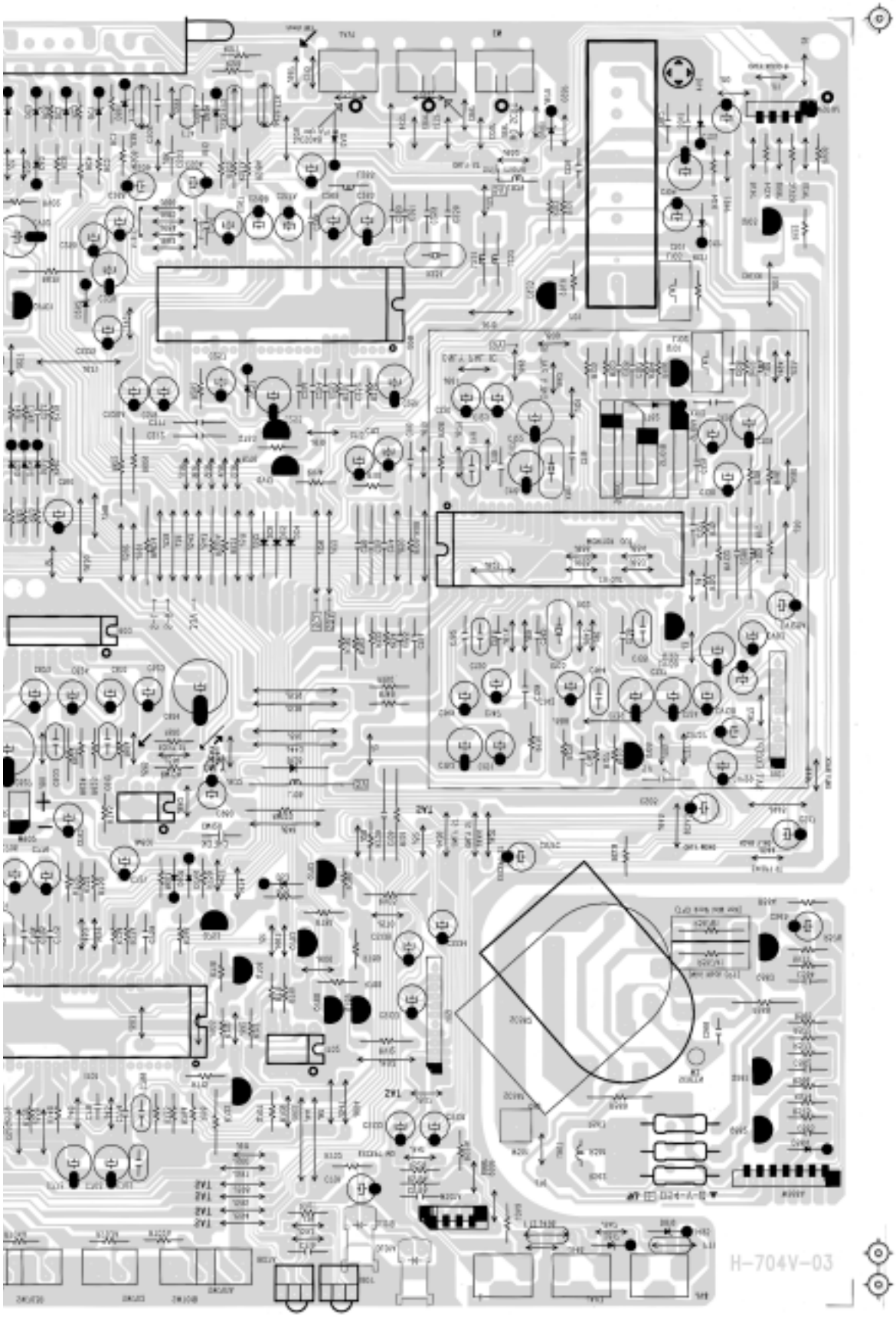
HT-704V(MONO.)—normal...최 종.sch-1 - Sun Aug 05 15:18:56 2001




MONO PART
SOUND PART
CRT BOARD
R-OUT
L-OUT
MONO
HYUNWOO McPLUS
HT-704V(MONO)

11. PRINTED CIRCUIT BOARD




H-704V-03

12. REPLACEMENT PARTS LIST

No.	S / N	PART NAME	DESCRIPTION	QUANTITY	LOCATION LIST
1	9C91100C02	A/V SHEET	“2100,SIDE-AV01,EN,PVC,433U”	1 EA	M0116B
2	5CU13DYS01	ANT ADAPTOR	YSC-T-108	1 EA	100A
3	5CL9100002	ANT-ROD	DIPOLE 700 3STEP	1 EA	100B
4	5ND11R6PNN	BATTERY	R6P(AAM) 1.5V	2 EA	100E
5	8C819CKC04	BOX CABINET	“SW1,830x635x470,2110”	0.42 EA	“M0400A,M0400B”
6	8N819SKN03	BOX SKD	“SW1,PCB-MAIN(3)”	0.13 EA	M0600
7	7C21900C01	BRACKET PCB	“2100,HB,433U,SIDE-A/V”	1 EA	M0116
8	7C31110C00	BUTTON KNOB	“2110,ABS GY91164,4791”	1 EA	M0105
9	CXB3A471KT	C CERAMIC	B 1KV 470pF K	1 EA	C808
10	CXB3D102KT	C CERAMIC	B 2KV 1000pF K	1 EA	C566
11	CXB2H102KT	C CERAMIC	B 500V 1000pF K	5 EA	“C408,C409,C410,C813,C819”
12	CXB2H222KT	C CERAMIC	B 500V 2200pF K	1 EA	C419
13	CXN3D102KR	C CERAMIC	BN 2KV 1000pF K	1 EA	C806
14	CCS2H100KT	C CERAMIC	SL 500V 10pF K	1 EA	C309
15	C1X1C562MT	C CERAMIC AXL	EP050 X 5600pF M	1 EA	C148
16	C1B1H102KT	C CERAMIC AXL	UP050 B 1000pF K	7 EA	“C271,C272,C715,C807,C826,” “CS03,CS08”
17	C1B1H101KT	C CERAMIC AXL	UP050 B 100pF K	7 EA	“C102,C103,C110,C154,C253,” “C254,C349”
18	C1B1H151KT	C CERAMIC AXL	UP050 B 150pF K	2 EA	“C136,C143”
19	C1B1H471KT	C CERAMIC AXL	UP050 B 470pF K	3 EA	“C562,C563,C564”
20	C2C1H110JT	C CERAMIC AXL	UP050 CH 11pF J	1 EA	C145
21	C2C1H150JT	C CERAMIC AXL	UP050 CH 15pF J	1 EA	C155
22	C2C1H479KT	C CERAMIC AXL	UP050 CH 4.7pF K	2 EA	“C258,C259”
23	C2C1H829KT	C CERAMIC AXL	UP050 CH 8.2pF K	1 EA	C119
24	CZF1H103ZT	C CERAMIC AXL	UP050 F 0.01uF Z(M)	16 EA	“C106,C107,C108,C126,C127,” “C133,C138,C159,C252,C256,” “C719,C759,C771,C774,C775,” CS05
25	CZF1H104ZT	C CERAMIC AXL	UP050 F 0.1uF Z(M)	8 EA	“C114,C115,C116,C125,C264,” “C266,C626,C631”
26	C2S1H330JT	C CERAMIC AXL	UP050 SL 33pF J	2 EA	“C704,C705”
27	C2S1H560JT	C CERAMIC AXL	UP050 SL 56pF J	3 EA	“C260,C261,C280”
28	CAI2G222PN	C CERAMIC-AC	E AC400V 2200pF UL/CSA/TUV	1 EA	C821
29	CSS2C101MN	C ELECTRO	160V 100uF RSS	2 EA	“C809,C810”
30	CSS2C109MT	C ELECTRO	160V 1uF RSS	1 EA	C402
31	CSS2C229MT	C ELECTRO	160V 2.2uF RSS	1 EA	C406

No.	S / N	PART NAME	DESCRIPTION	QUANTITY	LOCATION LIST
32	CSS1C101MT	C ELECTRO	16V 100uF RSS	17 EA	“C104,C109,C118,C122,C137,” “C139,C153,C251,C255,C263,” “C270,C703,C772,C773,C776,” “C815,CV130”
33	CSS1C221MT	C ELECTRO	16V 220uF RSS	2 EA	“C414,CV02”
34	CSS1C331MT	C ELECTRO	16V 330uF RSS	1 EA	C816
35	CSS1C471MT	C ELECTRO	16V 470uF RSS	3 EA	“C412,C627,C634”
36	CSS1C470MT	C ELECTRO	16V 47uF RSS	2 EA	“C623,C628”
37	CSS2E100MN	C ELECTRO	250V 10uF RSS	1 EA	C413
38	CSS1E102MN	C ELECTRO	25V 1000uF RSS	2 EA	“C308,C814”
39	CSS1E471MN	C ELECTRO	25V 470uF RSS	3 EA	“C613,C614,C812”
40	CSS1V101MT	C ELECTRO	35V 100uF RSS	2 EA	“C405,C415”
41	CSS1V471MN	C ELECTRO	35V 470uF RSS	1 EA	C411
42	CLH2G221MP	C ELECTRO	400V 220uF LHS (30X35)	1 EA	C804
43	CSS1H108MT	C ELECTRO	50V 0.1uF RSS	2 EA	“C609,C610”
44	CSS1H228MT	C ELECTRO	50V 0.22uF RSS	3 EA	“C112,C129,C151”
45	CSS1H478MT	C ELECTRO	50V 0.47uF RSS	3 EA	“C120,C123,C130”
46	CSS1H101MT	C ELECTRO	50V 100uF RSS	1 EA	C311
47	CSS1H100MT	C ELECTRO	50V 10uF RSS	20 EA	“C105,C149,C160,C265,C268,” “C269,C301,C403,C416,C565,” “C624,C625,C629,C630,C632,” “C701,CV03,CV128,CV129,CV137”
48	CSS1H109MT	C ELECTRO	50V 1uF RSS	8 EA	“C124,C142,C307,C706,CS17A,” “CS18B,CS19,CS20A”
49	CSS1H229MT	C ELECTRO	50V 2.2uF RSS	1 EA	C134
50	CSS1H220MT	C ELECTRO	50V 22uF RSS	1 EA	C113
51	CSS1H339MT	C ELECTRO	50V 3.3uF RSS	2 EA	“C257,C267”
52	CSS1H479MT	C ELECTRO	50V 4.7uF RSS	4 EA	“C101,C147,CS04,CS09”
53	CSS1H470MT	C ELECTRO	50V 47uF RSS	2 EA	“C146,C841”
54	CLC2N104KN	C LINE ACROSS	AC275V 0.1uF UL/VDE/S/N/D	2 EA	“C801,C802”
55	CXM2A103KT	C MYLAR	100V 0.01uF K	1 EA	C799
56	CXM2A333KT	C MYLAR	100V 0.033uF K	1 EA	C716
57	CXM2A473KT	C MYLAR	100V 0.047uF K	1 EA	C111
58	CXM2A104KT	C MYLAR	100V 0.1uF K	8 EA	“C144,C150,C310,C417,C633,”

No.	S / N	PART NAME	DESCRIPTION	QUANTITY	LOCATION LIST
					“C635,C702,C818”
59	CXM2A102KT	C MYLAR	100V 1000pF K	1 EA	C306
60	CXM2A272KT	C MYLAR	100V 2700pF K	2 EA	“C611,C612”
61	CMP2G274JD	C MYLAR	MPP 400V 0.27uF J	1 EA	C407
62	CPP3C103JD	C MYLAR	PP 1.6KV 0.01uF J	1 EA	C404
63	8C817SKN01	CELO TAPE	“PE,T0.07x50x496”	6 EA	M0304
64	LA02100KBT	COIL PEAKING AXL	AL02TB 10uH K	10 EA	“L101,L104,L105,L106,L107,”
					“L251,L252,L253,L701,L829”
65	LR06181JTT	COIL PEAKING RDL	180uH J	1 EA	L561
66	5CL213550T	COIL-BEAD	HC-3550	1 EA	L812
67	5SL34R25KN	COIL-CHOKE	5511-101-R25K	1 EA	L102
68	5CL349004Y	COIL-CHOKE	AZ-9004Y	1 EA	L802
69	5CL34F9225	COIL-CHOKE	TRF-9225	1 EA	L103
70	5CL35TL102	COIL-LINEARITY	TRL-102	1 EA	L401
71	5CL36TR414	COIL-WIDTH	TRW-414M	1 EA	L404
72	4W45024502	CONNECTOR ASSY	2P 450 YMH251/110REC (SH)	1 EA	W603A
73	4W45034502	CONNECTOR ASSY	3P 450 YMH251/110REC (SH/NC)	1 EA	W602A
74	4W42053500	CONNECTOR ASSY	5P 350 YMH251/35022 (SHIELD)	1 EA	WS2A
75	4W42084500	CONNECTOR ASSY	8P 450 YBNH250*2	1 EA	W566A
76	4CW8121H01	CRT GND ASSY	16/4/0.12-970(H)	1 EA	5006
77	7C71179N00	CRT RUBBER	“CR,T=7,I=9.5,O=20”	4 EA	M0101C
78	5CJ61SH04S	CRT SOCKET	ISHS04S	1 EA	SC561A
79	5CV111843N	CRYSTAL	18.432MHz	1 EA	X251
80	5CV113579N	CRYSTAL	3.579545MHz	1 EA	X103
81	5CV114433N	CRYSTAL	4.433619MHz	1 EA	X101
82	5CV116—-N	CRYSTAL	6.0MHz	1 EA	X701
83	5CL81021FF	DEGAUSSING COIL	CD-0210FF	1 EA	W807A
84	DB2SBA60-N	DIODE BRIDGE	G2SBA60	1 EA	D801
85	DD1N4003-T	DIODE RECT	1N4003	1 EA	D301
86	DD1N4937-T	DIODE RECT-FAST	1N4937	9 EA	“D401,D402,D403,D404,D800,”
					“D802,D804,D806,D822”
87	DDFR304M-N	DIODE RECT-FAST	FR304M	1 EA	D807A

No.	S / N	PART NAME	DESCRIPTION	QUANTITY	LOCATION LIST
88	DDRU3AM-FN	DIODE RECT-FAST	RU3AM-B1	1 EA	D805
89	DD1N4148-T	DIODE SW	1N4148	11 EA	“D123,D124,D125,D128,D129,” “D144,D253,D564,D601,D709,” D752
90	DZUZ-2.4BT	DIODE ZENER	UZ-2.4B	1 EA	D702
91	DZUZ-3.0BT	DIODE ZENER	UZ-3.0B	1 EA	D880
92	DZUZ-3.3BT	DIODE ZENER	UZ-3.3B	2 EA	“D890,DS3”
93	DZUZ-33B-T	DIODE ZENER	UZ-33B	1 EA	D101
94	DZUZ8.2BMT	DIODE ZENER	UZ-8.2BM	1 EA	D252
95	5CL41JF172	FBT	JF0501-19172	1 EA	T402
96	5CL33B103M	FILTER-EMI	CFI 06 B 1H 103MF	6 EA	“FT3,FT4,FT5,FT6,FT7,” FT8
97	5CL31424A2	FILTER-LINE	LF-2424A2	1 EA	L801
98	5CF813350K	FILTER-SAW	K3350K	1 EA	SF101A
99	33313FR800	FLUX CUT	FR-8000	4.2 mL	M0003
100	33313IR410	FLUX SOLDER	IR-410M	0.01 Kg	M0004
101	33313RT400	FLUX SOLVENT	RT-400	0.01 Kg	M0005
102	5NJ41BSP3M	FUSE CLIP	BSP3-M T0.45SN5	2 EA	F802
103	5NS364A004	FUSE SEMKO/VDE/UL	5T 250V 4A TIME-LAG	1 EA	F801
104	5CL321034G	HDT	HD-1034G	1 EA	T401
105	7C611WSD00	HEAT SINK	WJ-HTSD00	1 EA	Q402A
106	7C611WSI01	HEAT SINK	WJ-HTSI01	1 EA	I801A
107	7C611WSM00	HEAT SINK	WJ-HTSM00	1 EA	I301A
108	USIWC16P-N	IC	CSI24WC16P	1 EA	I702
109	UKA7805—N	IC	KA7805	2 EA	“I402,I806”
110	UKA7809—N	IC	KA7809	1 EA	I401
111	ULA7151—N	IC	LA7151	1 EA	IV01
112	ULA7841K-N	IC	LA7841K	1 EA	I301
113	UMSP3410DN	IC	MSP3410D-PO-C5	1 EA	I602
114	UNN5198K-N	IC	NN5198K	1 EA	I102
115	USE120N—N	IC	SE120N	1 EA	I805
116	USTRG6653N	IC	STR-G6653	1 EA	I801

No.	S / N	PART NAME	DESCRIPTION	QUANTITY	LOCATION LIST
117	UTDA1905-N	IC	TDA1905	2 EA	“I603,I604”
118	UPC17K1—N	IC PHOTO	PC-17K1	2 EA	“I802,I803”
119	USDA55XX-N	IC u-COM	SDA555XFL	1 EA	I701
120	7C21710C00	INDICATOR	“2110,PMMA MILKY”	1 EA	M0106
121	5CU21652V1	IR PREAMP	HI-M652V1	1 EA	I807
122	DL50231—N	LED	DLL-50231	1 EA	DL01A
123	7C21162N00	LED HOLDER	NYLON66 BK	1 EA	M0702
124	5CB11704V3	MAIN PCB	330x246x1.6T(H-704V-03)	1 EA	10
125	9C916ESC00	MARK BRAND	“AL(EMERSON),21B,BK-GY”	2 EA	“M0109,M0109”
126	7C31210C00	MASTER S/W KNOB	“2110,ABS GY91164,4791”	1 EA	M0104
127	5CR528D131	NTC THERMISTOR	DSC-8D-13(F/C)	1 EA	R802
128	8N812SKN04	PAD PCB-MOLD	“SPF-02,(M3)”	0.25 EA	M0601
129	8C813CKB00	PAPER PAD	“SW1,600x450,FM1”	0.4 EA	M0402A
130	5CJ56Y603B	PHONE JACK	YSC-06P-03B	1 EA	JAV1
131	5CJ5311S00	PHONE JACK	YSC03P-4120-11S	1 EA	JAV4
132	8N81162N00	POLY BAG M	“LDPE,T0.06x165x260”	0.13 EA	M0603
133	8N811SKN01	POLY BAG PCB	“LDPE,T0.04x350x410,MAIN”	1 EA	M0602
134	5CR5111801	POSISTOR	ECPCC180M290	1 EA	R801
135	4CW11419JC	POWER CORD ASSY	KKP-419J(C)	1 EA	P801
136	RMA5604MNT	R CARBON COMP	1/2W 5.6M M	1 EA	R879
137	RDA1R50JNT	R CARBON FILM	1/2W 1.5 J	1 EA	R308
138	RDA1502JNT	R CARBON FILM	1/2W 15K J	1 EA	R413
139	RDA2001JNT	R CARBON FILM	1/2W 2K J	2 EA	“R412,R424”
140	RDA3301JNT	R CARBON FILM	1/2W 3.3K J	3 EA	“R567B1,R568,R569”
141	RDA3300JNT	R CARBON FILM	1/2W 330 J	1 EA	R310
142	RDB10R0JNT	R CARBON FILM	1/4W 10 J	1 EA	R837
143	RDB2201JNT	R CARBON FILM	1/4W 2.2K J	1 EA	R838
144	RDB2701JNT	R CARBON FILM	1/4W 2.7K J	1 EA	R403
145	RDB4701JNT	R CARBON FILM	1/4W 4.7K J	1 EA	R808
146	RDB4700JNT	R CARBON FILM	1/4W 470 J	1 EA	R812
147	RDB6800JNT	R CARBON FILM	1/4W 680 J	1 EA	R805
148	RDD1R00JNT	R CARBON FILM	1/6W 1 J	2 EA	“R625,R629”

No.	S / N	PART NAME	DESCRIPTION	QUANTITY	LOCATION LIST
149	RDD1201JNT	R CARBON FILM	1/6W 1.2K J	4 EA	“R105,R572,R574,R576”
150	RDD1501JNT	R CARBON FILM	1/6W 1.5K J	4 EA	“R127,R150,R809,R817”
151	RDD1801JNT	R CARBON FILM	1/6W 1.8K J	1 EA	R106
152	RDD1000JNT	R CARBON FILM	1/6W 100 J	20 EA	“R107,R109,R111,R112,R113,” “R121,R132,R251,R252,R624,” “R628,R701,R710,R711,R712,” “R715,R719,R813,RV03,RV132”
153	RDD1003JNT	R CARBON FILM	1/6W 100K J	6 EA	“R115,R117,RS17,RS18,RS19A,” RS20
154	RDD1002JNT	R CARBON FILM	1/6W 10K J	15 EA	“R108,R140,R141,R301,R302,” “R603,R623,R627,R702A,R704A,” “R720,R721,R737,R815,RS06”
155	RDD1103JNT	R CARBON FILM	1/6W 110K J	1 EA	R118
156	RDD1102JNT	R CARBON FILM	1/6W 11K J	4 EA	“R133,R305,R609,R612”
157	RDD13R0JNT	R CARBON FILM	1/6W 13 J	1 EA	R120
158	RDD1500JNT	R CARBON FILM	1/6W 150 J	5 EA	“R101,R102,R564,R565,R566”
159	RDD1503JNT	R CARBON FILM	1/6W 150K J	1 EA	R116
160	RDD1502JNT	R CARBON FILM	1/6W 15K J	3 EA	“R114,R423,R754”
161	RDD1800JNT	R CARBON FILM	1/6W 180 J	5 EA	“R129,R750,R751,R752,R881”
162	RDD1802JNT	R CARBON FILM	1/6W 18K J	6 EA	“R610,R614,RS17A,RS18A,RS20A,” RS21
163	RDD1001JNT	R CARBON FILM	1/6W 1K J	10 EA	“R125,R139,R149,R152,R253,” “R702,R790,RD5,RS02,RV05”
164	RDD2201JNT	R CARBON FILM	1/6W 2.2K J	4 EA	“J556,R131,R703A,R733”
165	RDD2000JNT	R CARBON FILM	1/6W 200 J	1 EA	R401
166	RDD2200JNT	R CARBON FILM	1/6W 220 J	1 EA	R404
167	RDD2402JNT	R CARBON FILM	1/6W 24K J	1 EA	R110
168	RDD2700JNT	R CARBON FILM	1/6W 270 J	3 EA	“R573,R575,R577”
169	RDD2702JNT	R CARBON FILM	1/6W 27K J	1 EA	R306
170	RDD3901JNT	R CARBON FILM	1/6W 3.9K J	1 EA	R134
171	RDD39R0JNT	R CARBON FILM	1/6W 39 J	2 EA	“R880,R890”
172	RDD3900JNT	R CARBON FILM	1/6W 390 J	1 EA	R119

No.	S / N	PART NAME	DESCRIPTION	QUANTITY	LOCATION LIST
173	RDD4701JNT	R CARBON FILM	1/6W 4.7K J	16 EA	“R104,R130,R422,R709,R716,” “R717,R718,R722,R734,R748,” “R758,R759,R780,R781,R814,” RD4
174	RDD4302JNT	R CARBON FILM	1/6W 43K J	1 EA	R309
175	RDD47R0JNT	R CARBON FILM	1/6W 47 J	1 EA	R103
176	RDD5601JNT	R CARBON FILM	1/6W 5.6K J	1 EA	R724
177	RDD56R0JNT	R CARBON FILM	1/6W 56 J	1 EA	R835
178	RDD6801JNT	R CARBON FILM	1/6W 6.8K J	1 EA	R407
179	RDD7501JNT	R CARBON FILM	1/6W 7.5K J	1 EA	R739
180	RDD75R0JNT	R CARBON FILM	1/6W 75 J	3 EA	“RV01,RV02,RV06”
181	RDD9102JNT	R CARBON FILM	1/6W 91K J	1 EA	R304
182	RW56201JA2	R CEMENT	5W 6.2K J LUG TYPE	1 EA	R409
183	RS11R00JBT	R MOX FILM	1W 1 J	3 EA	“R410,R411,R414”
184	RS11601JBT	R MOX FILM	1W 1.6K J	1 EA	R819
185	RS14702JBT	R MOX FILM	1W 47K J	1 EA	R810
186	RS21R00JBN	R MOX FILM	2W 1 J	1 EA	R405
187	RS215R0JBN	R MOX FILM	2W 15 J	1 EA	R417
188	RS21502JBN	R MOX FILM	2W 15K J	3 EA	“R561,R562,R563”
189	RS22R00JBN	R MOX FILM	2W 2 J	1 EA	R415
190	RS230R0JBN	R MOX FILM	2W 30 J	1 EA	R811A
191	RX25602JBZ	R MOX FILM RDL	2W 56K J (MINI)	1 EA	R803
192	RP2R220JBN	R PRN	2W 0.22 J	1 EA	R842
193	7N23362N00	RING INSULATOR	DARI-4151	1 EA	6001
194	5CJ62S21R1	SCART SOCKET	YRS21-R1	1 EA	JAV2
195	ST2HD628SE	SCREW CPT	“SWRM+SK-6 (L=28),WD=18”	4 EA	M0110
196	ST2PN310SE	SCREW TAPPING	T2S PAN 3x10 MFZN	2 EA	“I801B,Q402B”
197	ST2TN412SE	SCREW TAPPING	T2S TRS 4x12 MFZN	4 EA	M0102C
198	ST2TN414SM	SCREW TAPPING	T2S TRS 4x14 MFZN(B)	1 EA	M0200B
199	ST2TN418SM	SCREW TAPPING	T2S TRS 4x18 MFZN(B)	6 EA	M0200A
200	ST2PK310SE	SCREW TAPPING	T2S WAS 3x10 MFZN	16 EA	“11A,I301B,M0105A,M0106A,M0111A,” M0116A

No.	S / N	PART NAME	DESCRIPTION	QUANTITY	LOCATION LIST
201	ST2PK310SM	SCREW TAPPING	T2S WAS 3x10 MFZN(B)	1 EA	M0200C
202	7C240VSN00	SHIELD CASE	ET T0.3	1 EA	M1
203	5CB11704VA	SIDE PCB	92x27x1.6T(H-704V-AV)	1 EA	5001
204	33317G600N	SILICON GREASE	G-600	Kg	M0002
205	5CL61S730B	SMPS-TRANS	TSM-730B	1 EA	T801
206	33311SNA64	SOLDER BAR	SNA 60:40	0.03 Kg	M0007
207	33312SNA45	SOLDER WIRE	45 SNA 1.2D	0.01 Kg	M0006
208	5CA1208055	SPEAKER	F2250C-4470-3 8-OHM 5W	2 EA	M0111
209	6C12310C01	SPEAKER PANEL	“2110L,ABS,4791”	1 EA	M0102D
210	6C12310C00	SPEAKER PANEL	“2110R,ABS,4791”	1 EA	M0102A
211	5CS1316001	SW-POWER	SS-160-PCB	1 EA	SW801C
212	5NS11102VA	SW-TACT	I.T 1102VA	6 EA	“SW701A,SW702,SW703A,SW704A,SW705,” SW706A
213	33320DA100	TIE CABLE	DA 100	5 EA	M0A
214	T2N7000—T	TR FET	2N7000	2 EA	“Q706,Q707”
215	T2SD2499-N	TR NPN	2SD2499	1 EA	Q402
216	TKSC2330YT	TR NPN	KSC2330-Y	1 EA	Q401
217	TKSC388CYT	TR NPN	KSC388C-Y	1 EA	Q101
218	TKSC945CYT	TR NPN	KSC945C-Y	9 EA	“Q105,Q120,Q703,Q752,Q790,” “Q801,Q802,Q880,QV101”
219	TKTC3229-N	TR NPN	KTC3229	3 EA	“Q561,Q562,Q563”
220	TKSA709CYT	TR PNP	KSA709C-Y	2 EA	“Q702,Q753”
221	TKSA733CYT	TR PNP	KSA733C-Y	1 EA	Q701
222	5CU12N14DO	TRANSMITTER REMOCON	HR14-VE2BB	1 EA	100D
223	5CF32M4B05	TRAP-CERA	MKTGA40M4AAHP00B05	1 EA	X102
224	5CF11MD010	TUNER-F/S US	DT5-BF14D	1 EA	I101
225	DVSVR471DN	VARISTOR	SVR471D14AS00	1 EA	C893
226	4CJ21YF506	WAFER	YFW-500-06	1 EA	W401A
227	4CJ21YF801	WAFER	YFW-800-01	1 EA	W561
228	4CJ21YF802	WAFER	YFW-800-02	1 EA	W802
229	4CJ22YMW02	WAFER	YMW250-02	1 EA	W603
230	4CJ22YMW03	WAFER	YMW250-03	1 EA	W602

No.	S / N	PART NAME	DESCRIPTION	QUANTITY	LOCATION LIST
231	4CJ22YMW05	WAFER	YMW250-05	1 EA	WS2
232	4NWJP075DT	WIRE COPPER	AWG22 1/0.65 TIN COATING	79 EA	“J03,J04,J105,J112,J119,” “J121,J125,J14,J149,J15,” “J151,J2,J20,J28,J39,” “J435,J441,J45,J457,J459,” “J460,J467,J474,J48,J482,” “J487,J490,J494,J5,J503,” “J504,J51,J513,J515,J517,” “J518,J522,J525,J554,J557,” “J575,J590,J593,J602,J603,” “J605,J611,J612,J613,J614,” “J615,J619,J623,J633,J634,” “J635,J637,J643,J650,J656,” “J657,J666,J667,J668,J669,” “J670,J672,J674,J675,J682,” “J683,J685,J689,J76,J80,” “J89,J90,J98,R705A”
233	4NWJP100DT	WIRE COPPER	AWG22 1/0.65 TIN COATING	25 EA	“J13,J148,J27,J421,J436,” “J444,J478,J519,J520,J524,” “J526,J547,J548,J558,J559,” “J567,J573,J585,J6,J600,” “J604,J618,J621,J676,J8”
234	4NWJP125DT	WIRE COPPER	AWG22 1/0.65 TIN COATING	14 EA	“J16,J17,J18,J30,J34,” “J445,J453,J529,J530,J587,” “J591,J592,J640,J688”
235	4NWJP150DT	WIRE COPPER	AWG22 1/0.65 TIN COATING	8 EA	“J113,J128,J150,J38,J511,” “J512,J581,J583”
236	4NWJP175DT	WIRE COPPER	AWG22 1/0.65 TIN COATING	9 EA	“J122,J126,J44,J443,J510,” “J61,J630,J631,J636,J7”
237	W11C0C400Z	WIRE-LEAD	UL1015 AWG22-C BK 400	1 EA	DV4

MODEL : HT-1499MEG
OPTION GROUP : INCH
OPTION : THAI 20”

704V Chassis Change Parts List

No.	ASSEMBLY	D	BEFORE										
			Location	S/N	Part Name	Description	Q’ty.	Location	S/N	Part Name	Description	Q’ty.	Remark
1	CPT ASSEMBLY	C	1000	4CT41TH14B	CRT	A34JXV70X63 N30	1	1000	4CT41TH20B	CPT	A48LGS30X83 N30	1	
2	CPT ASSEMBLY	C	1000A	4CW8114H02	CRT GND ASSY	16/4/0.12-635 (H)	1	5006	4CW8120H02	CRT GND ASSY	16/4/0.12-870 (H)	1	
3	PCB MAIN AXIAL ASSEMBLY	C	R308	RDA2R20JNT	R CARBON FILM	1/2W 2.2 J	1	R308	RDA1R80JNT	R CARBON FILM	1/2W 1.8 J	1	
4	PCB MAIN AXIAL ASSEMBLY	C	R407	RDD3902JNT	R CARBON FILM	1/6W 39K J	1	R407	RDD1502JNT	R CARBON FILM	1/6W 15K J	1	
5	PCB MAIN AXIAL ASSEMBLY	C	R422	RDD8201JNT	R CARBON FILM	1/6W 8.2K J	1	R422	RDD6201JNT	R CARBON FILM	1/6W 6.2K J	1	
6	PCB MAIN MANUAL ASSEMBLY	C	C404	CPP3C622JD	C MYLAR	PP 1/6KV 6200pF J	1	C404	CPP3C722JD	C MYLAR	PP 1/6KV 7200pF J	1	
7	PCB MAIN MANUAL ASSEMBLY	C	L404	5CL36TR230	COIL-WIDTH	TRW-230M	1	L404	5CL36TR350	COIL-WIDTH	TRW-350M	1	
8	PCB MAIN MANUAL ASSEMBLY	C	T402	5CL413724S	FBT	FSA37024S	1	T402	5CL413725M	FBT	FSA37025M	1	

OPTION : PHIL 21”

No.	ASSEMBLY	D	BEFORE										
			Location	S/N	Part Name	Description	Q’ty.	Location	S/N	Part Name	Description	Q’ty.	Remark
1	CABINET ASSEMBLY	C	W602A	4W45033500	CONNECTOR ASSY	3P 350 YMH251/110REC (NC)	1	W602A	4W45034500	CONNECTOR ASSY	3P 450 YMH251/110REC (NC)	1	
2	CABINET ASSEMBLY	C	W603A	4W45023500	CONNECTOR ASSY	2P 350 YMH251/110REC	1	W603A	4W45024500	CONNECTOR ASSY	2P 450 YMH251/110REC	1	
3	CPT ASSEMBLY	C	1000	4CM41TH14B	CPT	A34JXV70X63 N30	1	1000	4CT41PH21B	CPT	A51EFK135X01	1	
4	CPT ASSEMBLY	C	1000A	4CW8114H02	CRT GND ASSY	16/4/0.12-635 (H)	1	5006	4CW8121H01	CRT GND ASSY	16/4/0.12-970 (H)	1	
5	CPT ASSEMBLY	C	1000B	5CL81014CV	DEGAUSSING COIL	CD-0140CV	1	W807A	5CL81021DD	DEGAUSSING COIL	CD-0210DD	1	
6	PCB AMIN AXIAL ASSEMBLY	A						R567B1	RDA3301JNT	R CARBON FILM	1/2W 3.3K J	1	
7	PCB MAIN AXIAL ASSEMBLY	C	R308	RDA2R20JNT	R CARBON FILM	1/2W 2.2 J	1	R308	RDA1R50JNT	R CARBON FILM	1/2W 1.5 J	1	
8	PCB MAIN AXIAL ASSEMBLY	C	R407	RDD3902JNT	R CARBON FILM	1/6W 39K J	1	R407	RDD1502JNT	R CARBON FILM	1/6W 15K J	1	
9	PCB MAIN AXIAL ASSEMBLY	C	R422	RDD8201JNT	R CARBON FILM	1/6W 8.2K J	1	R422	RDD5101JNT	R CARBON FILM	1/6W 5.1K J	1	
10	PCB MAIN AXIAL ASSEMBLY	D	R567A1	RDA3301JNT	R CARBON FILM	1/2W 3.3K J	1						
11	PCB MAIN MANUAL ASSEMBLY	A						SC562	5CJ61SH04S	CRT SOCKET	ISHS04S	1	
12	PCB AMIN MANUAL ASSEMBLY	C	C404	CPP3C622JD	C MYLAR	PP 1.6KV 6200pF J	1	C404	CPP3C752JD	C MYLAR	PP 1.6KV 7500pF J	1	
13	PCB MAIN MANUAL ASSEMBLY	C	L404	5CL36TR230	COIL-WIDTH	TRW-230M	1	L404	5CL36TR157	COIL-WIDTH	TRW-157M	1	
14	PCB MAIN MANUAL ASSEMBLY	C	T402	5CL413724S	FBT	FSA37024S	1	T402	5CL413725M	FBT	FSA3702M	1	
15	PCB MAIN MANUAL ASSEMBLY	D	SC561	5CJ61MM01S	CRT SOCKET	ISMM01S	1					1	

OPTION : S/S 21”

No.	ASSEMBLY	D	BEFORE										
			Location	S/N	Part Name	Description	Q’ty.	Location	S/N	Part Name	Description	Q’ty.	Remark
1	CABINET ASSEMBLY	C	W602A	4W45033500	CONNECTOR ASSY	3P 350 YMH251/110REC (NC)	1	W602A	4W45034500	CONNECTOR ASSY	3P 450 YMH251/110REC (NC)	1	
2	CABINET ASSEMBLY	C	W603A	4W45023500	CONNECTOR ASSY	2P 350 YMH251/110REC	1	W603A	4W45024500	CONNECTOR ASSY	2P 450 YMH251/110REC	1	
3	CPT ASSEMBLY	C	1000	4CM41TH14B	CPT	A34JXV70X63 N30	1	1000	4CT41PH21B	CPT	A51EFK135X01 (H) ITC 380	1	
4	CPT ASSEMBLY	C	1000A	4CW8114H02	CRT GND ASSY	16/4/0.12-635 (H)	1	5006	4CW8121H01	CRT GND ASSY	16/4/0.12-970 (H)	1	
5	CPT ASSEMBLY	C	1000B	5CL81014CV	DEGAUSSING COIL	CD-0140CV	1	W807A	5CL81021DD	DEGAUSSING COIL	CD-0210DD	1	
6	PCB MAIN AXIAL ASSEMBLY	A						R567B1	RDA3301JNT	R CARBON FILM	1/2W 3.3K J	1	
7	PCB MAIN AXIAL ASSEMBLY	A						J566	4NWJP100DT	WIRE COPPER	AWG22 1/0.65 TIN COATING	1	
8	PCB MAIN AXIAL ASSEMBLY	C	R308	RDA2R20JNT	R CARBON FILM	1/2W 2.2 J	1	R308	RDA1R50JNT	R CARBON FILM	1/2W 1.5 J	1	
9	PCB MAIN AXIAL ASSEMBLY	C	R407	RDD3902JNT	R CARBON FILM	1/6W 39K J	1	R407	RDD1502JNT	R CARBON FILM	1/6W 15K J	1	
10	PCB MAIN AXIAL ASSEMBLY	C	R422	RDD8201JNT	R CARBON FILM	1/6W 8.2K J	1	R422	RDD5101JNT	R CARBON FILM	1/6W 5.1K J	1	
11	PCB MAIN AXIAL ASSEMBLY	D	R567A1	RDA3301JNT	R CARBON FILM	1/2W 3.3K J	1						
12	PCB MAIN MANUAL ASSEMBLY	A						SC561A	5CJ61SH04S	CRT SOCKET	ISHS04S	1	
13	PCB MAIN MANUAL ASSEMBLY	C	C404	CPP3C622JD	C MYLAR	PP 1.6KV 6200pF J	1	C404	CPP3C752JD	C MYLAR	PP 1.6KV 7500pF J	1	
14	PCB MAIN MANUAL ASSEMBLY	C	C407	CMP2D394JD	C MYLAR	MPP 200V 0.39uF J	1	C407	CMP2D474JD	C MYLAR	MPP 200V 0.47uF J	1	
15	PCB MAIN MANUAL ASSEMBLY	C	R415A	RS11R50JBN	R MOX FILM	1W 1.5J	1	R415A	RS1R220JBN	R MOX FILM	1W 0.22 J	1	
16	PCB MAIN MANUAL ASSEMBLY	C	T402	5CL413724S	FBT	FSA37024S	1	T402	5CL413725M	FBT	FSA37025M	1	
17	PCB MAIN MANUAL ASSEMBLY	D	L404	5CL36TR230	COIL-WIDTH	TRW-230M	1						
18	PCB MAIN MANUAL ASSEMBLY	D	SC561	5CJ61MM01S	CRT SOCKET	ISMM01S	1						