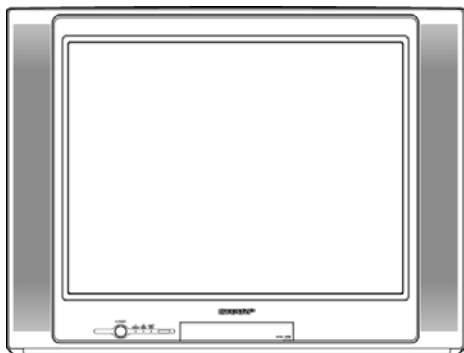


# SHARP SERVICE MANUAL



No. S360921KFD5RU

## COLOUR TELEVISION Chassis No.GA-5

## MODEL 21K-FD5RU

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

### FEATURES

- Multi 21 Systems
- Full Auto Channel Preset and Auto Channel Skip
- 100-CH Program Memory
- CATV (Hyper Band) Ready
- <Used Frequency Synthesizer Tuner>
- Black Stretch Circuit
- On Timer/Sleep Timer/Reminder Timer
- Blue Back Noise Mute
- Front AV IN & Rear AV IN/OUT Terminals
- Aperture Control Circuit
- Auto Fine Tuning
- Colour Comb Filter (PAL & NTSC)
- High Contrast Picture
- Hotel Mode
- English/ Russia
- 2 Languages OSD
- White Temperature Select
- Component In
- Surround Sound Effect (with Bass/Treble/Balance)
- AV Stereo
- Blue Stretch Function
- AV Mode (Dynamic/Standard/Soft)
- Auto Picture Noise Reduction
- Pixel Generator
- Nicam & A2 Stereo decoder
- Tuner Booster
- Multi Language FastText

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#### Parts Guide

### WARNING

The chassis in this receiver is partially hot. Use an isolation transformer between the line cord plug and power receptacle, when servicing this chassis. To prevent electric shock, do not remove cover. No user-serviceable parts inside. Refer servicing to qualified service personnel.

CHAPTER 1. SPECIFICATIONS

[1] SPECIFICATIONS

Convergence .....	Self Convergence System
Focus .....	UNI-BI Focusing
Sweep Deflection .....	Magnetic
Intermediate Frequencies	
Picture IF Carrier .....	38.9MHz
Sound IF Carrier Frequency	
6.5MHz .....	32.4MHz
6.0MHz .....	32.9MHz
5.5MHz .....	33.4MHz
4.5MHz .....	34.4MHz
Colour Sub-Carrier Frequency .....	34.47MHz
Power Input .....	220 ~ 240V AC 50 Hz
Power Consumption .....	115W
Audio Power Output Rating .....	7.5W(rms) x 2pcs
Speaker	
Size .....	12 x 6 cm (2pcs)
Voice Coil Impedance .....	16 ohms at 400 Hz
Aerial Input Impedance	
VHF/UHF .....	75 ohms Unbalanced
Receiving System .....	PAL I, B/G, D/K SECAM B/G, D/K, K1, NTSC-M
Receiving Channel	
VHF-Channels .....	E2(48.25MHz) thru E12(224.25MHz) C1(49.75MHz) thru C12(216.25MHz) S1(105.25MHz) thru S41(463.25MHz)
UHF-Channels .....	E21(471.25MHz) thru E69(855.25MHz) C13(471.25MHz) thru C57(863.25MHz)
Dimensions .....	Width: 605mm Height: 468mm Depth: 487.5mm Weight(approx): 22.5kg
Cabinet material.....	All Plastics

Specifications are subject to change without prior notice

## CHAPTER 2. IMPORTANT SERVICE NOTES

### [1] IMPORTANT SERVICE NOTES

Maintenance and repair of this receiver should be done by qualified service personnel only.

#### 1. SERVICE OF HIGH VOLTAGE SYSTEM AND PICTURE TUBE

When servicing the high voltage system, remove static charge from it by connecting a 10K ohm resistor in series with an insulated wire ( such as a test probe ) between picture tube dag and 2nd anode lead. ( AC line cord should be disconnected from AC outlet. )

- 1) Picture tube in this receiver employs integral implosion protection.
- 2) Replace with the same type number of picture tube for continued safety.
- 3) Do not lift picture tube by the neck.
- 4) Handle the picture tube only when wearing shatterproof goggles and after discharging the high voltage completely.

#### 2. X-RAY

This receiver is designed so that any X-Ray radiation is kept to an absolute minimum. Since certain malfunctions or servicing may produce potentially hazardous radiation with prolonged exposure at close range, the following precautions should be observed :

- 1) When repairing the circuit, please make sure do not increase the high voltage of the set to more than 30.0kV ( at beam 0 $\mu$ A ).
- 2) To keep the set in a normal operation, please make sure it's function at 26.2kV $\pm$ 1.0kV ( at beam 1150 $\mu$ A ). The set has been factory - adjusted to the above -mentioned high voltage.

\* If there is a possibility that the high voltage fluctuates as a result of the repairs, never forget to check for such high voltage after the work.

- 3) Do not substitute a picture tube with unauthorized types and/or brands which may cause excessive X-ray radiation.

#### 3. BEFORE RETURNING THE RECEIVER

Before returning the receiver to the user , perform the following safety checks.

- 1) Inspect all lead dress to make certain that leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the receiver.
- 2) Inspect all protective devices such as non-metal control knobs, insulating materials, cabinet backs, adjustment and compartment cover or shields, isolation resistor-capacity networks, mechanical insulators etc.

## CHAPTER 3. ADJUSTMENT PRECAUTIONS

### [1] ADJUSTMENT PRECAUTIONS

This model's setting are adjusted in two different ways: through the I2C bus control and in the conventional analog manner. The adjustments via the I2C bus control include preset-only items and variable data.

CAUTION: MAKE SURE TV SET IN "NORMAL CONDITION" BEFORE SWITCH TO SERVICE MODE FOR ADJUSTMENT.

#### 1. Setting the service mode by the microprocessor.

- 1) Press SERVICE key on the remote controller to set the TV set to SERVICE mode position, and the microprocessor is in input mode. (Adjustment through the I2C bus control).
- 2) Press the MENU key on the remote controller to get ready to select the mode. (Adjustment mode, Setting mode, Check mode and Option mode) one by one.
- 3) Press the CH DOWN / UP key on the remote controller to select the item in Adjustment mode, Setting mode or Option mode.
- 4) Using the VOLUME UP / DOWN key on the remote controller, the data can be modified. Please wait approximately 200 msec for data storage in EEPROM before select to another mode.
- 5) In Check mode the data cannot be changed.
- 6) Press the SERVICE key again, it will switch to the NORMAL mode position, and the microprocessor is out of the SERVICE mode.

#### 2. Factory Presetting.

- 1) Power ON the TV set, press the SERVICE key on the remote controller, then press both the CH UP and VOL UP button on the set simultaneously for 5 secs.  
Initial values are automatically preset, only when a new EEPROM is used.
- 2) The initial data are preset as listed in page 3.7 ~ 3.16.
- 3) Make sure the data need modification or not (Initial data).

Precaution: If haven't done this initialization, it may possibly generate excessive Beam current.

#### 3. For reference please check with memory map RH-IXB584WJXX (See attachment).



## 1. ADJUSTMENT ITEM

\*\*\*Below are the adjustment items that should be done, PLS FOLLOW THE PROCEDURE.

Otherwise some adjustment items will not be accurate.

NO ***	ADJUSTMENT ITEM	EFFECTIVE MODEL	REVISION
1	BUS SET UP	ALL MODEL	
2	OPTION SET UP		
3	H-VCO		
4	VIF-VCO		
5	S-TRAP fo		
6	RF-AGC		
7	PURITY ADJ		
8	CONVERGENCE ADJ		
9	FOCUS ADJ		
10	V-SHIFT (50 Hz)		
11	H-SHIFT (50 Hz)		
12	V-SIZE (50 Hz)		
13	SCREEN		
14	SECAM-OFFSET		
15	SUB-COLOR		
16	SUB-TINT		
17	WHITE BALANCE		
18	SUB-BRIGHTNESS		
19	SUB-CONTRAST		
20	SIF VCO ADJ	Only for Nicam model	
21	BEAM CURRENT CHECK	ALL MODEL	
22	BEAM PROTECTOR CHECK		
23	HV PROTECTOR CHECK		
24	OTHER PROTECTOR CHECK		
25	AV OUT CHECK		
26	AV IN CHECK		
27	COMPONENT IN CHECK		
28	CONTRAST CONTROL CHECK		
29	COLOR CONTROL CHECK		
30	BRIGHTNESS CONTROL CHECK		
31	TINT CONTROL CHECK		
32	SHARPNESS CONTROL CHECK		
33	CH DISPLAY COLOR CHECK		
34	NORMAL DISPLAY CHECK		
35	WHITE TEMP CONTROL CHECK		
36	COLOR SYSTEM CHECK		
37	SURROUND CHECK		
38	TREBLE CHECK		
39	BASS CHECK		
40	BALANCE CHECK		
41	SOUND SYSTEM CHECK		
42	NOISE MUTE CHECK		
43	OSD LANGUAGE QUANTITY CHECK		
44	HEAD PHONE CHECK		
45	SHOCK TEST CHECK		

## 2. USER DATA IN SERVICE MODE

- 1). While SERVICE mode ON, EEPROM DATA will switch to the service data. Also, once SERVICE mode OFF, EEPROM will switch back to previous USER DATA.
- 2). In the service mode, the user data establish as below.

	USER DATA	
CONTRAST	MAX	60
COLOUR	CENT	0
BRIGHTNESS	CENT	0
TINT	CENT	0
SHARPNESS	CENT	0
WHITE TEMP	STANDARD	
S-VOLUME	MIN	
SURROUND	OFF	
TREBLE	CENT	0
BASS	CENT	0
BALANCE	CENT	0
BLUE BACK	OFF	
C SYSTEM	AUTO	
S SYSTEM	*1	

\*1: For each CH, data is same as before switch to Service mode.

The flow of Mode list as following,

\* Direct Key-in Mode for Service Items in Service Mode

RC CODE (HEX)	R/C KEY NAME	SERVICE-ITEM
01	POS 1	R-C UP (IN SERVICE MODE V00)
02	POS 2	G-C UP (IN SERVICE MODE V00)
03	POS 3	B-C UP (IN SERVICE MODE V00)
04	POS 4	R-C DOWN (IN SERVICE MODE V00)
05	POS 5	G-C DOWN (IN SERVICE MODE V00)
06	POS 6	B-C DOWN (IN SERVICE MODE V00)
07	POS 7	R-D UP (IN SERVICE MODE V00)
08	POS 8	B-D UP (IN SERVICE MODE V00)
0A	POS 0	B-D DOWN (IN SERVICE MODE V00)
09	FLASHBACK	R-D DOWN (IN SERVICE MODE V00)
27	FLASHBACK	Y-MUTE (BESIDES OF SERVICE MODE V00)
AE	WHITE TEMP UP	RF-AGC (V01)
AF	WHITE TEMP DOWN	VIF-VC0 (V02)
43	TUNE DOWN	H-VCO (V03)
B1	SHARPNESS DOWN	SUB-CON (V04)
6B	BALANCE LEFT	SUB-COL (V05)
B0	SHARPNESS UP	SUB-BRIGHT (V06)
6C	BALANCE RIGHT	SUB-TINT (V07)
62	TREBLE UP	SUB-SHP (V08)
63	TREBLE DOWN	SUB-COL-YUV (V09)
64	BASS UP	SUB-TINT-YUV (V10)
24	COLOUR UP	V-SIZE (V11), V-SIZE60 (V17)
2A	BRIGHTNESS DOWN	V-SHIFT (V12), V-SHIFT60 (V18)
2E	TINT DOWN	H-SHIFT (V13), H-SHIFT60 (V19)
66	SURROUND UP	SCM-BR (V14)
67	SURROUND DOWN	SCM-BB (V15)
23	CONTRAST DOWN	SUB-VOL (V16)
32	PICTURE	S-TRAP-BG (V20)
33	HOLD	S-TRAP-I (V21)
34	TEXT	S-TRAP-DK (V22)
35	CANCEL	S-TRAP-M (V23)
37	SIZE	S-TRAP-574 (V24)
01	POS 1	R-C UP YUV (IN SERVICE MODE V25)
02	POS 2	G-C UP YUV (IN SERVICE MODE V25)
03	POS 3	B-C UP YUV (IN SERVICE MODE V25)
04	POS 4	R-C DOWN YUV (IN SERVICE MODE V25)
05	POS 5	G-C DOWN YUV (IN SERVICE MODE V25)
06	POS 6	B-C DOWN YUV (IN SERVICE MODE V25)

RC CODE (HEX)	R/C KEY NAME	SERVICE-ITEM
07	POS 7	R-D UP YUV (IN SERVICE MODE V25)
08	POS 8	B-D UP YUV (IN SERVICE MODE V25)
0A	POS 0	B-D DOWN YUV (IN SERVICE MODE V25)
09	FLASHBACK	R-D DOWN YUV (IN SERVICE MODE V25)
83		AUTO ADJ FOR V01, V02, V03, V20, V21, V22, V23, V24
53		T-SET
81		SERVICE MODE

1.) Please set the MCL according to the specific models.

MCL1 : 21K-FD5RU

MCL2 :

MCL3 :

MCL4 :

2.) After set the MCL, please set the INITIAL SETTING for each models.

INITIAL 1 : For China ( All Channel Sound System are set to D/K )

INITIAL 2 : For Hong Kong ( All Channel Sound System are set to I )

INITIAL 3 : For Singapore, Africa and Australia ( All Channel Sound System are set to B/G )

INITIAL 4 : For Middle-East ( All Channel Sound System are set to B/G )

INITIAL 5: For Russia (All Channel Sound System are set to D/K)

MCL1 (HEX AE)			MCL2 (HEX 95)			MCL3 (HEX 55)			MCL4 (HEX D5)		
CH-No	Fv (MHz)	Sound Sys	CH-No	Fv (MHz)	Sound Sys	CH-No	Fv (MHz)	Sound Sys	CH-No	Fv (MHz)	Sound Sys
0			0	590.25	B/G	0			0		
1	48.25	B/G	1	46.25	B/G	1	48.25	B/G	1	55.25	B/G
2	62.25	B/G	2	64.25	B/G	2	59.25	D/K	2	175.25	B/G
3	77.25	D/K	3	86.25	B/G	3	65.75	D/K	3	189.25	B/G
4	175.25	B/G	4	95.25	B/G	4	77.25	D/K	4	203.25	B/G
5	182.25	B/G	5	138.25	B/G	5	85.25	D/K	5	217.25	B/G
6	183.25	D/K	6	175.25	B/G	6	93.25	D/K	6	535.25	B/G
7	191.25	D/K	7	182.25	B/G	7	175.25	B/G	7		
8	196.25	B/G	8	189.25	B/G	8	184.25	D/K	8		
9	199.25	M	9	196.25	B/G	9	199.25	D/K	9		
10	210.25	B/G	10	209.25	B/G	10	210.25	B/G	10		
11	224.25	B/G	11	216.25	B/G	11	224.25	B/G	11	48.25	B/G
12	471.25	B/G	12			12	487.25	I	12	62.25	B/G
13	487.25	I	13			13	503.25	I	13	196.25	B/G
14	503.25	B/G	14			14	575.25	B/G	14	210.25	B/G
15	575.25	B/G	15			15	639.25	D/K	15	224.25	B/G
16	583.25	B/G	16			16	767.25	D/K	16	471.25	B/G
17	599.25	B/G	17			17	831.25	D/K	17	855.25	B/G
18	621.25	M	18			18	855.25	I	18		
19	639.25	D/K	19			19	97.25	M	19		
20	703.25	B/G	20			20	183.25	M	20		
21	735.25	I	21			21	193.25	M	21	223.95	B/G
22	767.25	B/G	22			22	211.25	M	22	224.55	B/G
23	815.25	B/G	23			23	217.25	M	23	223.85	B/G
24	855.25	I	24			24	477.25	M	24	224.65	B/G
25	855.25	B/G	25			25	693.25	M	25	223.75	B/G
26	55.25	M	26			26	62.25	B/G	26	224.75	B/G
27	83.25	M	27			27	503.25	B/G	27		
28	183.25	M	28	527.25	B/G	28	527.25	B/G	28		
29	193.25	M	29			29	599.25	B/G	29		
30	217.25	M	30			30	621.25	M	30		
31	471.25	M	31			31	815.25	B/G	31	91.25	M
32	477.25	M	32			32	112.25	B/G	32	103.25	M
33	693.25	M	33			33	168.25	B/G	33	171.25	M
34	885.25	M	34			34	91.25	M	34	183.25	M
35	112.25	B/G	35			35	294.25	B/G	35	193.25	M
36	168.25	B/G	36			36	463.25	B/G	36	205.25	M
37			37	590.25	B/G	37	174.95	B/G	37	217.25	M
38	294.25	B/G	38			38	174.55	B/G	38	621.25	M
39	463.25	B/G	39			39			39		
40			40			40			40		

MCL1 (HEX AE)			MCL2 (HEX 95)			MCL3 (HEX 55)			MCL4 (HEX D5)		
CH-No	Fv (MHz)	Sound Sys	CH-No	Fv (MHz)	Sound Sys	CH-No	Fv (MHz)	Sound Sys	CH-No	Fv (MHz)	Sound Sys
41	647.25	B/G	41	48.25	B/G	41			41		
42	663.25	B/G	42	62.25	B/G	42			42		
43	679.25	B/G	43	77.25	D/K	43			43		
44	174.95	B/G	44	175.25	B/G	44			44		
45	175.55	B/G	45	183.25	D/K	45			45		
46			46	191.25	D/K	46			46		
47			47	210.25	B/G	47			47		
48			48	224.25	B/G	48			48		
49			49	487.25	I	49			49		
50			50	503.25	B/G	50			50		
51			51	575.25	B/G	51			51		
52			52	599.25	B/G	52			52		
53			53	621.25	M	53			53		
54			54	639.25	D/K	54			54		
55			55	735.25	I	55			55		
56			56	767.25	B/G	56			56		
57			57	815.25	B/G	57			57		
58			58	855.25	I	58			58		
59			59	91.25	M	59			59		
60			60	183.25	M	60			60		
61			61	193.25	M	61			61		
62			62	217.25	M	62			62		
63			63	471.25	M	63			63		
64			64	693.25	M	64			64		
65			65	112.25	B/G	65			65		
66			66	168.25	B/G	66			66		
67			67	294.25	B/G	67			67		
68			68	463.25	B/G	68			68		
69			69	174.25	B/G	69			69		
70			70	175.25	B/G	70			70		

### 3. SHIPPING SETTING & CHECKING

(1) The following default data has been factory-set for the E2PROM follow by INITIAL DATA selected.

ITEMS	DATA SETTING
LAST POWER	ON
LAST TV/AV MODE	TV MODE
LAST POSITION	CH 1
FLASHBACK CHANNEL	CH 1
1/2 DIGIT ENTRY	2 DIGIT ENTRY
VOLUME	0 (Min)
BLUE BACK	OFF
OFF TIMER	--:--
ON TIMER	--:--
ON TIMER POSITION	--
ON TIMER VOLUME	--
REMINDER	--:--
AFT	ALL CH ON
COLOR SYSTEM	ALL CH AUTO
SKIP	ALL CH OFF
NICAM ON/OFF	ALL CH ON
NICAM STEREO MODE	ALL CH STEREO
NICAM BILINGUAL MODE	ALL CH MAIN
NICAM MONO MODE	ALL CH MONO
A2 ON/OFF	ALL CH ON
A2 STEREO MODE	ALL CH STEREO
A2 BILINGUAL MODE	ALL CH MAIN
CONTRAST	60
COLOR	0
BRIGHTNESS	0
TINT	0
SHARPNESS	0
WHITE TEMP	0
SURROUND	OFF
TREBLE	0
BASS	0
BALANCE	0 (CENTER)

INITIAL	LANGUAGE	SOUND SYSTEM
1 (HEX 14)	CHINESE	D/K
2 (HEX 15)	CHINESE	I
3 (HEX 17)	ENGLISH	B/G
4 (HEX 97)	ARABIC	B/G
5 (HEX 57)	RUSSIAN	D/K
6 (HEX D7)	MALAY	B/G
7 (HEX 37)	FRENCH	D/K

FACTORY SETTING BY MODEL  
(Reference: Geomagnetism Adjustment)

MODEL	MAGNETIC FIELD(V, H) nT		BACKGROUND	LANG.	S-SYS	LANG QTY
CHINA	30000	20000	12300K	CHINESE	D/K	5
HONG KONG	20000	40000	12300K	CHINESE	I	5
SINGAPORE	-10000	40000	12300K	ENGLISH	B/G	5
AFRICA	-10000	40000	12300K	ENGLISH	B/G	5
MID-EAST	30000	20000	18000K	ARABIC	B/G	6
RUSSIA	45000	20000	7500K	RUSSIAN	D/K	2
AUSTRALIA	-50000	20000	12300K	ENGLISH	B/G	5

\*NOTE FOR OSD TYPE:

2: ENGLISH/RUSSIA  
5: ENGLISH/CHINESE/FRENCH/ARABIC/MALAY  
6: ENGLISH/CHINESE/FRENCH/ARABIC/MALAY/RUSSIAN

\*\*AFTER INITIALIZED THE EEPROM (REFER TO FACTORY PRESETTING), READ DATA FROM EEPROM ADDRESS 00H ~ 03H, AND COMPARE TO THE LIST BELOW, IF DIFFERENT, INITIALIZE THE EEPROM.

ADDRESS	DATA	ADDRESS	DATA
00H:	7BH	02H:	78H
01H:	75H	03H:	74H

\*\*\* There are five stages of service mode data. First stage data from V00~V31 (Adjustment Mode).

To go into second stage of service mode data, press MENU key. Second stage data from F01~F298 (Setting Mode).

To go into third stage of service mode data, press MENU key. Third stage data is Pixel mode setting.

To go into fourth stage of service mode data, press MENU key. Fourth stage data is Check Mode.

To go into fifth stage of service mode data, press MENU key. Fifth stage data from O01~O29 (Option Mode).

ADJUSTMENT MODE (FIRST STAGE)					
EEPROM ITEMS	OSD	DATA LENGTH	INITIAL DATA	FIX/ADJ/AUTO	REMARK
R-DRIVE	V00	0...127	31	FIX	PLS REFER TO ADJ ITEM FOR SCREEN AND WHITE BALANCE
B-DRIVE	V00	0...127	31	FIX	
R-CUT	V00	0...511	95	FIX	
G-CUT	V00	0...511	95	FIX	
B-CUT	V00	0...511	95	FIX	
RF-AGC	V01	0...127	50	ADJ	
VIF-VCO	V02	0...127	63	ADJ	
H-VCO	V03	0...15	7	ADJ	
SUB-CONTRAST	V04	0...127	65	ADJ	
SUB-COLOR	V05	0...127	63	ADJ	
SUB-BRIGHT	V06	0...255	75	ADJ	
SUB-TINT	V07	0...127	63	ADJ	
SUB-SHARPNESS	V08	0...63	44	FIX	
SUB-COLOR -YUV	V09	0...127	55	*FIX	BUS SET UP
SUB-TINT-YUV	V10	0...127	63	*FIX	BUS SET UP
V-SIZE 50 Hz	V11	0...63	38	ADJ	
V-SHIFT 50 Hz	V12	0...15	7	ADJ	
H-SHIFT 50 Hz	V13	0...127	63	ADJ	
SECAM-BR	V14	0...255	127	ADJ	
SECAM-BB	V15	0...255	127	ADJ	
SUB-VOL	V16	0...60	60	FIX	
V-SIZE 60 Hz	V17	-31...0...+31	+ 3	FIX	IF NECESSARY, ADJ
V-SHIFT 60 Hz	V18	-7...0...+7	- 3	FIX	IF NECESSARY, ADJ
H-SHIFT 60 Hz	V19	-15...0...+15	- 4	*FIX	BUS SET UP
S-TRAP (BG)	V20	0...31	15	ADJ	
S-TRAP (I)	V21	0...31	15	ADJ	
S-TRAP (DK)	V22	0...31	15	ADJ	
S-TRAP (M)	V23	0...31	15	ADJ	
S-TRAP (5.74)	V24	0...31	15	ADJ	
CUTOFF/BKGD YUV	V25			FIX	
R-DRI YUV	V25	0...127	31	FIX	
B-DRI YUV	V25	0...127	31	FIX	
R-CUT YUV	V25	0...511	95	FIX	
G-CUT YUV	V25	0...511	95	FIX	
B-CUT YUV	V25	0...511	95	FIX	
SUB-CON YUV	V26	0...127	65	FIX	
SUB-BRGHT YUV	V27	0...255	75	FIX	
VS-CORRECT	V28	0...63	31	FIX	
VC-CORRECT OFFSET	V29	-13...+13	+ 2	FIX	
V LINEARITY	V30	0...63	31	*FIX	BUS SET UP
V LINEARITY OFFSET	V31	-13...+13	+ 2	FIX	

SETTING MODE (SECOND STAGE)							
EEPROM ITEMS	FUNCTION	OSD	IC	DATA LENGTH	INITIAL DATA	FIX/ADJ/AUTO	REMARK
SIF-PAL		F01	iDREAMA	0/1	0	FIX	
SBPF WIDE		F02	iDREAMA	0..3	0	FIX	
STRAP OFF		F03	iDREAMA	0/1	0	FIX	
OM-DET		F04	iDREAMA	0/1	0	FIX	
SIF M GAIN		F05	iDREAMA	0/1	0	FIX	
TV Audio ATT [S-OUT-LVL]		F06	iDREAMA	0..127	95	FIX	
VIF-G		F07	iDREAMA	0..7	4	FIX	
AMF ON		F08	iDREAMA	0/1	0	FIX	
AMF VTH		F09	iDREAMA	0/1	0	FIX	
2DYCS BPF		F10	iDREAMA	0..3	0	FIX	
YDL	Y SIGNAL DELAY	F11	iDREAMA	0..15	7	FIX	
YDL-P	Y SIGNAL DELAY PAL	F12	iDREAMA	0..15	3	FIX	
YDL-S	Y SIGNAL DELAY SECAM	F13	iDREAMA	0..15	7	FIX	
YDL-N4	Y SIGNAL DELAY N443	F14	iDREAMA	0..15	6	FIX	
YDL-N3	Y SIGNAL DELAY N358	F15	iDREAMA	0..15	4	*FIX	BUS SET UP
YDL-AV	Y SIGNAL DELAY AV	F16	iDREAMA	0..15	7	FIX	
YDL-AV-P	Y SIGNAL DELAY PAL (AV)	F17	iDREAMA	0..15	3	FIX	
YDL-AV-S	Y SIGNAL DELAY SECAM (AV)	F18	iDREAMA	0..15	5	FIX	
YDL-AV-N4	Y SIGNAL DELAY N443 (AV)	F19	iDREAMA	0..15	5	FIX	
YDL-AV-N3	Y SIGNAL DELAY N358 (AV)	F20	iDREAMA	0..15	5	*FIX	BUS SET UP
YDL-YUV	Y SIGNAL DELAY YUV	F21	iDREAMA	0..15	7	FIX	
AP FREQ		F22	iDREAMA	0..3	0	FIX	
CORH LH		F23	iDREAMA	0..15	8	FIX	
SHP OV-P		F24	iDREAMA	-31..0..+31	0	FIX	
SHP OV-S		F25	iDREAMA	-31..0..+31	-5	FIX	
SHP OV-N4		F26	iDREAMA	-31..0..+31	0	FIX	
SHP OV-N3		F27	iDREAMA	-31..0..+31	0	FIX	
SHP OV-AV		F28	iDREAMA	-31..0..+31	+5	FIX	
SHP OV-YUV		F29	iDREAMA	-31..0..+31	+5	FIX	
SHP PRE-P		F30	iDREAMA	-31..0..+31	-10	FIX	
SHP PRE-S		F31	iDREAMA	-31..0..+31	-15	FIX	
SHP PRE-N4		F32	iDREAMA	-31..0..+31	-10	FIX	
SHP PRE-N3		F33	iDREAMA	-31..0..+31	-10	FIX	
SHP PRE-AV		F34	iDREAMA	-31..0..+31	+5	FIX	
SHP PRE-YUV		F35	iDREAMA	-31..0..+31	-5	FIX	
SHP ANT-ONII OFFSET		F36	iDREAMA	-31..0..+31	0	*FIX	BUS SET UP
BS SW [BS]		F37	iDREAMA	0/1	1	FIX	
BS ST PNT		F38	iDREAMA	0..3	3	FIX	
BS D		F39	iDREAMA	0..7	0	FIX	
BS ATK T		F40	iDREAMA	0..15	7	FIX	
BS RCV T		F41	iDREAMA	0..15	7	FIX	
ACC AMP ON		F42	iDREAMA	0/1	0	FIX	
Take-Off-TV		F43	iDREAMA	0 (BPF)/ 1(TOF)	1	FIX	
Take-Off-AV		F44	iDREAMA	0 (BPF)/ 1(TOF)	0	FIX	
Take-Off-YUV		F45	iDREAMA	0 (BPF)/ 1(TOF)	0	FIX	
BGP SEL		F46	iDREAMA	0/1	0	FIX	
P/N BGP SHIFT		F47	iDREAMA	0..3	0	FIX	
SCM BGP SHIFT		F48	iDREAMA	0..3	0	*FIX	BUS SET UP
BGP WIDTH		F49	iDREAMA	0..31	22	FIX	
BGP FRT POS		F50	iDREAMA	0..31	14	FIX	
AUTO-SCM-KIL-TV		F51	iDREAMA	0..3	1	FIX	
AUTO-SCM-KIL-AV-YUV		F52	iDREAMA	0..3	1	FIX	
Forced-SCM-KIL-TV		F53	iDREAMA	0..3	2	FIX	
Forced-SCM-KIL-AV-YUV		F54	iDREAMA	0..3	2	FIX	
SCM FO COL		F55	iDREAMA	0/1	0	FIX	
PAL ID		F56	iDREAMA	0..127	15	FIX	
NTSC ID		F57	iDREAMA	0..127	15	*FIX	BUS SET UP

SETTING MODE (SECOND STAGE)							
EEPROM ITEMS	FUNCTION	OSD	IC	DATA LENGTH	INITIAL DATA	FIX/ADJ/AUTO	REMARK
ID ATK TIME		F58	iDREAMA	0..3	0	FIX	
ID RCV TIME		F59	iDREAMA	0..3	3	FIX	
KILLER LEVEL		F60	iDREAMA	0..127	28	*FIX	BUS SET UP
KILLER ATK TIME		F61	iDREAMA	0..3	2	*FIX	BUS SET UP
KILLER RCV TIME		F62	iDREAMA	0..3	1	FIX	
443 50 NT		F63	iDREAMA	0/1	0	FIX	
COL-AV		F64	iDREAMA	-31..0..+31	+20	*FIX	BUS SET UP
COL-P		F65	iDREAMA	-31..0..+31	0	FIX	
COL-S		F66	iDREAMA	-31..0..+31	-25	FIX	
COL-N4		F67	iDREAMA	-31..0..+31	-7	*FIX	BUS SET UP
COL-N3		F68	iDREAMA	-31..0..+31	-7	*FIX	BUS SET UP
COL-ADJ		F69	iDREAMA	-31..0..+31	+15	FIX	
TINT-AV		F70	iDREAMA	-63..0..+63	0	*FIX	BUS SET UP
TINT-ADJ		F71	iDREAMA	-63..0..+63	+12	*FIX	BUS SET UP
TINT-YUV-ADJ		F72	iDREAMA	-63..0..+63	0	FIX	
CTI		F73	iDREAMA	0/1	1	FIX	
R-Y PHASE OFFSET		F74	iDREAMA	0..63	21	*FIX	BUS SET UP
U OFFSET [Black <FmSdata>[amp ] White signal or YUV]		F75	iDREAMA	0..255	127	FIX	
V OFFSET [Black <FmSdata>[amp ] White signal or YUV]		F76	iDREAMA	0..255	127	FIX	
G-DRI		F77	iDREAMA	0..127	31	*FIX	BUS SET UP
G-Y GAIN		F78	iDREAMA	0..3	3	*FIX	BUS SET UP
GAMMA		F79	iDREAMA	0..3	2	*FIX	BUS SET UP
BLUE ST		F80	iDREAMA	0..3	1	FIX	
OSD BRT LIMIT		F81	iDREAMA	0..3	0	FIX	
OSD CONT LIMIT		F82	iDREAMA	0..3	2	FIX	
ABL TH		F83	iDREAMA	0..7	0	FIX	
ABL GAIN		F84	iDREAMA	0..7	0	FIX	
DC TRAN SEL		F85	iDREAMA	0/1	0	FIX	
DC TRAN GAIN		F86	iDREAMA	0..15	0	FIX	
DC TRAN TH		F87	iDREAMA	0..127	0	FIX	
AUTO SLICE LVL-TV		F88	iDREAMA	0..15	3	FIX	
AUTO SLICE LVL-AV		F89	iDREAMA	0..15	3	FIX	
AUTO SLICE LVL-YUV		F90	iDREAMA	0..15	3	FIX	
AS GAIN-TV		F91	iDREAMA	0..3	0	FIX	
AS GAIN-AV		F92	iDREAMA	0..3	0	FIX	
AS GAIN-YUV		F93	iDREAMA	0..3	0	FIX	
V SYNC DET-TV		F94	iDREAMA	0..7	0	*FIX	BUS SET UP
V SYNC DET-AV		F95	iDREAMA	0..7	0	FIX	
V SYNC DET-YUV		F96	iDREAMA	0..7	0	FIX	
S DET ON-TV		F97	iDREAMA	0/1	1	FIX	
S DET ON-AV		F98	iDREAMA	0/1	1	FIX	
S DET ON-YUV		F99	iDREAMA	0/1	1	FIX	
V STD DET-TV		F100	iDREAMA	0/1	0	FIX	
V STD DET-AV		F101	iDREAMA	0/1	0	FIX	
V STD DET-YUV		F102	iDREAMA	0/1	0	FIX	
C SYNC LPF		F103	iDREAMA	0..3	0	FIX	
V SYNC LPF1		F104	iDREAMA	0..3	0	FIX	
V SYNC LPF2		F105	iDREAMA	0..3	3	FIX	
AFC1 GAIN-TV		F106	iDREAMA	0..7	4	*FIX	BUS SET UP
AFC1 GAIN-AV		F107	iDREAMA	0..7	4	FIX	
AFC1 GAIN-YUV		F108	iDREAMA	0..7	4	FIX	
AFC2 GAIN UP-TV		F109	iDREAMA	0..3	0	FIX	
AFC2 GAIN UP-AV		F110	iDREAMA	0..3	0	FIX	
AFC2 GAIN UP-YUV		F111	iDREAMA	0..3	0	FIX	
V PULLIN WIDE		F112	iDREAMA	0/1	0	FIX	
H PULLIN UP		F113	iDREAMA	0/1	0	FIX	
DBL COIN		F114	iDREAMA	0/1	0	FIX	
V-FREE(NO SYNC)		F115	iDREAMA	1 (off)/ 1(free-run)	1	FIX	
V-FREE2(H-FREE)		F116	iDREAMA	1 (off)/ 1(free-run)	1	FIX	




SETTING MODE (SECOND STAGE)							
EEPROM ITEMS	FUNCTION	OSD	IC	DATA LENGTH	INITIAL DATA	FIX/ADJ/AUTO	REMARK
RDRV-R		F117	iDREAMA	-63..0..+63	+8	*FIX	BUS SET UP
BDRV-R		F118	iDREAMA	-63..0..+63	-10	*FIX	BUS SET UP
RDRV-B		F119	iDREAMA	-63..0..+63	-3	*FIX	BUS SET UP
BDRV-B		F120	iDREAMA	-63..0..+63	+13	*FIX	BUS SET UP
R-DRI YUV OFFSET		F121	iDREAMA	-63..0..+63	0	FIX	
VRAMP LPF ADJ		F122	iDREAMA	0..7	0	FIX	
B-DRI YUV OFFSET		F123	iDREAMA	-63..0..+63	0	FIX	
R-CUT YUV OFFSET		F124	iDREAMA	-63..0..+63	0	FIX	
G-CUT YUV OFFSET		F125	iDREAMA	-63..0..+63	+ 17	*FIX	BUS SET UP
B-CUT YUV OFFSET		F126	iDREAMA	-63..0..+63	+ 5	*FIX	BUS SET UP
CON YUV OFFSET		F127	iDREAMA	-63..0..+63	+ 1	FIX	
BRT YUV OFFSET		F128	iDREAMA	-63..0..+63	- 5	FIX	
Contrast OFFSET		F129	iDREAMA	-63..0..+63	0	FIX	
Bright OFFSET		F130	iDREAMA	-63..0..+63	0	*FIX	BUS SET UP
AV2 Brightness OFFSET		F131	iDREAMA	-15..0..+15	0	FIX	
V-Demute-Delay		F132	iDREAMA	0..255	0	FIX	
S-Demute-Delay		F133	iDREAMA	0..255	0	FIX	
Pow-Storage		F134	iDREAMA	0 (disable)/ 1(enable)	1	FIX	
OSD-POS		F135	iDREAMA	00127	0	FIX	
CP		F136	iDREAMA	0/1	1	FIX	
SMALL-SURR		F137	iDREAMA	0/1	0	FIX	
SUB-BASS	SUB BASS CONTROL	F138	iDREAMA	0(0dB), 1(-1dB), 2(-2dB), 3(-3dB), 4(0dB), 5(+1dB), 6(+2dB), 7(+3dB)	6	*FIX	BUS SET UP
SUB-TREB	SUB TREBLE CONTROL	F139	iDREAMA	0(0dB), 1(-1dB), 2(-2dB), 3(-3dB), 4(0dB), 5(+1dB), 6(+2dB), 7(+3dB)	3	*FIX	BUS SET UP
AGC-ADJ	AGC LEVEL ADJUST	F140	iDREAMA	0(AGC Off), 1(300mVrms), 2(400mVrms), 3(500Vrms), 4(600mVrms)	3	*FIX	BUS SET UP
AGC-Sw-Off	NICAM AGC SWITCH OFF	F141	iDREAMA	0(Disable, fix gain), 1(Enable AGC)	1	FIX	
AGC-Gain-Adjust		F142	iDREAMA	0...31	16	FIX	
FM-Level-Adjust		F143	iDREAMA	-15..0..+15 (please refer to Appendix A)	0	FIX	
IGR-Level-Adjust		F144	iDREAMA	-15..0..+15 (please refer to Appendix A)	+1	FIX	
NICAM-BG-Level-Adjust		F145	iDREAMA	-15..0..+15 (please refer to Appendix A)	-2	FIX	
NICAM-I-Level-Adjust		F146	iDREAMA	-15..0..+15 (please refer to Appendix A)	+3	FIX	
NICAM-DK-Level-Adjust		F147	iDREAMA	-15..0..+15 (please refer to Appendix A)	-1	FIX	
NICAM-Lower-Error-Limit		F148	iDREAMA	0..55	35	FIX	
NICAM-Upper-Error-Limit		F149	iDREAMA	0..255	70	FIX	
IGR-Gain-Adjust		F150	iDREAMA	-6..0..+7 (please refer to Appendix B)	0	FIX	
A2-ID-Response		F151	iDREAMA	0 (normal)/ 1(fast)	1	FIX	
FM-ID-Speed		F152	iDREAMA	0..3	1	FIX	
NICAM-Auto-Mute		F153	iDREAMA	0/1	0	FIX	
MER	S-BOOSTER FREQ. CHARACTERISTIC CON- TROL	F154	iDREAMA	0..255	70	FIX	
MEL1	S-BOOSTER LEVEL1	F155	iDREAMA	0..255	150	FIX	
MEL2	S-BOOSTER LEVEL2	F156	iDREAMA	0..255	156	FIX	
MEL3	S-BOOSTER LEVEL3	F157	iDREAMA	0..255	163	FIX	
MEL4	S-BOOSTER LEVEL4	F158	iDREAMA	0..255	165	FIX	
MEL5	S-BOOSTER LEVEL5	F159	iDREAMA	0..255	170	FIX	
MEL6	S-BOOSTER LEVEL6	F160	iDREAMA	0..255	180	FIX	

SETTING MODE (SECOND STAGE)							
EEPROM ITEMS	FUNCTION	OSD	IC	DATA LENGTH	INITIAL DATA	FIX/ADJ/AUTO	REMARK
S-St-Point	S-BOOSTER START POINT	F161	iDREAMA	0..60	21	FIX	
S-Sp-Point	S-BOOSTER STOP POINT	F162	iDREAMA	0..60	60	FIX	
S-Step	S-BOOSTER STEP	F163	iDREAMA	0..60	7	FIX	
S-B-BASS	S-BOOSTER BASS LIMITER (WHEN S-BOOSTER ON)	F164	iDREAMA	-30..0..+30	+15	FIX	
S-B-TREB	S-BOOSTER TREBLE LIMITER (WHEN S-BOOSTER ON)	F165	iDREAMA	-30..0..+30	+15	FIX	
S-BASS	S-BOOSTER BASS LIMITER (WHEN S-BOOSTER OFF)	F166	iDREAMA	-30..0..+30	+30	FIX	
S-TREB	S-BOOSTER TREBLE LIMITER (WHEN S-BOOSTER OFF)	F167	iDREAMA	-30..0..+30	+30	FIX	
COREL YNR1		F168	iDREAMA	0..15	5	*FIX	BUS SET UP
COREL YNR2		F169	iDREAMA	0..15	12	FIX	
COREL YNR3		F170	iDREAMA	0..15	15	FIX	
H COEF1 TV		F171	iDREAMA	0..7	3	FIX	
H COEF2 TV		F172	iDREAMA	0..7	2	FIX	
H COEF3 TV		F173	iDREAMA	0..7	1	FIX	
SF COEF1 TV		F174	iDREAMA	0..7	6	*FIX	BUS SET UP
SF COEF2 TV		F175	iDREAMA	0..7	4	*FIX	BUS SET UP
SF COEF3 TV		F176	iDREAMA	0..7	3	*FIX	BUS SET UP
SG COEF1 TV		F177	iDREAMA	0..7	1	FIX	
SG COEF2 TV		F178	iDREAMA	0..7	3	FIX	
SG COEF3 TV		F179	iDREAMA	0..7	4	FIX	
VC COEF1 TV		F180	iDREAMA	0..7	2	*FIX	BUS SET UP
VC COEF2 TV		F181	iDREAMA	0..7	2	*FIX	BUS SET UP
VC COEF3 TV		F182	iDREAMA	0..7	2	*FIX	BUS SET UP
VD COEF1 TV		F183	iDREAMA	0..7	5	*FIX	BUS SET UP
VD COEF2 TV		F184	iDREAMA	0..7	5	*FIX	BUS SET UP
VD COEF3 TV		F185	iDREAMA	0..7	5	*FIX	BUS SET UP
H COEF1 AV		F186	iDREAMA	0..7	6	FIX	
H COEF2 AV		F187	iDREAMA	0..7	4	FIX	
H COEF3 AV		F188	iDREAMA	0..7	2	FIX	
SF COEF1 AV		F189	iDREAMA	0..7	6	FIX	
SF COEF2 AV		F190	iDREAMA	0..7	4	FIX	
SF COEF3 AV		F191	iDREAMA	0..7	3	FIX	
SG COEF1 AV		F192	iDREAMA	0..7	1	FIX	
SG COEF2 AV		F193	iDREAMA	0..7	3	FIX	
SG COEF3 AV		F194	iDREAMA	0..7	4	FIX	
VC COEF1 AV		F195	iDREAMA	0..7	3	FIX	
VC COEF2 AV		F196	iDREAMA	0..7	3	FIX	
VC COEF3 AV		F197	iDREAMA	0..7	3	FIX	
VD COEF1 AV		F198	iDREAMA	0..7	4	FIX	
VD COEF2 AV		F199	iDREAMA	0..7	4	FIX	
VD COEF3 AV		F200	iDREAMA	0..7	4	FIX	
H COEF1 YUV		F201	iDREAMA	0..7	6	FIX	
H COEF2 YUV		F202	iDREAMA	0..7	4	FIX	
H COEF3 YUV		F203	iDREAMA	0..7	2	FIX	
SF COEF1 YUV		F204	iDREAMA	0..7	6	*FIX	BUS SET UP
SF COEF2 YUV		F205	iDREAMA	0..7	4	*FIX	BUS SET UP
SF COEF3 YUV		F206	iDREAMA	0..7	3	*FIX	BUS SET UP
SG COEF1 YUV		F207	iDREAMA	0..7	1	FIX	
SG COEF2 YUV		F208	iDREAMA	0..7	3	FIX	
SG COEF3 YUV		F209	iDREAMA	0..7	4	FIX	
VC COEF1 YUV		F210	iDREAMA	0..7	3	*FIX	BUS SET UP
VC COEF2 YUV		F211	iDREAMA	0..7	4	*FIX	BUS SET UP
VC COEF3 YUV		F212	iDREAMA	0..7	3	*FIX	BUS SET UP
VD COEF1 YUV		F213	iDREAMA	0..7	4	FIX	

SETTING MODE (SECOND STAGE)							
EEPROM ITEMS	FUNCTION	OSD	IC	DATA LENGTH	INITIAL DATA	FIX/ADJ/AUTO	REMARK
VD COEF2 YUV		F214	iDREAMA	0..7	3	*FIX	BUS SET UP
VD COEF3 YUV		F215	iDREAMA	0..7	4	FIX	
NOISE BPF SEL		F216	iDREAMA	0..3	1	FIX	
NOISE DET SENSE		F217	iDREAMA	0..3	0	FIX	
NOISE DET LINE		F218	iDREAMA	0..3	0	FIX	
SIG BPF SEL		F219	iDREAMA	0..3	0	FIX	
SIG DET SENSE		F220	iDREAMA	0..3	0	FIX	
CONT SOFT		F221	iDREAMA	0..60	30	*FIX	BUS SET UP
CONT STD		F222	iDREAMA	0..60	50	FIX	
CONT DYM		F223	iDREAMA	0..60	60	FIX	
BRIGHT SOFT		F224	iDREAMA	-30..0..+30	0	FIX	
BRIGHT STD		F225	iDREAMA	-30..0..+30	0	FIX	
BRIGHT DYM		F226	iDREAMA	-30..0..+30	0	FIX	
COL SOFT		F227	iDREAMA	-30..0..+30	0	FIX	
COL STD		F228	iDREAMA	-30..0..+30	0	FIX	
COL DYM		F229	iDREAMA	-30..0..+30	+10	*FIX	BUS SET UP
SHARP SOFT		F230	iDREAMA	-30..0..+30	-10	FIX	
SHARP STD		F231	iDREAMA	-30..0..+30	0	FIX	
SHARP DYM		F232	iDREAMA	-30..0..+30	+5	FIX	
SURR SOFT		F233	iDREAMA	0(OFF) / 1(ONI) / 2(ONII)	0	FIX	
SURR STD		F234	iDREAMA	0(OFF) / 1(ONI) / 2(ONII)	0	FIX	
SURR DYM		F235	iDREAMA	0(OFF) / 1(ONI) / 2(ONII)	0	FIX	
TREBLE SOFT		F236	iDREAMA	-30..0..+30	-10	FIX	
TREBLE STD		F237	iDREAMA	-30..0..+30	0	FIX	
TREBLE DYM		F238	iDREAMA	-30..0..+30	+5	FIX	
BASS SOFT		F239	iDREAMA	-30..0..+30	-5	FIX	
BASS STD		F240	iDREAMA	-30..0..+30	0	FIX	
BASS DYM		F241	iDREAMA	-30..0..+30	+10	*FIX	BUS SET UP
S-BOOST SOFT		F242	iDREAMA	0(OFF) / 1(ON)	0	FIX	
S-BOOST STD		F243	iDREAMA	0(OFF) / 1(ON)	1	FIX	
S-BOOST DYM		F244	iDREAMA	0(OFF) / 1(ON)	1	FIX	
AC-Fail-WO-Bright		F245	iDREAMA	0..255	255	FIX	
WO-Bright-after-WO-TIME		F246	iDREAMA	0..255	255	FIX	
WO-Contrast-after-WO-TIME		F247	iDREAMA	0..127	127	FIX	
WO-Bright-before-WO-TIME		F248	iDREAMA	0..255	255	FIX	
WO-Contrast-before-WO-TIME		F249	iDREAMA	0..127	127	FIX	
WO-TIME		F250	iDREAMA	0..31	0	FIX	
BASS OFFSET		F251	iDREAMA	-30..0..+30	0	FIX	
TREBLE OFFSET		F252	iDREAMA	-30..0..+30	0	FIX	
PM500		F253	iDREAMA	0 (250) / 1 (500)	0	FIX	
OSDCLK_NCEN		F254	iDREAMA	0 (OFF) / 1 (ON)	0	FIX	
PXG_HDDL		F255	iDREAMA	0..15	0	*FIX	BUS SET UP
FPB_FIX		F256	iDREAMA	0 (OFF) / 1 (ON)	0	FIX	
FH_JUDGE		F257	iDREAMA	0..3	0	FIX	
RC_DLY_SEL		F258	iDREAMA	0..3	0	FIX	
RC_RESET_SEL		F259	iDREAMA	0..3	0	FIX	
RC_REST0		F260	iDREAMA	0/1	0	FIX	
LBVLATCH		F261	iDREAMA	0/1	1	FIX	
S BPF WIDE (574 MHZ)		F262	iDREAMA	0..3	0	FIX	
U OFFSET-PAL		F263	iDREAMA	0..255	127	*FIX	BUS SET UP
V OFFSET-PAL		F264	iDREAMA	0..255	127	*FIX	BUS SET UP
U OFFSET-N358		F265	iDREAMA	0..255	127	*FIX	BUS SET UP
V OFFSET-N358		F266	iDREAMA	0..255	127	*FIX	BUS SET UP
U OFFSET-N443		F267	iDREAMA	0..255	127	*FIX	BUS SET UP
V OFFSET-N443		F268	iDREAMA	0..255	127	FIX	
U OFFSET-SECAM		F269	iDREAMA	0..255	127	*FIX	BUS SET UP
V OFFSET-SECAM		F270	iDREAMA	0..255	127	*FIX	BUS SET UP
YCDTVTH		F271	iDREAMA	0/1	1	FIX	
AS SPEED UP		F272	iDREAMA	0/1	1	FIX	
SECAM FSC FREE		F273	iDREAMA	0/1	1	FIX	

SETTING MODE (SECOND STAGE)							
EEPROM ITEMS	FUNCTION	OSD	IC	DATA LENGTH	INITIAL DATA	FIX/ADJ/AUTO	REMARK
AFC1 GAIN-NOSYNC		F274	iDREAMA	00..07	0	FIX	
RF-AGC WAIT TIME		F275	iDREAMA	00..127	0	FIX	
PAL/SECAM TINT		F276	iDREAMA	00..127	63	*FIX	BUS SET UP
TELETEXT LEVEL		F277	iDREAMA	0..255	8	*FIX	BUS SET UP
CLK LINE AUTO ADJ		F278	iDREAMA	0..255	1	FIX	
CLK LINE KILLER LEVEL		F279	iDREAMA	0..255	0	FIX	
CSYNC SLICE LEVEL		F280	iDREAMA	0..255	112	FIX	
AFC COMPRESSION LIMIT		F281	iDREAMA	0..255	19	FIX	
F SPECIAL ADJ		F282	iDREAMA	0..255	164	FIX	
AD OFFSET (EPG)		F283	iDREAMA	0..255	212	FIX	
AD GAIN (EPG)		F284	iDREAMA	0..255	193	FIX	
CLK GATE, LOW POWER RESET, CLK LINE LIMIT, VPS COMPARE MASK, WSS COMPARE MASK		F285	iDREAMA	0..127	59	FIX	
REG. SETTING VALUE		F286	iDREAMA	0..255	132	FIX	
REG. SETTING VALUE		F287	iDREAMA	0..255	132	FIX	
FRAMING GATE START POS		F288	iDREAMA	0..255	116	FIX	
FRAMING GATE END POS		F289	iDREAMA	0..255	170	FIX	
CLK GATE START POS		F290	iDREAMA	0..255	108	FIX	
CLK GATE END POS		F291	iDREAMA	0..255	128	FIX	
AD OFFSET (TELETEXT)		F292	iDREAMA	0..255	207	FIX	
AD GAIN (TELETEXT)		F293	iDREAMA	0..255	140	FIX	
CCD (N) DATA REG. 1		F294	iDREAMA	0..255	148	FIX	
VPS DATA REG. 1		F295	iDREAMA	0..255	3	FIX	
OSD_HS		F296	iDREAMA	0..1	0	*FIX	BUS SET UP
TEXT_MD		F297	iDREAMA	0..1	0	FIX	
V-BLK TOP SHIFT		F298	iDREAMA	0..15	3	FIX	

OPTION MODE (FIFTH STAGE)				
EEPROM ITEMS	OSD	DATA LENGTH	INITIAL DATA	REMARK
HTL	O01	0/1	0	OPTION SET UP
HTL-POS	O02	0...99,--	--	OPTION SET UP
HTL-VOL	O03	0...60,--	--	OPTION SET UP
SECAM	O04	0/1	1	OPTION SET UP
N443(RF)	O05	0/1	1	OPTION SET UP
N358(RF)	O06	0/1	1	OPTION SET UP
Force-Col	O07	0/1	0	OPTION SET UP
S-SYS	O08	1...15	15	OPTION SET UP
AV	O09	0/1	1	OPTION SET UP
AV2	O10	0/1	1	OPTION SET UP
YUV	O11	0/1	1	OPTION SET UP
S-CTRL	O12	0/1	1	OPTION SET UP
NICAM	O13	0/1	0	OPTION SET UP
A2	O14	0/1	0	OPTION SET UP
TEXT	O15	0/1	0	OPTION SET UP
BIL	O16	0/1	0	OPTION SET UP
LANG	O17	1...65	63	OPTION SET UP
SERCH-SP	O18	1...5	3	OPTION SET UP
LED-CONT	O19	0/1	0	OPTION SET UP
S-BOOSTER	O20	0/1	0	OPTION SET UP
SHARP-LOGO	O21	0/1	0	OPTION SET UP
YUV BKGD ADJ	O22	0/1	0	OPTION SET UP
WHITE BACK	O23	0/1	0	OPTION SET UP
 BOOSTER	O24	0/1	1	OPTION SET UP
MESSAGE	O25	0/1	0	OPTION SET UP
LNA TUNER	O26	0...2	0	OPTION SET UP
GAME	O27	0/1	0	OPTION SET UP
CHILD LOCK	O28	0/1	1	OPTION SET UP
Idreama IC	O29	0/1	0	OPTION SET UP

Setting below only applicable to Thai Model				
LANG	O17	1...65	65	OPTION SET UP

Remark for O08 (S-SYS)

When O08=1 (B/G only), SOUND item in CH-SETTING OSD MENU will not be appeared, and there is no showing of sound system B/G in AUTO PRESET and MANUAL PRESET OSD Menu

*** HOTEL MODE
OPERATION OF HOTEL MODE:
WHEN CHANGE SERVICE DATA O01 TO 1, HOTEL MODE IS ON
WHEN HOTEL MODE IS ON,
1. Max volume data is determined by option setting HTL-VOL (O03)
2. Channel position after POWER ON is determined by option setting HOTEL-POS (O02) (if option setting HOTEL-POS is not set, processing is according to last position data).
3. User data updates of EEPROM regarding the video and audio control is not allowed.
4. Preset mode is disable.
5. CH SETTING menu is not available.

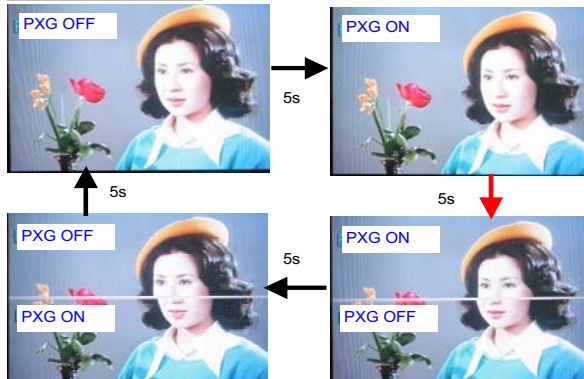
## Pixel Generator (PXG-2)

### PXG-2 DEMO MODE

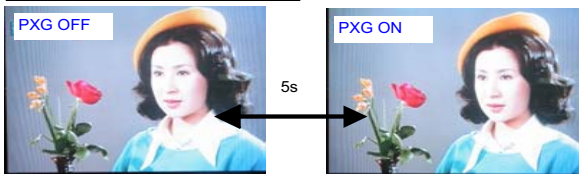
#### Concept

- ★ SHARP 21K-FD series TV that adopt high features is a step up model that first implement Pixel Generator (PXG-2) technology. SHARP has made a step ahead by producing high resolution picture in 21K-FD series and this make 21K-FD series model stands out among SHARP and other competitors 21" flat TV. With this attractive PXG-2 feature, it is believe that it will helps to increase SHARP 21" flat TV market share .
- ★ PXG-2 DEMO mode is integrated into 21K-FD series to let customer to understand PXG-2 more easily and the differences within PXG OFF and ON will give customer more clear image about PXG-2. PXG-2 DEMO mode will also ease the sales person in explaining PXG-2 as the selling point to the customer.

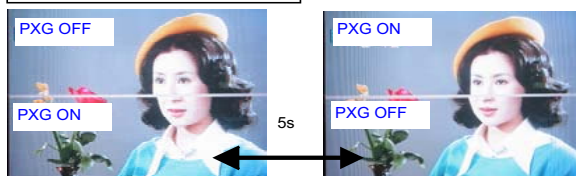
#### a) AUTO DEMO



#### b) FULL SCREEN DEMO



#### c) HALF SCREEN DEMO



#### Procedur

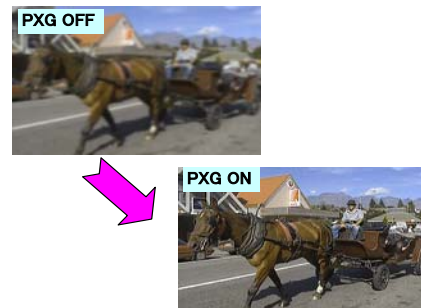
- 1) To enter PXG DEMO mode, press **CH** / **CH** (on TV set) at the same time for more than 3 seconds during TV broadcast or AV input program.
- 2) Once enter to PXG DEMO mode, the AUTO DEMO mode will run automatically in 4 type of display screen (each at 5 seconds interval time).
- 3) At any DEMO mode, Press **2** → FULL SCREEN DEMO  
**3** → HALF SCREEN DEMO  
**1** → AUTO DEMO
- 4) From any mode, press **MENU/RESET** (on TV set) or **MENU** (on remote control) to change to the respectively PAUSE mode. To release it, press **MENU/RESET** or **MENU** again.
- 5) During PAUSE mode, press **Left Arrow** or **Right Arrow** to change to other display screen.
- 6) During any mode or PAUSE mode, press **CH** / **CH** (on TV set) at the same time for more than 3 seconds to cancel the PXG DEMO mode.

#### PXG-2 Technology

- ★ Generate imaginary data from 3 line real input signal data.
- 
- ★ Double digital sampling increase the vertical pixel resolution.
- 
- Input signal pixels/resolution      Output signal pixels/resolution

#### PXG-2 Output Effect


- ★ With PXG-2 technology, it helps to improve picture resolution thus increase picture sharpness and achieve a truly lifelike TV image.



**4. ADJ ITEM: BUS SET UP (1ST & 2ND STAGE SERVICE DATA)**

SERVICE ITEMS		21K-FD5RU
V09	SUB-COLOR -YUV	70
V10	SUB-TINT-YUV	55
V19	H-SHIFT 60 Hz	-5
V30	V LINEARITY	33
F15	YDL-N3	5
F20	YDL-AV-N3	9
F36	SHP ANT-ONII OFFSET	-15
F48	SCM BGP SHIFT	1
F57	NTSC ID	33
F60	KILLER LEVEL	20
F61	KILLER ATK TIME	1
F64	COL-AV	+10
F67	COL-N4	+3
F68	COL-N3	+3
F70	TINT-AV	-3
F71	TINT-ADJ	+14
F74	R-Y PHASE OFFSET	21
F77	G-DRI	63
F78	G-Y GAIN	3
F79	GAMMA	3
F94	V SYNC DET-TV	3
F106	AFC1 GAIN-TV	0
F117	RDRV-R	+8
F118	BDRV-R	-10
F119	RDRV-B	-6
F120	BDRV-B	+30
F125	G-CUT YUV OFFSET	-3
F126	B-CUT YUV OFFSET	0
F130	Bright OFFSET	0
F138	SUB-BASS	0
F139	SUB-TREB	3
F140	AGC LEVEL ADJUST	4
F168	COREL YNR1	5
F174	SF COEF1 TV	7
F175	SF COEF2 TV	5
F176	SF COEF3 TV	4
F180	VC COEF1 TV	1
F181	VC COEF2 TV	1
F182	VC COEF3 TV	1
F183	VD COEF1 TV	7
F184	VD COEF2 TV	7
F185	VD COEF3 TV	7
F204	SF COEF1 YUV	7
F205	SF COEF2 YUV	5
F206	SF COEF3 YUV	4
F210	VC COEF1 YUV	2
F211	VC COEF2 YUV	2
F212	VC COEF3 YUV	2
F214	VD COEF2 YUV	4
F221	CONT SOFT	40
F229	COL DYM	+5
F241	BASS DYM	+5
F255	PXG_HDDL	+10
F263	U OFFSET-PAL	130
F264	V OFFSET-PAL	130
F265	U OFFSET-N358	133
F266	V OFFSET-N358	131
F267	U OFFSET-N443	131
F269	U OFFSET-SECAM	129
F270	V OFFSET-SECAM	129
F276	PAL/SECAM TINT	73
F277	TELETEXT LEVEL	11
F296	OSD_HS	1

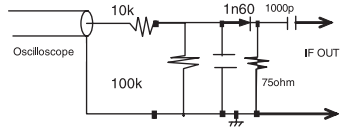
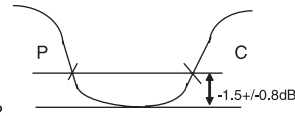
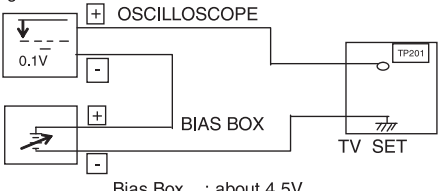
**5. ADJ ITEM: OPTION SET UP (5TH STAGE SERVICE DATA)**

SERVICE ITEMS		21K-FD5RU					
O01	HTL	0					
O02	HTL-POS	--					
O03	HTL-VOL	--					
O04	SECAM	1					
O05	N443(RF)	1					
O06	N358(RF)	1					
O07	Force-Col	0					
O08	S-SYS	15					
O09	AV	1					
O10	AV2	1					
O11	YUV	1					
O12	S-CTRL	1					
O13	NICAM	1					
O14	A2	1					
O15	TEXT	1					
O16	BIL	0					
O17	LANG	9					
O18	SERCH-SP	3					
O19	LED-CONT	0					
O20	S-BOOSTER	0					
O21	SHARP-LOGO	0					
O22	YUV BKGD ADJ	0					
O23	WHITE BACK	0					
O24	 BOOSTER	1					
O25	MESSAGE	0					
O26	LNA TUNER	0					
O27	GAME	0					
O28	CHILD LOCK	1					
O29	Idreama IC	0					

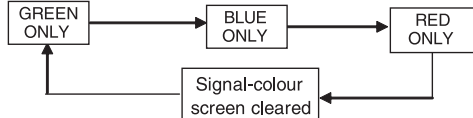
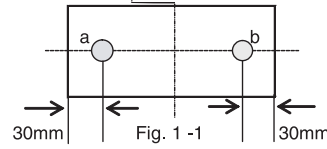
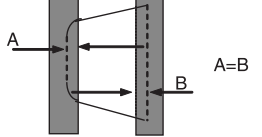
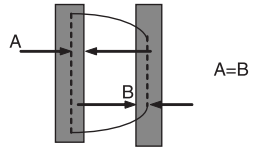


## [2] ADJUSTMENT

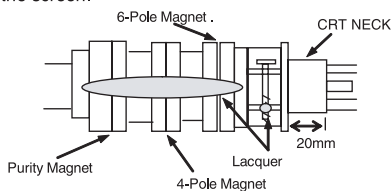
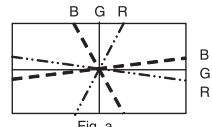
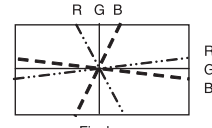
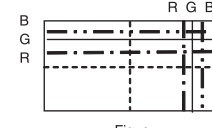
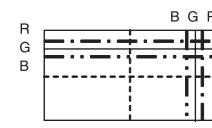
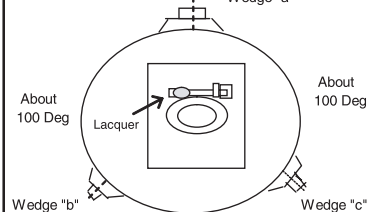
### 1. PIF ADJUSTMENT CHECKING

NO	ADJUSTMENT POINT	ADJUSTMENT CONDITION / PROCEDURE	WAVEFORM OR OTHERS
1	Tuner IFT ( PRESET )	<p>(1) Get the tuner ready to receive the CH. E - 9 signal, but with no signal input. Adjust the PLL data.</p> <p>(2) Connect the sweep generator's output cable to the tuner antenna. ( RF SWEEP )</p> <p>(3) Adjust the sweep generator's to 80dB<math>\mu</math>V.</p> <p>(4) Connect the response lead ( use LOW IMPEDANCE probe with wave detector ; see Fig.1 ) to the tuner's IF output terminal. ( This terminal must have the probe alone connected ).</p> <p>(5) Set the RF AGC to 0 - 6 V with no saturation with the waveform.</p> <p>(6) Adjust the tuner IF coil to obtain the waveform as shown in Fig. 2.</p> <p>Note : Be sure to keep the tuner cover in position during this adjustment.</p>	 <p>FIG. 1</p> <p>E-9 CH</p>  <p>FIG. 2</p>
2	RF-AGC TAKE OVER POINT ADJUSTMENT (I2C BUS CONTROL)  (AUTO & MANUAL ADJ)	<p>(1) Receive "PAL COLOR BAR" signal. Signal Strength: 67 <math>\pm</math> 1dB<math>\mu</math>V (75 ohm open)</p> <p>(2) Connect the oscilloscope to TP201 (Tuner's AGC Terminal) as shown in figure 3-1.</p>  <p>Bias Box : about 4.5V Fig. 3-1</p> <p>(3) Call "V01" mode in service mode. Adjust the "V01" bus data to obtain the Tuner output pin drop 0.1~1.0V below maximum voltage.</p> <p>(4) Change the antenna input signal to 73 ~ 77dB<math>\mu</math>V, and make sure there is no noise.</p> <p>(5) Turn up the input signal to 90 ~ 95 dB<math>\mu</math>V to be sure that there is no cross modulation beat.</p>	<p><b>* for Auto ADJ</b></p> <p>1) Receive "PAL COLOR BAR" signal signal strength : 67 <math>\pm</math> 1 dB<math>\mu</math>V (75 ohm open).</p> <p>1) Go to service mode.</p> <p>2) Go to service data V01, press R/C to operate auto key (Hex C1) and confirm the 'OK' display on the screen.</p> <p>3) If appear NG, increase data some step and pls repeat step 2.</p> <p>4) Proceed step 4 &amp; 5 in manual mode.</p>

### 2. PURITY ADJUSTMENT

NO	ADJUSTMENT POINT	ADJUSTMENT CONDITION / PROCEDURE	WAVEFORM OR OTHERS
1	PURITY ADJ.	<p>(1) Receive the GREEN -ONLY signal. Adjust the beam current to ~700<math>\mu</math>A.</p> <p>(2) Degauss the CRT enough with the degaussing coil. NOTE: Follow the Job Instruction Sheet to adjust the magnetic field. (Reference: Page 3-6)</p> <p>(3) Maintain the purity magnet at the zero magnetic field and keep the static convergence roughly adjusted.</p> <p>(4) Observe the points a,b, as shown in Fig.1 - 1 through the microscope. Adjust the landings to A rank requirement.</p> <p>(5) Orient the raster rotation to 0 eastward.</p> <p>(6) Tighten up the deflection coil screws. Tightening torque : 108N <math>\pm</math> 20N ( 11Kg<math>\pm</math> 2Kg<math>\pm</math> )</p> <p>(7) Make sure the CRT corners landing meet the A rank requirements. If not, stick the magnet sheet to correct it.</p> <p>Note : This adjustment must be done after warming up the unit for 30 minutes or longer with a beam current over 700<math>\mu</math>A.</p> <p>Note : Set to service mode by remote controller then press factory process R/C RGB key to change to RGB mono colour mode.</p> <p>* For the following colours press R/C RGB (Hex 7E) key to change.</p> 	 <p>Fig. 1 - 1</p>  <p>Fig 1 - 2 . Rank A (On the right of CRT)</p>  <p>Fig. 1 - 3 . Rank A (On the left of CRT).</p> <p>* Press R/C RGB key for 1 second in NORMAL MODE, the colour will change to RGB mono colour mode.</p>

### 3. CONVERGENCE ADJUSTMENT

NO	ADJUSTMENT POINT	ADJUSTMENT CONDITION / PROCEDURE	WAVEFORM OR OTHERS
1	CONVERGENCE ADJ. (To be done after the purity adjustment.)	<p>(1) Receive the "Crosshatch Pattern" signal.</p> <p>(2) Using the remote controller, call NORMAL mode.</p> <p>( Static convergence )</p> <p>(1) Turn the 4 - pole magnet to a proper opening angle in order to superpose the blue and red colours.</p> <p>(2) Turn the 6 - pole magnet to a proper opening angle in order to superpose the green colour over the blue and red colours.</p> <p>( Dynamic convergence )</p> <p>(1) Adjust the convergence on the fringes of the screen in the following steps.</p> <p>a) Fig. - a : Drive the wedge at point " a " and swing the deflection coil upward.</p> <p>b) Fig. - b : Drive the wedge at point " b " and " c " and swing the deflection coil downward.</p> <p>c) Fig. - c : Drive the " c " wedge deeper and swing the deflection coil rightward.</p> <p>d) Fig. - d : Drive the " b " wedge deeper and swing the deflection coil leftward.</p> <p>(2) Fix all the wedges on the CRT and apply glass tape over them.</p> <p>(3) Apply lacquer to the deflection yoke lock screw, magnet unit ( purity, 4 - pole, 6 - pole magnets ) and magnet unit lock screw.</p> <p>Finally received the Red - only and Blue - only signals to make sure there is no other colours on the screen.</p> 	 <p>Fig. a</p>  <p>Fig. b</p>  <p>Fig. c</p>  <p>Fig. d</p>  <p>Wedge "a"</p> <p>Wedge "b"</p> <p>Wedge "c"</p> <p>About 100 Deg</p> <p>Lacquer</p>

### 4. H-VCO, VIF-VCO & S-TRAP for ADJUSTMENT

NO	ADJUSTMENT POINT	ADJUSTMENT CONDITION / PROCEDURE	WAVEFORM OR OTHERS
1	H-VCO ADJ (I2C BUS CONTROL) (AUTO & MANUAL ADJ)	<p><b>(Manual Adj)</b></p> <p>(1) In No signal (RASTER) condition.</p> <p>(2) Go to service mode, choose service data <b>V03</b>.</p> <p>(3) Connect oscilloscope to <b>IC801 pin15</b>, adj <b>V03</b> until freq become <b>15.625 ± 0.15 KHz</b>.</p> <p><b>(Auto Adj)</b></p> <p>(1) In No signal (RASTER) condition.</p> <p>(2) Go to service mode.</p> <p>(3) Choose service data <b>V03</b>, by pressing R/C <b>Auto (Hex C1)</b> key, OSD will appear "OK" at screen.</p> <p>(4) If appear "NG" pls repeat step 3.</p>	
2	VIF-VCO ADJ (I2C BUS CONTROL) (AUTO & MANUAL ADJ)	<p><b>(Manual Adj)</b></p> <p>(1) In No signal (RASTER) condition.</p> <p>(2) Go to service mode, choose service data <b>V02</b>.</p> <p>(3) Connect oscilloscope to <b>IC801 pin9</b>, adj <b>V02</b> until voltage become <b>1.65 ± 0.5 V</b>.</p> <p><b>(Auto Adj)</b></p> <p>(1) In No signal (RASTER) condition.</p> <p>(2) Go to service mode, choose service data <b>V02</b>.</p> <p>(3) Press the R/C <b>Auto (Hex C1)</b> key, OSD will appear "OK" at screen.</p> <p>(4) If appear "NG" pls repeat step 3.</p>	<p>*NOTE:</p> <p>This adjustment must be done after aging at least 3 minutes.</p>
3	S-TRAP fo ADJ (I2C BUS CONTROL) (AUTO & MANUAL ADJ)	<p><b>(Manual Adj)</b></p> <p>(1) In No signal (RASTER) condition.</p> <p>(2) Go to service mode, choose service data <b>V21</b>.</p> <p>(3) Connect oscilloscope to <b>TP 801</b>, adj <b>V21</b> until voltage become <b>Min</b>.</p> <p>(4) After that pls adj service data <b>V20, V22, V24 same as "V21", V23 to "V21+1"</b>.</p> <p><b>(Auto Adj)</b></p> <p>(1) In No signal (RASTER) condition.</p> <p>(2) Go to service mode, choose service data <b>V21</b>.</p> <p>(3) Press the R/C <b>Auto (Hex C1)</b> key, OSD will appear "OK" at screen.</p> <p>(4) If appear "NG" pls repeat step 3.</p>	

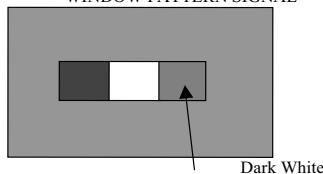
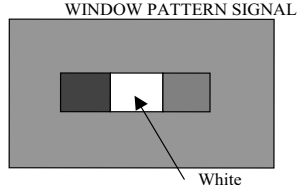
## 5. HORIZONTAL, VERTICAL, DEFLECTION LOOP and FOCUS ADJUSTMENT

NO	ADJUSTMENT POINT	ADJUSTMENT CONDITION / PROCEDURE	WAVEFORM OR OTHERS
1	H-SHIFT (I2C BUS CONTROL) (to be done after purity adj)	(1) Receive Monoscope Pattern Signal (PAL 50 Hz). (2) Choose the service data <b>V13</b> . (3) Adjust the <b>V13</b> bus data to have a balance position to spec of <b>A=B</b> (as attach drawing). (4) If cannot make it to <b>A=B</b> , adjust from the best point so that <b>B</b> slightly smaller than <b>A</b> .	
2	V-SHIFT (I2C BUS CONTROL) (to be done after purity adj)	(1) Receive Monoscope Pattern Signal (PAL 50 Hz). (2) Choose the service data <b>V12</b> . (3) Adjust <b>V12</b> bus data to have a most acceptable vertical position, the monoscope pattern should be <b>Balance</b> in vertical position. <b>Note: B line (Monoscope middle line) must same or nearest higher position to the A mark (Tube middle mark), refer to the attach drawing.</b>	Figure:
3	V-SIZE (I2C BUS CONTROL) (to be done after purity, V-shift adj)	(1) Receive Monoscope Pattern Signal (PAL 50 Hz). (2) Choose the service data <b>V11</b> . (3) Adjust <b>V11</b> bus data until the overscan become <b>10 ± 1.5 %</b> .  <b>Caution 1: Pls aging TV more than 10 minutes before adjustment.</b> <b>Caution 2: For H-shift &amp; V-shift &amp; V-size adj, after adj pls switch to Monoscope pattern signal (NTSC 60 Hz) to confirm all positions are the same.</b>	
4	SUB-SHARPNESS	(1) Confirm Service data <b>V08</b> is <b>44</b> .	
5	Focus	(1) Receive the "Monoscope Pattern" signal. (2) Press R/C to set Picture NORMAL condition. (3) Adjust the focus control to get the best focusing.	

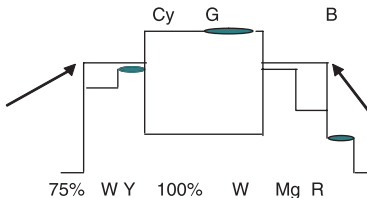
## 6. SCREEN, WHITE BALANCE, SUB-BRIGHTNESS & SUB-CONTRAST (1) ADJUSTMENT

NO	ADJUSTMENT POINT	ADJUSTMENT CONDITION / PROCEDURE	WAVEFORM OR OTHERS
1	SCREEN ADJUSTMENT (I2C BUS CONTROL)	(1) In window pattern signal condition (2) Go to service mode, then select V00. (3) By pressing R/C key <b>S-Mute (Hex E8)</b> , <b>R-D</b> auto switch to <b>31</b> , <b>B-D</b> auto switch to <b>31</b> , <b>R-C</b> auto switch to <b>95</b> , <b>G-C</b> auto switch to <b>95</b> , <b>B-C</b> auto switch to <b>95</b> , <b>Sub-brightness V06</b> auto switch to <b>75</b> . <b>Y-mute &amp; Vertical off</b> , screen will be in <b>vertical cut-off</b> condition (4) Adjust the Screen so that cut-off line appear in low bright, then judge that whether the cut-off line appear in Red or Green or Blue color, in this condition between R-C & G-C & B-C, fix the data of the color appear in cut-off line and adj the other two cut-off data (Note 1) so that cut-off line color become white. (5) Turn the screen VR of FBT so that cut-off line just <b>disappear</b> and use R/C by pressing key <b>S-Mute (Hex E8)</b> to <b>disable</b> the Y-mute & V-cut so that picture appear in normal mode. (6) After screen Adjustment, adjust R-D to 63 and B-D to 63 for White Balance Adj.	Note 1: R-CUTOFF (R-C) UP      RC key "1" (HEX 80) R-CUTOFF (R-C) DOWN      RC key "4" (HEX 20) G-CUTOFF (G-C) UP      RC key "2" (HEX 40) G-CUTOFF (G-C) DOWN      RC key "5" (HEX A0) B-CUTOFF (B-C) UP      RC key "3" (HEX C0) B-CUTOFF (B-C) DOWN      RC key "6" (HEX 60) R-DRIVE (R-D) UP      RC key "7" (HEX E0) R-DRIVE (R-D) DOWN      RC key "Flashback" (HEX E4) B-DRIVE (B-D) UP      RC key "8" (HEX 10) B-DRIVE (B-D) DOWN      RC key "0" (HEX 50)
2	WHITE BALANCE ADJ (to be done after screen adj) (I2C BUS CONTROL)	<b>(1) WHITE (HIGH BEAM)</b> (In Window Pattern Signal) <b>For 21K-FD5RU</b> First use Minolta Color Analyzer CA100, let the gun point at <b>Dark White</b> position (as drawing attach), Adj <b>V06</b> until <b>LUMINANCE Y</b> become <b>5 cd/m<sup>2</sup></b> , then let the gun point at <b>White</b> position ( as drawing attach), Adj <b>V04</b> until <b>LUMINANCE Y</b> become: <b>200 cd/m<sup>2</sup></b> .  Adj the <b>R-D</b> & <b>B-D</b> until the axis of color temperature become <b>X=300, Y=310 7500° K (21K-FD5RU)</b>  <b>(2) DARK WHITE (LOW BEAM)</b> (In Window Pattern Signal) Let the gun point at <b>Dark White</b> position, if the color temperature data shift away from the data adjusted in <b>step 1</b> , adjust <b>R-C</b> , <b>G-C</b> & <b>B-C</b> but <b>between them</b> , <b>first color appears in Screen adj item 1)-4 is fixed</b> , adj the other two so that to obtain the similar axis as above. <b>** Repeat step 1 &amp; 2 to get a regulated position</b>	WINDOW PATTERN SIGNAL  <b>*Note :</b> Signal using W/B Pattern Generator SX-1006 (IWATSU) or equivalent. Window Pattern Signal output level are as above:

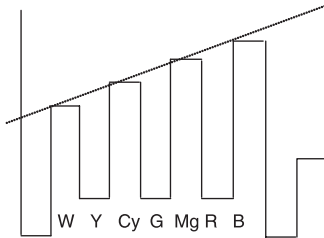
## 7. SCREEN, WHITE BALANCE, SUB-BRIGHTNESS &amp; SUB-CONTRAST (2) ADJUSTMENT

NO	ADJUSTMENT POINT	ADJUSTMENT CONDITION / PROCEDURE	WAVEFORM OR OTHERS
3	SUB-BRIGHTNESS (to be done after screen, white balance adj) (I2C BUS CONTROL)	(1) In Window Pattern Signal condition. (2) Using Minolta Color Analyzer CA-100, let the gun point at <b>Dark White</b> position (as attach drawing), adjust <b>V06</b> Bus data until <b>LUMINANCE Y</b> as below,  <b>LUMINANCE Y = <math>3 \pm 0.2</math> cd/m<sup>2</sup> (21K-FD5RU)</b>	WINDOW PATTERN SIGNAL 
4	SUB-CONTRAST (to be done after screen, white balance adj, sub-brightness adj) (I2C BUS CONTROL)	(1) In Window Pattern Signal condition. (2) Using Minolta Color Analyzer CA-100, let the gun point at <b>White</b> position (as attach drawing), adjust <b>V04</b> Bus data until <b>LUMINANCE Y</b> as below, (3) Repeat SUB-BRIGHTNESS and SUB -CONTRAST adj. until all in spec. (4) After adjustment , if $V04 \leq 66$ . please re-adjust from Screen adjustment. This is to avoid low control range for user contrast adjustment.  <b>LUMINANCE Y = <math>200 \pm 10</math> cd/m<sup>2</sup> (21K-FD5RU)</b>	WINDOW PATTERN SIGNAL 
5	Beam Current Check	(1) Receive the "Monoscope Pattern" signal, SET AS Dynamic Mode. (2) Press R/C to set Picture NORMAL condition. (3) Connect the DC miliammeter between TP 603 ( + ) & TP 602 ( - ) (Full Scale: 3mA Range). (4) Beam current must be within : <b>1000 <math>\pm</math> 100<math>\mu</math>A. (21K-FD5RU)</b>	

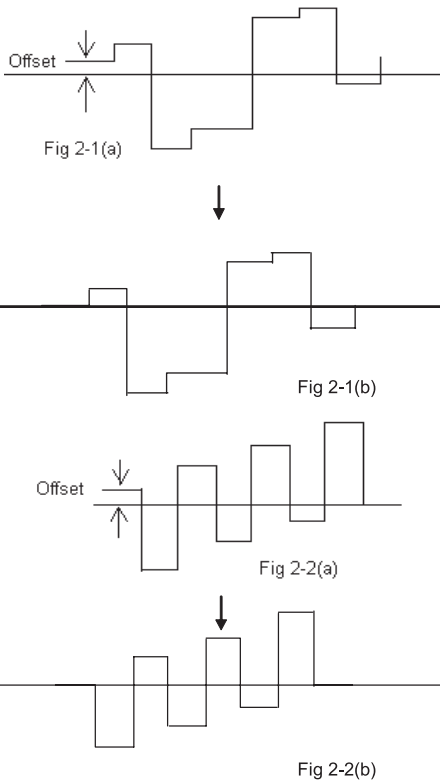
## 8. PAL CHROMA ADJUSTMENT

NO	ADJUSTMENT POINT	ADJUSTMENT CONDITION / PROCEDURE	WAVEFORM OR OTHERS
1	SUB COLOUR (I2C BUS CONTROL) (to be done after sub-picture, sub-tint adj)	(1) Receive the "PAL Color Bar" signal. (2) Press R/C to set Picture Normal condition. (3) Connect the oscilloscope to R-Amp Transistor Base (TP 47R)  Range : 100mV/Div (AC) (Using 10:1 Probe) Sweep Time : 10 $\mu$ sec/Div  (4) Using the R/C call <b>V05</b> in SERVICE mode. Adjust <b>V05</b> bus data, so that the 75% White & Red portions of PAL Color Bar be at the <b>same level</b> shown as Fig 1-1.  (5) Clear the SERVICE mode.	 <p>Fig. 1-1</p>

## 9. NTSC CHROMA ADJUSTMENT

NO	ADJUSTMENT POINT	ADJUSTMENT CONDITION / PROCEDURE	WAVEFORM OR OTHERS
1	SUB-TINT (I2C BUS CONTROL)	(1) Receive the "NTSC 3.58 Color Bar" signal thru AV in. (2) Connect the oscilloscope to B-AMP Transistor Base (TP 47B). Range : 100mV/Div (AC) (Use Probe 10:1) Sweep time : 10 $\mu$ sec/Div  (3) In Service mode, go to <b>V07</b> , then press <b>R/C Y-mute (Hex E4)</b> or <b>FLASHBACK</b> key. (4) Call the " <b>V07</b> " data in service mode. Adjust the " <b>V07</b> " bus data to obtain the waveform shown as Figure 1-1. (5) Disable <b>Y-Mute</b> by pressing key ( <b>Hex E4</b> ) or <b>FLASHBACK</b> , then clear the SERVICE mode.	 <p>Fig.1-1</p>

## 10. SECAM CHROMA ADJUSTMENT

NO	ADJUSTMENT POINT	ADJUSTMENT CONDITION / PROCEDURE	WAVEFORM OR OTHERS
1	SECAM BLACK LEVEL R-Y / B-Y  (I2C BUS CONTROL)	<p>1) Receive "SECAM COLOR BAR" signal.</p> <p>2) In the service mode, select service data <b>V14</b>.</p> <p>3) Connect oscilloscope to <b>TP 801</b>. Range: <b>20mV/Div(AC)</b> (use 10:1 probe) Sweep time: <b>20usec/Div</b></p> <p>4) Adjust the <b>V14</b> so that the offset of R-Y to minimum, shown in <b>Fig 2-1(b)</b> it means adjust the offset of between No signal line and Signal line to minimum.</p> <p>5) In the service mode, select service data <b>V15</b>.</p> <p>6) Connect oscilloscope to <b>TP 801</b>. Range: <b>20mV/Div (AC)</b> (use 10:1 probe) Sweep time: <b>20usec/Div</b></p> <p>7) Adjust the <b>V15</b> so that the offset of B-Y to minimum, shown in <b>Fig 2-2(b)</b> it means adjust the offset of between No signal line and Signal line to minimum.</p>	 <p>Offset</p> <p>Fig 2-1(a)</p> <p>Fig 2-1(b)</p> <p>Offset</p> <p>Fig 2-2(a)</p> <p>Fig 2-2(b)</p>

## 11. SIF (NICAM / IGB) ADJUSTMENT (NICAM OR IGB MODEL ONLY)

NO	ADJUSTMENT POINT	ADJUSTMENT CONDITION / PROCEDURE	WAVEFORM OR OTHERS
1	VCO COIL T2300	<p>(1) Receive "PAL COLOUR BAR" signal.</p> <p>(2) Connect DC Voltmeter to Main Board socket <b>SC304 pin 1</b>.</p> <p>(3) Check and turn T2300 counter-clockwise (Left) so that DC voltmeter appear 0V, then turn it clockwise (Right) so that DC voltmeter appear 5V. After that, turn <b>T2300</b> counter-clockwise (Left) until DC voltmeter appear <b>2.5 ± 0.1 Vdc</b></p> <p><b>** UNIT BOARD ADJUSTMENT</b></p> <p>Vcc                      5 ± 0.1 Vdc IF Input Freq        38.9 MHz ± 10 KHz</p> <p>Adjust T2300 until TP 2300 (NICAM Board Test Point) become 2.5 ± 0.1 Vdc.</p> <p>Check after assembly NICAM BOARD Test point: Main Board socket SC304 pin 1 Preset selected reception freq (AFT OFF) Check Voltage 2.5 ± 0.1 Vdc</p> <p>Precaution: The Vcc, fo and other factors are considered in the unit board of the 1.0 V tolerance which differ from the adjustment accuracy</p>	

**12. PROTECTOR OPERATION CHECKING**

NO	ADJUSTMENT POINT	ADJUSTMENT CONDITION / PROCEDURE	WAVEFORM OR OTHERS
1	H, V PROTECTOR	(1) Receive "Monoscope Pattern" signal. (2) Connect output of Bias Box to <b>D602</b> cathode (C602 positive). (3) Set voltage of Bias Box to <b>18V</b> and make sure the protector is not working. (4) Set voltage of Bias Box to <b>27V</b> and make sure the protector is working.	
2	OTHER PROTECTOR	(1) Once finish rectified Electrolytic Capacitor short testing in + B line, check all possible damaged components on +B line. (Use random selected set for inspection)	

**13. A/V INPUT, OUTPUT & COMPONENT IN CHECKING**

NO	ADJUSTMENT POINT	ADJUSTMENT CONDITION / PROCEDURE	WAVEFORM OR OTHERS
1	VIDEO AND AUDIO OUTPUT CHECK	(1) Receive the "PAL Color Bar" signal (100% White Color Bar, Sound 400 Hz 100% Mod).  (2) Terminate the Video output with a 75 ohm impedance. Make sure the output is as specified ( <b>1.0 Vp-p ± 3 dB</b> ).  (3) Terminate the Audio output with a 10K ohm impedance. Make sure the O/P is as specified ( <b>1.5 Vp-p ± 3 dB</b> ).	
2	VIDEO AND AUDIO INPUT CHECK	(1) Using the TV/VIDEO key on the remote controller, make sure that the modes change in order of TV, AV1, AV2 & TV again and the video & audio output are according to the input terminal for each mode.	<b>Note :</b> Only for the model which have AV2 function.
		(1) Using the TV/AV key on the remote controller, make sure that the modes change in order of TV, AV, & TV again and the video & audio output are according to the input terminal for each mode. If connect input to Front and Rear AV terminal, input terminal of Front AV will be selected.	<b>Note :</b> Only for those model which have AV1 only.
3	COMPONENT IN CHECK	(1) Connect YUV & Audio signal to Component In terminal and Audio terminal. (2) Using the TV/VIDEO key on the remote controller, press it until the modes change to COMPONENT, confirm output is appear.	<b>Note :</b> Only for the model which have Component In function.

**14. FUNCTION OPERATION CHECKING (1) (VIDEO & AUDIO)**

NO	ADJUSTMENT POINT	ADJUSTMENT CONDITION / PROCEDURE	WAVEFORM OR OTHERS
1	CONTRAST Key	(1) Receive "Monoscope Pattern" signal. (2) Set MENU, then go into PICTURE mode to select CONTRAST. (3) Press Volume Up/Down key to check whether the CONTRAST effect is OK or not.	<b>Note:</b> Please set AV mode in DYNAMIC
2	COLOUR Key	(1) Receive "Color Bar" signal. (2) Set MENU, then go into PICTURE mode to select COLOUR. (3) Press Volume Up/Down key to check whether the COLOUR effect is OK or not.	<b>Note:</b> Please set AV mode in DYNAMIC
3	BRIGHTNESS Key	(1) Receive "Monoscope Pattern" signal. (2) Set MENU, then go into PICTURE mode to select BRIGHTNESS. (3) Press Volume Up/Down key to check whether the BRIGHTNESS effect is OK or not.	<b>Note:</b> Please set AV mode in DYNAMIC
4	TINT Key	(1) Receive the "NTSC Colour Bar" signal thru AV in. (2) Set MENU, then go into PICTURE mode to select TINT. (3) Press Volume Up/Down key to check TINT, UP for GREEN direction and DOWN for PURPLE direction whether is OK or not.	<b>Note:</b> Please set AV mode in DYNAMIC
5	SHARPNESS Key	(1) Receive "Monoscope Pattern" signal. (2) Set MENU, then go into PICTURE mode to select SHARPNESS. (3) Press Volume Up/Down key to check whether the SHARPNESS effect is OK or not.	<b>Note:</b> Please set AV mode in DYNAMIC
6	CH DISPLAY COLOUR	(1) All Ch (1~99) will have an OSD display of the channel number in green colour under AFT ON condition.	

## 15. FUNCTION OPERATION CHECKING (2) (VIDEO &amp; AUDIO) CONTINUED

NO	ADJUSTMENT POINT	ADJUSTMENT CONDITION / PROCEDURE	WAVEFORM OR OTHERS																																																
7	WHITE TEMP	<p>(1) Receive "Monoscope Pattern" signal.</p> <p>(2) Set MENU, then go into PICTURE mode to select WHITE TEMP.</p> <p>(3) Press Volume Up/Down key to check WHITE TEMP function. The back ground will change to (shift right) bluish and (shift left) reddish.</p>																																																	
8	NORMAL Key	<p>(1) Once in PICTURE or SOUND Mode, and the NORMAL key is pressed, all the settings will be preset to normal setting accordingly . (Normal setting value for every mode)</p> <p><b>PICTURE MODE</b></p> <table> <tr> <td>AV MODE</td><td>DYNAMIC</td><td>SOFT</td><td>STANDARD</td></tr> <tr> <td>CONTRAST</td><td>60</td><td>30</td><td>50</td></tr> <tr> <td>COLOUR</td><td>+5</td><td>0</td><td>0</td></tr> <tr> <td>BRIGHTNESS</td><td>0</td><td>0</td><td>0</td></tr> <tr> <td>TINT</td><td>Mid</td><td>Mid</td><td>Mid</td></tr> <tr> <td>SHARPNESS</td><td>+5</td><td>-10</td><td>0</td></tr> <tr> <td>ANR</td><td>OFF</td><td>OFF</td><td>0</td></tr> <tr> <td>WHITE TEMP</td><td>Mid</td><td>Mid</td><td>Mid</td></tr> </table> <p><b>SOUND MODE</b></p> <table> <tr> <td>SURROUND</td><td>OFF</td><td>OFF</td><td>OFF</td></tr> <tr> <td>TREBLE</td><td>+5</td><td>-10</td><td>0</td></tr> <tr> <td>BASS</td><td>+5</td><td>-5</td><td>0</td></tr> <tr> <td>BALANCE</td><td>Mid</td><td>0</td><td>0</td></tr> </table>	AV MODE	DYNAMIC	SOFT	STANDARD	CONTRAST	60	30	50	COLOUR	+5	0	0	BRIGHTNESS	0	0	0	TINT	Mid	Mid	Mid	SHARPNESS	+5	-10	0	ANR	OFF	OFF	0	WHITE TEMP	Mid	Mid	Mid	SURROUND	OFF	OFF	OFF	TREBLE	+5	-10	0	BASS	+5	-5	0	BALANCE	Mid	0	0	<p><b>Note:</b></p> <p>1. In NORMAL Mode, when press NORMAL key, will appear NORMAL OSD and all setting PICTURE, SOUND functions set to NORMAL.</p> <p>2. In NORMAL Mode, when press NORMAL key, AV MODE remain at current setting mode.</p>
AV MODE	DYNAMIC	SOFT	STANDARD																																																
CONTRAST	60	30	50																																																
COLOUR	+5	0	0																																																
BRIGHTNESS	0	0	0																																																
TINT	Mid	Mid	Mid																																																
SHARPNESS	+5	-10	0																																																
ANR	OFF	OFF	0																																																
WHITE TEMP	Mid	Mid	Mid																																																
SURROUND	OFF	OFF	OFF																																																
TREBLE	+5	-10	0																																																
BASS	+5	-5	0																																																
BALANCE	Mid	0	0																																																
9	COLOUR SYSTEM	<p>(1) Receive the "PAL COLOUR BAR" signal, press MENU, choose CH-SETTING to select COLOR modes except PAL, check the COLOUR is not working properly. Then, select the "PAL" mode. Check again its colour so that it is working properly.</p> <p>(2) Receive "SECAM COLOUR BAR" signal, press MENU, choose CH-SETTING to select COLOR modes except SECAM, check the COLOUR is not working properly. Then, select the "SECAM" mode. Check again its colour so that it is working properly.</p> <p>(3) Receive "NTSC 4.43" signal, press MENU, choose CH-SETTING to select COLOR modes except N443, check the COLOUR is not working properly. Then, select the N443 mode. Check again its colour so that it is working properly.</p> <p>(4) Receive "NTSC 3.58" signal, press MENU, choose CH-SETTING to select COLOR modes except N358, check the COLOUR is not working properly. Then, select the N358 mode. Check again its colour so that it is working properly.</p>																																																	

**16. FUNCTION OPERATION CHECKING (3) (VIDEO & AUDIO) CONTINUED**

NO	ADJUSTMENT POINT	ADJUSTMENT CONDITION / PROCEDURE	WAVEFORM OR OTHERS
10	SURROUND	(1) Receive "music" sound signal. (2) Set MENU, then go into SOUND MENU to select SURROUND. (3) Press VOLUME UP/DOWN key to check SURROUND I, II and OFF effect.	<b>Note:</b> Please set the AV mode in DYNAMIC
11	TREBLE	(1) Receive "music" sound signal. (2) Set MENU, then go into SOUND MENU to select TREBLE. (3) Press VOLUME UP/DOWN key to check whether the TREBLE effect is OK or not.	<b>Note:</b> Please set the AV mode in DYNAMIC
12	BASS	(1) Receive "music" sound signal. (2) Set MENU, then go into SOUND MENU to select BASS. (3) Press VOLUME UP/DOWN key to check whether the BASS effect is OK or not.	<b>Note:</b> Please set the AV mode in DYNAMIC
13	BALANCE	(1) Receive mono-tone signal. (2) Set MENU, then go into SOUND MENU to select BALANCE. (3) Press VOLUME UP/DOWN key to check whether the left to right BALANCE effect is OK or not.	<b>Note:</b> Please set the AV mode in DYNAMIC
14	SOUND SYSTEM	(1) Receive "PAL-D/K" signal, press MENU, choose CH-SETTING then go into SOUND mode to select B/G, I, M. Check the sound output is not working properly. Select D/K and check the sound output to make sure it is working properly. (2) Receive "PAL-I" signal, press MENU, choose CH-SETTING then go into SOUND mode to select B/G, D/K, M. Check the sound output is not working properly. Select I and check the sound output to make sure it is working properly. (3) Receive "PAL-B/G" signal, press MENU, choose CH-SETTING then go into SOUND mode to select I, D/K, M. Check the sound output is not working properly. Select B/G and check the sound output to make sure it is working properly. (4) Receive "NTSC-M" signal, press MENU, choose CH-SETTING then go into SOUND mode to select B/G, I, D/K. Check the sound output is not working properly. Select M and check the sound output to make sure it is working properly.	

**17. FUNCTION OPERATION CHECKING (3) (VIDEO & AUDIO) CONTINUED**

NO	ADJUSTMENT POINT	ADJUSTMENT CONDITION / PROCEDURE								WAVEFORM OR OTHERS
15	NOISE MUTE CHECKING	(1) Receive "PAL COLOUR BAR" signal.  (2) Turn up the volume control to maximum, make sure the sound is heard from the speakers. Then put the unit in no signal state.  (3) Check the sound mute is effective.  (4) Finally turn sound level of CTV to minimum.								
16	OSD LANGUAGE QUANTITY CHECK	(1) Check OSD LANGUAGE quantity and type for respect model.								
		MODEL	QUANTITY	ENGLISH	RUSSIAN	CHINESE	FRENCH	ARABIC	MALAY	
		21K-FD5RU	2	O	O	-	-	-	-	

**18. HEADPHONE JACK CHECKING**

NO	ADJUSTMENT POINT	ADJUSTMENT CONDITION / PROCEDURE	WAVEFORM OR OTHERS
1	HEADPHONE OUTPUT CHECKING	(1) Receive PAL COLOUR BAR with SOUND 400Hz, 100% MODULATION ( $\pm 50\text{kHz}$ Dev). (2) Maximum volume, and check the headphone output with 400Hz sound and no sound output from speaker.	



**19. SHOCK TEST CHECKING**

NO	ADJUSTMENT POINT	ADJUSTMENT CONDITION / PROCEDURE	WAVEFORM OR OTHERS
1	SHOCK TEST	1. Hit at the top of TV set for two time. 2. Check TV set not damage and TV operation operate correctly.	

**20. ROM CORRECTION CHECKING**

NO	ADJUSTMENT POINT	ADJUSTMENT CONDITION / PROCEDURE								WAVEFORM OR OTHERS		
1	ROM CORRECTION CHECK	(1) Go to SERVICE mode, press "MENU" key until the SERVICE mode display as in Figure 3 appeared.								<div>INFO</div> <div>SLV200</div> <div>SLV400</div> <div>SLV500</div> <div>R1: ACTR4: ACTR7: NO</div> <div>R2: ACTR5: ACTR8: NO</div> <div>R3: ACTR6: NO</div> <div>SOFT: 0.90MICON: ZZ</div>		
		(2) Check the ROM CORRECTION status by monitoring the screen, follow the model's setting. Micon Version : RH-IXB584WJZZ (Software Ver.0.90)										
		R1	R2	R3	R4	R5	R6	R7	R8			
		ACT	ACT	ACT	ACT	ACT	NO	NO	NO			
Note: For Nicam model, SLV5 will appear. For IGR model, SLV6 will appear.												

Figure 3

# CHAPTER 4. MEMORY MAP

## [1] MEMORY MAP

MODEL : IXB584WJZZ (GA5 TEXT)									SEM POD SOFTWARE GROUP		TV DESIGN ENGINEERING		TV PRODUCTION ENGINEERING				
EEPROM CHECK DATA LIST 1									ISSUED DATE :		ISSUED DATE :		ISSUED DATE :				
									MANAGER		MANAGER		MANAGER				
									CHIEF		CHIEF		CHIEF				
ENGINEER		ENGINEER		ENGINEER		ENGINEER											
SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)																	
ADDRESS (HEX)	DATA								MICON DEFAULT	EEPROM RANGE	EEPROM WRITE(CPU)	CHASSIS		CTV FINAL		LAST INITIAL SETTING DATA	REMARK
	D7	D6	D5	D4	D3	D2	D1	D0				CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE		
00	EEPROM INITIALIZATION JUDGEMENT BYTE-0								7B	00-FF							* depend on lcode, current this model is IXB525 so set as 7B 75 72 75.
01	EEPROM INITIALIZATION JUDGEMENT BYTE-1								75	00-FF							
02	EEPROM INITIALIZATION JUDGEMENT BYTE-2								78	00-FF							
03	EEPROM INITIALIZATION JUDGEMENT BYTE-3								74	00-FF							
04	ROM VERSION								00	00-FF							
05	SOFTWARE VERSION (HIGH BYTE)								00	00-FF							*depend on final release version. If version 0.70 so it will become 00 & 46
06	SOFTWARE VERSION (LOW BYTE)								5A	00-FF							
07																	
08	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 0
09	TUNING FREQUENCY (HIGH BYTE)									00-FF							
0A	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 1
0B	TUNING FREQUENCY (HIGH BYTE)									00-FF							
0C	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 2
0D	TUNING FREQUENCY (HIGH BYTE)									00-FF							
0E	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 3
0F	TUNING FREQUENCY (HIGH BYTE)									00-FF							
10	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 4
11	TUNING FREQUENCY (HIGH BYTE)									00-FF							
12	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 5
13	TUNING FREQUENCY (HIGH BYTE)									00-FF							
14	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 6
15	TUNING FREQUENCY (HIGH BYTE)									00-FF							
16	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 7
17	TUNING FREQUENCY (HIGH BYTE)									00-FF							
18	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 8
19	TUNING FREQUENCY (HIGH BYTE)									00-FF							
1A	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 9
1B	TUNING FREQUENCY (HIGH BYTE)									00-FF							
1C	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 10
1D	TUNING FREQUENCY (HIGH BYTE)									00-FF							
1E	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 11
1F	TUNING FREQUENCY (HIGH BYTE)									00-FF							
20	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 12
21	TUNING FREQUENCY (HIGH BYTE)									00-FF							
22	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 13
23	TUNING FREQUENCY (HIGH BYTE)									00-FF							
24	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 14
25	TUNING FREQUENCY (HIGH BYTE)									00-FF							
26	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 15
27	TUNING FREQUENCY (HIGH BYTE)									00-FF							
28	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 16
29	TUNING FREQUENCY (HIGH BYTE)									00-FF							
2A	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 17
2B	TUNING FREQUENCY (HIGH BYTE)									00-FF							
2C	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 18
2D	TUNING FREQUENCY (HIGH BYTE)									00-FF							
2E	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 19
2F	TUNING FREQUENCY (HIGH BYTE)									00-FF							
30	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 20
31	TUNING FREQUENCY (HIGH BYTE)									00-FF							
32	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 21
33	TUNING FREQUENCY (HIGH BYTE)									00-FF							
34	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 22
35	TUNING FREQUENCY (HIGH BYTE)									00-FF							
36	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 23
37	TUNING FREQUENCY (HIGH BYTE)									00-FF							
38	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 24
39	TUNING FREQUENCY (HIGH BYTE)									00-FF							
3A	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 25
3B	TUNING FREQUENCY (HIGH BYTE)									00-FF							
3C	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 26
3D	TUNING FREQUENCY (HIGH BYTE)									00-FF							
3E	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 27
3F	TUNING FREQUENCY (HIGH BYTE)									00-FF							
MODEL									MODEL								
LETTER NO.									LETTER NO.								

MODEL : IXB584WJZZ (GA5 TEXT)									SEM PCD SOFTWARE GROUP			TV DESIGN ENGINEERING			TV PRODUCTION ENGINEERING		
EEPROM CHECK DATA LIST 2									ISSUED DATE :			ISSUED DATE :			ISSUED DATE :		
									MANAGER			MANAGER			MANAGER		
									CHIEF			CHIEF			CHIEF		
									ENGINEER			Lingjie			ENGINEER		
SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)																	
ADDRESS (HEX)	DATA								MICON DEFAULT	EEPROM RANGE	EEPROM WRITE(CPU)	CHASSIS		CTV FINAL		LAST INITIAL SETTING DATA	REMARK
	D7	D6	D5	D4	D3	D2	D1	D0				CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE		
40	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 28
41	TUNING FREQUENCY (HIGH BYTE)									00-FF							
42	TUNING FREQUENCY (LOW BYTE)									00-FF						POS 29	
43	TUNING FREQUENCY (HIGH BYTE)									00-FF							
44	TUNING FREQUENCY (LOW BYTE)									00-FF						POS 30	
45	TUNING FREQUENCY (HIGH BYTE)									00-FF							
46	TUNING FREQUENCY (LOW BYTE)									00-FF						POS 31	
47	TUNING FREQUENCY (HIGH BYTE)									00-FF							
48	TUNING FREQUENCY (LOW BYTE)									00-FF						POS 32	
49	TUNING FREQUENCY (HIGH BYTE)									00-FF							
4A	TUNING FREQUENCY (LOW BYTE)									00-FF						POS 33	
4B	TUNING FREQUENCY (HIGH BYTE)									00-FF							
4C	TUNING FREQUENCY (LOW BYTE)									00-FF						POS 34	
4D	TUNING FREQUENCY (HIGH BYTE)									00-FF							
4E	TUNING FREQUENCY (LOW BYTE)									00-FF						POS 35	
4F	TUNING FREQUENCY (HIGH BYTE)									00-FF							
50	TUNING FREQUENCY (LOW BYTE)									00-FF						POS 36	
51	TUNING FREQUENCY (HIGH BYTE)									00-FF							
52	TUNING FREQUENCY (LOW BYTE)									00-FF						POS 37	
53	TUNING FREQUENCY (HIGH BYTE)									00-FF							
54	TUNING FREQUENCY (LOW BYTE)									00-FF						POS 38	
55	TUNING FREQUENCY (HIGH BYTE)									00-FF							
56	TUNING FREQUENCY (LOW BYTE)									00-FF						POS 39	
57	TUNING FREQUENCY (HIGH BYTE)									00-FF							
58	TUNING FREQUENCY (LOW BYTE)									00-FF						POS 40	
59	TUNING FREQUENCY (HIGH BYTE)									00-FF							
5A	TUNING FREQUENCY (LOW BYTE)									00-FF						POS 41	
5B	TUNING FREQUENCY (HIGH BYTE)									00-FF							
5C	TUNING FREQUENCY (LOW BYTE)									00-FF						POS 42	
5D	TUNING FREQUENCY (HIGH BYTE)									00-FF							
5E	TUNING FREQUENCY (LOW BYTE)									00-FF						POS 43	
5F	TUNING FREQUENCY (HIGH BYTE)									00-FF							
60	TUNING FREQUENCY (LOW BYTE)									00-FF						POS 44	
61	TUNING FREQUENCY (HIGH BYTE)									00-FF							
62	TUNING FREQUENCY (LOW BYTE)									00-FF						POS 45	
63	TUNING FREQUENCY (HIGH BYTE)									00-FF							
64	TUNING FREQUENCY (LOW BYTE)									00-FF						POS 46	
65	TUNING FREQUENCY (HIGH BYTE)									00-FF							
66	TUNING FREQUENCY (LOW BYTE)									00-FF						POS 47	
67	TUNING FREQUENCY (HIGH BYTE)									00-FF							
68	TUNING FREQUENCY (LOW BYTE)									00-FF						POS 48	
69	TUNING FREQUENCY (HIGH BYTE)									00-FF							
6A	TUNING FREQUENCY (LOW BYTE)									00-FF						POS 49	
6B	TUNING FREQUENCY (HIGH BYTE)									00-FF							
6C	TUNING FREQUENCY (LOW BYTE)									00-FF						POS 50	
6D	TUNING FREQUENCY (HIGH BYTE)									00-FF							
6E	TUNING FREQUENCY (LOW BYTE)									00-FF						POS 51	
6F	TUNING FREQUENCY (HIGH BYTE)									00-FF							
70	TUNING FREQUENCY (LOW BYTE)									00-FF						POS 52	
71	TUNING FREQUENCY (HIGH BYTE)									00-FF							
72	TUNING FREQUENCY (LOW BYTE)									00-FF						POS 53	
73	TUNING FREQUENCY (HIGH BYTE)									00-FF							
74	TUNING FREQUENCY (LOW BYTE)									00-FF						POS 54	
75	TUNING FREQUENCY (HIGH BYTE)									00-FF							
76	TUNING FREQUENCY (LOW BYTE)									00-FF						POS 55	
77	TUNING FREQUENCY (HIGH BYTE)									00-FF							
78	TUNING FREQUENCY (LOW BYTE)									00-FF						POS 56	
79	TUNING FREQUENCY (HIGH BYTE)									00-FF							
7A	TUNING FREQUENCY (LOW BYTE)									00-FF						POS 57	
7B	TUNING FREQUENCY (HIGH BYTE)									00-FF							
7C	TUNING FREQUENCY (LOW BYTE)									00-FF						POS 58	
7D	TUNING FREQUENCY (HIGH BYTE)									00-FF							
7E	TUNING FREQUENCY (LOW BYTE)									00-FF						POS 59	
7F	TUNING FREQUENCY (HIGH BYTE)									00-FF							
MODEL									MODEL								
LETTER NO.									LETTER NO.								

MODEL : IXB584WJZZ (GA5 TEXT)									SEM PDD SOFTWARE GROUP			TV DESIGN ENGINEERING			TV PRODUCTION ENGINEERING											
EEPROM CHECK DATA LIST 3									ISSUED DATE :			ISSUED DATE :			ISSUED DATE :											
									MANAGER						MANAGER						MANAGER					
									CHIEF						CHIEF						CHIEF					
									ENGINEER			Lingta			ENGINEER						ENGINEER					
SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)																										
ADDRESS (HEX)	DATA								MICON DEFAULT	EEPROM RANGE	EEPROM WRITE(CPU)	CHASSIS		CTV FINAL		LAST INITIAL SETTING DATA		REMARK								
	D7	D6	D5	D4	D3	D2	D1	D0			CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE												
80	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 60									
81	TUNING FREQUENCY (HIGH BYTE)									00-FF																
82	TUNING FREQUENCY (LOW BYTE)									00-FF						POS 61										
83	TUNING FREQUENCY (HIGH BYTE)									00-FF																
84	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 62									
85	TUNING FREQUENCY (HIGH BYTE)									00-FF																
86	TUNING FREQUENCY (LOW BYTE)									00-FF						POS 63										
87	TUNING FREQUENCY (HIGH BYTE)									00-FF																
88	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 64									
89	TUNING FREQUENCY (HIGH BYTE)									00-FF																
8A	TUNING FREQUENCY (LOW BYTE)									00-FF						POS 65										
8B	TUNING FREQUENCY (HIGH BYTE)									00-FF																
8C	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 66									
8D	TUNING FREQUENCY (HIGH BYTE)									00-FF																
8E	TUNING FREQUENCY (LOW BYTE)									00-FF						POS 67										
8F	TUNING FREQUENCY (HIGH BYTE)									00-FF																
90	TUNING FREQUENCY (LOW BYTE)									00-FF								POS 68								
91	TUNING FREQUENCY (HIGH BYTE)									00-FF																
92	TUNING FREQUENCY (LOW BYTE)									00-FF						POS 69										
93	TUNING FREQUENCY (HIGH BYTE)									00-FF																
94	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 70									
95	TUNING FREQUENCY (HIGH BYTE)									00-FF																
96	TUNING FREQUENCY (LOW BYTE)									00-FF						POS 71										
97	TUNING FREQUENCY (HIGH BYTE)									00-FF																
98	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 72									
99	TUNING FREQUENCY (HIGH BYTE)									00-FF																
9A	TUNING FREQUENCY (LOW BYTE)									00-FF						POS 73										
9B	TUNING FREQUENCY (HIGH BYTE)									00-FF																
9C	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 74									
9D	TUNING FREQUENCY (HIGH BYTE)									00-FF																
9E	TUNING FREQUENCY (LOW BYTE)									00-FF						POS 75										
9F	TUNING FREQUENCY (HIGH BYTE)									00-FF																
A0	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 76									
A1	TUNING FREQUENCY (HIGH BYTE)									00-FF																
A2	TUNING FREQUENCY (LOW BYTE)									00-FF						POS 77										
A3	TUNING FREQUENCY (HIGH BYTE)									00-FF																
A4	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 78									
A5	TUNING FREQUENCY (HIGH BYTE)									00-FF																
A6	TUNING FREQUENCY (LOW BYTE)									00-FF						POS 79										
A7	TUNING FREQUENCY (HIGH BYTE)									00-FF																
A8	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 80									
A9	TUNING FREQUENCY (HIGH BYTE)									00-FF																
AA	TUNING FREQUENCY (LOW BYTE)									00-FF						POS 81										
AB	TUNING FREQUENCY (HIGH BYTE)									00-FF																
AC	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 82									
AD	TUNING FREQUENCY (HIGH BYTE)									00-FF																
AE	TUNING FREQUENCY (LOW BYTE)									00-FF						POS 83										
AF	TUNING FREQUENCY (HIGH BYTE)									00-FF																
B0	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 84									
B1	TUNING FREQUENCY (HIGH BYTE)									00-FF																
B2	TUNING FREQUENCY (LOW BYTE)									00-FF						POS 85										
B3	TUNING FREQUENCY (HIGH BYTE)									00-FF																
B4	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 86									
B5	TUNING FREQUENCY (HIGH BYTE)									00-FF																
B6	TUNING FREQUENCY (LOW BYTE)									00-FF						POS 87										
B7	TUNING FREQUENCY (HIGH BYTE)									00-FF																
B8	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 88									
B9	TUNING FREQUENCY (HIGH BYTE)									00-FF																
BA	TUNING FREQUENCY (LOW BYTE)									00-FF						POS 89										
BB	TUNING FREQUENCY (HIGH BYTE)									00-FF																
BC	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 90									
BD	TUNING FREQUENCY (HIGH BYTE)									00-FF																
BE	TUNING FREQUENCY (LOW BYTE)									00-FF						POS 91										
BF	TUNING FREQUENCY (HIGH BYTE)									00-FF																
MODEL									MODEL																	
LETTER NO									LETTER NO																	

21K-FD5RU

MEMORY MAP (Continued)

MODEL : IXB584WJZZ (GA5 TEXT)									SEM POD SOFTWARE GROUP				TV DESIGN ENGINEERING				TV PRODUCTION ENGINEERING			
EEPROM CHECK DATA LIST 4									ISSUED DATE :				ISSUED DATE :				ISSUED DATE :			
									MANAGER				MANAGER				MANAGER			
									CHIEF				CHIEF				CHIEF			
									ENGINEER		Lingla		ENGINEER				ENGINEER			
SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)																				
ADDRESS (HEX)	DATA								MICON DEFAULT	EEPROM RANGE	EEPROM WRITE(CPU)	CHASSIS		CTV FINAL		LAST INITIAL SETTING DATA	REMARK			
	D7	D6	D5	D4	D3	D2	D1	D0				CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE					
C0	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 92			
C1	TUNING FREQUENCY (HIGH BYTE)									00-FF										
C2	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 93			
C3	TUNING FREQUENCY (HIGH BYTE)									00-FF										
C4	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 94			
C5	TUNING FREQUENCY (HIGH BYTE)									00-FF										
C6	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 95			
C7	TUNING FREQUENCY (HIGH BYTE)									00-FF										
C8	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 96			
C9	TUNING FREQUENCY (HIGH BYTE)									00-FF										
CA	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 97			
CB	TUNING FREQUENCY (HIGH BYTE)									00-FF										
CC	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 98			
CD	TUNING FREQUENCY (HIGH BYTE)									00-FF										
CE	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 99			
CF	TUNING FREQUENCY (HIGH BYTE)									00-FF										
D0		FAVORITE CHANNEL 1							0A	00-65							POS 10			
D1		FAVORITE CHANNEL 2							14	00-65							POS 20			
D2		FAVORITE CHANNEL 3							1E	00-65							POS 30			
D3		FAVORITE CHANNEL 4							28	00-65							POS 40			
D4	POS 7	POS 6	POS 5	POS4	POS 3	POS 2	POS 1	POS 0	FF	00-FF							1= AFT ON, 0=AFT OFF			
D5	POS15	POS14	POS13	POS12	POS11	POS10	POS 9	POS 8	FF	00-FF										
D6	POS23	POS22	POS21	POS20	POS19	POS18	POS17	POS16	FF	00-FF										
D7	POS31	POS30	POS29	POS28	POS27	POS26	POS25	POS24	FF	00-FF										
D8	POS39	POS38	POS37	POS36	POS35	POS34	POS33	POS32	FF	00-FF										
D9	POS47	POS46	POS45	POS44	POS43	POS42	POS41	POS40	FF	00-FF										
DA	POS55	POS54	POS53	POS52	POS51	POS50	POS49	POS48	FF	00-FF										
DB	POS63	POS62	POS61	POS60	POS59	POS58	POS57	POS56	FF	00-FF										
DC	POS71	POS70	POS69	POS68	POS67	POS66	POS65	POS64	FF	00-FF										
DD	POS79	POS78	POS77	POS76	POS75	POS74	POS73	POS72	FF	00-FF										
DE	POS87	POS86	POS85	POS84	POS83	POS82	POS81	POS80	FF	00-FF										
DF	POS95	POS94	POS93	POS92	POS91	POS90	POS89	POS88	FF	00-FF										
E0					POS99	POS98	POS97	POS96	0F	00-0F										
E1	S-Booster (SOFT)	S-Booster (DYM)	ANR	LOCK TV	LOCK GAME	ANR		S-Booster (STD)	41	00-1F						S-Booster(SOFT)=F242 S-Booster(STD)=F243 S-Booster(DYM)=F244				
E2	Blue Back	1/2 digit	TEXT			LANGUAGE			41	00-FF										
E3	AV MODE			LAST VOLUME					40	00-BC						00 : STANDARD 01 : DYNAMIC 10 : SOFT				
E4	POS 7	POS 6	POS 5	POS4	POS 3	POS 2	POS 1	POS 0	01	00-FF							1= SKIP ON, 0=SKIP OFF			
E5	POS15	POS14	POS13	POS12	POS11	POS10	POS 9	POS 8	00	00-FF										
E6	POS23	POS22	POS21	POS20	POS19	POS18	POS17	POS16	00	00-FF										
E7	POS31	POS30	POS29	POS28	POS27	POS26	POS25	POS24	00	00-FF										
E8	POS39	POS38	POS37	POS36	POS35	POS34	POS33	POS32	00	00-FF										
E9	POS47	POS46	POS45	POS44	POS43	POS42	POS41	POS40	00	00-FF										
EA	POS55	POS54	POS53	POS52	POS51	POS50	POS49	POS48	00	00-FF										
EB	POS63	POS62	POS61	POS60	POS59	POS58	POS57	POS56	00	00-FF										
EC	POS71	POS70	POS69	POS68	POS67	POS66	POS65	POS64	00	00-FF										
ED	POS79	POS78	POS77	POS76	POS75	POS74	POS73	POS72	00	00-FF										
EE	POS87	POS86	POS85	POS84	POS83	POS82	POS81	POS80	00	00-FF										
EF	POS95	POS94	POS93	POS92	POS91	POS90	POS89	POS88	00	00-FF										
F0					POS99	POS98	POS97	POS96	00	00-0F										
F1	POWER								AA	AA(On), 55(Off)										
F2	ON TIMER VOLUME								FF	00-3C, FF										
F3	ON TIMER CHANNEL								FF	00-65, FF										
F4	SLV2 (HIGH)								00	00-FF										
F5	SLV2 (LOW)								00	00-FF										
F6	SLV4 (HIGH)								00	00-FF										
F7	SLV4 (LOW)								00	00-FF										
F8	SLV5 (HIGH)								00	00-FF										
F9	SLV5 (LOW)								00	00-FF										
FA	SLV6 (HIGH)								00	00-FF										
FB	SLV6 (LOW)								00	00-FF										
FC					Message Screen	Message Display	TV/AV		00	0(TV), 1(AV), 2(AV2)										
FD	LAST CHANNEL POSITION								01	00-63										
FE	FLASH BACK POSITION								01	00-FF										
FF																				
MODEL									MODEL											

4-5

### MEMORY MAP (Continued)

MODEL								MODEL								
LETTER NO								LETTER NO								

## MEMORY MAP (Continued)

MODEL : IXB584WJZZ (GA5 TEXT)								SEM PDD SOFTWARE GROUP		TV DESIGN ENGINEERING		TV PRODUCTION ENGINEERING																	
EEPROM CHECK DATA LIST 7								ISSUED DATE :		ISSUED DATE :		ISSUED DATE :																	
								MANAGER		MANAGER		MANAGER																	
								CHIEF		CHIEF		CHIEF																	
								ENGINEER	Lingjia	ENGINEER		ENGINEER																	
SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)																													
ADDRESS (HEX)	DATA							MICON DEFAULT	EEPROM RANGE	EEPROM WRITE(CPU)	CHASSIS		CTV FINAL		LAST INITIAL SETTING DATA	REMARK													
D7	D6	D5	D4	D3	D2	D1	D0				CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE															
180		AUTO-SCM-KIL-AV-YUV (F52)					AUTO-SCM-KIL-TV (F51)	11	00-33																				
181		FORCE-SCM-KIL-AV-YUV (F54)					FORCE-SCM-KIL-TV (F53)	22	00-33																				
182		ID RCV TIME (F59)					ID ATK TIME (F58)	30	00-33																				
183		KILLER RCV TIME (F62)					KILLER ATK TIME (F61)	12	00-33																				
184							SBF WIDE_574 (F262)	00	00-03																				
185		GAMMA (F79)					G-Y GAIN (F78)	23	00-33																				
186		OSD BRT LIMIT (F81)					BLUE ST (F80)	01	00-33																				
187		ABL TH (F83)					OSD CONT LIMIT (F82)	02	00-73																				
188		DC TRAN GAIN (F86)					ABL GAIN (F84)	00	00-F7																				
189		AUTO SLICE LVL-AV (F89)					AUTO SLICE LVL-TV (F88)	33	00-FF																				
18A		AS GAIN-TV (F91)					AUTO SLICE LVL-YUV (F90)	03	00-3F																				
18B		AS GAIN-YUV (F93)					AS GAIN-AV (F92)	00	00-33																				
18C		V SYNC DET-AV (F95)					V SYNC DET-TV (F94)	00	00-77																				
18D		C SYNC LPF ( F103)					V SYNC DET-YUV (F96)	00	00-37																				
18E		V SYNC LPF2 ( F105)					V SYNC LPF1 ( F104)	30	00-33																				
18F		AFC1 GAIN AV (F107)					AFC1 GAIN TV (F106)	44	00-77																				
190		AFC2 GAIN UP-TV (F109)					AFC1 GAIN YUV (F108)	04	00-37																				
191		AFC2 GAIN UP-YUV (F111)					AFC2 GAIN UP-AV (F110)	00	00-33																				
192		SUB-BASS (F138)					VRAMP LPF ADJ (F122)	60	00-77																				
193		ACG-ADJ (F140)					SUB-TREB (F139)	33	00-77																				
194		FM-ID-SPEED (F152)					IGR-GAIN-ADJUST (F150)	16	00-3F																				
195		COREL YNR2 (F169)					COREL YNR1 (F168)	C9	00-FF																				
196		H COEF1 TV (F171)					COREL YNR3 (F170)	3F	00-7F																				
197		H COEF3 TV (F173)					H COEF2 TV (F172)	12	00-77																				
198		SF COEF2 TV (F175)					SF COEF1 TV (F174)	46	00-77																				
199		SG COEF1 TV (F177)					SF COEF3 TV (F176)	13	00-77																				
19A		SG COEF3 TV (F179)					SG COEF2 TV (F178)	43	00-77																				
19B		VC COEF2 TV (F181)					VC COEF1 TV (F180)	22	00-77																				
19C		VD COEF1 TV (F183)					VC COEF3 TV (F182)	52	00-77																				
19D		VD COEF3 TV (F185)					VD COEF2 TV (F184)	55	00-77																				
19E		H COEF2 AV (F187)					H COEF1 AV (F186)	46	00-77																				
19F		SF COEF1 AV (F189)					H COEF3 AV (F188)	62	00-77																				
1A0		SF COEF3 AV (F191)					SF COEF2 AV (F190)	34	00-77																				
1A1		SG COEF2 AV (F193)					SG COEF1 AV (F192)	31	00-77																				
1A2		VC COEF1 AV (F195)					SG COEF3 AV (F194)	34	00-77																				
1A3		VC COEF3 AV (F197)					VC COEF2 AV (F196)	33	00-77																				
1A4		VD COEF2 AV (F199)					VD COEF1 AV (F198)	44	00-77																				
1A5		H COEF1 YUV (F201)					VD COEF3 AV (F200)	64	00-77																				
1A6		H COEF3 YUV (F203)					H COEF2 YUV (F202)	24	00-77																				
1A7		SF COEF2 YUV (F205)					SF COEF1 YUV (F204)	46	00-77																				
1A8		SG COEF1 YUV (F207)					SF COEF3 YUV (F206)	13	00-77																				
1A9		SG COEF3 YUV (F209)					SG COEF2 YUV (F208)	43	00-77																				
1AA		VC COEF2 YUV (F211)					VC COEF1 YUV (F210)	43	00-77																				
1AB		VD COEF1 YUV (F213)					VC COEF3 YUV (F212)	43	00-77																				
1AC		VD COEF3 YUV (F215)					VD COEF2 YUV (F214)	43	00-77																				
1AD		NOISE DET SENSE (F217)					NOISE BPF SEL (F216)	01	00-33																				
1AE		SIF BPF SEL (F219)					NOISE DET LINE (F218)	00	00-33																				
1AF		SURR SOFT (F233)					SIF DET SENSE (F220)	00	00-33																				
1B0		SURR DYM (F235)					SURR STD (F234)	00	00-33																				
1B1		FH_JUDGE (F257)					PXG_HDDL(Y255)	00	00-3F																				
1B2		RC_RESET_SEL (F259)					RC_DLY_SEL (F258)	00	00-33																				
1B3		TV AUDIO ATT (F06)						5F	00-7F																				
1B4		SHP-OV-P (F24)						1F	00-3E																				
1B5		SHP-OV-S (F25)						1A	00-3E																				
1B6		SHP-OV-N4 (F26)						1F	00-3E																				
1B7		SHP-OV-N3 (F27)						1F	00-3E																				
1B8		SHP-OV-AV (F28)						24	00-3E																				
1B9		SHP-OV-YUV (F29)						24	00-3E																				
1BA		SHP-PRE-P (F30)						15	00-3E																				
1BB		SHP-PRE-S (F31)						10	00-3E																				
1BC		SHP-PRE-N4 (F32)						15	00-3E																				
1BD		SHP-PRE-N3 (F33)						15	00-3E																				
1BE		SHP-PRE-AV (F34)						24	00-3E																				
1BF		SHP-PRE-YUV (F35)						1A	00-3E																				
MODEL								MODEL																					



### MEMORY MAP (Continued)

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## MEMORY MAP (Continued)

MODEL : IXB584WJZZ (GA5 TEXT)								SEM PDD SOFTWARE GROUP		TV DESIGN ENGINEERING		TV PRODUCTION ENGINEERING							
EEPROM CHECK DATA LIST 9								ISSUED DATE :		ISSUED DATE :		ISSUED DATE :							
								MANAGER		MANAGER		MANAGER							
								CHIEF		CHIEF		CHIEF							
								ENGINEER		ENGINEER		ENGINEER							
								Lingjia											
SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)																			
ADDRESS (HEX)	DATA							MICON DEFAULT	EEPROM RANGE	EEPROM WRITE(CPU)	CHASSIS		CTV FINAL		LAST INITIAL	REMARK			
	D7	D6	D5	D4	D3	D2	D1	D0			CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA				
200					COL SOFT (F227)				1E	00-3C									
201					COL STD (F228)				1E	00-3C									
202					COL DYM (F229)				28	00-3C									
203					SHARP SOFT (F230)				14	00-3C									
204					SHARP STD (F231)				1E	00-3C									
205					SHARP DYM (F232)				23	00-3C									
206					TREBLE SOFT (F236)				14	00-3C									
207					TREBLE STD (F237)				1E	00-3C									
208					TREBLE DYM (F238)				23	00-3C									
209					BASS SOFT (F239)				19	00-3C									
20A					BASS STD (F240)				1E	00-3C									
20B					BASS DYM (F241)				28	00-3C									
20C					AC-FAIL-WO-Bright (F245)				FF	00-FF									
20D					WO-Bright-after-WO-TIME (F246)				FF	00-FF									
20E					WO-CONTRAST-after-WO-TIME (F247)				7F	00-7F									
20F					WO-Bright-before-WO-TIME (F248)				FF	00-FF									
210					WO-CONTRAST-before-WO-TIME (F249)				7F	00-7F									
211					WO-TIME (F250)				00	00-1F									
212					BASS OFFSET (F251)				1E	00-3C									
213					TREBLE OFFSET (F252)				1E	00-3C									
214					U OFFSET-Black&White Signal or YUV (F75)				7F	00-FF									
215					V OFFSET-Black&White Signal or YUV (F76)				7F	00-FF									
216					U OFFSET-PAL (F263)				7F	00-FF									
217					V OFFSET-PAL (F264)				7F	00-FF									
218					U OFFSET-N358 (F265)				7F	00-FF									
219					V OFFSET-N358 (F266)				7F	00-FF									
21A					U OFFSET-N443 (F267)				7F	00-FF									
21B					V OFFSET-N443 (F268)				7F	00-FF									
21C					U OFFSET-SECAM (F269)				7F	00-FF									
21D					V OFFSET-SECAM (F270)				7F	00-FF									
21E					AFC1 GAIN-NOSYNC(F274)				00	00-07									
21F					RF-AGC WAIT TIME( F275 )				00	00-7F									
220					PAL/SECAM TINT( F276 )				3F	00-7F									
221																			
222																			
223					PassWord 1st Digit			PassWord 2nd Digit	00	00-99									
224					PassWord 3rd Digit			PassWord 4th Digit	00	00-99									
225																			
226					B-CUT YUV<DB> (V00)	G-CUT YUV<DB> (V00)	R-CUT YUV<DB> (V00)	B-CUT<DB> (V00)	G-CUT<DB> (V00)	R-CUT<DB> (V00)									
227					R-DRIVE (V00)				1F	00-7F									
228					B-DRIVE (V00)				1F	00-7F									
229					R-CUTOFF (V00)				5F	00-FF									
22A					G-CUTOFF (V00)				5F	00-FF									
22B					B-CUTOFF (V00)				5F	00-FF									
22C					RF-AGC (V01)				32	00-7F									
22D					VIF-VCO (V02)				3F	00-7F									
22E								H-VCO (V03)	07	00-0F									
22F					SUB CONTRAST (V04)				41	00-7F									
230					SUB COLOUR (V05)				3F	00-7F									
231					SUB BRIGHTNESS (V06)				4B	00-FF									
232					SUB TINT (V07)				3F	00-7F									
233					SUB SHARPNESS (V08)				2C	00-3F									
234					SUB-COLOUR-YUV (V09)				37	00-7F									
235					SUB-TINT-YUV (V10)				3F	00-7F									
236					V-SIZE-50Hz (V11)				26	00-3F									
237								V-SHIFT-50Hz (V12)	07	00-0F									
238					H-SHIFT-50Hz (V13)				3F	00-7F									
239					SECAM BR (V14)				7F	00-FF									
23A					SECAM BB (V15)				7F	00-FF									
23B					SUB VOLUME (V16)				3C	00-3C									
23C					V-SIZE-60Hz (V17)				22	00-3E									
23D								V-SHIFT-60Hz (V18)	04	00-0E									
23E					H-SHIFT-60Hz (V19)				0B	00-1E									
23F					S-TRAP-BG (V20)				0F	00-1F									
MODEL								MODEL											
LETTER NO.								LETTER NO.											

MODEL : IXB584WJZZ (GA5 TEXT)									SEM PDD SOFTWARE GROUP			TV DESIGN ENGINEERING			TV PRODUCTION ENGINEERING					
EEPROM CHECK DATA LIST 10									ISSUED DATE :			ISSUED DATE :			ISSUED DATE :					
									MANAGER				MANAGER				MANAGER			
									CHIEF				CHIEF				CHIEF			
									ENGINEER				ENGINEER				ENGINEER			
									Lingjia											
SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)																				
ADDRESS (HEX)	DATA								MICON DEFAULT	EEPROM RANGE	EEPROM WRITE(CPU)	CHASSIS		CTV FINAL		LAST INITIAL SETTING DATA	REMARK			
	D7	D6	D5	D4	D3	D2	D1	D0				CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE					
240				S-TRAP-I (V21)					0F	00-1F										
241				S-TRAP-DK (V22)					0F	00-1F										
242				S-TRAP-M (V23)					0F	00-1F										
243				S-TRAP-574 (V24)					0F	00-1F										
244				R-DRIVE YUV (V25)					1F	00-7F										
245				B-DRIVE YUV (V25)					1F	00-7F										
246				R-CUTOFF YUV (V25)					5F	00-FF										
247				G-CUTOFF YUV (V25)					5F	00-FF										
248				B-CUTOFF YUV (V25)					5F	00-FF										
249				SUB CONTRAST YUV (V26)					41	00-7F										
24A				SUB BRIGHTNESS YUV (V27)					4B	00-FF										
24B				VS-CORRECT (V28)					1F	00-3F										
24C				VS-CORRECT OFFSET (V29)					0F	00-1A										
24D				V-LINEARITY (V30)					1F	00-3F										
24E				V-LINEARITY OFFSET (V31)					0F	00-1A										
24F				SOFT CONTRAST					1E	00-3C						F221				
250				SOFT COLOUR					1E	00-3C						F227				
251				SOFT BRIGHTNESS					1E	00-3C						F224				
252				SOFT TINT					1E	00-3C										
253				SOFT SHARPNESS					14	00-3C						F230				
254							SOFT WHITE TEMP.		01	00-02										
255							SOFT SURROUND MODE		00	00-02						F233				
256				SOFT TREBLE					14	00-3C						F236				
257				SOFT BASS					19	00-3C						F239				
258				SOFT BALANCE					1E	00-3C										
259				STD CONTRAST					32	00-3C						F222				
25A				STD COLOUR					1E	00-3C						F228				
25B				STD BRIGHTNESS					1E	00-3C						F225				
25C				STD TINT					1E	00-3C										
25D				STD SHARPNESS					1E	00-3C						F231				
25E							STD WHITE TEMP.		01	00-02										
25F							STD SURROUND MODE		00	00-02						F234				
260				STD TREBLE					1E	00-3C						F237				
261				STD BASS					1E	00-3C						F240				
262				STD BALANCE					1E	00-3C										
263				DYM CONTRAST					3C	00-3C						F223				
264				DYM COLOUR					28	00-3C						F229				
265				DYM BRIGHTNESS					1E	00-3C						F226				
266				DYM TINT					1E	00-3C										
267				DYM SHARPNESS					23	00-3C						F232				
268							DYM WHITE TEMP.		01	00-02										
269							DYM SURROUND MODE		00	00-02						F235				
26A				DYM TREBLE					23	00-3C						F238				
26B				DYM BASS					28	00-3C						F241				
26C				DYM BALANCE					1E	00-3C										
26D							IPXG MODE		04	0(off), 1(1), 2(2), 3(3), 4(auto)										
26E				IPXG LEV N L					1E	00-FF										
26F				IPXG LEV N H					5A	00-FF										
270				IPXG LEV S L					3F	00-FF										
271				IPXG LEV S H					8C	00-FF										
272				IPXG COUNT					0A	00-FF										
273																				
274	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF						POS 0				
275	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF						POS 1				
276	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF						POS 2				
277	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF						POS 3				
278	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF						POS 4				
279	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF						POS 5				
27A	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF						POS 6				
27B	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF						POS 7				
27C	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF						POS 8				
27D	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF						POS 9				
27E	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF						POS 10				
27F	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF						POS 11				
MODEL									MODEL											
LETTER NO.									LETTER NO.											

## MEMORY MAP (Continued)

MODEL : IXB584WJZZ (GA5 TEXT)										SEM PDD SOFTWARE GROUP			TV DESIGN ENGINEERING			TV PRODUCTION ENGINEERING		
EEPROM CHECK DATA LIST 11										ISSUED DATE :22 Feb 2005			ISSUED DATE :			ISSUED DATE :		
										MANAGER			MANAGER			MANAGER		
										CHIEF			CHIEF			CHIEF		
										ENGINEER			ENGINEER			ENGINEER		
										Lingjia								
SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)																		
ADDRESS (HEX)	DATA								MICON DEFAULT	EEPROM RANGE	EEPROM WRITE(CPU)	CHASSIS		CTV/FINAL		LAST INITIAL SETTING DATA	REMARK	
D7	D6	D5	D4	D3	D2	D1	D0					CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE			
280	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF							POS 12	
281	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF							POS 13	
282	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF							POS 14	
283	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF							POS 15	
284	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF							POS 16	
285	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF							POS 17	
286	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF							POS 18	
287	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF							POS 19	
288	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF							POS 20	
289	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF							POS 21	
28A	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF							POS 22	
28B	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF							POS 23	
28C	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF							POS 24	
28D	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	0-FF							POS 25	
28E	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	0-FF							POS 26	
28F	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	0-FF							POS 27	
290	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	0-FF							POS 28	
291	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	0-FF							POS 29	
292	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	0-FF							POS 30	
293	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	0-FF							POS 31	
294	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	0-FF							POS 32	
295	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	0-FF							POS 33	
296	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	0-FF							POS 34	
297	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	0-FF							POS 35	
298	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	0-FF							POS 36	
299	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	0-FF							POS 37	
29A	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	0-FF							POS 38	
29B	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	0-FF							POS 39	
29C	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	0-FF							POS 40	
29D	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	0-FF							POS 41	
29E	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	0-FF							POS 42	
29F	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	0-FF							POS 43	
2A0	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	0-FF							POS 44	
2A1	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	0-FF							POS 45	
2A2	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	0-FF							POS 46	
2A3	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	0-FF							POS 47	
2A4	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	0-FF							POS 48	
2A5	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	0-FF							POS 49	
2A6	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	0-FF							POS 50	
2A7	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	0-FF							POS 51	
2A8	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	0-FF							POS 52	
2A9	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	0-FF							POS 53	
2AA	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	0-FF							POS 54	
2AB	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	0-FF							POS 55	
2AC	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	0-FF							POS 56	
2AD	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	0-FF							POS 57	
2AE	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	0-FF							POS 58	
2AF	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	0-FF							POS 59	
2B0	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	0-FF							POS 60	
2B1	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	0-FF							POS 61	
2B2	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	0-FF							POS 62	
2B3	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	0-FF							POS 63	
2B4	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF							POS 64	
2B5	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF							POS 65	
2B6	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF							POS 66	
2B7	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF							POS 67	
2B8	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF							POS 68	
2B9	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF							POS 69	
2BA	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF							POS 70	
2BB	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF							POS 71	
2BC	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF							POS 72	
2BD	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF							POS 73	
2BE	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF							POS 74	
2BF	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF							POS 75	
MODEL										MODEL								
LETTER NO.										LETTER NO.								

MODEL : IXB584WJZZ (GA5 TEXT)									SEM PDD SOFTWARE GROUP			TV DESIGN ENGINEERING			TV PRODUCTION ENGINEERING			
EEPROM CHECK DATA LIST 12									ISSUED DATE :			ISSUED DATE :			ISSUED DATE :			
									MANAGER			MANAGER			MANAGER			
									CHIEF			CHIEF			CHIEF			
									ENGINEER			ENGINEER			ENGINEER			
									Lingjie									
SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)																		
ADDRESS (HEX)	DATA								MICON DEFAULT	EEPROM RANGE	EEPROM WRITE(CPU)	CHASSIS		CTV FINAL		LAST INITIAL SETTING DATA	REMARK	
	D7	D6	D5	D4	D3	D2	D1	D0				CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE			
2C0	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF						POS 76		
2C1	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF						POS 77		
2C2	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF						POS 78		
2C3	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF						POS 79		
2C4	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF						POS 80		
2C5	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF						POS 81		
2C6	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF						POS 82		
2C7	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF						POS 83		
2C8	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF						POS 84		
2C9	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF						POS 85		
2CA	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF						POS 86		
2CB	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF						POS 87		
2CC	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF						POS 88		
2CD	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF						POS 89		
2CE	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF						POS 90		
2CF	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF						POS 91		
2D0	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF						POS 92		
2D1	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF						POS 93		
2D2	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF						POS 94		
2D3	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF						POS 95		
2D4	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF						POS 96		
2D5	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF						POS 97		
2D6	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF						POS 98		
2D7	A2 FM	A2 ST	A2 BIL1	NCM FM	NCM MONO	NCM ST	NCM BIL2	NCM BIL1	4C	00-FF						POS 99		
2D8	ROM CORRECTION-1 HIGH BYTE ADDRESS				ROM CORRECTION-1 ID					00-FF						Valid (*A)		
2D9	ROM CORRECTION-1 MIDDLE BYTE ADDRESS									00-FF								
2DA	ROM CORRECTION-1 LOW BYTE ADDRESS									00-FF								
2DB	ROM CORRECTION-1 DATA LENGTH									00-FF								
2DC	ROM CORRECTION-1 CHECKSUM									00-FF								
2DD	ROM CORRECTION-2 HIGH BYTE ADDRESS				ROM CORRECTION-2 ID					00-FF						Valid (*A)		
2DE	ROM CORRECTION-2 MIDDLE BYTE ADDRESS									00-FF								
2DF	ROM CORRECTION-2 LOW BYTE ADDRESS									00-FF								
2E0	ROM CORRECTION-2 DATA LENGTH									00-FF								
2E1	ROM CORRECTION-2 CHECKSUM									00-FF								
2E2	ROM CORRECTION-3 HIGH BYTE ADDRESS				ROM CORRECTION-3 ID					00-FF						Valid (*A)		
2E3	ROM CORRECTION-3 MIDDLE BYTE ADDRESS									00-FF								
2E4	ROM CORRECTION-3 LOW BYTE ADDRESS									00-FF								
2E5	ROM CORRECTION-3 DATA LENGTH									00-FF								
2E6	ROM CORRECTION-3 CHECKSUM									00-FF								
2E7	ROM CORRECTION-4 HIGH BYTE ADDRESS				ROM CORRECTION-4 ID					00-FF						Valid (*A)		
2E8	ROM CORRECTION-4 MIDDLE BYTE ADDRESS									00-FF								
2E9	ROM CORRECTION-4 LOW BYTE ADDRESS									00-FF								
2EA	ROM CORRECTION-4 DATA LENGTH									00-FF								
2EB	ROM CORRECTION-4 CHECKSUM									00-FF								
2EC	ROM CORRECTION-5 HIGH BYTE ADDRESS				ROM CORRECTION-5 ID					00-FF						Valid (*A)		
2ED	ROM CORRECTION-5 MIDDLE BYTE ADDRESS									00-FF								
2EE	ROM CORRECTION-5 LOW BYTE ADDRESS									00-FF								
2EF	ROM CORRECTION-5 DATA LENGTH									00-FF								
2F0	ROM CORRECTION-5 CHECKSUM									00-FF								
2F1	ROM CORRECTION-6 HIGH BYTE ADDRESS				ROM CORRECTION-6 ID					00-FF						Valid (*A)		
2F2	ROM CORRECTION-6 MIDDLE BYTE ADDRESS									00-FF								
2F3	ROM CORRECTION-6 LOW BYTE ADDRESS									00-FF								
2F4	ROM CORRECTION-6 DATA LENGTH									00-FF								
2F5	ROM CORRECTION-6 CHECKSUM									00-FF								
2F6	ROM CORRECTION-7 HIGH BYTE ADDRESS				ROM CORRECTION-7 ID					00-FF						Valid (*A)		
2F7	ROM CORRECTION-7 MIDDLE BYTE ADDRESS									00-FF								
2F8	ROM CORRECTION-7 LOW BYTE ADDRESS									00-FF								
2F9	ROM CORRECTION-7 DATA LENGTH									00-FF								
2FA	ROM CORRECTION-7 CHECKSUM									00-FF								
2FB	ROM CORRECTION-8 HIGH BYTE ADDRESS				ROM CORRECTION-8 ID					00-FF						Valid (*A)		
2FC	ROM CORRECTION-8 MIDDLE BYTE ADDRESS									00-FF								
2FD	ROM CORRECTION-8 LOW BYTE ADDRESS									00-FF								
2FE	ROM CORRECTION-8 DATA LENGTH									00-FF								
2FF	ROM CORRECTION-8 CHECKSUM									00-FF								
MODEL									MODEL									
LETTER NO.									LETTER NO.									

## MEMORY MAP (Continued)

MODEL : IXB584WJZZ (GA5 TEXT)									SEM PDD SOFTWARE GROUP		TV DESIGN ENGINEERING		TV PRODUCTION ENGINEERING				
EEPROM CHECK DATA LIST 13									ISSUED DATE :		ISSUED DATE :		ISSUED DATE :				
									MANAGER		MANAGER		MANAGER				
									CHIEF		CHIEF		CHIEF				
									ENGINEER		ENGINEER		ENGINEER				
									Lingjia								
SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)																	
ADDRESS (HEX)	DATA								MICON DEFAULT	EEPROM RANGE	EEPROM WRITE(CPU)	CHASSIS		CTV FINAL		LAST INITIAL SETTING DATA	REMARK
	D7	D6	D5	D4	D3	D2	D1	D0				CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE		
300										00-FF							
301										00-FF							
302										00-FF							
303										00-FF							
304										00-FF							
305										00-FF							
306										00-FF							
307										00-FF							
308										00-FF							
309										00-FF							
30A										00-FF							
30B										00-FF							
30C										00-FF							
30D										00-FF							
30E										00-FF							
30F										00-FF							
310										00-FF							
311										00-FF							
312										00-FF							
313										00-FF							
314										00-FF							
315										00-FF							
316										00-FF							
317										00-FF							
318										00-FF							
319										00-FF							
31A										00-FF							
31B										00-FF							
31C										00-FF							
31D										00-FF							
31E										00-FF							
31F										00-FF							
320										00-FF							
321										00-FF							
322										00-FF							
323										00-FF							
324										00-FF							
325										00-FF							
326										00-FF							
327										00-FF							
328										00-FF							
329										00-FF							
32A										00-FF							
32B										00-FF							
32C										00-FF							
32D										00-FF							
32E										00-FF							
32F										00-FF							
330										00-FF							
331										00-FF							
332										00-FF							
333										00-FF							
334										00-FF							
335										00-FF							
336										00-FF							
337										00-FF							
338										00-FF							
339										00-FF							
33A										00-FF							
33B										00-FF							
33C										00-FF							
33D										00-FF							
33E										00-FF							
33F										00-FF							
MODEL									MODEL								
LETTER NO.									LETTER NO.								

MODEL : IXB584WJZZ (GA5 TEXT)									SEM PDD SOFTWARE GROUP			TV DESIGN ENGINEERING			TV PRODUCTION ENGINEERING		
EEPROM CHECK DATA LIST 14									ISSUED DATE :			ISSUED DATE :			ISSUED DATE :		
									MANAGER			MANAGER			MANAGER		
									CHIEF			CHIEF			CHIEF		
									ENGINEER			ENGINEER			ENGINEER		
									Lingjia								
SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)																	
ADDRESS (HEX)	DATA								MICON DEFAULT	EEPROM RANGE	EEPROM WRITE(CPU)	CHASSIS		CTV FINAL		LAST INITIAL SETTING DATA	REMARK
	D7	D6	D5	D4	D3	D2	D1	D0				CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE		
340				ROM CORRECTION-3 CODE						00-FF							
341				ROM CORRECTION-3 CODE						00-FF							
342				ROM CORRECTION-3 CODE						00-FF							
343				ROM CORRECTION-3 CODE						00-FF							
344				ROM CORRECTION-3 CODE						00-FF							
345				ROM CORRECTION-3 CODE						00-FF							
346				ROM CORRECTION-3 CODE						00-FF							
347				ROM CORRECTION-3 CODE						00-FF							
348				ROM CORRECTION-3 CODE						00-FF							
349				ROM CORRECTION-3 CODE						00-FF							
34A				ROM CORRECTION-3 CODE						00-FF							
34B				ROM CORRECTION-3 CODE						00-FF							
34C				ROM CORRECTION-3 CODE						00-FF							
34D				ROM CORRECTION-3 CODE						00-FF							
34E				ROM CORRECTION-3 CODE						00-FF							
34F				ROM CORRECTION-3 CODE						00-FF							
350				ROM CORRECTION-3 CODE						00-FF							
351				ROM CORRECTION-3 CODE						00-FF							
352				ROM CORRECTION-3 CODE						00-FF							
353				ROM CORRECTION-3 CODE						00-FF							
354				ROM CORRECTION-3 CODE						00-FF							
355				ROM CORRECTION-3 CODE						00-FF							
356				ROM CORRECTION-3 CODE						00-FF							
357				ROM CORRECTION-3 CODE						00-FF							
358				ROM CORRECTION-3 CODE						00-FF							
359				ROM CORRECTION-3 CODE						00-FF							
35A				ROM CORRECTION-3 CODE						00-FF							
35B				ROM CORRECTION-3 CODE						00-FF							
35C				ROM CORRECTION-3 CODE						00-FF							
35D				ROM CORRECTION-3 CODE						00-FF							
35E				ROM CORRECTION-3 CODE						00-FF							
35F				ROM CORRECTION-3 CODE						00-FF							
360				ROM CORRECTION-4 CODE						00-FF							
361				ROM CORRECTION-4 CODE						00-FF							
362				ROM CORRECTION-4 CODE						00-FF							
363				ROM CORRECTION-4 CODE						00-FF							
364				ROM CORRECTION-4 CODE						00-FF							
365				ROM CORRECTION-4 CODE						00-FF							
366				ROM CORRECTION-4 CODE						00-FF							
367				ROM CORRECTION-4 CODE						00-FF							
368				ROM CORRECTION-4 CODE						00-FF							
369				ROM CORRECTION-4 CODE						00-FF							
36A				ROM CORRECTION-4 CODE						00-FF							
36B				ROM CORRECTION-4 CODE						00-FF							
36C				ROM CORRECTION-4 CODE						00-FF							
36D				ROM CORRECTION-4 CODE						00-FF							
36E				ROM CORRECTION-4 CODE						00-FF							
36F				ROM CORRECTION-4 CODE						00-FF							
370				ROM CORRECTION-4 CODE						00-FF							
371				ROM CORRECTION-4 CODE						00-FF							
372				ROM CORRECTION-4 CODE						00-FF							
373				ROM CORRECTION-4 CODE						00-FF							
374				ROM CORRECTION-4 CODE						00-FF							
375				ROM CORRECTION-4 CODE						00-FF							
376				ROM CORRECTION-4 CODE						00-FF							
377				ROM CORRECTION-4 CODE						00-FF							
378				ROM CORRECTION-4 CODE						00-FF							
379				ROM CORRECTION-4 CODE						00-FF							
37A				ROM CORRECTION-4 CODE						00-FF							
37B				ROM CORRECTION-4 CODE						00-FF							
37C				ROM CORRECTION-4 CODE						00-FF							
37D				ROM CORRECTION-4 CODE						00-FF							
37E				ROM CORRECTION-4 CODE						00-FF							
37F				ROM CORRECTION-4 CODE						00-FF							
MODEL									MODEL								

## MEMORY MAP (Continued)

MODEL : IXB584WJZZ (GA5 TEXT)									SEM PDD SOFTWARE GROUP			TV DESIGN ENGINEERING			TV PRODUCTION ENGINEERING		
EEPROM CHECK DATA LIST 15									ISSUED DATE :			ISSUED DATE :			ISSUED DATE :		
									MANAGER			MANAGER			MANAGER		
									CHIEF			CHIEF			CHIEF		
									ENGINEER			ENGINEER			ENGINEER		
									Lingjia								
SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)																	
ADDRESS (HEX)	DATA								MICON DEFAULT	EEPROM RANGE	EEPROM WRITE(CPU)	CHASSIS		CTV FINAL		LAST INITIAL SETTING DATA	REMARK
	D7	D6	D5	D4	D3	D2	D1	D0				CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE		
380				ROM CORRECTION-5 CODE						00-FF							
381				ROM CORRECTION-5 CODE						00-FF							
382				ROM CORRECTION-5 CODE						00-FF							
383				ROM CORRECTION-5 CODE						00-FF							
384				ROM CORRECTION-5 CODE						00-FF							
385				ROM CORRECTION-5 CODE						00-FF							
386				ROM CORRECTION-5 CODE						00-FF							
387				ROM CORRECTION-5 CODE						00-FF							
388				ROM CORRECTION-5 CODE						00-FF							
389				ROM CORRECTION-5 CODE						00-FF							
38A				ROM CORRECTION-5 CODE						00-FF							
38B				ROM CORRECTION-5 CODE						00-FF							
38C				ROM CORRECTION-5 CODE						00-FF							
38D				ROM CORRECTION-5 CODE						00-FF							
38E				ROM CORRECTION-5 CODE						00-FF							
38F				ROM CORRECTION-5 CODE						00-FF							
390				ROM CORRECTION-5 CODE						00-FF							
391				ROM CORRECTION-5 CODE						00-FF							
392				ROM CORRECTION-5 CODE						00-FF							
393				ROM CORRECTION-5 CODE						00-FF							
394				ROM CORRECTION-5 CODE						00-FF							
395				ROM CORRECTION-5 CODE						00-FF							
396				ROM CORRECTION-5 CODE						00-FF							
397				ROM CORRECTION-5 CODE						00-FF							
398				ROM CORRECTION-5 CODE						00-FF							
399				ROM CORRECTION-5 CODE						00-FF							
39A				ROM CORRECTION-5 CODE						00-FF							
39B				ROM CORRECTION-5 CODE						00-FF							
39C				ROM CORRECTION-5 CODE						00-FF							
39D				ROM CORRECTION-5 CODE						00-FF							
39E				ROM CORRECTION-5 CODE						00-FF							
39F				ROM CORRECTION-5 CODE						00-FF							
3A0				ROM CORRECTION-6 CODE						00-FF							
3A1				ROM CORRECTION-6 CODE						00-FF							
3A2				ROM CORRECTION-6 CODE						00-FF							
3A3				ROM CORRECTION-6 CODE						00-FF							
3A4				ROM CORRECTION-6 CODE						00-FF							
3A5				ROM CORRECTION-6 CODE						00-FF							
3A6				ROM CORRECTION-6 CODE						00-FF							
3A7				ROM CORRECTION-6 CODE						00-FF							
3A8				ROM CORRECTION-6 CODE						00-FF							
3A9				ROM CORRECTION-6 CODE						00-FF							
3AA				ROM CORRECTION-6 CODE						00-FF							
3AB				ROM CORRECTION-6 CODE						00-FF							
3AC				ROM CORRECTION-6 CODE						00-FF							
3AD				ROM CORRECTION-6 CODE						00-FF							
3AE				ROM CORRECTION-6 CODE						00-FF							
3AF				ROM CORRECTION-6 CODE						00-FF							
3B0				ROM CORRECTION-6 CODE						00-FF							
3B1				ROM CORRECTION-6 CODE						00-FF							
3B2				ROM CORRECTION-6 CODE						00-FF							
3B3				ROM CORRECTION-6 CODE						00-FF							
3B4				ROM CORRECTION-6 CODE						00-FF							
3B5				ROM CORRECTION-6 CODE						00-FF							
3B6				ROM CORRECTION-6 CODE						00-FF							
3B7				ROM CORRECTION-6 CODE						00-FF							
3B8				ROM CORRECTION-6 CODE						00-FF							
3B9				ROM CORRECTION-6 CODE						00-FF							
3BA				ROM CORRECTION-6 CODE						00-FF							
3BB				ROM CORRECTION-6 CODE						00-FF							
3BC				ROM CORRECTION-6 CODE						00-FF							
3BD				ROM CORRECTION-6 CODE						00-FF							
3BE				ROM CORRECTION-6 CODE						00-FF							
3BF				ROM CORRECTION-6 CODE						00-FF							
MODEL									MODEL								



MODEL : IXB584WJZZ (GA5 TEXT)									SEM PDD SOFTWARE GROUP			TV DESIGN ENGINEERING			TV PRODUCTION ENGINEERING		
EEPROM CHECK DATA LIST 16									ISSUED DATE :			ISSUED DATE :			ISSUED DATE :		
									MANAGER			MANAGER			MANAGER		
									CHIEF			CHIEF			CHIEF		
									ENGINEER		Lingjia	ENGINEER			ENGINEER		
SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)																	
ADDRESS (HEX)	DATA								MICON DEFAULT	EEPROM RANGE	EEPROM WRITE(CPU)	CHASSIS		CTV FINAL		LAST INITIAL SETTING DATA	REMARK
	D7	D6	D5	D4	D3	D2	D1	D0				CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE		
3C0										00-FF							
3C1										00-FF							
3C2										00-FF							
3C3										00-FF							
3C4										00-FF							
3C5										00-FF							
3C6										00-FF							
3C7										00-FF							
3C8										00-FF							
3C9										00-FF							
3CA										00-FF							
3CB										00-FF							
3CC										00-FF							
3CD										00-FF							
3CE										00-FF							
3CF										00-FF							
3D0										00-FF							
3D1										00-FF							
3D2										00-FF							
3D3										00-FF							
3D4										00-FF							
3D5										00-FF							
3D6										00-FF							
3D7										00-FF							
3D8										00-FF							
3D9										00-FF							
3DA										00-FF							
3DB										00-FF							
3DC										00-FF							
3DD										00-FF							
3DE										00-FF							
3DF										00-FF							
3E0										00-FF							
3E1										00-FF							
3E2										00-FF							
3E3										00-FF							
3E4										00-FF							
3E5										00-FF							
3E6										00-FF							
3E7										00-FF							
3E8										00-FF							
3E9										00-FF							
3EA										00-FF							
3EB										00-FF							
3EC										00-FF							
3ED										00-FF							
3EE										00-FF							
3EF										00-FF							
3F0										00-FF							
3F1										00-FF							
3F2										00-FF							
3F3										00-FF							
3F4										00-FF							
3F5										00-FF							
3F6										00-FF							
3F7										00-FF							
3F8										00-FF							
3F9										00-FF							
3FA										00-FF							
3FB										00-FF							
3FC										00-FF							
3FD										00-FF							
3FE										00-FF							
3FF										00-FF							
MODEL									MODEL								

## MEMORY MAP (Continued)

MODEL : IXB584WJZZ (GA5 TEXT)								SEM PDD SOFTWARE GROUP			TV DESIGN ENGINEERING			TV PRODUCTION ENGINEERING					
EEPROM CHECK DATA LIST 17								ISSUED DATE :			ISSUED DATE :			ISSUED DATE :					
								MANAGER			MANAGER			MANAGER					
								CHIEF			CHIEF			CHIEF					
								ENGINEER			ENGINEER			ENGINEER					
								Lingjia											
SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)																			
ADDRESS (HEX)	DATA							MICON DEFAULT	EEPROM RANGE	EEPROM WRITE(CPU)	CHASSIS		CTV FINAL		LAST INITIAL SETTING DATA	REMARK			
	D7	D6	D5	D4	D3	D2	D1				D0	CHECK DATA	CHECK TYPE	CHECK DATA			CHECK TYPE		
400				Inbox Message - Character 01				FF	00-FF										
401				Inbox Message - Character 02				FF	00-FF										
402				Inbox Message - Character 03				FF	00-FF										
403				Inbox Message - Character 04				FF	00-FF										
404				Inbox Message - Character 05				FF	00-FF										
405				Inbox Message - Character 06				FF	00-FF										
406				Inbox Message - Character 07				FF	00-FF										
407				Inbox Message - Character 08				FF	00-FF										
408				Inbox Message - Character 09				FF	00-FF										
409				Inbox Message - Character 10				FF	00-FF										
40A				Inbox Message - Character 11				FF	00-FF										
40B				Inbox Message - Character 12				FF	00-FF										
40C				Inbox Message - Character 13				FF	00-FF										
40D				Inbox Message - Character 14				FF	00-FF										
40E				Inbox Message - Character 15				FF	0-FF										
40F				Inbox Message - Character 16				FF	0-FF										
410				Inbox Message - Character 17				FF	0-FF										
411				Inbox Message - Character 18				FF	0-FF										
412				Inbox Message - Character 19				FF	0-FF										
413				Inbox Message - Character 20				FF	0-FF										
414				Inbox Message - Character 21				FF	0-FF										
415				Inbox Message - Character 22				FF	0-FF										
416				Inbox Message - Character 23				FF	0-FF										
417				Inbox Message - Character 24				FF	0-FF										
418				Inbox Message - Character 25				FF	0-FF										
419				Inbox Message - Character 26				FF	0-FF										
41A				Inbox Message - Character 27				FF	0-FF										
41B				Inbox Message - Character 28				FF	0-FF										
41C				Inbox Message - Character 29				FF	0-FF										
41D				Inbox Message - Character 30				FF	0-FF										
41E				Inbox Message - Character 31				FF	0-FF										
41F				Inbox Message - Character 32				FF	0-FF										
420				Inbox Message - Character 33				FF	0-FF										
421				Inbox Message - Character 34				FF	0-FF										
422				Inbox Message - Character 35				FF	0-FF										
423				Inbox Message - Character 36				FF	0-FF										
424				Inbox Message - Character 37				FF	0-FF										
425				Inbox Message - Character 38				FF	0-FF										
426				Inbox Message - Character 39				FF	0-FF										
427				Inbox Message - Character 40				FF	0-FF										
428				Inbox Message - Character 41				FF	0-FF										
429				Inbox Message - Character 42				FF	0-FF										
42A				Inbox Message - Character 43				FF	0-FF										
42B				Inbox Message - Character 44				FF	0-FF										
42C				Inbox Message - Character 45				FF	0-FF										
42D				Inbox Message - Character 46				FF	0-FF										
42E				Inbox Message - Character 47				FF	0-FF										
42F				Inbox Message - Character 48				FF	0-FF										
430				Inbox Message - Character 49				FF	0-FF										
431				Inbox Message - Character 50				FF	0-FF										
432				Inbox Message - Character 51				FF	0-FF										
433				Inbox Message - Character 52				FF	0-FF										
434				Inbox Message - Character 53				FF	0-FF										
435				Inbox Message - Character 54				FF	0-FF										
436				Inbox Message - Character 55				FF	0-FF										
437				Inbox Message - Character 56				FF	0-FF										
438				Inbox Message - Character 57				FF	0-FF										
439				Inbox Message - Character 58				FF	0-FF										
43A				Inbox Message - Character 59				FF	0-FF										
43B				Inbox Message - Character 60				FF	0-FF										
43C				Inbox Message - Character 61				FF	0-FF										
43D				Inbox Message - Character 62				FF	0-FF										
43E				Inbox Message - Character 63				FF	0-FF										
43F				Inbox Message - Character 64				FF	0-FF										
MODEL								MODEL											

MODEL : IXB584WJZZ (GA5 TEXT)									SEM PDD SOFTWARE GROUP			TV DESIGN ENGINEERING			TV PRODUCTION ENGINEERING					
EEPROM CHECK DATA LIST 18									ISSUED DATE :			ISSUED DATE :			ISSUED DATE :					
									MANAGER				MANAGER				MANAGER			
									CHIEF				CHIEF				CHIEF			
									ENGINEER		Lingjie		ENGINEER				ENGINEER			
SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)																				
ADDRESS (HEX)	D7	D6	D5	D4	D3	D2	D1	D0	MICON DEFAULT	EEPROM RANGE	EEPROM WRITE(CPU)	CHASSIS		CTV FINAL		LAST INITIAL		REMARK		
												CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA				
440				Inbox Message - Character 65					FF	0-FF										
441				Inbox Message - Character 66					FF	0-FF										
442				Inbox Message - Character 67					FF	0-FF										
443				Inbox Message - Character 68					FF	0-FF										
444				Inbox Message - Character 69					FF	0-FF										
445				Inbox Message - Character 70					FF	0-FF										
446				Inbox Message - Character 71					FF	0-FF										
447				Inbox Message - Character 72					FF	0-FF										
448																				
449																				
44A																				
44B																				
44C																				
44D																				
44E																				
44F																				
450																				
451																				
452																				
453																				
454																				
455																				
456																				
457																				
458																				
459																				
45A																				
45B																				
45C																				
45D																				
45E																				
45F																				
460																				
461																				
462																				
463																				
464																				
465																				
466																				
467																				
468																				
469																				
46A																				
46B																				
46C																				
46D																				
46E																				
46F																				
470																				
471																				
472																				
473																				
474																				
475																				
476																				
477																				
478																				
479																				
47A																				
47B																				
47C																				
47D																				
47E																				
47F																				
MODEL									MODEL											

## MEMORY MAP (Continued)

MODEL : IXB584WJZZ (GA5 TEXT)								SEM PDD SOFTWARE GROUP			TV DESIGN ENGINEERING			TV PRODUCTION ENGINEERING					
EEPROM CHECK DATA LIST 19								ISSUED DATE :			ISSUED DATE :			ISSUED DATE :					
								MANAGER			MANAGER			MANAGER					
								CHIEF			CHIEF			CHIEF					
								ENGINEER			ENGINEER			ENGINEER					
								Lingjia											
SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)																			
ADDRESS (HEX)	DATA							MICON DEFAULT	EEPROM RANGE	EEPROM WRITE(CPU)	CHASSIS		CTV FINAL		LAST INITIAL SETTING DATA	REMARK			
	D7	D6	D5	D4	D3	D2	D1				D0	CHECK DATA	CHECK TYPE	CHECK DATA			CHECK TYPE		
480	Message Favorite One- Character 01							FF	00-FF										
481	Message Favorite One- Character 02							FF	00-FF										
482	Message Favorite One- Character 03							FF	0-FF										
483	Message Favorite One- Character 04							FF	0-FF										
484	Message Favorite One- Character 05							FF	0-FF										
485	Message Favorite One- Character 06							FF	0-FF										
486	Message Favorite One- Character 07							FF	0-FF										
487	Message Favorite One- Character 08							FF	0-FF										
488	Message Favorite One- Character 09							FF	0-FF										
489	Message Favorite One- Character 10							FF	0-FF										
48A	Message Favorite One- Character 11							FF	0-FF										
48B	Message Favorite One- Character 12							FF	0-FF										
48C	Message Favorite One- Character 13							FF	0-FF										
48D	Message Favorite One- Character 14							FF	0-FF										
48E	Message Favorite One- Character 15							FF	0-FF										
48F	Message Favorite One- Character 16							FF	0-FF										
490	Message Favorite One- Character 17							FF	0-FF										
491	Message Favorite One- Character 18							FF	0-FF										
492	Message Favorite One- Character 19							FF	0-FF										
493	Message Favorite One- Character 20							FF	0-FF										
494	Message Favorite One- Character 21							FF	0-FF										
495	Message Favorite One- Character 22							FF	0-FF										
496	Message Favorite One- Character 23							FF	0-FF										
497	Message Favorite One- Character 24							FF	0-FF										
498	Message Favorite One- Character 25							FF	0-FF										
499	Message Favorite One- Character 26							FF	0-FF										
49A	Message Favorite One- Character 27							FF	0-FF										
49B	Message Favorite One- Character 28							FF	0-FF										
49C	Message Favorite One- Character 29							FF	0-FF										
49D	Message Favorite One- Character 30							FF	0-FF										
49E	Message Favorite One- Character 31							FF	0-FF										
49F	Message Favorite One- Character 32							FF	0-FF										
4A0	Message Favorite One- Character 33							FF	0-FF										
4A1	Message Favorite One- Character 34							FF	0-FF										
4A2	Message Favorite One- Character 35							FF	0-FF										
4A3	Message Favorite One- Character 36							FF	0-FF										
4A4	Message Favorite One- Character 37							FF	0-FF										
4A5	Message Favorite One- Character 38							FF	0-FF										
4A6	Message Favorite One- Character 39							FF	0-FF										
4A7	Message Favorite One- Character 40							FF	0-FF										
4A8	Message Favorite One- Character 41							FF	0-FF										
4A9	Message Favorite One- Character 42							FF	0-FF										
4AA	Message Favorite One- Character 43							FF	0-FF										
4AB	Message Favorite One- Character 44							FF	0-FF										
4AC	Message Favorite One- Character 45							FF	0-FF										
4AD	Message Favorite One- Character 46							FF	0-FF										
4AE	Message Favorite One- Character 47							FF	0-FF										
4AF	Message Favorite One- Character 48							FF	0-FF										
4B0	Message Favorite One- Character 49							FF	0-FF										
4B1	Message Favorite One- Character 50							FF	0-FF										
4B2	Message Favorite One- Character 51							FF	0-FF										
4B3	Message Favorite One- Character 52							FF	0-FF										
4B4	Message Favorite One- Character 53							FF	0-FF										
4B5	Message Favorite One- Character 54							FF	0-FF										
4B6	Message Favorite One- Character 55							FF	0-FF										
4B7	Message Favorite One- Character 56							FF	0-FF										
4B8	Message Favorite One- Character 57							FF	0-FF										
4B9	Message Favorite One- Character 58							FF	0-FF										
4BA	Message Favorite One- Character 59							FF	0-FF										
4BB	Message Favorite One- Character 60							FF	0-FF										
4BC	Message Favorite One- Character 61							FF	0-FF										
4BD	Message Favorite One- Character 62							FF	0-FF										
4BE	Message Favorite One- Character 63							FF	0-FF										
4BF	Message Favorite One- Character 64							FF	0-FF										
MODEL								MODEL											
LETTER NO.								LETTER NO.											

MODEL : IXB584WJZZ (GA5 TEXT)									SEM PDD SOFTWARE GROUP			TV DESIGN ENGINEERING			TV PRODUCTION ENGINEERING											
EEPROM CHECK DATA LIST 20									ISSUED DATE :			ISSUED DATE :			ISSUED DATE :											
									MANAGER						MANAGER						MANAGER					
									CHIEF						CHIEF						CHIEF					
									ENGINEER			Lingjia			ENGINEER						ENGINEER					
SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)																										
ADDRESS (HEX)	DATA								MICON DEFAULT	EEPROM RANGE	EEPROM WRITE(CPU)	CHASSIS		CTV FINAL		LAST INITIAL SETTING DATA	REMARK									
	D7	D6	D5	D4	D3	D2	D1	D0				CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE											
4C0	Message Favorite One- Character 65								FF	0-FF																
4C1	Message Favorite One- Character 66								FF	0-FF																
4C2	Message Favorite One- Character 67								FF	0-FF																
4C3	Message Favorite One- Character 68								FF	0-FF																
4C4	Message Favorite One- Character 69								FF	0-FF																
4C5	Message Favorite One- Character 70								FF	0-FF																
4C6	Message Favorite One- Character 71								FF	0-FF																
4C7	Message Favorite One- Character 72								FF	0-FF																
4C8																										
4C9																										
4CA																										
4CB																										
4CC																										
4CD																										
4CE																										
4CF																										
4D0																										
4D1																										
4D2																										
4D3																										
4D4																										
4D5																										
4D6																										
4D7																										
4D8																										
4D9																										
4DA																										
4DB																										
4DC																										
4DD																										
4DE																										
4DF																										
4E0																										
4E1																										
4E2																										
4E3																										
4E4																										
4E5																										
4E6																										
4E7																										
4E8																										
4E9																										
4EA																										
4EB																										
4EC																										
4ED																										
4EE																										
4EF																										
4F0																										
4F1																										
4F2																										
4F3																										
4F4																										
4F5																										
4F6																										
4F7																										
4F8																										
4F9																										
4FA																										
4FB																										
4FC																										
4FD																										
4FE																										
4FF																										
MODEL									MODEL																	
LETTER NO.									LETTER NO.																	

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MODEL : IXB584WJZZ (GA5 TEXT)								SEM PDD SOFTWARE GROUP			TV DESIGN ENGINEERING		TV PRODUCTION ENGINEERING				
EEPROM CHECK DATA LIST 22								ISSUED DATE :			ISSUED DATE :		ISSUED DATE :				
								MANAGER			MANAGER		MANAGER				
								CHIEF			CHIEF		CHIEF				
								ENGINEER			ENGINEER		ENGINEER				
SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)																	
ADDRESS (HEX)	DATA							MICON DEFAULT	EEPROM RANGE	EEPROM WRITE(CPU)	CHASSIS		CTV FINAL		LAST INITIAL SETTING DATA	REMARK	
	D7	D6	D5	D4	D3	D2	D1				D0	CHECK DATA	CHECK TYPE	CHECK DATA			CHECK TYPE
540								FF	0-FF								
541								FF	0-FF								
542								FF	0-FF								
543								FF	0-FF								
544								FF	0-FF								
545								FF	0-FF								
546								FF	0-FF								
547								FF	0-FF								
548																	
549																	
54A																	
54B																	
54C																	
54D																	
556																	
54F																	
550																	
551																	
552																	
553																	
554																	
555																	
556																	
557																	
558																	
559																	
55A																	
55B																	
55C																	
55D																	
55E																	
55F																	
560																	
561																	
562																	
563																	
564																	
565																	
566																	
567																	
568																	
569																	
56A																	
56B																	
56C																	
56D																	
56E																	
56F																	
570																	
571																	
572																	
573																	
574																	
575																	
576																	
577																	
578																	
579																	
57A																	
57B																	
57C																	
57D																	
57E																	
57F																	
MODEL								MODEL									

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MODEL : IXB584WJZZ (GA5 TEXT)									SEM PDD SOFTWARE GROUP						TV PRODUCTION ENGINEERING											
EEPROM CHECK DATA LIST 24									ISSUED DATE :			ISSUED DATE :			ISSUED DATE :											
									MANAGER						MANAGER						MANAGER					
									SUPERVISOR						CHIEF						CHIEF					
									ENGINEER			Lingjia			ENGINEER						ENGINEER					
SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)																										
ADDRESS (HEX)	DATA								MICON DEFAULT	EEPROM RANGE	EEPROM WRITE(CPU)	CHASSIS		CTV FINAL		LAST INITIAL										
	D7	D6	D5	D4	D3	D2	D1	D0				CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK									
5C0	Message Favorite Three- Character 65								FF	0-FF																
5C1	Message Favorite Three- Character 66								FF	0-FF																
5C2	Message Favorite Three- Character 67								FF	0-FF																
5C3	Message Favorite Three- Character 68								FF	0-FF																
5C4	Message Favorite Three- Character 69								FF	0-FF																
5C5	Message Favorite Three- Character 70								FF	0-FF																
5C6	Message Favorite Three- Character 71								FF	0-FF																
5C7	Message Favorite Three- Character 72								FF	0-FF																
5C8																										
5C9																										
5CA																										
5CB																										
5CC																										
5CD																										
5CE																										
5CF																										
5D0																										
5D1																										
5D2																										
5D3																										
5D4																										
5D5																										
5D6																										
5D7																										
5D8																										
5D9																										
5DA																										
5DB																										
5DC																										
5DD																										
5DE																										
5DF																										
5E0																										
5E1																										
5E2																										
5E3																										
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5E8																										
5E9																										
5EA																										
5EB																										
5EC																										
5ED																										
5EE																										
5EF																										
5F0																										
5F1																										
5F2																										
5F3																										
5F4																										
5F5																										
5F6																										
5F7																										
5F8																										
5F9																										
5FA																										
5FB																										
5FC																										
5FD																										
5FE																										
5FF																										
MODEL									MODEL																	

## MEMORY MAP (Continued)

MODEL : IXB584WJZZ (GA5 TEXT)								SEM PDD SOFTWARE GROUP			TV DESIGN ENGINEERING			TV PRODUCTION ENGINEERING											
EEPROM CHECK DATA LIST 25								ISSUED DATE :			ISSUED DATE :			ISSUED DATE :											
								MANAGER						MANAGER						MANAGER					
								CHIEF						CHIEF						CHIEF					
								ENGINEER			Lingjia			ENGINEER						ENGINEER					
SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)																									
ADDRESS (HEX)	DATA							MICON DEFAULT	EEPROM RANGE	EEPROM WRITE(CPU)	CHASSIS		CTV FINAL		LAST INITIAL	REMARK									
	D7	D6	D5	D4	D3	D2	D1	D0				CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA									
600				TELETEXT LEVEL (F277)					08	00-10						C100D4									
601				クロックライン自動調整レジスタ (F278)					01	00-FF						C1114C									
602				クロックラインキラーレベル設定レジスタ (F279)					00	00-FF						C11151									
603				CSYNCスライスレベル設定レジスタ (F280)					70	00-FF						C111CC									
604				AFC収束範囲設定レジスタ (F281)					13	00-FF						C111D1									
605				F特調整レジスタ (F282)					A4	00-FF						C112A5									
606				EPG用ADオフセット調整レジスタ (F283)					D4	00-FF						C112F9									
607				EPG用ADゲイン調整レジスタ (F284)					C1	00-FF						C112FD									
608		クロックゲート調整器電時リセット		クロックラインイン限値	VPSコンパリアマスク		WSSコンパリアマスク		3B	00-7F						F285									
609				レジスタ設定値 (F286)					84	00-FF						C11105									
60A				レジスタ設定値 (F287)					84	00-FF						C11105									
60B				TELETEXTフレーミングゲート開始位置設定レジスタ (F288)					74	00-FF						C111FD									
60C				TELETEXTフレーミングゲート終了位置設定レジスタ (F289)					AA	00-FF						C11201									
60D				TELETEXTクロックゲート開始位置設定レジスタ (F290)					6C	00-FF						C11205									
60E				TELETEXTクロックゲート終了位置設定レジスタ (F291)					80	00-FF						C11209									
60F				TELETEXT用ADオフセット調整レジスタ (F292)					CF	00-FF						C112C1									
610				TELETEXT用ADゲイン調整レジスタ (F293)					8C	00-FF						C112C5									
611				CCD(N)デインターレースタ1 (F294)					94	00-FF						C11129									
612				VPSデインターレースタ1 (F295)					03	00-FF						C11159									
613								TEXT_MD (F297)	DSD_HS (F296)	00	00-03														
614							V-BLK TOP SHIFT (F298)		03	00-0F						C1001C									
615																									
616																									
617																									
618																									
619																									
61A																									
61B																									
61C																									
61D																									
61E																									
61F																									
620																									
621																									
622																									
623																									
624																									
625																									
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627																									
628																									
629																									
62A																									
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63A																									
63B																									
63C																									
63D																									
63E																									
63F																									
MODEL								MODEL																	
LETTER NO.								LETTER NO.																	

MODEL : IXB584WJZZ (GA5 TEXT)								SEM PDD SOFTWARE GROUP			TV DESIGN ENGINEERING				TV PRODUCTION ENGINEERING		
EEPROM CHECK DATA LIST 26								ISSUED DATE :			ISSUED DATE :				ISSUED DATE :		
								MANAGER			MANAGER			MANAGER			
								CHIEF			CHIEF			CHIEF			
								ENGINEER			ENGINEER			ENGINEER			
SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)																	
ADDRESS (HEX)	DATA							MICON DEFAULT	EEPROM RANGE	EEPROM WRITE(CPU)	CHASSIS		CTV FINAL		LAST INITIAL SETTING DATA	REMARK	
	D7	D6	D5	D4	D3	D2	D1				D0	CHECK DATA	CHECK TYPE	CHECK DATA			CHECK TYPE
640																	
641																	
642																	
643																	
644																	
645																	
646																	
647																	
648																	
649																	
64A																	
64B																	
64C																	
64D																	
64E																	
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65F																	
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664																	
665																	
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668																	
669																	
66A																	
66B																	
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676																	
677																	
678																	
679																	
67A																	
67B																	
67C																	
67D																	
67E																	
67F																	
MODEL								MODEL									
LETTER NO.								LETTER NO.									

## MEMORY MAP (Continued)

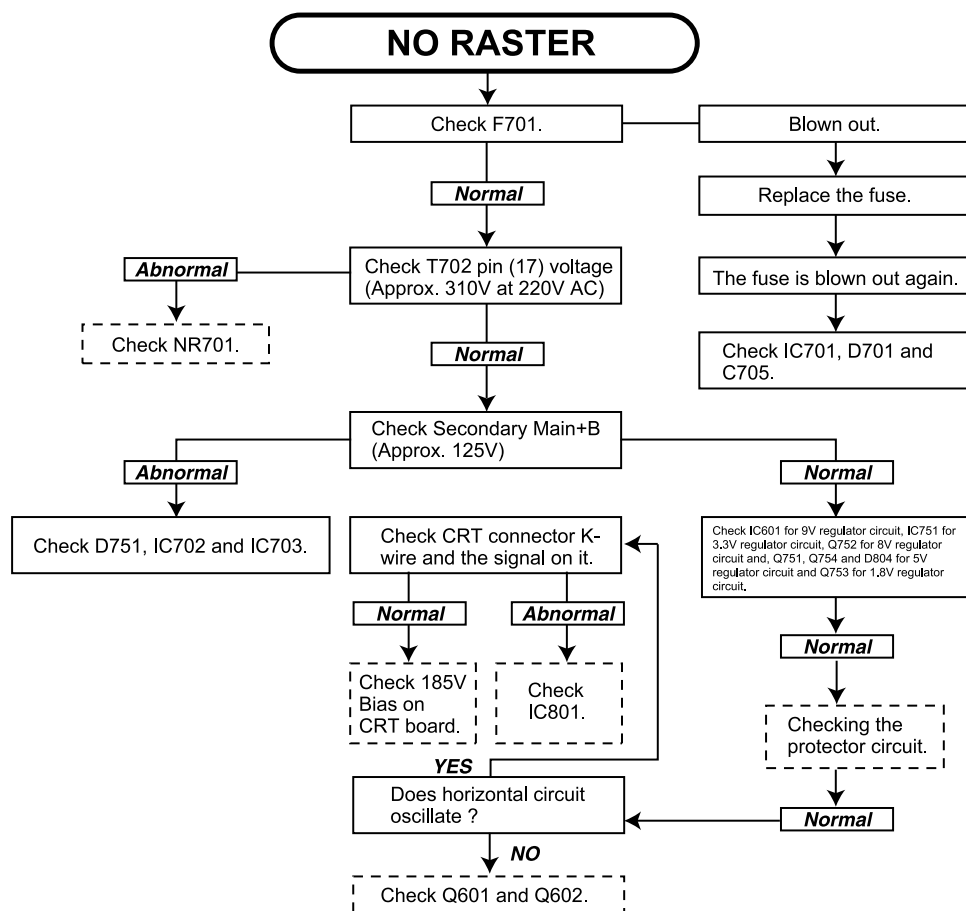
MODEL : IXB584WJZZ (GA5 TEXT)									SEM PDD SOFTWARE GROUP			TV DESIGN ENGINEERING			TV PRODUCTION ENGINEERING											
EEPROM CHECK DATA LIST 27									ISSUED DATE :			ISSUED DATE :			ISSUED DATE :											
									MANAGER						MANAGER						MANAGER					
									CHIEF						CHIEF						CHIEF					
									ENGINEER			Lingjia			ENGINEER						ENGINEER					
SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF) A8(400-4FF) AA(500-5FF) AC(600-6FF) AE(700-7FF)																										
ADDRESS (HEX)	DATA								MICON DEFAULT	EEPROM RANGE	EEPROM WRITE(CPU)	CHASSIS		CTV FINAL		LAST INITIAL		REMARK								
	D7	D6	D5	D4	D3	D2	D1	D0				CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA										
680																										
681																										
682																										
683																										
684																										
685																										
686																										
687																										
688																										
689																										
68A																										
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6A1																										
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6A7																										
6A8																										
6A9																										
6AA																										
6AB																										
6AC																										
6AD																										
6AE																										
6AF																										
6B0																										
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6B4																										
6B5																										
6B6																										
6B7																										
6B8																										
6B9																										
6BA																										
6BB																										
6BC																										
6BD																										
6BE																										
6BF																										
MODEL									MODEL																	
LETTER NO.									LETTER NO.																	

### MEMORY MAP (Continued)

4 - 28

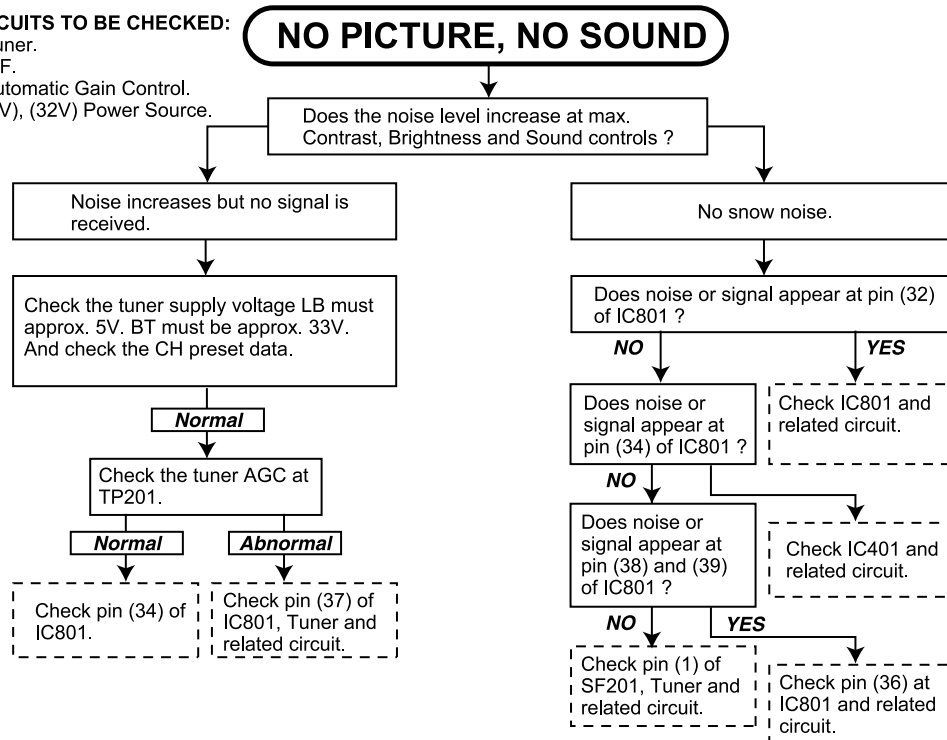
# CHAPTER 5. TROUBLE SHOOTING

## [1] TROUBLE SHOOTING



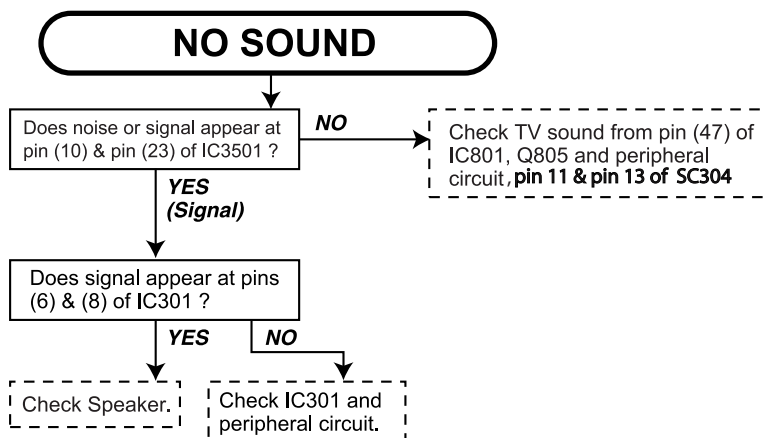
### CIRCUITS TO BE CHECKED:

- Tuner.
- PIF.
- Automatic Gain Control.
- (5V), (32V) Power Source.



**CIRCUITS TO BE CHECKED:**

- Audio Output Circuit.



**NEITHER VERTICAL NOR  
HORIZONTAL SYNCHRONIZATION**

**CIRCUIT TO BE CHECKED:**

- Sync. Separator Circuit.

Check pins (8), (11), (15)  
and (16) of IC801.

**DEFECTIVE VERTICAL AMP.  
AND VERTICAL LINEARITY**

Re-adjust vertical size.  
(Bus Data)

Vertical linearity and size are  
abnormal.

Check R503, R506, R513,  
R520 and C515.

**NO VERTICAL SCAN**

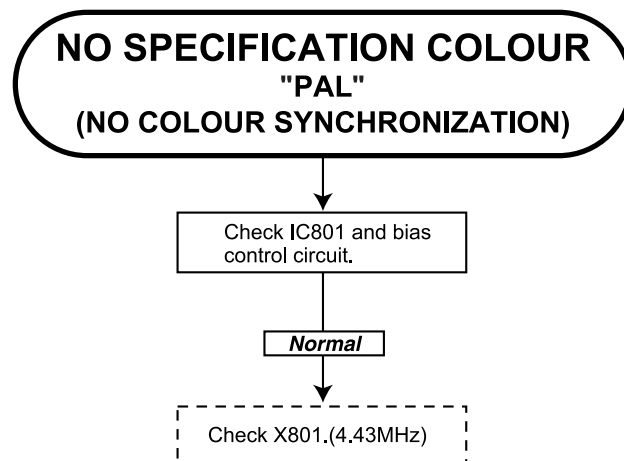
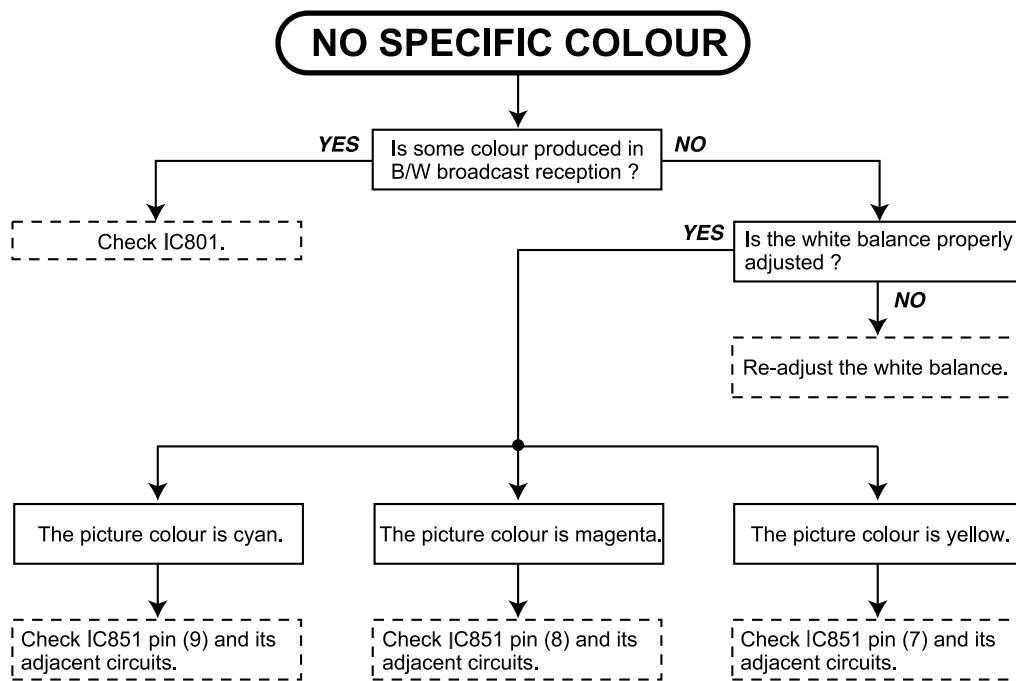
Check IC501 bias.

**Normal**

Check C511.

**Abnormal**

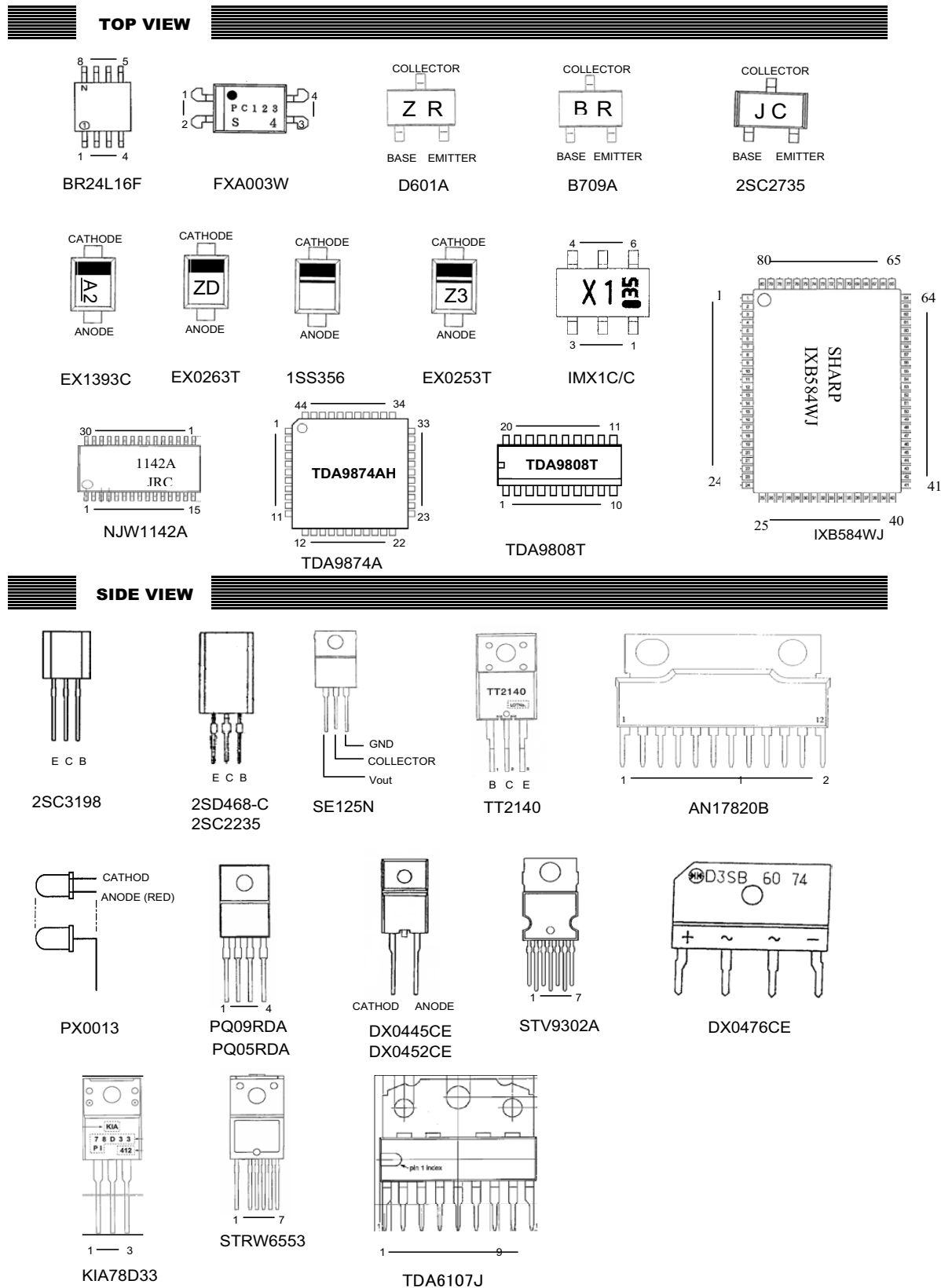
Check IC501.





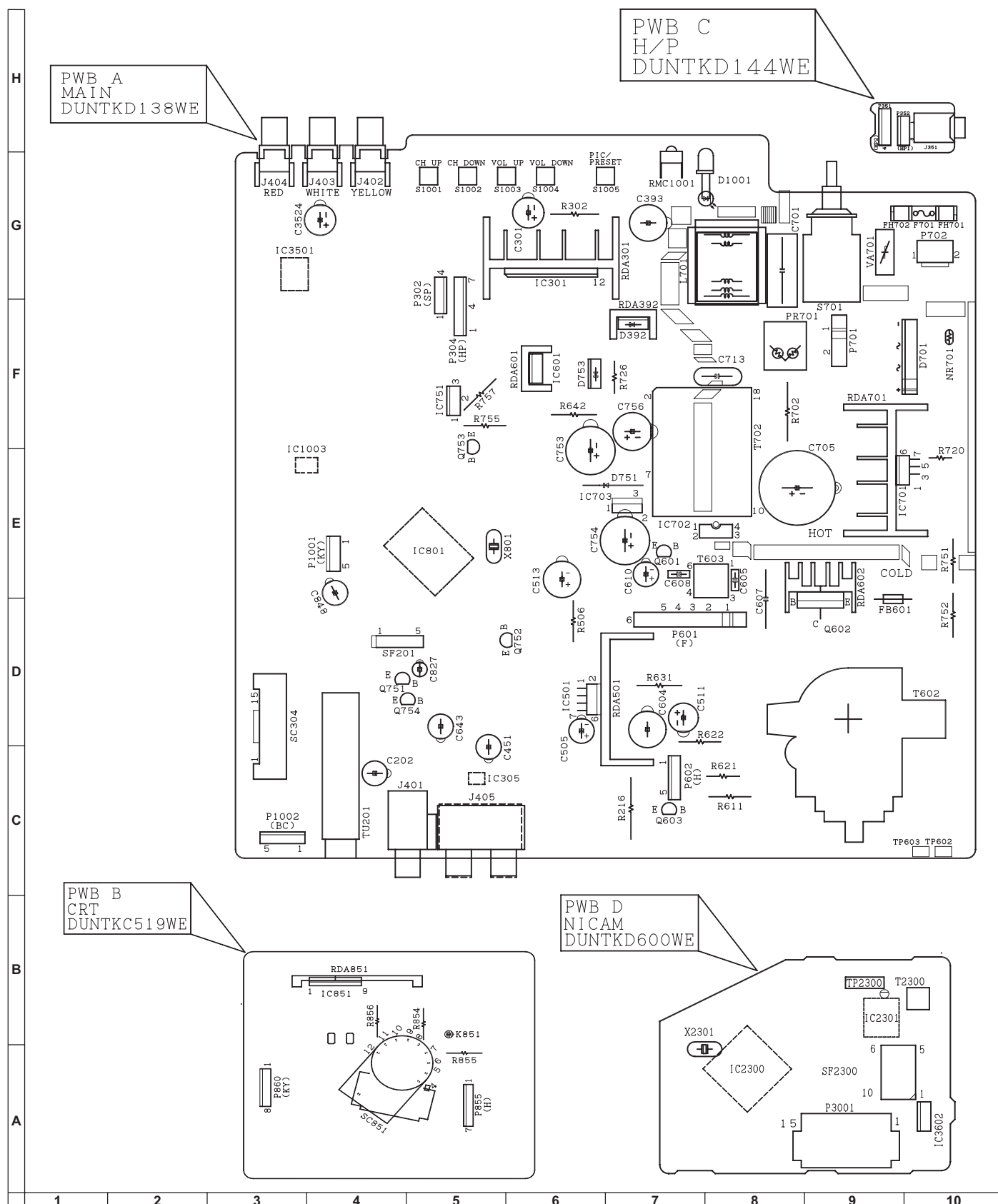
# CHAPTER 6. SOLID STATE DEVICE BASE DIAGRAM

## [1] SOLID STATE DEVICE BASE DIAGRAM

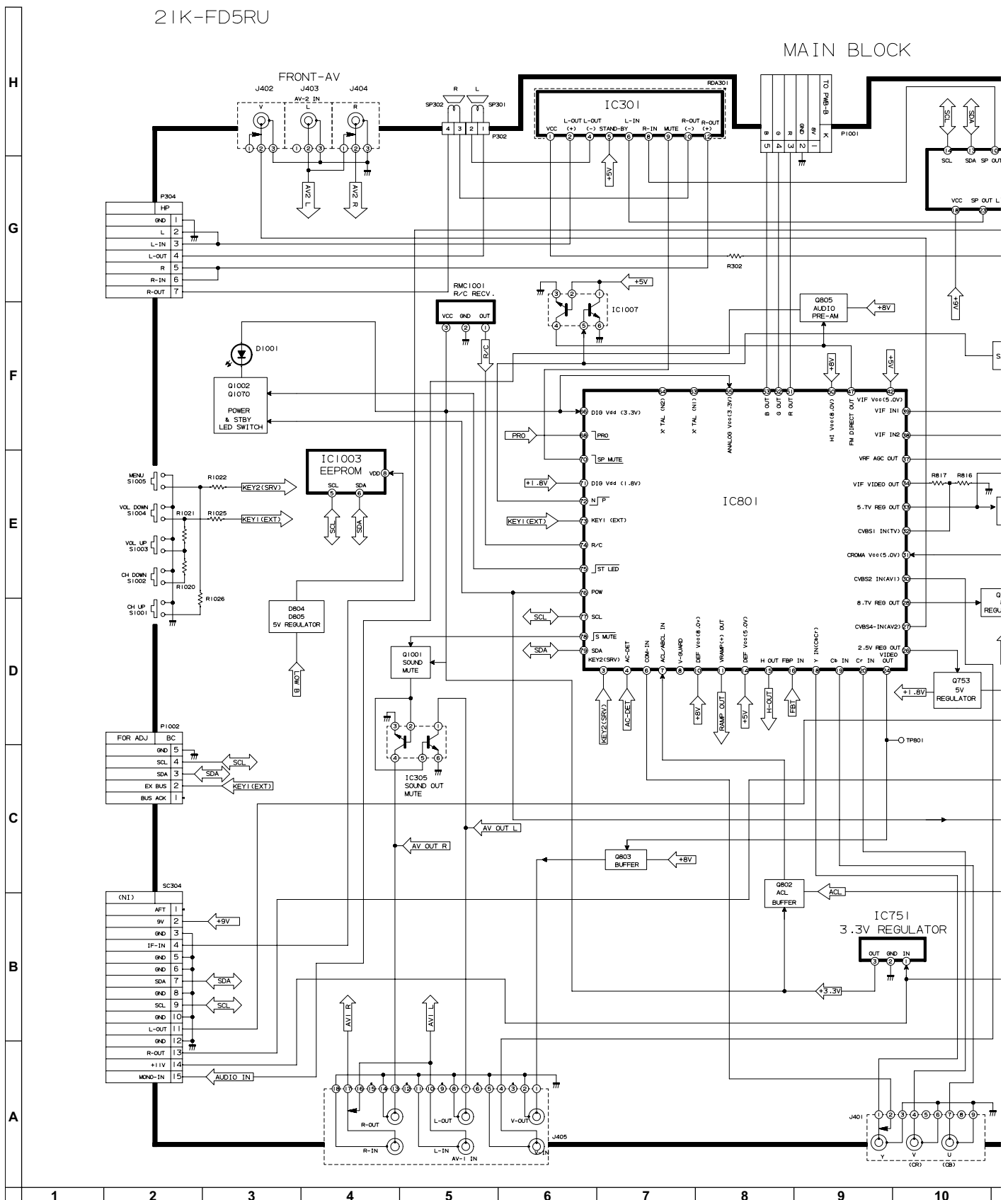


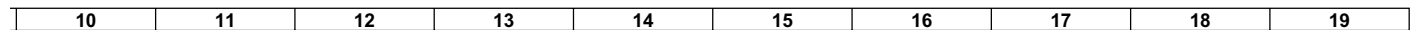
## CHAPTER 7. CHASSIS LAYOUT

## [1] CHASSIS LAYOUT

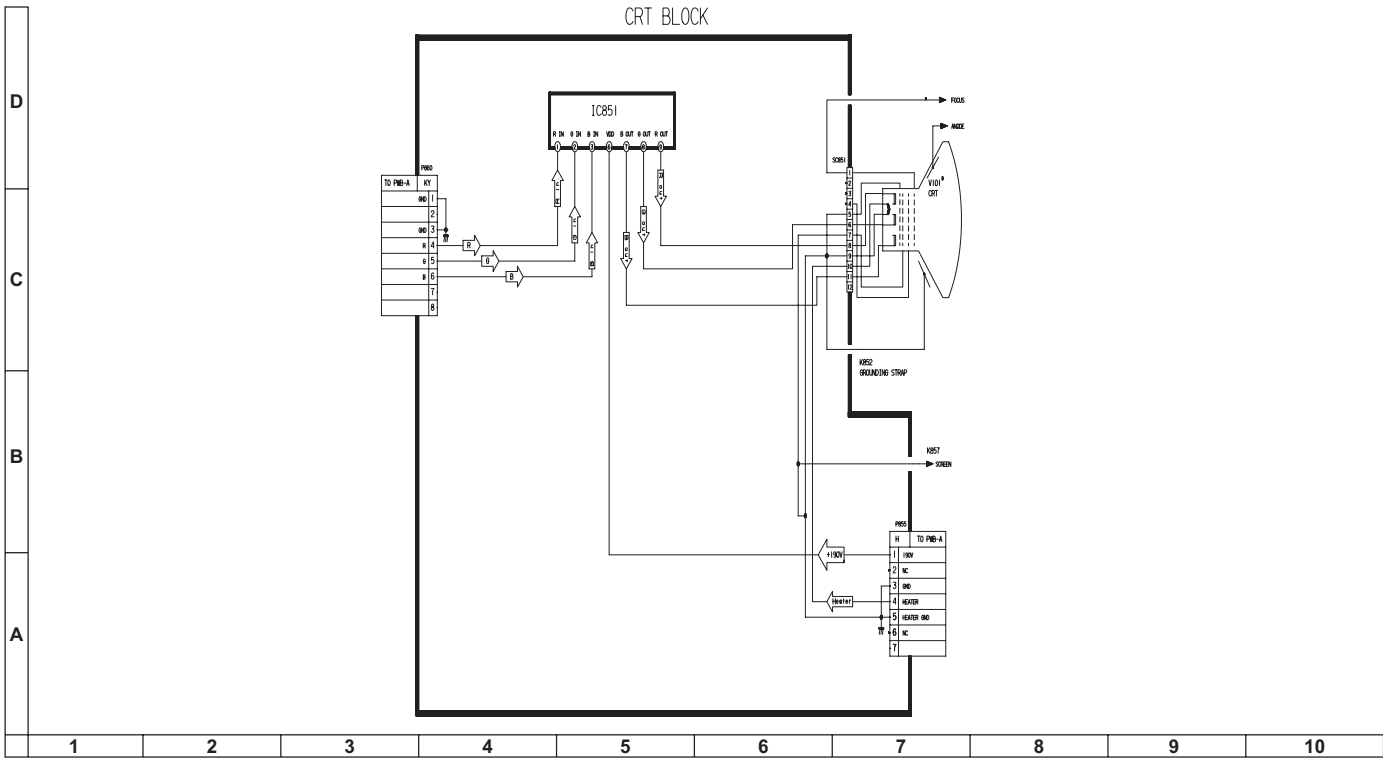


### [1] BLOCK DIAGRAM: MAIN UNIT

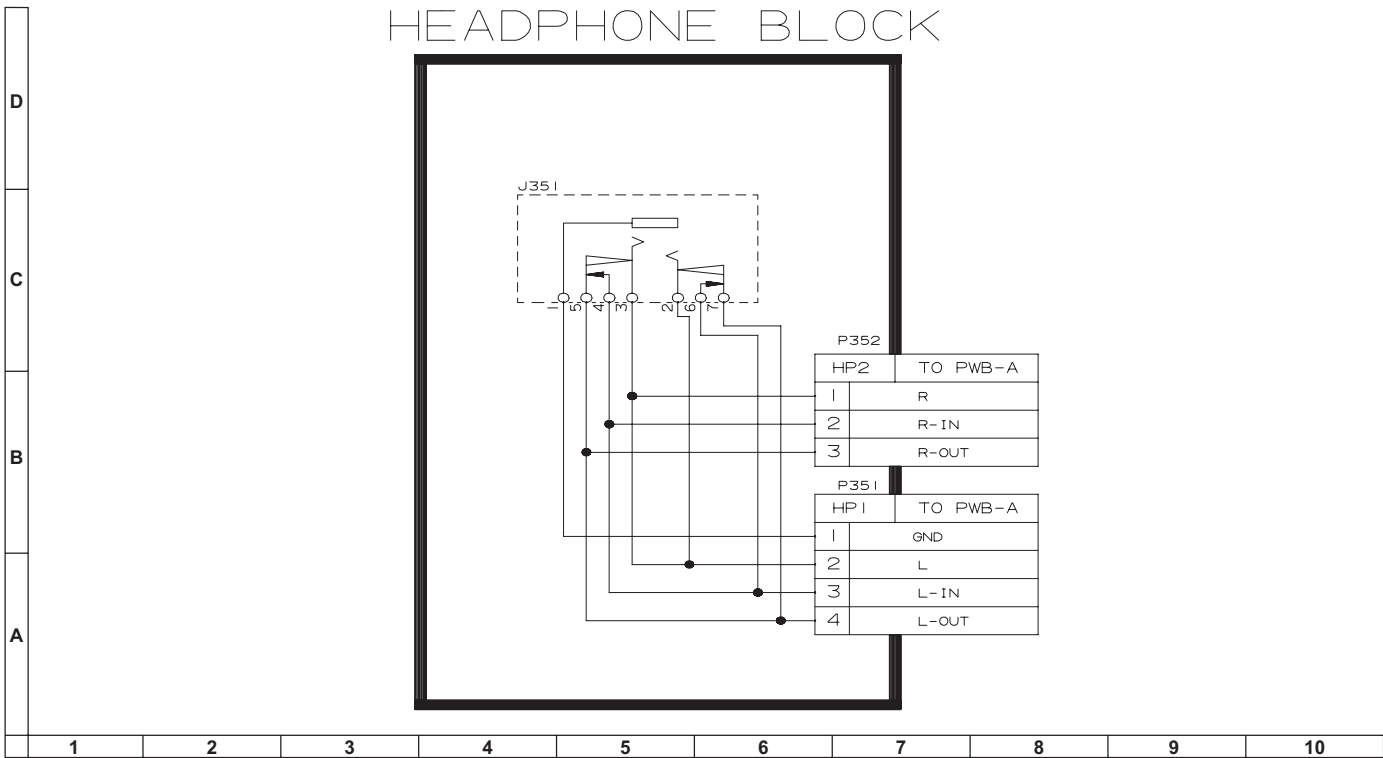




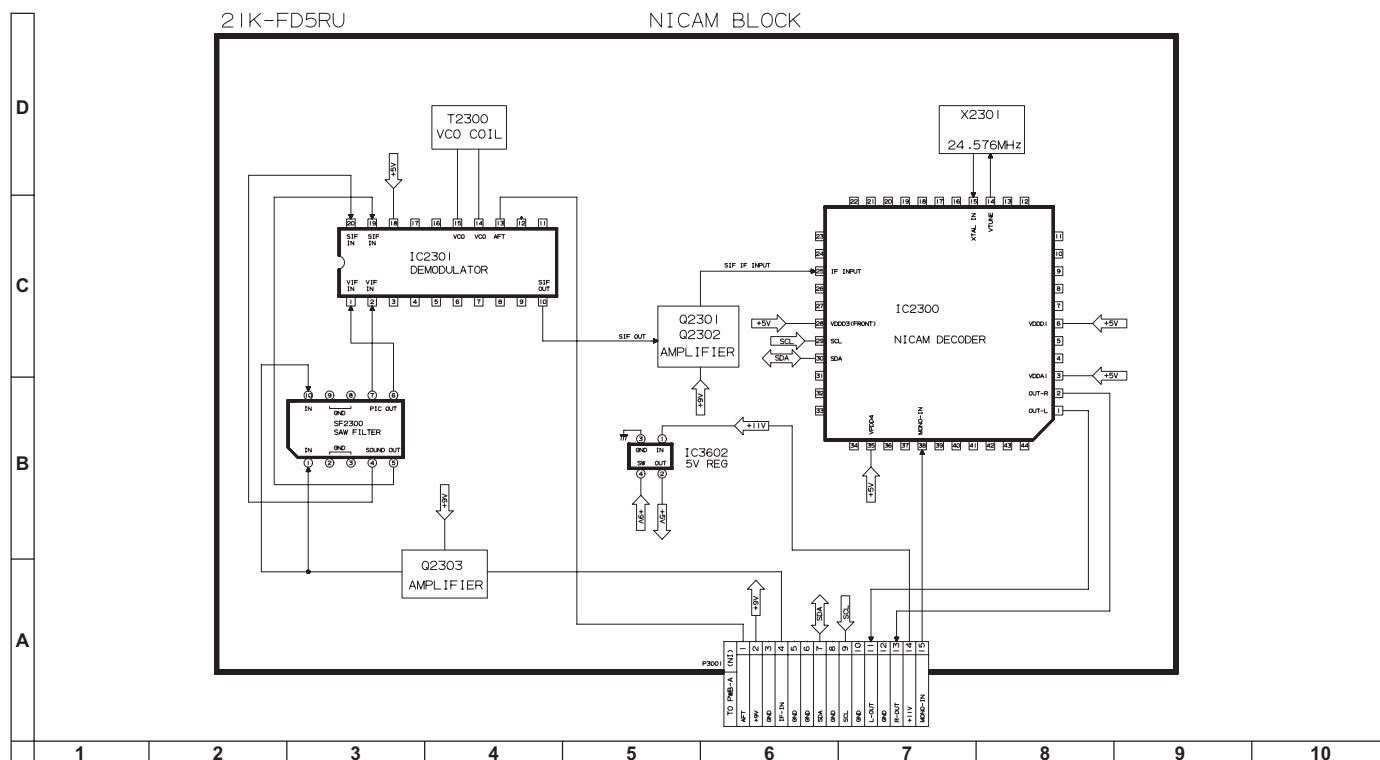
[2] BLOCK DIAGRAM: CRT UNIT



[3] BLOCK DIAGRAM: HEADPHONE UNIT



## [4] BLOCK DIAGRAM: NICAM UNIT





## CHAPTER 9. DESCRIPTION OF SCHEMATIC DIAGRAM

### [1] DESCRIPTION OF SCHEMATIC DIAGRAM

#### SAFETY NOTES:

1. DISCONNECT THE AC PLUG FROM THE AC OUTLET BEFORE REPLACING PARTS.
2. SEMICONDUCTOR HEAT SINKS SHOULD BE REGARDED AS POTENTIAL SHOCK HAZARDS WHEN THE CHASSIS IS OPERATING.

#### IMPORTANT SAFETY NOTICE:

PARTS MARKED WITH "  " (  ) ARE IMPORTANT FOR MAINTAINING THE SAFETY OF THE SET. BE SURE TO REPLACE THESE PARTS WITH SPECIFIED ONES FOR MAINTAINING THE SAFETY AND PERFORMANCE OF THE SET.

#### SERVICE PRECAUTION:

THE AREA ENCLOSED BY THIS LINE ( — - — ) IS DIRECTLY CONNECTED WITH AC MAINS VOLTAGE. WHEN SERVICING THE AREA, CONNECT AN ISOLATING TRANSFORMER BETWEEN TV RECEIVER AND AC LINE TO ELIMINATE HAZARD OF ELECTRIC SHOCK.

#### NOTES:

1. The unit of resistance "ohm" is omitted.  
(K = 1000 ohms, M = Mega ohm).
2. All resistors are 1/16 watt, unless otherwise noted.
3. All capacitors are  $\mu\text{F}$ , unless otherwise noted.  
(P =  $\mu\mu\text{F}$ ).

#### VOLTAGE MEASUREMENT CONDITIONS:

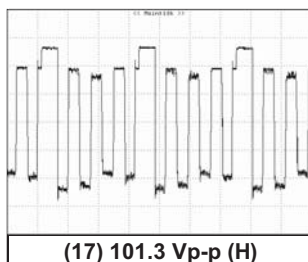
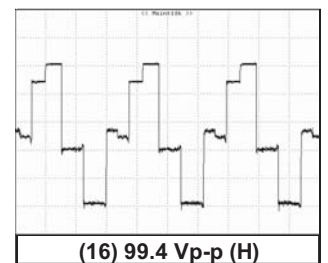
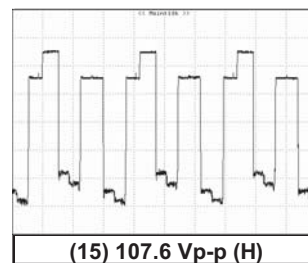
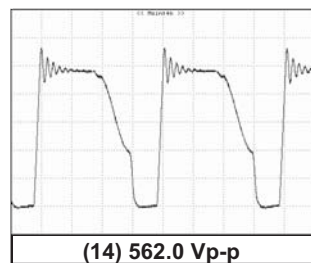
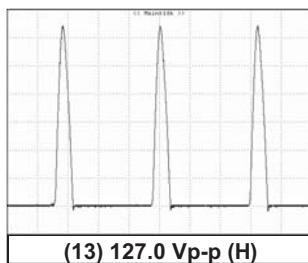
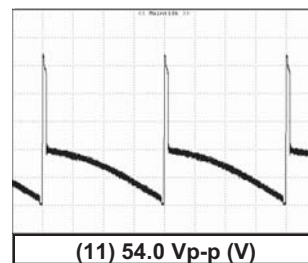
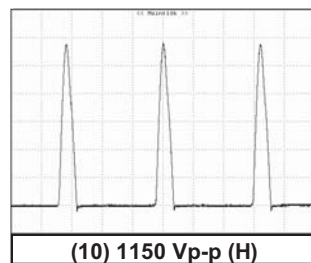
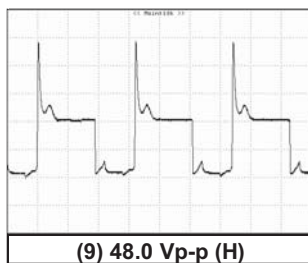
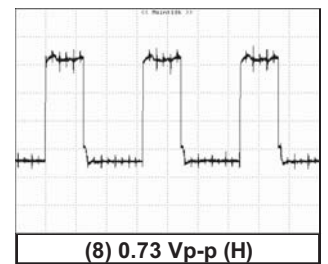
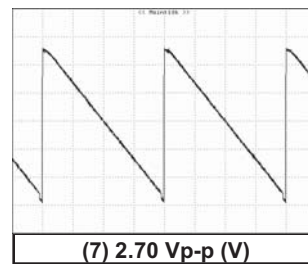
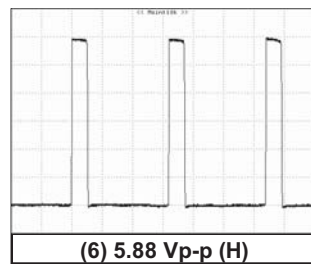
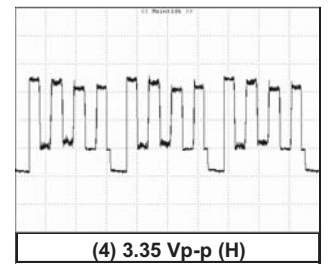
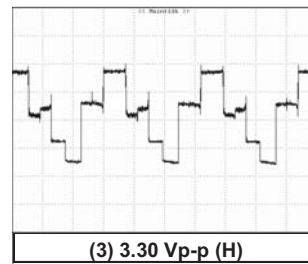
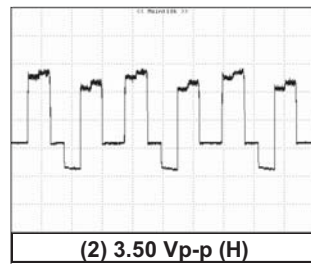
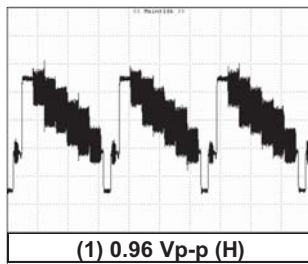
1. Voltages in parenthesis measured with no signal.
2. Voltages without parenthesis measured with 3mV B & W or Colour signal.
3. All the voltages in each point are measured with VTVM.

#### WAVEFORM MEASUREMENT CONDITIONS:

1. The colour bar generator signal of 1.0V peak applied at pin (32) of IC801.
2. Approximately 4V AGC bias.

# CHAPTER 10. WAVEFORM

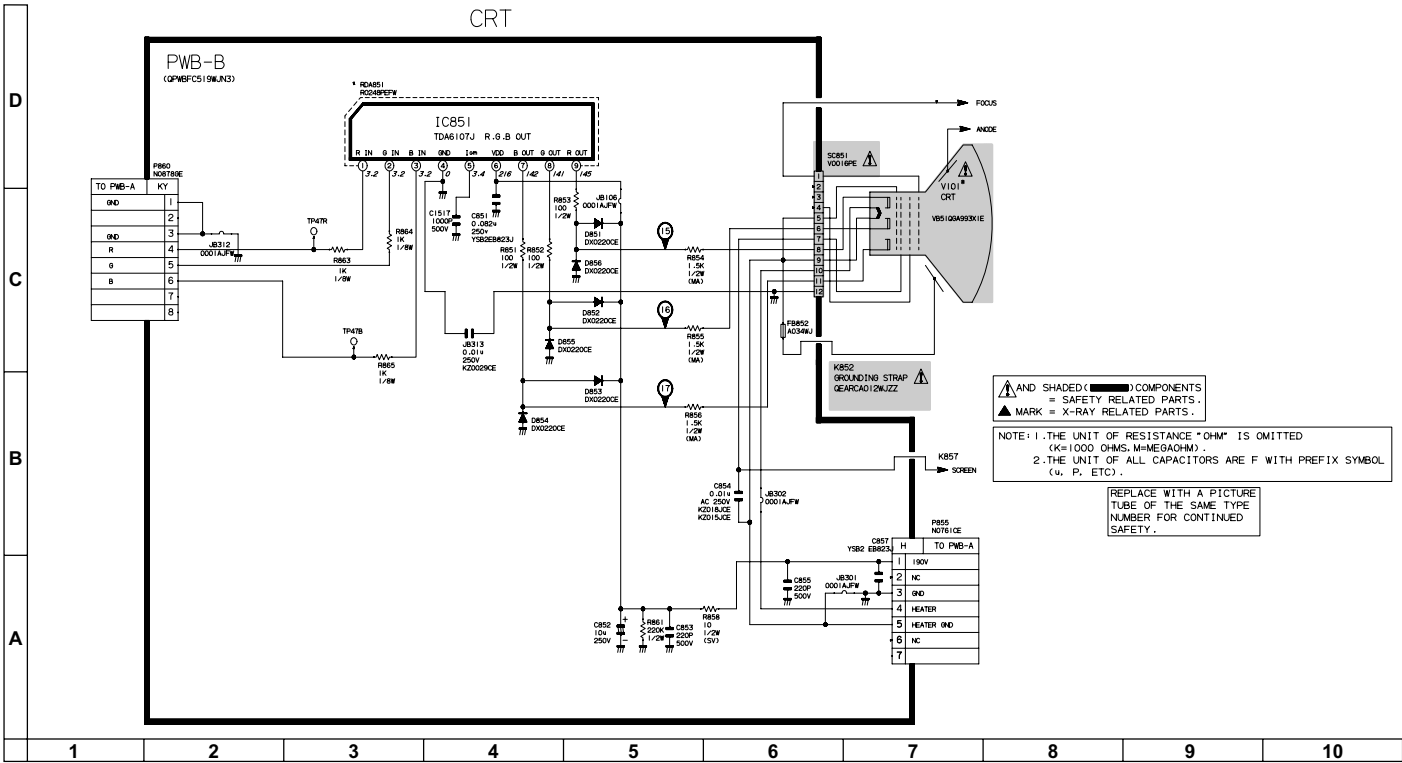
## [1] WAVEFORMS



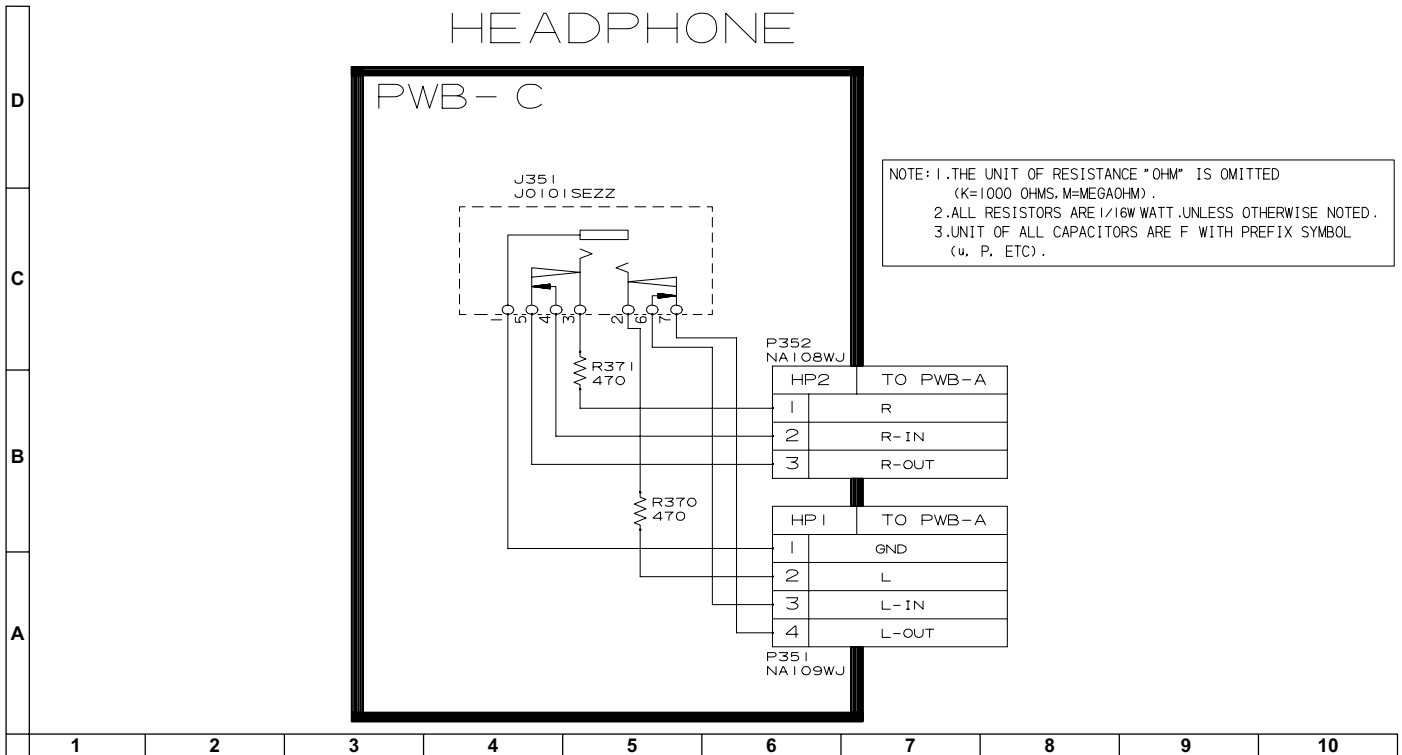


CHAPTER 11. SCHEMATIC DIAGRAM

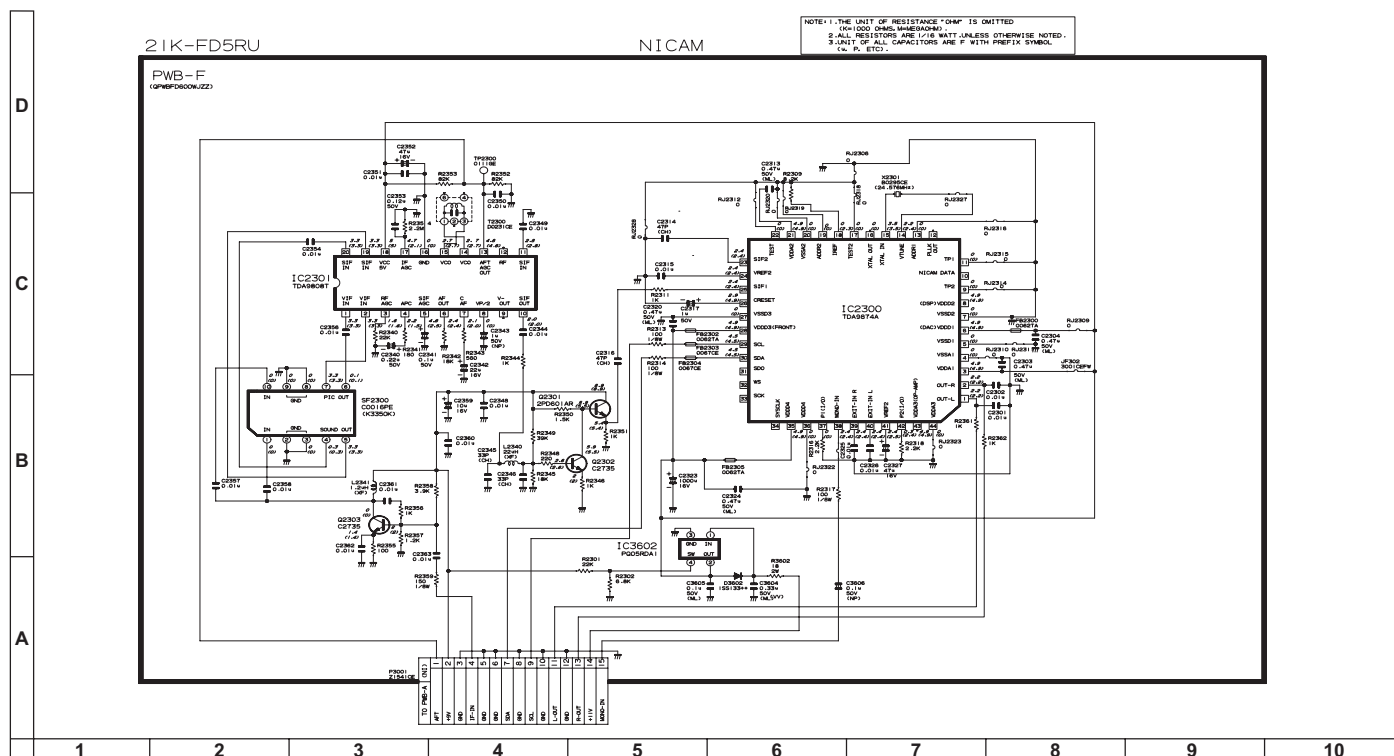
[1] SCHEMATIC DIAGRAM: CRT UNIT



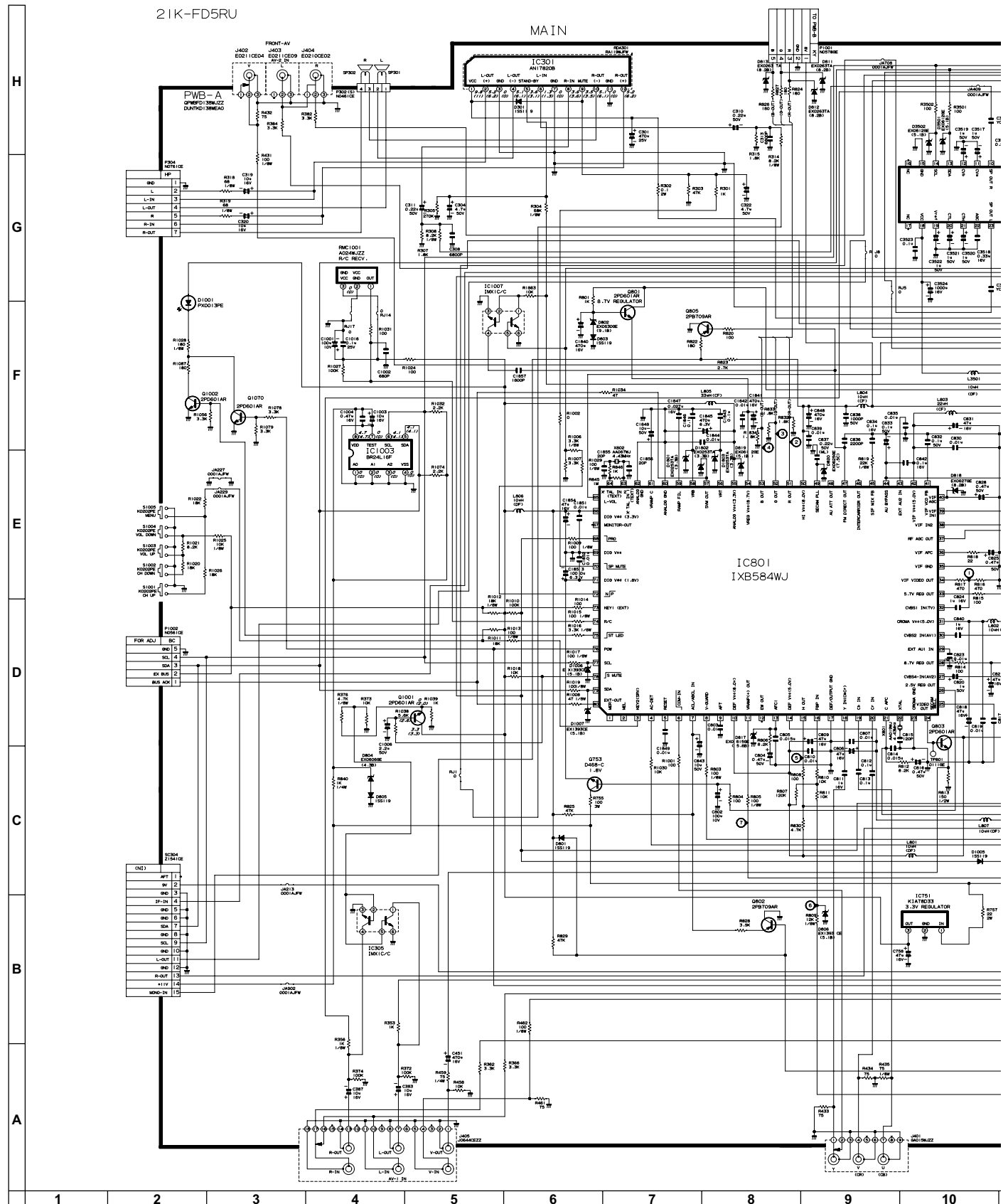
[2] SCHEMATIC DIAGRAM: HEADPHONE UNIT



## [3] SCHEMATIC DIAGRAM: NICAM UNIT

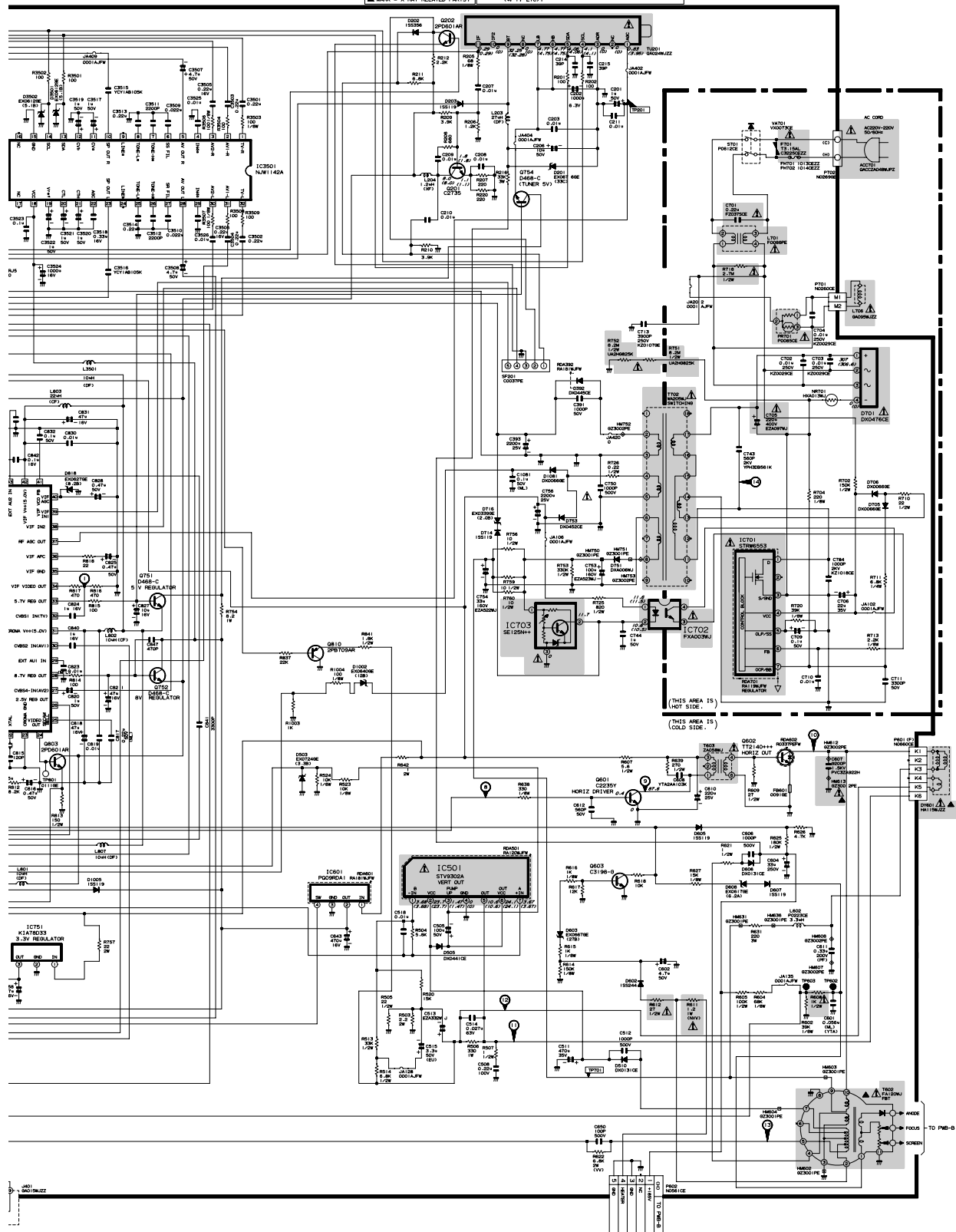


## [4] SCHEMATIC DIAGRAM: MAIN UNIT



NOTE 1: THE UNIT OF RESISTANCE "OHM" IS OMITTED.  
 2. ALL RESISTORS ARE 1/8WATT UNLESS OTHERWISE NOTED.  
 3. UNIT OF ALL CAPACITORS ARE F WITH PREFIX SYMBOL.  
 (e.g., P, ETC.)

AND SHADED COMPONENTS  
 = SAFETY RELATED PARTS.  
 \* MARK = X-RAY RELATED PARTS.



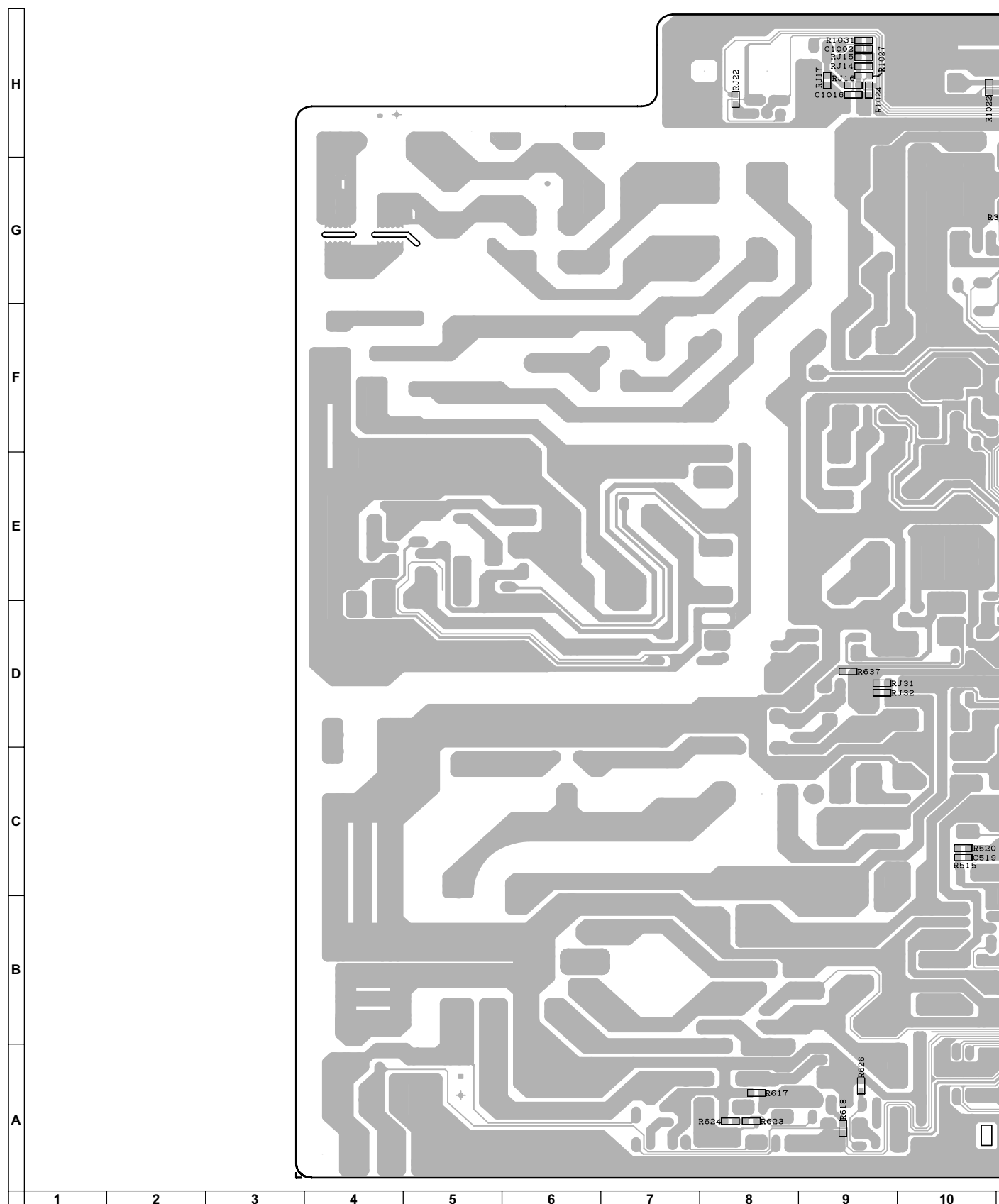
10	11	12	13	14	15	16	17	18	19
----	----	----	----	----	----	----	----	----	----

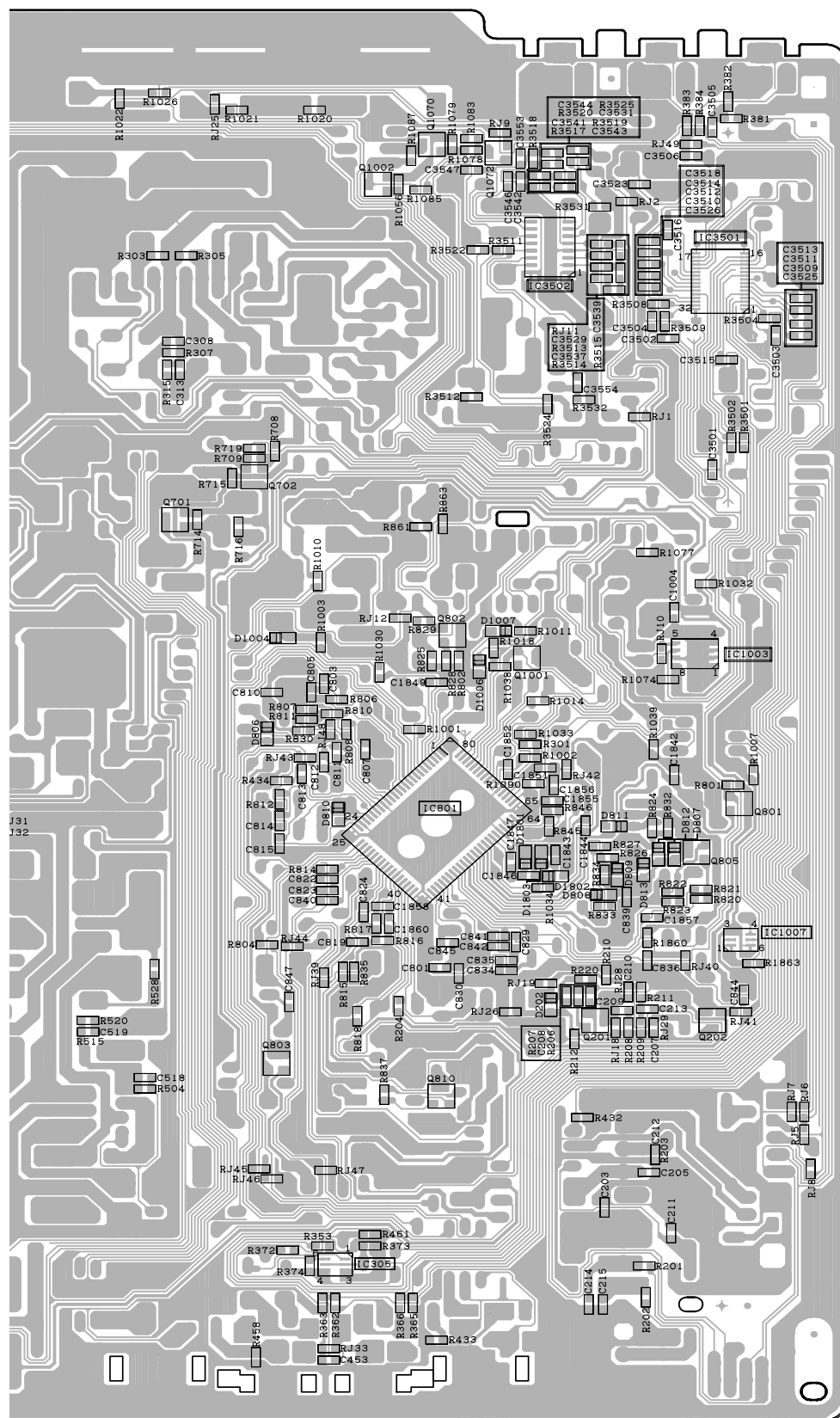
### 1. MAIN UNIT (Component Side)





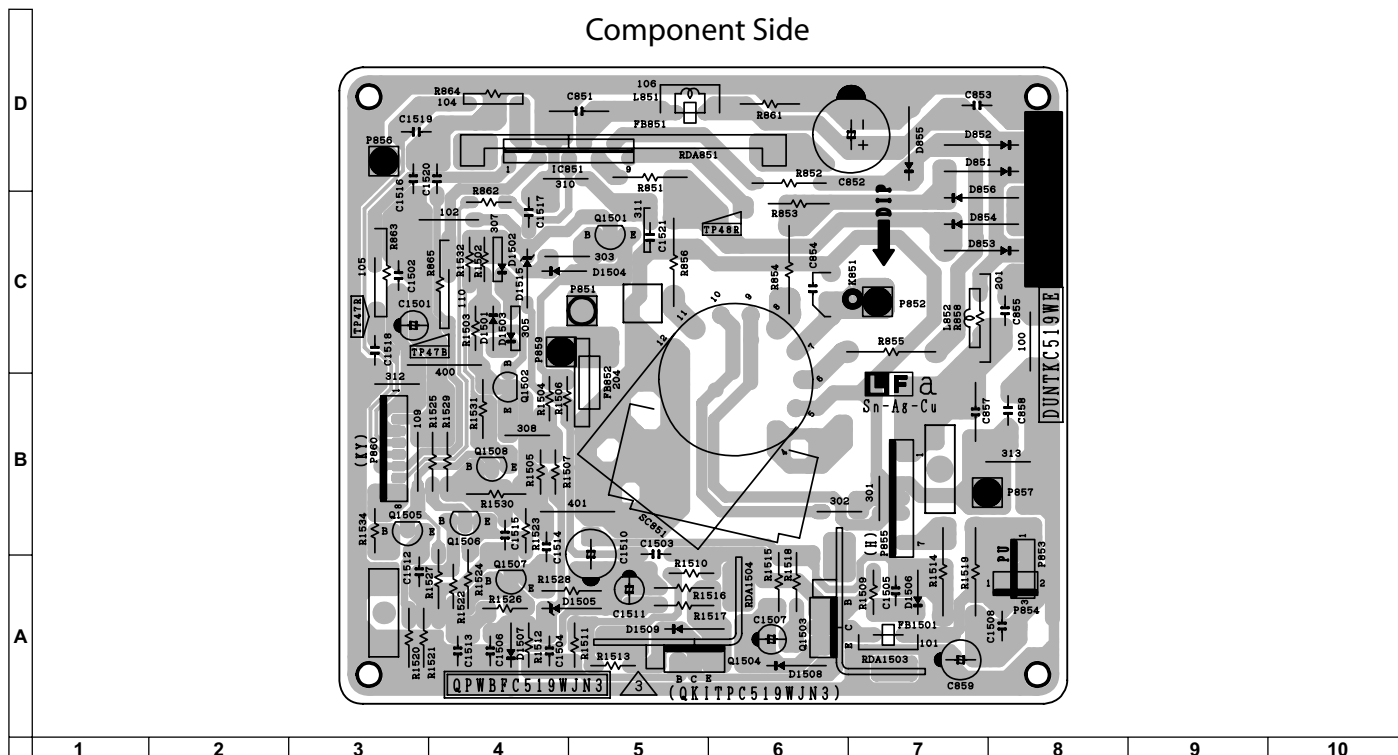
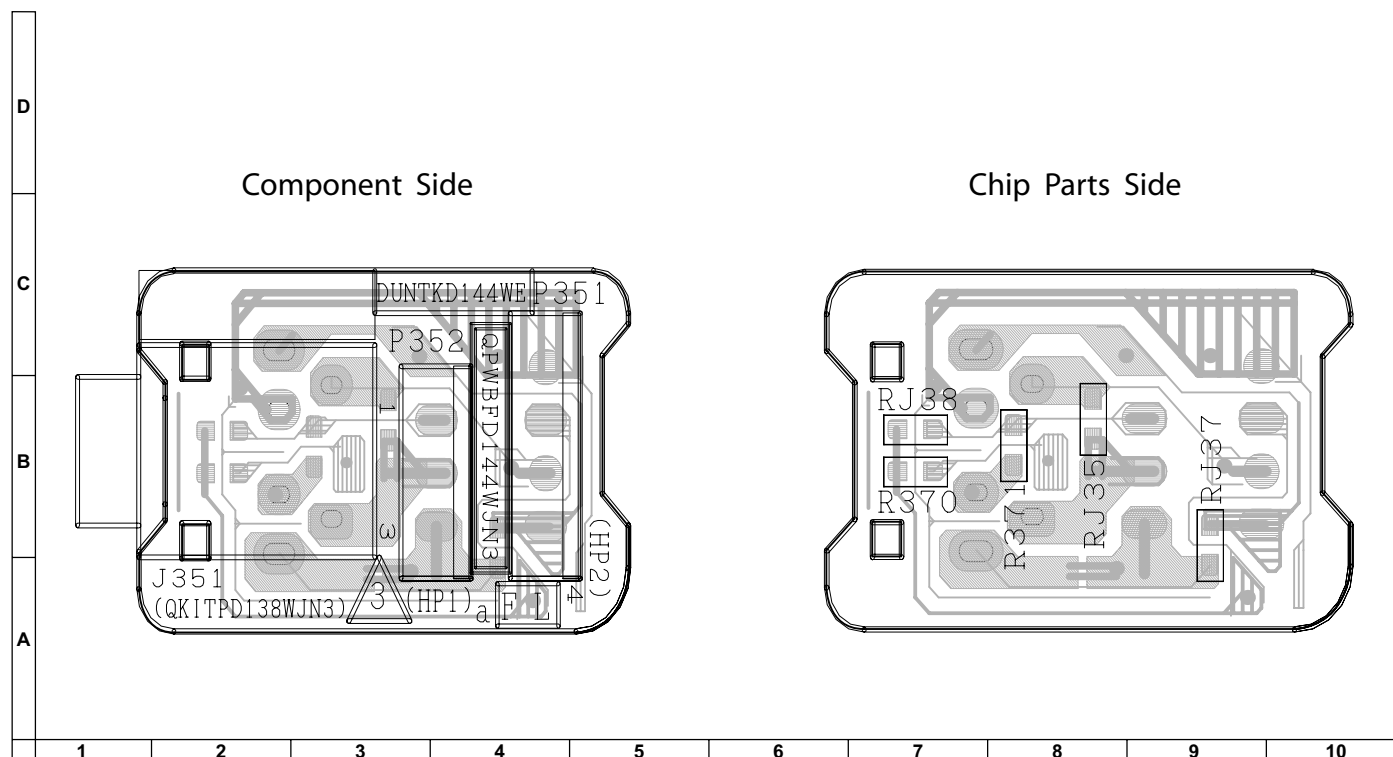
## 2. MAIN UNIT (Chip Parts Side)





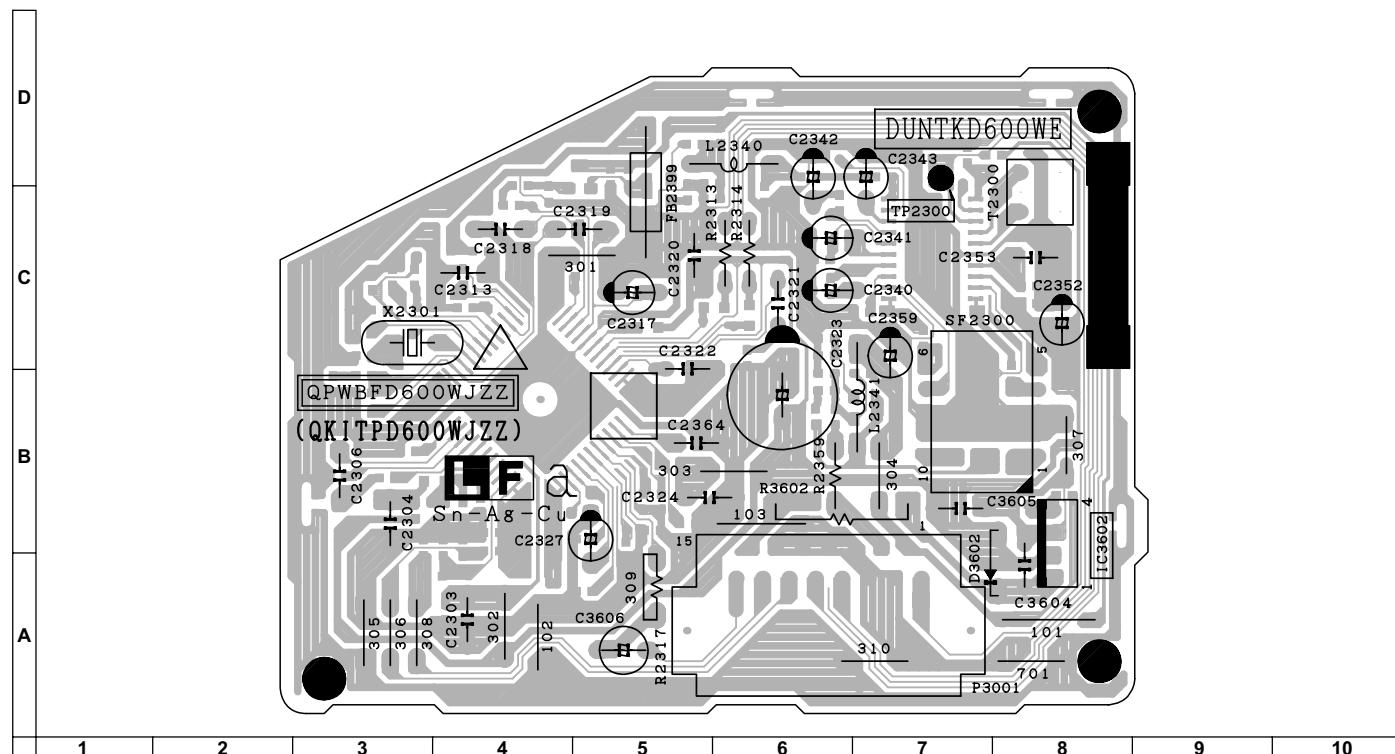
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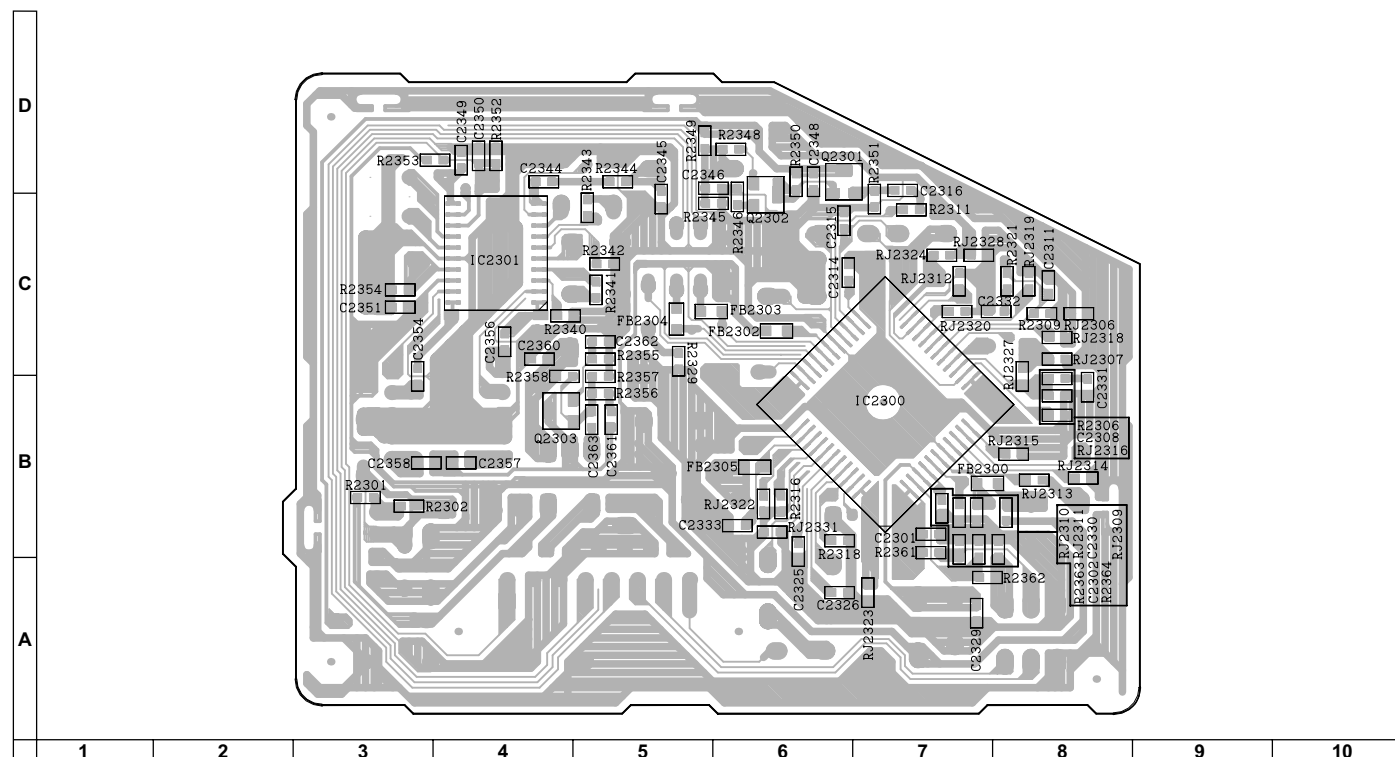
**[2] PWB-B: CRT UNIT****1. CRT UNIT (Component Side)****[3] PWB-C: HEADPHONE UNIT****1. HEADPHONE UNIT (Component Side) (Chip Parts Side)**

#### [4] PWB-D: NICAM UNIT

### 1. NICAM UNIT ( Component Side )



## 2. NICAM UNIT ( Chip Parts Side )



# SHARP PARTS GUIDE

No. S360921KFD5RU

## MODEL 21K-FD5RU

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Parts marked with "△" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
<b>[1] PICTURE TUBE</b>					
△	VB51QGA993X1E			R	Pictube Tube (SEMI-ITC)
△	RCiLGA095WJZZ	AM		R	Degaussing Coil
	QEARCA012WJZZ	AG		R	Ground Part
	PMAGF3046CEZZ	AF		R	Purity Magnet
<b>[2] PRINTED WIRING BOARD ASSEMBLIES</b>					
	DUNTKD138WEA4	-		-	MAIN Unit
	DUNTKC519WEC6	-		-	CRT Unit
	DUNTKD144WEA4	-		-	HEADPHONE Unit
	DUNTKD600WEA1	-		-	NICAM/A2
<b>[3] MAIN UNIT</b>					
△	TU201	RTUNQA024WJZZ	AX		R Tuner
	IC301	VHiAN17820B-1	AL		R IC, AN17820B
	IC305	VSiMX1C/C// -1Y	AC		R IC, IMX1C
△	IC501	VHiSTV9302A-1	AH		R IC, STV9302A
	IC601	VHiPQ09RDA1-1	AF		R IC, PQ090RDA1SZ
△	IC701	VHiSTRW6553-1	AN		R IC, STRW6553
△	IC702	RH-FXA003WJZZ	AD		R IC, PC123Y82
△	IC703	VHiSE125N+-F	AG		R IC, SE125N
	IC751	VHiKiA78D33-1	AF		R IC, KIA78D33
	IC801	RH-iXB584WJZZ			R IC, iXB584W
	IC1003	VHiBR24L16F-1Y	AE		R IC, BR24L16F-WE2
	IC1007	VSiMX1C/C// -1Y	AC		R IC, IMX1C
	IC3501	VHiNJW1142A-1Y	AM		R IC, NJW1142A
	Q201	VS2SC2735//1EY	AC		R Transistor, 2SC2735
	Q202	VS2PD601AR/-1Y	AB		R Transistor, 2PD601AR
	Q601	VS2SC2235Y/1E+	AE		R Transistor, 2SC2235Y
	Q602	VSTT2140++-F	AG		R Transistor, TT2140
	Q603	VS2SC3198-G-1+	AA		R Transistor, 2SC3198
	Q751	VS2SD468-C/-1+	AD		R Transistor, 2SD468
	Q752	VS2SD468-C/-1+	AD		R Transistor, 2SD468
	Q753	VS2SD468-C/-1+	AD		R Transistor, 2SD468
	Q754	VS2SD468-C/-1+	AD		R Transistor, 2SD468
	Q801	VS2PD601AR/-1Y	AB		R Transistor, 2PD601AR
	Q802	VS2PB709AR/-1Y	AB		R Transistor, 2PB709AR
	Q803	VS2PD601AR/-1Y	AB		R Transistor, 2PD601AR
	Q805	VS2PB709AR/-1Y	AB		R Transistor, 2PB709AR
	Q810	VS2PB709AR/-1Y	AB		R Transistor, 2PB709AR
	Q1001	VS2PD601AR/-1Y	AB		R Transistor, 2PD601AR
	Q1002	VS2PD601AR/-1Y	AB		R Transistor, 2PD601AR
	Q1070	VS2PD601AR/-1Y	AB		R Transistor, 2PD601AR
	D201	RH-EX0676GEZZY	AA		R Zener Diode, 33V
	D202	VHD1SS356// -1Y	AC		R Diode, 1SS356
	D203	VHD1SS119// -1Y	AA		R Diode, 1SS119
	D301	VHD1SS119// -1Y	AA		R Diode, 1SS119
	D392	RH-DX0445CEZZ	AL		R Diode, DX0445CE
	D503	RH-EX0724GEZZY	AB		R Zener Diode, 3.53V
	D505	RH-DX0441CEZZY	AC		R Diode, DX0441CE
	D510	RH-DX0131CEZZY	AC		R Diode, DX0131CE
	D602	VHD1SS244// -1Y	AB		R Diode, 1SS244
	D603	RH-EX0667GEZZY	AA		R Zener Diode, 27V
	D605	VHD1SS119// -1Y	AA		R Diode, 1SS119
	D606	RH-DX0131CEZZY	AC		R Diode, DX0131CE
	D607	VHD1SS119// -1Y	AA		R Diode, 1SS119
	D608	RH-EX0617GEZZY	AA		R Zener Diode, 6.2V
△	D701	RH-DX0476CEZZ	AG		R Diode, DX0476CE
	D705	RH-DX0066GEZZY	AC		R Diode, DX0066CE
	D706	RH-DX0066GEZZY	AC		R Diode, DX0066CE
	D714	VHD1SS119// -1Y	AA		R Diode, 1SS119
	D716	RH-EX0339GEZZY	AB		R Diode, EX0339GE
	D751	RH-DXA006WJZZ	AD		R Diode, DXA006WJ
	D753	RH-DX0452CEZZ			R Diode, DX0452CE
	D801	VHD1SS119// -1Y	AA		R Diode, 1SS119
	D802	RH-EX0630GEZZY	AA		R Zener Diode, 9.1V
	D803	VHD1SS119// -1Y	AA		R Diode, 1SS119
	D804	RH-EX0606GEZZY	AB		R Zener Diode, 4.43V
	D805	VHD1SS119// -1Y	AA		R Diode, 1SS119
	D806	RH-EX1393CEZZY	AB		R Zener Diode, 5.2V
	D811	RH-EX0263TAZZY	AC		R Zener Diode, 8.1V
	D812	RH-EX0263TAZZY	AC		R Zener Diode, 8.1V
	D813	RH-EX0263TAZZY	AC		R Zener Diode, 8.1V
	D817	RH-EX0615GEZZY	AA		R Zener Diode, 5.73V
	D818	RH-EX0627GEZZY	AA		R Zener Diode, 8.19V
	D819	RH-EX0612GEZZY	AB		R Zener Diode, 5.1V
	D820	RH-EX0625GEZZY	AB		R Zener Diode, 7.67V
	D1001	RH-PX0013PEZZ	AC		R Diode, Photodiode
	D1002	RH-EX0640GEZZY	AA		R Zener Diode, 12.03V
	D1005	VHD1SS119// -1Y	AA		R Diode, 1SS119
	D1006	RH-EX1393CEZZY	AB		R Zener Diode, 5.2V
	D1007	RH-EX1393CEZZY	AB		R Zener Diode, 5.2V
	D1081	RH-DX0066GEZZY	AC		R Diode, DX0066CE
	D1801	RH-EX0253TAZZY	AC		R Zener Diode, 3.53V
	D1802	RH-EX0253TAZZY	AC		R Zener Diode, 3.53V

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
<b>[3] MAIN UNIT</b>					
	D1803 RH-EX0253TAZZY	AC		R	Zener Diode , 3.53V
	D3501 RH-EX0612GEZZY	AB		R	Zener Diode , 5.1V
	D3502 RH-EX0612GEZZY	AB		R	Zener Diode , 5.1V
△	VA701 RH-VX0073CEZZ	AD		R	Varistor
△	PR701 RMP TP0085CEZZ	AL		R	Packaged Circuit
	X801 RCRSAA019WJZZ	AF		R	Crystal
	X802 RCRSAA067WJZZ			R	Crystal
	L203 VP-DF270K0000Y	AB		R	Peaking 27mH
	L204 VP-XF1R2K0000Y	AB		R	Peaking 1.2mH
	L602 RC i LP0223CEZZ	AE		R	Coil
△	L701 RC i LFA187WJZZ	AD		R	Coil
	L801 VP-DF100K0000Y	AB		R	Peaking 10mH
	L802 VP-CF100K0000Y	AB		R	Peaking 10mH
	L803 VP-CF220K0000Y	AB		R	Peaking 22mH
	L804 VP-CF100K0000Y	AB		R	Peaking 10mH
	L805 VP-CF330K0000Y	AB		R	Peaking 33mH
	L806 VP-DF100K0000Y	AB		R	Peaking 10mH
	L807 VP-DF100K0000Y	AB		R	Peaking 10mH
	L3501 VP-DF100K0000Y	AB		R	Peaking 10mH
	SF201 RF i LC0037PEZZ	AP		R	Filter
△	T602 RTRNFA120WJZZ	AW		R	H-Volt Transformer
△	T603 RTRNZA058WJZZ	AD		R	Transformer
△	T702 RTRNWA205WJZZ	AK		R	Transformer
	C201 VCEA0A1HW105M+	AB		R	1 50V Electrolytic
	C202 VCEA0A0JW108M+	AC		R	1000 6.3V Electrolytic
	C203 VCKYCY1HF103ZY	AA		R	0.01 50V Ceramic
	C206 VCEA0A1HW106M+	AB		R	10 50V Electrolytic
	C207 VCKYCY1HF103ZY	AA		R	0.01 50V Ceramic
	C208 VCKYCY1HF103ZY	AA		R	0.01 50V Ceramic
	C209 VCKYCY1HF103ZY	AA		R	0.01 50V Ceramic
	C210 VCKYCY1HF103ZY	AA		R	0.01 50V Ceramic
	C211 VCKYCY1HF103ZY	AA		R	0.01 50V Ceramic
	C214 VCCCCY1HH390JY	AA		R	39p 50 Ceramic
	C215 VCCCCY1HH390JY	AA		R	39p 50 Ceramic
	C301 VCEA0A1EW477M+	AD		R	470 25V Electrolytic
	C304 VCEA0A1HW475M+	AB		R	4.7 50V Electrolytic
	C308 VCKYCY1HB682KY	AA		R	6800p 50V Ceramic
	C310 VCEA0A1HW224M+	AB		R	0.22 50V Electrolytic
	C311 VCEA0A1HW224M+	AB		R	0.22 50V Electrolytic
	C313 VCKYCY1HB682KY	AB		R	6800p 50V Ceramic
	C319 VCEA0A1CW106M+	AB		R	10 16V Electrolytic
	C320 VCEA0A1CW106M+	AB		R	10 16V Electrolytic
	C322 VCEA0A1HW475M+	AB		R	4.7 50V Electrolytic
	C383 VCEA0A1CW106M+	AB		R	10 16V Electrolytic
	C387 VCEA0A1CW106M+	AB		R	10 16V Electrolytic
	C391 VCKYPA1HB102K+	AA		R	1000p 50V Ceramic
	C393 VCEA0A1EW228M+	AE		R	2200 25V Electrolytic
	C451 VCEA0A1CW477M+	AC		R	470 16V Electrolytic
	C505 VCEA0A1HW107M+	AB		R	100 50V Electrolytic
	C508 VCFYAA2AA224J+	AD		R	0.22 100V Mylar
	C511 VCEA0A1VW477M+	AB		R	470 35V Electrolytic
	C512 VCKYPA2HB102K+	AB		R	1000p 500V Ceramic
	C513 RC-EZA332WJZZ+	AD		R	Capacitor
	C514 VCFYSA1JB273J+	AC		R	0.27 6.3V Mylar
	C515 VCEACA1HC335J+	AC		R	3.3 50V Electrolytic
	C518 VCKYCY1HB103KY	AA		R	0.01 50V Ceramic
	C601 VCQYTA1HM563J+	AB		R	0.056 50V Mylar
	C602 VCEA0A1HW475M+	AB		R	4.7 50V Electrolytic
	C604 VCEA0A2EW336M+	AD		R	33 250V Electrolytic
	C606 VCKYPA2HB102K+	AB		R	1000p 500V Ceramic
△	C607 VCFPVC3ZA902H	AD		R	9000p 1.8kV Metalized Polypro Film
	C608 VCQYTA2AA103K+	AC		R	0.01 100V Mylar
	C610 VCEA0A1EW227M+	AB		R	220 25V Electrolytic
	C611 VCFPVC2DB334J	AD		R	0.33 200V Metalized Polypro Film
	C612 VCKYPA1HB561K+	AA		R	560p 50V Ceramic
	C643 VCEA0A1CW477M+	AC		R	470 16V Electrolytic
	C650 VCKYPA2HB101K+	AB		R	100p 500V Ceramic
△	C701 RC-FZ031SCEZZ	AD		R	Capacitor
	C702 RC-KZ0029CEZZ+	AC		R	0.01 250V Ceramic
	C703 RC-KZ0029CEZZ+	AC		R	0.01 250V Ceramic
	C704 RC-KZ0029CEZZ+	AC		R	0.01 250V Ceramic
△	C705 RC-EZA097WJZZ	AM		R	220 400V Electrolytic
	C706 VCEA0A1VW226M+	AB		R	22 35V Electrolytic
	C709 VCEA0A1HW104M+	AB		R	0.1 50V Electrolytic
	C710 VCKYPA1HF103Z+	AA		R	0.01 50V Ceramic
	C711 VCKYPA1HB332K+	AB		R	3300p 50V Ceramic
	C713 RC-KZ0102GEZZ	AE		R	Capacitor
	C743 VCKYPH3DB561K	AC		R	560p 2kV Ceramic
	C744 VCFYFA1HA105J+	AE		R	1 50V Mylar
△	C750 VCKYPA2HB102K+	AB		R	1000p 500V Ceramic
	C753 RC-EZA523WJZZ	AD		R	Capacitor
	C754 RC-EZA522WJZZ	AD		R	Capacitor
	C756 VCEA0A1EW228M+	AE		R	2200 25V Electrolytic
	C758 VCEA0A1CW476M+	AB		R	47 16V Electrolytic

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
<b>[3] MAIN UNIT</b>					
C784	RC-KZ1018CEZZ+	AC		R	1000p 2kV Ceramic
C802	VCEA0A1AW107M+	AB		R	100 10V Electrolytic
C803	VCKYCY1HB103KY	AA		R	0.01 50V Ceramic
C804	VCEACA1HC474M+	AC		R	0.47 50V Electrolytic
C805	VCKYCY1HB153KY	AA		R	0.15 50V Ceramic
C806	VCEA9M1CW476M+	AB		R	47 16V Electrolytic
C807	VCKYCY1HB103KY	AA		R	0.01 50V Ceramic
C809	VCEA0A1CW476M+	AB		R	47 16V Electrolytic
C810	VCKYCY1HF103ZY	AA		R	0.01 50V Ceramic
C811	VCKYCY1CF105ZY	AA		R	1 16V Ceramic
C812	VCKYCY1HB104KY	AA		R	0.1 50V Ceramic
C813	VCKYCY1HB104KY	AA		R	0.1 50V Ceramic
C814	VCKYCY1HF153ZY	AA		R	0.015 50V Ceramic
C815	VCCCCY1HH121JY	AA		R	120p 50V Ceramic
C816	VCEA9M1HW474M+	AB		R	0.47 50V Electrolytic
C817	VCFYFA1HA224J+	AB		R	0.22 50V MyLAR
C818	VCEA0A1CW476M+	AB		R	47 16V Electrolytic
C819	VCKYCY1HB103KY	AA		R	0.01 50V Ceramic
C820	VCEA0A1HW105M+	AB		R	1 50V Electrolytic
C821	VCEA0A1CW476M+	AB		R	47 16V Electrolytic
C823	VCKYCY1HF103ZY	AA		R	0.01 50V Ceramic
C824	VCKYCY1CF105ZY	AA		R	1 16V Ceramic
C825	VCEA0A1HW474M+	AB		R	0.47 50V Electrolytic
C827	VCEA0A1CW106M+	AB		R	10 16V Electrolytic
C828	VCEA0A1HW474M+	AB		R	0.47 50V Electrolytic
C830	VCKYCY1HB103KY	AA		R	0.01 50V Ceramic
C831	VCEA9M1CW476M+	AB		R	47 16V Electrolytic
C832	VCFYFA1HA104J+	AA		R	0.1 50V Mylar
C833	VCEA9M1HW104M+	AC		R	0.1 50V Electrolytic
C834	VCKYCY1CF104ZY	AA		R	0.1 16V Ceramic
C835	VCKYCY1HF103ZY	AA		R	0.01 50V Ceramic
C836	VCKYCY1HB222KY	AA		R	2200p 50V Ceramic
C838	VCKYPA1HB102K+	AA		R	1000p 50V Ceramic
C837	VCFYFA1HA224J+	AA		R	0.22 50V MyLAR
C839	VCKYCY1HB103KY	AA		R	0.01 50V Ceramic
C840	VCKYCY1CF105ZY	AA		R	1 16V Ceramic
C841	VCKYCY1HB332KY	AA		R	3300p 50V Ceramic
C842	VCKYCY1CF104ZY	AA		R	0.1 16V Ceramic
C843	VCEA0A1HW106M+	AB		R	10 50V Electrolytic
C847	VCKYCY1HB471KY	AA		R	470p 50V Ceramic
C848	VCEA0A1CW477M+	AC		R	470 16V Electrolytic
C1001	VCEA0A1AW107M+	AB		R	100 10V Electrolytic
C1002	VCKYCY1HB681KY	AA		R	680p 50V Ceramic
C1003	VCEA0A1CW106M+	AB		R	10 16V Electrolytic
C1004	VCKYCY1CF474ZY	AB		R	0.47 16V Ceramic
C1006	VCEA0A1HW225M+	AB		R	2.2 50V Electrolytic
C1016	VCKYCY1EF104ZY	AA		R	0.1 25V Ceramic
C1081	VQYTA1HM104J+	AB		R	0.1 50V Ceramic
C1840	VCEA0A1CW477M+	AC		R	470 16V Electrolytic
C1841	VCEA0A1CW477M+	AC		R	470 16V Electrolytic
C1842	VCKYCY1HB103KY	AA		R	0.01 50V Ceramic
C1843	VCKYCY1HB104KY	AA		R	0.1 50V Ceramic
C1844	VCKYCY1HB103KY	AA		R	0.01 50V Ceramic
C1845	VCEA0A0JW477M+	AC		R	470 6.3V Electrolytic
C1846	VCKYCY1HB104KY	AA		R	0.1 50V Ceramic
C1847	VCKYCY1CB273KY	AB		R	0.027 16V Ceramic
C1848	VCEA0A1HW106M+	AB		R	10 50V Electrolytic
C1849	VCKYCY1HB103KY	AA		R	0.01 50V Ceramic
C1851	VCKYCY1HB103KY	AA		R	0.01 50V Ceramic
C1852	VCKYCY1HB103KY	AA		R	0.01 50V Ceramic
C1853	VCEA0A0JW108M+	AC		R	1000 6.3V Electrolytic
C1854	VCEA0A1CW476M+	AB		R	47 16V Electrolytic
C1855	VCCCCY1HH200JY				
C1856	VCCCCY1HH200JY				
C1857	VCKYCY1HB182KY	AA		R	1800p 50V Ceramic
C3501	VCKYCY1HF224ZY	AA		R	0.22 50V Ceramic
C3502	VCKYCY1HF224ZY	AA		R	0.22 50V Ceramic
C3503	VCKYCY1HF224ZY	AA		R	0.22 50V Ceramic
C3504	VCKYCY1HF224ZY	AA		R	0.22 50V Ceramic
C3505	VCKYCY1CF224ZY	AA		R	0.22 16V Ceramic
C3506	VCKYCY1CF224ZY	AA		R	0.22 16V Ceramic
C3507	VCEA0A1HW475M+	AB		R	4.7 50V Electrolytic
C3508	VCEA0A1HW475M+	AB		R	4.7 50V Electrolytic
C3509	VCKYCY1HF223ZY	AB		R	0.022 50V Ceramic
C3510	VCKYCY1HF223ZY	AB		R	0.022 50V Ceramic
C3511	VCKYCY1HB222KY	AA		R	2200p 50V Ceramic
C3512	VCKYCY1HB222KY	AA		R	2200p 50V Ceramic
C3513	VCKYCY1HF224ZY	AA		R	0.22 50V Ceramic
C3514	VCKYCY1HF224ZY	AA		R	0.22 50V Ceramic
C3515	VCKYCY1AB105KY	AA		R	1 10V Ceramic
C3516	VCKYCY1AB105KY	AA		R	1 10V Ceramic
C3517	VCEA0A1HW105M+	AB		R	1 50V Electrolytic
C3518	VCKYCY1CF334ZY	AB		R	0.33 16V Ceramic
C3519	VCEA0A1HW105M+	AB		R	1 50V Electrolytic
C3520	VCEA0A1HW105M+	AB		R	1 50V Electrolytic

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
<b>[3] MAIN UNIT</b>					
C3521	VCEA0A1HW105M+	AB		R	1 50V Electrolytic
C3522	VCEA0A1HW105M+	AB		R	1 50V Electrolytic
C3523	VCKYCY1HB104KY	AA		R	0.1 50V Ceramic
C3524	VCEA0A1CW108M+	AD		R	1000 16V Electrolytic
C3525	VCKYCY1HF103ZY	AA		R	0.01 50V Ceramic
C3526	VCKYCY1HF103ZY	AA		R	0.01 50V Ceramic
RJ1	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
RJ6	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
RJ7	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
RJ9	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
RJ10	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
RJ14	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
RJ17	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
RJ39	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
RJ41	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
RJ42	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
RJ44	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
RJ45	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
RJ46	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
RJ47	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
RJ48	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
R201	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R202	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R205	VRD-RA2BE680JY	AA		R	68 1/8W Carbon
R206	VRS-CY1JF122JY	AA		R	1.2k 1/16W Metal Oxide
R207	VRS-CY1JF221JY	AA		R	220 1/16W Metal Oxide
R208	VRS-CY1JF681JY	AA		R	680 1/16W Metal Oxide
R209	VRS-CY1JF392JY	AA		R	3.9k 1/16W Metal Oxide
R210	VRS-CY1JF392JY	AA		R	3.9k 1/16W Metal Oxide
R211	VRS-CY1JF682JY	AA		R	6.8k 1/16W Metal Oxide
R212	VRS-CY1JF222JY	AA		R	2.2k 1/16W Metal Oxide
R216	VRS-RG3LB333J+	AC		R	33k 3W Metal Oxide
R220	VRS-CY1JF221JY	AA		R	220 1/16W Metal Oxide
R301	VRS-CY1JF102JY	AA		R	1k 1/16W Metal Oxide
R302	VRN-RL3DBR10J+	AB		R	1 2.0W Metal Oxide
R303	VRS-CY1JF473JY	AA		R	47k 1/16W Metal Oxide
R304	VRD-RA2BE683JY	AA		R	68k 1/8W Carbon
R305	VRS-CY1JF274JY	AA		R	270k 1/16W Metal Oxide
R307	VRS-CY1JF182JY	AA		R	1.8k 1/16W Metal Oxide
R308	VRD-RA2BE822JY	AA		R	8.2k 1/8W Carbon
R314	VRD-RA2BE822JY	AA		R	8.2k 1/8W Carbon
R315	VRS-CY1JF182JY	AA		R	1.8k 1/16W Metal Oxide
R318	VRD-RA2BE680JY	AA		R	68 1/8W Carbon
R319	VRD-RA2BE680JY	AA		R	68 1/8W Carbon
R353	VRS-CY1JF102JY	AA		R	1k 1/16W Metal Oxide
R356	VRD-RA2BE102JY	AA		R	1k 1/8W Carbon
R362	VRS-CY1JF332JY	AA		R	3.3k 1/16W Metal Oxide
R366	VRS-CY1JF332JY	AA		R	3.3k 1/16W Metal Oxide
R372	VRS-CY1JF104JY	AA		R	100k 1/16W Metal Oxide
R373	VRS-CY1JF103JY	AA		R	10k 1/16W Metal Oxide
R374	VRS-CY1JF104JY	AA		R	100k 1/16W Metal Oxide
R376	VRD-RA2BE472JY	AA		R	4.7k 1/8W Carbon
R382	VRS-CY1JF332JY	AA		R	3.3k 1/16W Metal Oxide
R384	VRS-CY1JF332JY	AA		R	3.3k 1/16W Metal Oxide
R431	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R432	VRS-CY1JF750JY	AA		R	75 1/16W Metal Oxide
R433	VRS-CY1JF750JY	AA		R	75 1/16W Metal Oxide
R434	VRS-CY1JF750JY	AA		R	75 1/16W Metal Oxide
R435	VRD-RA2BE750JY	AA		R	75 1/8W Carbon
R458	VRS-CY1JF103JY	AA		R	10k 1/16W Metal Oxide
R459	VRD-RA2EE750JY	AA		R	75 1/4W Carbon
R461	VRS-CY1JF750JY	AA		R	75 1/16W Metal Oxide
R462	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R503	VRN-VV3DB2R2J	AB		R	2.2 2W Metal Oxide
R504	VRS-CY1JF562JY	AA		R	5.6k 1/16W Metal Oxide
R505	VRD-RM2HD220JY	AA		R	22 1/2W Carbon
R506	VRS-RG3AB331J+	AB		R	330 1W Metal Oxide
R507	VRD-RM2HD1R0JY	AA		R	1 1/2W Carbon
R513	VRD-RM2HD333JY	AB		R	33k 1/2W Carbon
R514	VRD-RM2HD682JY	AA		R	6.8k 1/2W Carbon
R520	VRS-CY1JF153JY	AA		R	15k 1/16W Metal Oxide
R523	VRD-RA2BE103JY	AA		R	10k 1/8W Carbon
R524	VRD-RA2BE103JY	AA		R	10k 1/8W Carbon
R602	VRD-RA2BE393JY	AA		R	39k 1/8W Carbon
R604	VRD-RA2BE683JY	AA		R	68k 1/8W Carbon
R605	VRD-RM2HD104JY	AA		R	100k 1/2W Carbon
R607	VRD-RM2HD5R6JY	AA		R	5.6 1/2W Carbon
R608	VRD-RM2HD102JY	AA		R	1k 1/2W Carbon
R609	VRD-RM2HD270JY	AA		R	27 1/2W Carbon
R611	VRN-RL3AB1R2J+	AB		R	1.2 1W Metal Film
R612	VRD-RM2HD270JY	AA		R	27 1/2W Carbon
R614	VRD-RA2BE154JY	AA		R	150k 1/8W Carbon
R615	VRD-RA2BE102JY	AA		R	1k 1/8W Carbon
R616	VRD-RA2BE102JY	AA		R	1k 1/8W Carbon
R617	VRS-CY1JF123JY	AA		R	12k 1/16W Metal Oxide

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
<b>[3] MAIN UNIT</b>					
R618	VRS-CY1JF103JY	AA		R	10k 1/16W Metal Oxide
R621	VRN-RL2HC1R0J+	AB		R	1 1/2W Metal Film
R622	VRS-VV3DB682J	AA		R	6.8k 2W Metal Oxide
R625	VRD-RM2HD184JY	AA		R	180k 1/2W Carbon
R626	VRS-CY1JF472JY	AA		R	4.7k 1/16W Metal Oxide
R627	VRD-RA2BE153JY	AA		R	15k 1/8W Carbon
R631	VRS-KT3LB221J	AE		R	220 3W Metal Oxide
R638	VRD-RA2BE331JY	AA		R	330 1/8W Carbon
R639	VRD-RM2HD271JY	AA		R	270 1/2W Carbon
R642	VRN-RL3DB1R0J+	AB		R	1 2W Metal Film
R702	VRD-RM2HD154JY	AA		R	150k 1/2W Carbon
R704	VRD-RA2BE221JY	AA		R	220 1/8W Carbon
R710	VRD-RM2HD220JY	AA		R	22 1/2W Carbon
R711	VRD-RA2EE682JY	AA		R	6.8k 1/4W Carbon
R713	VRD-RA2BE222JY	AA		R	2.2k 1/8W Carbon
R720	VRD-RA2BE393GY	AA		R	39k 1/8W Carbon
R725	VRD-RM2HD821JY	AA		R	820 1/2W Carbon
R726	VRN-RL2HCR47J+	AB		R	0.47 1/2W Metal Film
R751	VRC-UA2HG825KY	AA		R	8.2M 1/2W Solid
R752	VRC-UA2HG825KY	AA		R	8.2M 1/2W Solid
R753	VRD-RM2HD334JY	AA		R	330k 1/2W Carbon
R754	VRN-RL3AB8R2J+	AB		R	8.2 1W Metal Film
R755	VRS-RG3DB151J+	AB		R	150 2W Metal Oxide
R756	VRD-RM2HD100JY	AA		R	10 1/2W Carbon
R757	VRS-VV3DB220J	AA		R	22 2W Metal Oxide
R759	VRD-RM2HD100JY	AA		R	10 1/2W Carbon
R760	VRD-RM2HD100JY	AA		R	10 1/2W Carbon
R801	VRS-CY1JF102JY	AA		R	1k 1/16W Metal Oxide
R803	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R804	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R805	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R806	VRS-CY1JF822JY	AA		R	8.2k 1/16W Metal Oxide
R807	VRS-CY1JF124JY	AA		R	120k 1/16W Metal Oxide
R808	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R809	VRD-RA2BE123JY	AA		R	12k 1/8W Carbon
R810	VRS-CY1JF103JY	AA		R	10k 1/16W Metal Oxide
R811	VRS-CY1JF103JY	AA		R	10k 1/16W Metal Oxide
R812	VRS-CY1JF822JY	AA		R	8.2k 1/16W Metal Oxide
R813	VRD-RM2HD151JY	AA		R	150 1/2W Carbon
R814	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R815	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R816	VRS-CY1JF471JY	AA		R	470 1/16W Metal Oxide
R817	VRS-CY1JF471JY	AA		R	470 1/16W Metal Oxide
R818	VRS-CY1JF220JY	AA		R	22 1/16W Metal Oxide
R819	VRD-RA2BE223JY	AA		R	22k 1/8W Carbon
R820	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R822	VRS-CY1JF181JY	AA		R	180 1/16W Metal Oxide
R823	VRS-CY1JF272JY	AA		R	2.7k 1/16W Metal Oxide
R824	VRS-CY1JF181JY	AA		R	180 1/16W Metal Oxide
R825	VRS-CY1JF473JY	AA		R	47k 1/16W Metal Oxide
R826	VRS-CY1JF181JY	AA		R	180 1/16W Metal Oxide
R827	VRS-CY1JF181JY	AA		R	180 1/16W Metal Oxide
R828	VRS-CY1JF392JY	AA		R	3.9k 1/16W Metal Oxide
R829	VRS-CY1JF473JY	AA		R	47k 1/16W Metal Oxide
R830	VRS-CY1JF472JY	AA		R	4.7k 1/16W Metal Oxide
R832	VRS-CY1JF182JY	AA		R	1.8k 1/16W Metal Oxide
R833	VRS-CY1JF182JY	AA		R	1.8k 1/16W Metal Oxide
R834	VRS-CY1JF182JY	AA		R	1.8k 1/16W Metal Oxide
R837	VRS-CY1JF223JY	AA		R	22k 1/16W Metal Oxide
R840	VRD-RA2EE102JY	AA		R	1k 1/4W Carbon
R841	VRD-RM2HD182JY	AA		R	1.8k 1/2W Carbon
R845	VRS-CY1JF105JY	AA		R	1M 1/16W Metal Oxide
R846	VRS-CY1JF102JY	AA		R	1k 1/16W Metal Oxide
R858	VRS-SV2HC100J	AA		R	10 1/2W Metal Oxide
R1001	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R1002	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
R1003	VRS-CY1JF102JY	AA		R	1k 1/16W Metal Oxide
R1004	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R1006	VRD-RA2BE332JY	AA		R	3.3k 1/8W Carbon
R1007	VRS-CY1JF332JY	AA		R	3.3k 1/16W Metal Oxide
R1008	VRD-RA2BE470JY	AA		R	47 1/8W Carbon
R1009	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R1010	VRS-CY1JF104JY	AA		R	100k 1/16W Metal Oxide
R1011	VRS-CY1JF183JY	AA		R	18k 1/16W Metal Oxide
R1012	VRD-RA2BE183JY	AA		R	18k 1/8W Carbon
R1013	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R1014	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R1015	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R1016	VRD-RA2BE332JY	AA		R	3.3k 1/8W Carbon
R1017	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R1018	VRS-CY1JF103JY	AA		R	10k 1/16W Metal Oxide
R1019	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R1020	VRS-CY1JF183JY	AA		R	18k 1/16W Metal Oxide
R1021	VRS-CY1JF822JY	AA		R	8.2k 1/16W Metal Oxide
R1022	VRS-CY1JF183JY	AA		R	18k 1/16W Metal Oxide

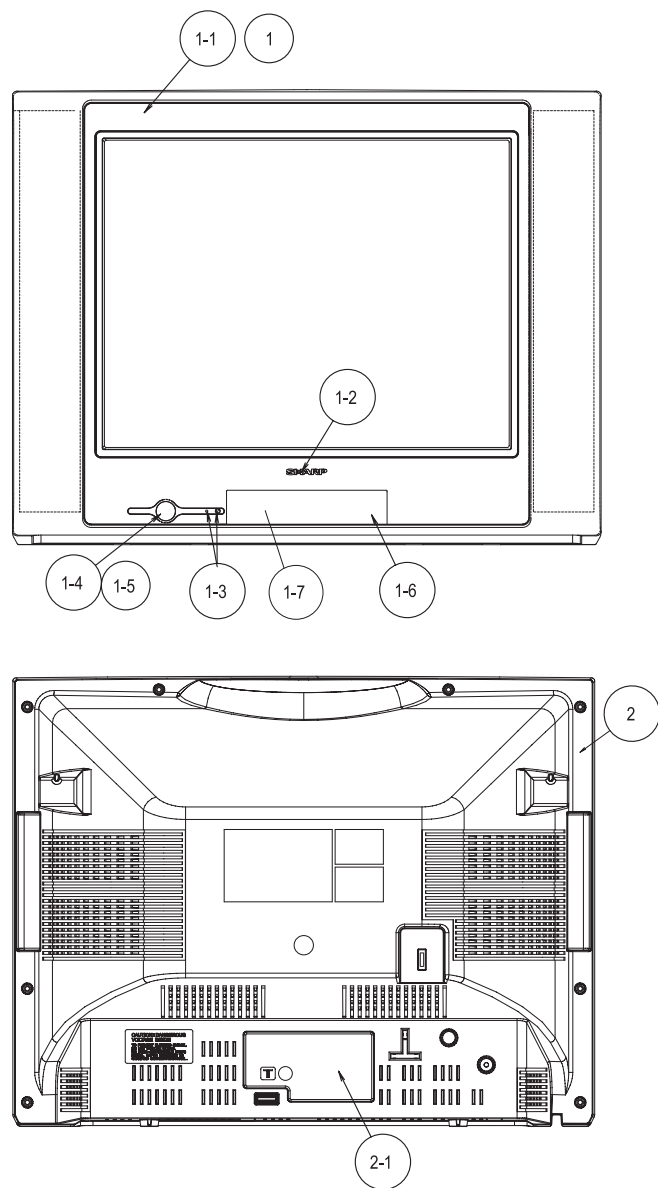


NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
<b>[3] MAIN UNIT</b>					
R1024	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R1025	VRD-RA2BE103JY	AA		R	10k 1/8W Carbon
R1026	VRS-CY1JF183JY	AA		R	18k 1/16W Metal Oxide
R1027	VRS-CY1JF104JY	AA		R	100k 1/16W Metal Oxide
R1028	VRD-RA2BE181JY	AA		R	180 1/8W Carbon
R1029	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R1030	VRS-CY1JF103JY	AA		R	10k 1/16W Metal Oxide
R1031	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R1032	VRS-CY1JF222JY	AA		R	2.2k 1/16W Metal Oxide
R1034	VRS-CY1JF470JY	AA		R	47 1/16W Metal Oxide
R1038	VRS-CY1JF562JY	AA		R	5.6k 1/16W Metal Oxide
R1039	VRS-CY1JF102JY	AA		R	1k 1/16W Metal Oxide
R1056	VRS-CY1JF332JY	AA		R	3.3k 1/16W Metal Oxide
R1074	VRS-CY1JF222JY	AA		R	2.2k 1/16W Metal Oxide
R1078	VRS-CY1JF332JY	AA		R	3.3k 1/16W Metal Oxide
R1079	VRS-CY1JF332JY	AA		R	3.3k 1/16W Metal Oxide
R1087	VRS-CY1JF181JY	AA		R	180 1/16W Metal Oxide
R1863	VRS-CY1JF103JY	AA		R	10k 1/16W Metal Oxide
R3501	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R3502	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R3503	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R3504	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R3506	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R3507	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R3508	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R3509	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
SC304	QSOCZ1541CEZZ	AD		R	Socket , 15 Pin
△ S701	QSW-P0612CEZZ	AG		R	Switch,POWER
S1001	QSW-K0202PEZZ+	AC		R	Switch,CH UP
S1002	QSW-K0202PEZZ+	AC		R	Switch,CH DOWN
S1003	QSW-K0202PEZZ+	AC		R	Switch,VOL UP
S1004	QSW-K0202PEZZ+	AC		R	Switch,VOL DOWN
△ S1005	QSW-K0202PEZZ+	AC		R	Switch,MENU
F701	QFS-C3225CEZZ	AC		R	Fuse , 3.15A 250V
FB601	RBLN-0091GEZZY	AB		R	Balun
FH701	QFSDH1013CEZZ+	AC		R	Fuse Holder
FH702	QFSDH1014CEZZ+	AC		R	Fuse Holder
J401	QJAKGA015WJZZ	AH		R	Jack , 5 Pin
J402	QJAKE0211CE04	AD		R	AV-2 In Jack
J403	QJAKE0211CE09	AD		R	AV-2 In Jack
J404	QJAKE0210CE02	AC		R	Jack
J405	QTANJ0644CEZZ	AM		R	Jack
P302	QPLGN0461CEZZA	AB		R	Plug , 4Pin(HP)
P304	QPLGN0761CEZZA	AC		R	Plug
P601	QPLGN0660CEZZ	AC		R	Plug , 6Pin(K1-6)
P602	QPLGN0561CEZZA	AB		R	Plug , 5Pin(H)
P701	QPLGN0260CEZZ	AC		R	Plug , 2Pin(M)
P702	QPLGN0269GEZZ	AB		R	Plug
P1001	QPLGN0578GEZZ	AB		R	Plug , 5Pin(K)
P1002	QPLGN0561CEZZ	AB		R	Plug , 5Pin(BC)
RMC1001	RRMCUA024WJZZ	AG		R	Remote Receiver
RDA301	PRDARA119WJFW	AF		R	HEAT SINK , IC301
RDA392	PRDARA181WJFW	AC		R	HEAT SINK , D392
RDA501	PRDARA120WJFW	AD		R	HEAT SINK , IC501
RDA601	PRDARA181WJFW	AC		R	HEAT SINK , IC601
RDA602	PRDAR0337PEFW	AD		R	HEAT SINK , Q602
RDA701	PRDARA119WJFW	AF		R	HEAT SINK , IC701
NR701	RH-HXA013WJZZ+	AD		R	Thermistor
<b>[4] CRT UNIT</b>					
IC851	VHiTDA6107J-1	AM		R	IC , TDA6107J
D851	RH-DX0220CEZZY	AB		R	Diode , DX0220CE
D852	RH-DX0220CEZZY	AB		R	Diode , DX0220CE
D853	RH-DX0220CEZZY	AB		R	Diode , DX0220CE
D854	RH-DX0220CEZZY	AB		R	Diode , DX0220CE
D855	RH-DX0220CEZZY	AB		R	Diode , DX0220CE
D856	RH-DX0220CEZZY	AB		R	Diode , DX0220CE
C851	VCFYSB2EB823J	AD		R	0.082 250V Mylar
C852	VCEA0A2EW106M+	AD		R	10 250V Electrolytic
C853	VCKYPA2HB221K+	AB		R	220p 500V Ceramic
C854	RC-KZ018JCEZZ	AC		R	0.1 250V Porcelain
C855	VCKYPA2HB221K+	AB		R	220p 500V Ceramic
C857	VCFYSB2EB823J	AD		R	0.082 250V Mylar
C1517	VCKYPA2HB102K+	AA		R	1000p 500V Ceramic
R851	VRD-RM2HD101JY	AA		R	100 1/8W Carbon
R852	VRD-RM2HD101JY	AA		R	100 1/8W Carbon
R853	VRD-RM2HD101JY	AA		R	100 1/8W Carbon
R854	VRC-MA2HG152KY	AA		R	1.5k 1/2W Solid
R855	VRC-MA2HG152KY	AA		R	1.5k 1/2W Solid
R856	VRC-MA2HG152KY	AA		R	1.5k 1/2W Solid
R858	VRS-SV2HC100J	AA		R	10 1/2W Metal Oxide
△ R861	VRD-RM2HD224JY	AA		R	220k 1/2W Carbon
△ R863	VRD-RA2BE102JY	AA		R	1k 1/8W Carbon
R864	VRD-RA2BE102JY	AA		R	1k 1/8W Carbon

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
<b>[4] CRT UNIT</b>					
R865	VRD-RA2BE102JY	AA		R	1k 1/8W Carbon
RDA851	PRDAR0248PEFW	AF		R	HEAT SINK , IC851
FB852	RBLN-A034WJZZY	AA		R	Balun
P855	QPLGN0761CEZZ	AA		R	Socket , 7 Pin
P860	QPLGN0878GEZZ	AC		R	Socket , 8 Pin
SC851	QSOCVA023WJZZ			R	Socket , 12 Pin
<b>[5] HEADPHONE UNIT</b>					
R370	VRS-CY1JF471JY	AA		R	470 1/16W Metal Oxide
R371	VRS-CY1JF471JY	AA		R	470 1/16W Metal Oxide
J351	QJAKJ0101SEZZ	AE		R	Jack , 7 Pin
P351	QPLGNA109WJZZ	AB		R	Plug , 4 Pin
P352	QPLGNA108WJZZ	AB		R	Plug , 3 Pin
<b>[6] NICAM/A2</b>					
IC2300	VH i TDA9874A-1Q	BB		R	IC , TDA9874A
IC2301	VH i TDA9808T-1Y	AR		R	IC , TDA9808T
IC3602	VH i PQ05RDA1-1	AF		R	IC , PQ05RDA1
Q2301	VS2PD601AR/-1Y	AB		R	Transistor , 2PD601AR
Q2302	VS2SC2735//1EY	AC		R	Transistor , 2SC2735
Q2303	VS2SC2735//1EY	AC		R	Transistor , 2SC2735
D3602	VHD1SS119//1Y	AA		R	Diode , 1SS119
X2301	RCRSB0295CEZZ	AH		R	Crystal
L2340	VP-XF220K0000Y	AB		R	Coil
L2341	VP-XF1R2M0000Y	AB		R	Coil
SF2300	RF i LC0016PEZZ	AS		R	Filter
T2300	RC i LD0231CEZZ	AF		R	Transformer
TP2300	QLUGP0111GEFW	AA		R	Test Point Pin
C2301	VCKYCY1HF103ZY	AA		R	0.01 50V Ceramic
C2302	VCKYCY1HF103ZY	AA		R	0.01 50V Ceramic
C2303	VCFYFA1HA474J+	AC		R	0.47 50V Mylar
C2304	VCFYFA1HA474J+	AC		R	0.47 50V Mylar
C2313	VCFYFA1HA474J+	AC		R	0.47 50V Mylar
C2314	VCCCCY1HH470JY	AA		R	47p 50V Ceramic
C2315	VCKYCY1HF103ZY	AA		R	0.01 50V Ceramic
C2316	VCCCCY1HH470JY	AA		R	47p 50V Ceramic
C2317	VCEA0A1HW105M+	AB		R	1 50V Electrolytic
C2320	VCFYFA1HA474J+	AC		R	0.47 50V Mylar
C2323	VCEA0A1CW108M+	AD		R	1000 16V
C2324	VCFYFA1HA474J+	AC		R	0.47 50V Mylar
C2325	VCKYCY1HF103ZY	AA		R	0.01 50V Ceramic
C2326	VCKYCY1HF103ZY	AA		R	0.01 50V Ceramic
C2327	VCEA0A1CW476M+	AB		R	47 16V Electrolytic
C2340	VCEA0A1HW224M+	AB		R	0.22 50V Electrolytic
C2341	VCEA0A1HW104M+	AB		R	0.1 50V Electrolytic
C2342	VCEA0A1CW226M+	AB		R	22 16V Electrolytic
C2343	VCE9GA1HW105M+	AB		R	1 50V Electrolytic
C2344	VCKYCY1HF103ZY	AA		R	0.01 50V Ceramic
C2352	VCEA0A1CW476M+	AB		R	47 16V Electrolytic
C2353	VCFYFA1HA124J+	AC		R	0.12 50V Mylar
C2345	VCCCCY1HH330JY	AA		R	33p 50V Ceramic
C2346	VCCCCY1HH330JY	AA		R	33p 50V Ceramic
C2348	VCKYCY1HF103ZY	AA		R	0.01 50V Ceramic
C2349	VCKYCY1HF103ZY	AA		R	0.01 50V Ceramic
C2350	VCKYCY1HF103ZY	AA		R	0.01 50V Ceramic
C2351	VCKYCY1HF103ZY	AA		R	0.01 50V Ceramic
C2354	VCKYCY1HF103ZY	AA		R	0.01 50V Ceramic
C2356	VCKYCY1HF103ZY	AA		R	0.01 50V Ceramic
C2357	VCKYCY1HF103ZY	AA		R	0.01 50V Ceramic
C2358	VCKYCY1HF103ZY	AA		R	0.01 50V Ceramic
C2359	VCEA0A1CW106M+	AA		R	10 16V Electrolytic
C2360	VCKYCY1HF103ZY	AA		R	0.01 50V Ceramic
C2361	VCKYCY1HF103ZY	AA		R	0.01 50V Ceramic
C2362	VCKYCY1HF103ZY	AA		R	0.01 50V Ceramic
C2363	VCKYCY1HF103ZY	AA		R	0.01 50V Ceramic
C3604	VCFYFA1HA334J+	AA		R	0.33 50V Mylar
C3605	VCCYTA1HM104J+	AB		R	0.1 50V Ceramic
C3606	VCE9GA1HW104M+	AB		R	0.1 50V Electrolytic
RJ2309	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
RJ2310	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
RJ2311	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
RJ2312	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
RJ2314	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
RJ2315	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
RJ2316	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
RJ2318	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
RJ2319	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
RJ2320	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
RJ2322	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
RJ2323	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
RJ2327	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
RJ2328	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
RJ2331	VRS-CY1JF000JY	AA		R	0 1/16W Metal Oxide
R2301	VRS-CY1JF223JY	AA		R	22k 1/16W Metal Oxide
R2302	VRS-CY1JF682JY	AA		R	6.8k 1/16W Metal Oxide

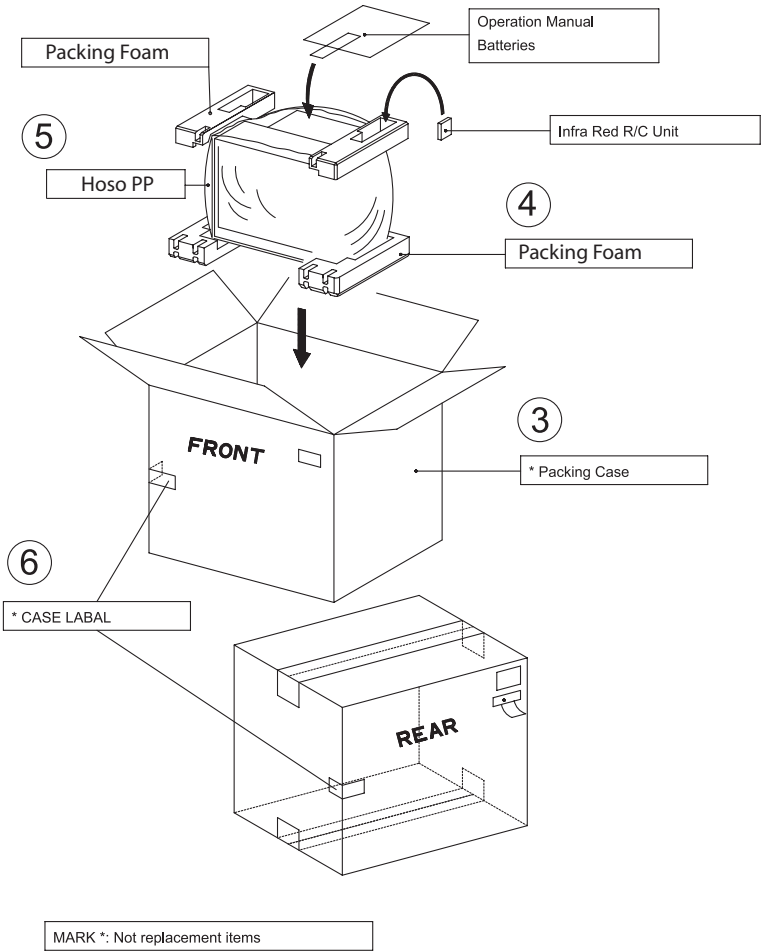
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
<b>[6] NICAM/A2</b>					
R2309	VRS-CY1JF822JY	AA		R	8.2k 1/16W Metal Oxide
R2311	VRS-CY1JF102JY	AA		R	1k 1/16W Metal Oxide
R2313	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R2314	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R2316	VRS-CY1JF222JY	AA		R	2.2k 1/16W Metal Oxide
R2317	VRD-RA2BE101JY	AA		R	100 1/8W Carbon
R2318	VRS-CY1JF222JY	AA		R	2.2k 1/16W Metal Oxide
R2340	VRS-CY1JF223JY	AA		R	22k 1/16W Metal Oxide
R2341	VRS-CY1JF181JY	AA		R	180 1/16W Metal Oxide
R2342	VRS-CY1JF183JY	AA		R	18k 1/16W Metal Oxide
R2343	VRS-CY1JF561JY	AA		R	560 1/16W Metal Oxide
R2344	VRS-CY1JF102JY	AA		R	1k 1/16W Metal Oxide
R2345	VRS-CY1JF183JY	AA		R	180 1/16W Metal Oxide
R2348	VRS-CY1JF221JY	AA		R	220 1/16W Metal Oxide
R2346	VRS-CY1JF102JY	AA		R	1k 1/16W Metal Oxide
R2349	VRS-CY1JF393JY	AA		R	39k 1/16W Metal Oxide
R2350	VRS-CY1JF152JY	AA		R	1.5k 1/16W Metal Oxide
R2351	VRS-CY1JF102JY	AA		R	1k 1/16W Metal Oxide
R2352	VRS-CY1JF823JY	AA		R	82k 1/16W Metal Oxide
R2353	VRS-CY1JF823JY	AA		R	82k 1/16W Metal Oxide
R2354	VRS-CY1JF225JY	AA		R	22 1/16W Metal Oxide
R2355	VRS-CY1JF101JY	AA		R	100 1/16W Metal Oxide
R2356	VRS-CY1JF102JY	AA		R	1k 1/16W Metal Oxide
R2357	VRS-CY1JF122JY	AA		R	1.2k 1/16W Metal Oxide
R2358	VRS-CY1JF392JY	AA		R	3.9k 1/16W Metal Oxide
R2359	VRD-RA2BE151JY	AA		R	150 1/8W Carbon
R2361	VRS-CY1JF102JY	AA		R	1k 1/16W Metal Oxide
R2362	VRS-CY1JF102JY	AA		R	1k 1/16W Metal Oxide
R3602	VRS-VV3DB180J	AA		R	18 2W Metal Oxide
SF2300	RFILC0016PEZZ	AB		R	Filter
FB2300	RBLN-0062TAZZY	AB		R	Balun
FB2302	RBLN-0062TAZZY	AB		R	Balun
FB2305	RBLN-0062TAZZY	AB		R	Balun
FB2303	RBLN-0067CEZZY	AB		R	Balun
FB2304	RBLN-0067CEZZY	AB		R	Balun
P3001	QPLGZ1541CEZZ	AD		R	Plug , 15Pin
-	PSLDMA097WJFW	AD		R	Shield Case
<b>[7] MISCELLANEOUS PARTS</b>					
△	QACCBAA048WJPZ			R	AC CORD
	SP301 VSP1206PB81WA	AP		R	SPEAKER 16 OHM
	QCNW-B266WJZZ	AF		R	H/P WIRE
	QCNW-D985WJZZ	AE		R	H-WIRE
	QCNW-D986WJZZ	AE		R	K-WIRE
	QCNW-D818WJPZ	AF		R	SP WIRE
<b>[8] SUPPLIED ACCESSORIES</b>					
	RRMCG1577PESB			R	Infrared Remote Control Unit
	TGAN-A101WJZZ			R	Warranty Card
	TINS-C150WJZZ			R	Operation Manual

[9] CABINET PARTS



NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[9] CABINET PARTS					
1	CCABAB153WEV0			R	Front Cabinet Ass'y
1-1	Not Available	-		-	Front Cabinet
1-2	HBDBG3155CESA	AF		R	SHARP Badge
1-3	GCOVAB341WJSA	AC		R	LED , R/C Cover
1-4	CBTN-A484WEV0	AG		R	Power Button Ass'y
1-5	MSPRCA067WJFW	AB		R	Power Button Spring
1-6	GDORFA166WJSA	AK		R	Door
1-7	HiNDPB380WJZZ	AE		R	Indication Plate
2	CCABBA631WEV0	BE		R	Rear Cabinet Ass'y
2-1	HiNDPB418WJZZ	AF		R	Indication Plate(Rear)

[10] PACKING PARTS



NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[10] PACKING PARTS					
3	SPAKCC274WJZZ	-		-	Packing Case
4	SPAKXA841WJZZ	-		-	Packing Foam
5	SPAKPA771WJZZ	-		-	Hoso PP
6	TLABZB080WJZZ	-		-	Case Label

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PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
<b>【 C 】</b>				
CBTN-A484WEV0	9-1-4	AG		R
CCABAB153WEV0	9-1			R
CCABBA631WEV0	9-2	BE		R
<b>【 D 】</b>				
DUNTKC519WEC6	2-	-		-
DUNTKD138WEA4	2-	-		-
DUNTKD144WEA4	2-	-		-
DUNTKD600WEA1	2-	-		-
<b>【 G 】</b>				
GCOVAB341WJSA	9-1-3	AC		R
GDORFA166WJSA	9-1-6	AK		R
<b>【 H 】</b>				
HBDGB3155CESA	9-1-2	AF		R
HINDPB380WJZZ	9-1-7	AE		R
HINDPB418WJZZ	9-2-1	AF		R
<b>【 M 】</b>				
MSPRCA067WJFW	9-1-5	AB		R
<b>【 N 】</b>				
Not Available	9-1-1	-		-
<b>【 P 】</b>				
PMAGF3046CEZZ	1-	AF		R
PRDAR0248PEFW	4-RDA851	AF		R
PRDAR0337PEFW	3-RDA602	AD		R
PRDARA119WJFW	3-RDA301	AF		R
"	3-RDA701	AF		R
PRDARA120WJFW	3-RDA501	AD		R
PRDARA181WJFW	3-RDA392	AC		R
"	3-RDA601	AC		R
PSLDMA097WJFW	6--	AD		R
<b>【 Q 】</b>				
QACCB048WJPZ	7-			R
QCNW-B266WJZZ	7-	AF		R
QCNW-D818WJPZ	7-	AF		R
QCNW-D985WJZZ	7-	AE		R
QCNW-D986WJZZ	7-	AE		R
QEARCA012WJZZ	1-	AG		R
QFS-C3225CEZZ	3-F701	AC		R
QFSHD1013CEZZ+	3-FH701	AC		R
QFSHD1014CEZZ+	3-FH702	AC		R
QJAKE0210CE02	3-J404	AC		R
QJAKE0211CE04	3-J402	AD		R
QJAKE0211CE09	3-J403	AD		R
QJAKGA015WJZZ	3-J401	AH		R
QJAKJ0101SEZZ	5-J351	AE		R
QLUGP0111GEFW	6-TP2300	AA		R
QPLGN0260CEZZ	3-P701	AC		R
QPLGN0269GEZZ	3-P702	AB		R
QPLGN0461CEZZA	3-P302	AB		R
QPLGN0561CEZZ	3-P1002	AB		R
QPLGN0561CEZZA	3-P602	AB		R
QPLGN0578GEZZ	3-P1001	AB		R
QPLGN0660CEZZ	3-P601	AC		R
QPLGN0761CEZZ	4-P855	AA		R
QPLGN0761CEZZA	3-P304	AC		R
QPLGN0878GEZZ	4-P860	AC		R
QPLGNA108WJZZ	5-P352	AB		R
QPLGNA109WJZZ	5-P351	AB		R
QPLGZ1541CEZZ	6-P3001	AD		R
QSOCVA023WJZZ	4-SC851			R
QSOCZ1541CEZZ	3-SC304	AD		R
QSW-K0202PEZZ+	3-S1001	AC		R
"	3-S1002	AC		R
"	3-S1003	AC		R
"	3-S1004	AC		R
"	3-S1005	AC		R
QSW-P0612CEZZ	3-S701	AG		R
QTANJ0644CEZZ	3-J405	AM		R
<b>【 R 】</b>				
RBLN-0062TAZZY	6-FB2300	AB		R
"	6-FB2302	AB		R
"	6-FB2305	AB		R
RBLN-0067CEZZY	6-FB2303	AB		R
"	6-FB2304	AB		R
RBLN-0091GEZZY	3-FB601	AB		R
RBLN-A034WJZZY	4-FB852	AA		R
RC-EZA097WJZZ	3-C705	AM		R
RC-EZA332WJZZ+	3-C513	AD		R
RC-EZA522WJZZ	3-C754	AD		R

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
RC-EZA523WJZZ	3-C753	AD		R
RC-FZ031SCEZZ	3-C701	AD		R
RCILD0231CEZZ	6-T2300	AF		R
RCILFA187WJZZ	3-L701	AD		R
RCILGA095WJZZ	1-	AM		R
RCILP0223CEZZ	3-L602	AE		R
RC-KZ0029CEZZ+	3-C702	AC		R
"	3-C703	AC		R
"	3-C704	AC		R
RC-KZ0102GEZZ	3-C713	AE		R
RC-KZ018JCEZZ	4-C854	AC		R
RC-KZ1018CEZZ+	3-C784	AC		R
RCRSAA019WJZZ	3-X801	AF		R
RCRSAA067WJZZ	3-X802			R
RCRSB0295CEZZ	6-X2301	AH		R
RFILC0016PEZZ	6-SF2300	AB		R
"	6-SF2300	AS		R
RFILC0037PEZZ	3-SF201	AP		R
RH-DX0066GEZZY	3-D705	AC		R
"	3-D706	AC		R
"	3-D1081	AC		R
RH-DX0131CEZZY	3-D510	AC		R
"	3-D606	AC		R
RH-DX0220CEZZY	4-D851	AB		R
"	4-D852	AB		R
"	4-D853	AB		R
"	4-D854	AB		R
"	4-D855	AB		R
"	4-D856	AB		R
RH-DX0441CEZZY	3-D505	AC		R
RH-DX0445CEZZ	3-D392	AL		R
RH-DX0452CEZZ	3-D753			R
RH-DX0476CEZZ	3-D701	AG		R
RH-DXA006WJZZ	3-D751	AD		R
RH-EX0253TAZZY	3-D1801	AC		R
"	3-D1802	AC		R
"	3-D1803	AC		R
RH-EX0263TAZZY	3-D811	AC		R
"	3-D812	AC		R
"	3-D813	AC		R
RH-EX0339GEZZY	3-D716	AB		R
RH-EX0606GEZZY	3-D804	AB		R
RH-EX0612GEZZY	3-D819	AB		R
"	3-D3501	AB		R
"	3-D3502	AB		R
RH-EX0615GEZZY	3-D817	AA		R
RH-EX0617GEZZY	3-D608	AA		R
RH-EX0625GEZZY	3-D820	AB		R
RH-EX0627GEZZY	3-D818	AA		R
RH-EX0630GEZZY	3-D802	AA		R
RH-EX0640GEZZY	3-D1002	AA		R
RH-EX0667GEZZY	3-D603	AA		R
RH-EX0676GEZZY	3-D201	AA		R
RH-EX0724GEZZY	3-D503	AB		R
RH-EX1393CEZZY	3-D806	AB		R
"	3-D1006	AB		R
"	3-D1007	AB		R
RH-FXA003WJZZ	3-IC702	AD		R
RH-HXA013WJZZ+	3-NR701	AD		R
RH-IXB584WJZZ	3-IC801			R
RH-PX0013PEZZ	3-D1001	AC		R
RH-VX0073CEZZ	3-VA701	AD		R
RMPTP0085CEZZ	3-PR701	AL		R
RRMCG1577PESB	8-			R
RRMCUA024WJZZ	3-RMC1001	AG		R
RTRNFA120WJZZ	3-T602	AW		R
RTRNWA205WJZZ	3-T702	AK		R
RTRNZA058WJZZ	3-T603	AD		R
RTUNQA024WJZZ	3-TU201	AX		R
<b>【 S 】</b>				
SPAKCC274WJZZ	10-3	-		-
SPAKPA771WJZZ	10-5	-		-
SPAKXA841WJZZ	10-4	-		-
<b>【 T 】</b>				
TCAUAA005WJZZ	8-	AA		R
TGAN-A101WJZZ	8-			R
TINS-C150WJZZ	8-			R
TLABZB080WJZZ	10-6	-		-
<b>【 V 】</b>				

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
VB51QGA993X1E	1-			R
VCCCCY1HH121JY	3-C815	AA		R
VCCCCY1HH200JY	3-C1855			
"	3-C1856			
VCCCCY1HH330JY	6-C2345	AA		R
"	6-C2346	AA		R
VCCCCY1HH390JY	3-C214	AA		R
"	3-C215	AA		R
VCCCCY1HH470JY	6-C2314	AA		R
"	6-C2316	AA		R
VCE9GA1HW104M+	6-C3606	AB		R
VCE9GA1HW105M+	6-C2343	AB		R
VCEA0A0JW108M+	3-C202	AC		R
"	3-C1853	AC		R
VCEA0A0JW477M+	3-C1845	AC		R
VCEA0A1AW107M+	3-C802	AB		R
"	3-C1001	AB		R
VCEA0A1CW106M+	3-C319	AB		R
"	3-C320	AB		R
"	3-C383	AB		R
"	3-C387	AB		R
"	3-C827	AB		R
"	3-C1003	AB		R
"	6-C2359	AA		R
VCEA0A1CW108M+	3-C3524	AD		R
"	6-C2323	AD		R
VCEA0A1CW226M+	6-C2342	AB		R
VCEA0A1CW476M+	3-C758	AB		R
"	3-C809	AB		R
"	3-C818	AB		R
"	3-C821	AB		R
"	3-C1854	AB		R
"	6-C2327	AB		R
"	6-C2352	AB		R
VCEA0A1CW477M+	3-C451	AC		R
"	3-C643	AC		R
"	3-C848	AC		R
"	3-C1840	AC		R
"	3-C1841	AC		R
VCEA0A1EW227M+	3-C610	AB		R
VCEA0A1EW228M+	3-C393	AE		R
"	3-C756	AE		R
VCEA0A1EW477M+	3-C301	AD		R
VCEA0A1HW104M+	3-C709	AB		R
"	6-C2341	AB		R
VCEA0A1HW105M+	3-C201	AB		R
"	3-C820	AB		R
"	3-C3517	AB		R
"	3-C3519	AB		R
"	3-C3520	AB		R
"	3-C3521	AB		R
"	3-C3522	AB		R
"	6-C2317	AB		R
VCEA0A1HW106M+	3-C206	AB		R
"	3-C843	AB		R
"	3-C1848	AB		R
VCEA0A1HW107M+	3-C505	AB		R
VCEA0A1HW224M+	3-C310	AB		R
"	3-C311	AB		R
"	6-C2340	AB		R
VCEA0A1HW225M+	3-C1006	AB		R
VCEA0A1HW474M+	3-C825	AB		R
"	3-C828	AB		R
VCEA0A1HW475M+	3-C304	AB		R
"	3-C322	AB		R
"	3-C602	AB		R
"	3-C3507	AB		R
"	3-C3508	AB		R
VCEA0A1VW226M+	3-C706	AB		R
VCEA0A1VW477M+	3-C511	AB		R
VCEA0A2EW106M+	4-C852	AD		R
VCEA0A2EW336M+	3-C604	AD		R
VCEA9M1CW476M+	3-C806	AB		R
"	3-C831	AB		R
VCEA9M1HW104M+	3-C833	AC		R
VCEA9M1HW474M+	3-C816	AB		R
VCEACA1HC335J+	3-C515	AC		R
VCEACA1HC474M+	3-C804	AC		R
VCFPVC2DB334J	3-C611	AD		R
VCFPVC3ZA902H	3-C607	AD		R
VCFYAA2AA224J+	3-C508	AD		R
VCFYFA1HA104J+	3-C832	AA		R

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
VCFYFA1HA105J+	3-C744	AE		R
VCFYFA1HA124J+	6-C2353	AC		R
VCFYFA1HA224J+	3-C817	AB		R
"	3-C837	AA		R
VCFYFA1HA334J+	6-C3604	AA		R
VCFYFA1HA474J+	6-C2303	AC		R
"	6-C2304	AC		R
"	6-C2313	AC		R
"	6-C2320	AC		R
"	6-C2324	AC		R
VCFYSA1JB273J+	3-C514	AC		R
VCFYSB2EB823J	4-C851	AD		R
"	4-C857	AD		R
VCKYCY1AB105KY	3-C3515	AA		R
"	3-C3516	AA		R
VCKYCY1CB273KY	3-C1847	AB		R
VCKYCY1CF104ZY	3-C834	AA		R
"	3-C842	AA		R
VCKYCY1CF105ZY	3-C811	AA		R
"	3-C824	AA		R
"	3-C840	AA		R
VCKYCY1CF224ZY	3-C3505	AA		R
"	3-C3506	AA		R
VCKYCY1CF334ZY	3-C3518	AB		R
VCKYCY1CF474ZY	3-C1004	AB		R
VCKYCY1EF104ZY	3-C1016	AA		R
VCKYCY1HB103KY	3-C518	AA		R
"	3-C803	AA		R
"	3-C807	AA		R
"	3-C819	AA		R
"	3-C830	AA		R
"	3-C839	AA		R
"	3-C1842	AA		R
"	3-C1844	AA		R
"	3-C1849	AA		R
"	3-C1851	AA		R
"	3-C1852	AA		R
VCKYCY1HB104KY	3-C812	AA		R
"	3-C813	AA		R
"	3-C1843	AA		R
"	3-C1846	AA		R
"	3-C3523	AA		R
VCKYCY1HB153KY	3-C805	AA		R
VCKYCY1HB182KY	3-C1857	AA		R
VCKYCY1HB222KY	3-C836	AA		R
"	3-C3511	AA		R
"	3-C3512	AA		R
VCKYCY1HB332KY	3-C841	AA		R
VCKYCY1HB471KY	3-C847	AA		R
VCKYCY1HB681KY	3-C1002	AA		R
VCKYCY1HB682KY	3-C308	AA		R
"	3-C313	AB		R
VCKYCY1HF103ZY	3-C203	AA		R
"	3-C207	AA		R
"	3-C208	AA		R
"	3-C209	AA		R
"	3-C210	AA		R
"	3-C211	AA		R
"	3-C810	AA		R
"	3-C823	AA		R
"	3-C835	AA		R
"	3-C3525	AA		R
"	3-C3526	AA		R
"	6-C2301	AA		R
"	6-C2302	AA		R
"	6-C2315	AA		R
"	6-C2325	AA		R
"	6-C2326	AA		R
"	6-C2344	AA		R
"	6-C2348	AA		R
"	6-C2349	AA		R
"	6-C2350	AA		R
"	6-C2351	AA		R
"	6-C2354	AA		R
"	6-C2356	AA		R
"	6-C2357	AA		R
"	6-C2358	AA		R
"	6-C2360	AA		R
"	6-C2361	AA		R
"	6-C2362	AA		R
"	6-C2363	AA		R
VCKYCY1HF153ZY	3-C814	AA		R

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
VCKYCY1HF223ZY	3-C3509	AB		R
"	3-C3510	AB		R
VCKYCY1HF224ZY	3-C3501	AA		R
"	3-C3502	AA		R
"	3-C3503	AA		R
"	3-C3504	AA		R
"	3-C3513	AA		R
"	3-C3514	AA		R
VCKYPA1HB102K+	3-C391	AA		R
"	3-C838	AA		R
VCKYPA1HB332K+	3-C711	AB		R
VCKYPA1HB561K+	3-C612	AA		R
VCKYPA1HF103Z+	3-C710	AA		R
VCKYPA2HB101K+	3-C650	AB		R
VCKYPA2HB102K+	3-C512	AB		R
"	3-C606	AB		R
"	3-C750	AB		R
"	4-C1517	AA		R
VCKYPA2HB221K+	4-C853	AB		R
"	4-C855	AB		R
VCKYPH3DB561K	3-C743	AC		R
VCQYTA1HM104J+	3-C1081	AB		R
"	6-C3605	AB		R
VCQYTA1HM563J+	3-C601	AB		R
VCQYTA2AA103K+	3-C608	AC		R
VHD1SS119/-1Y	3-D203	AA		R
"	3-D301	AA		R
"	3-D605	AA		R
"	3-D607	AA		R
"	3-D714	AA		R
"	3-D801	AA		R
"	3-D803	AA		R
"	3-D805	AA		R
"	3-D1005	AA		R
"	6-D3602	AA		R
VHD1SS244/-1Y	3-D602	AB		R
VHD1SS356/-1Y	3-D202	AC		R
VHiAN17820B-1	3-IC301	AL		R
VHiBR24L16F-1Y	3-iC1003	AE		R
VHiKiA78D33-1	3-iC751	AF		R
VHiNJW1142A-1Y	3-iC3501	AM		R
VHiPQ05RDA1-1	6-iC3602	AF		R
VHiPQ09RDA1-1	3-iC601	AF		R
VHiSE125N++-F	3-iC703	AG		R
VHiSTRW6553-1	3-iC701	AN		R
VHiSTV9302A-1	3-iC501	AH		R
VHiTDA6107J-1	4-iC851	AM		R
VHiTDA9808T-1Y	6-iC2301	AR		R
VHiTDA9874A-1Q	6-iC2300	BB		R
VP-CF100K0000Y	3-L802	AB		R
"	3-L804	AB		R
VP-CF220K0000Y	3-L803	AB		R
VP-CF330K0000Y	3-L805	AB		R
VP-DF100K0000Y	3-L801	AB		R
"	3-L806	AB		R
"	3-L807	AB		R
"	3-L3501	AB		R
VP-DF270K0000Y	3-L203	AB		R
VP-XF1R2K0000Y	3-L204	AB		R
VP-XF1R2M0000Y	6-L2341	AB		R
VP-XF220K0000Y	6-L2340	AB		R
VRC-MA2HG152KY	4-R854	AA		R
"	4-R855	AA		R
"	4-R856	AA		R
VRC-UA2HG825KY	3-R751	AA		R
"	3-R752	AA		R
VRD-RA2BE101JY	3-R431	AA		R
"	3-R462	AA		R
"	3-R803	AA		R
"	3-R805	AA		R
"	3-R1004	AA		R
"	3-R1009	AA		R
"	3-R1013	AA		R
"	3-R1015	AA		R
"	3-R1017	AA		R
"	3-R1019	AA		R
"	3-R1029	AA		R
"	3-R3503	AA		R
"	3-R3506	AA		R
"	3-R3507	AA		R
"	6-R2313	AA		R
"	6-R2314	AA		R

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
"	6-R2317	AA		R
VRD-RA2BE102JY	3-R356	AA		R
"	3-R615	AA		R
"	3-R616	AA		R
"	4-R863	AA		R
"	4-R864	AA		R
"	4-R865	AA		R
VRD-RA2BE103JY	3-R523	AA		R
"	3-R524	AA		R
"	3-R1025	AA		R
VRD-RA2BE123JY	3-R809	AA		R
VRD-RA2BE151JY	6-R2359	AA		R
VRD-RA2BE153JY	3-R627	AA		R
VRD-RA2BE154JY	3-R614	AA		R
VRD-RA2BE181JY	3-R1028	AA		R
VRD-RA2BE183JY	3-R1012	AA		R
VRD-RA2BE221JY	3-R704	AA		R
VRD-RA2BE222JY	3-R713	AA		R
VRD-RA2BE223JY	3-R819	AA		R
VRD-RA2BE331JY	3-R638	AA		R
VRD-RA2BE332JY	3-R1006	AA		R
"	3-R1016	AA		R
VRD-RA2BE393GY	3-R720	AA		R
VRD-RA2BE393JY	3-R602	AA		R
VRD-RA2BE470JY	3-R1008	AA		R
VRD-RA2BE472JY	3-R376	AA		R
VRD-RA2BE680JY	3-R205	AA		R
"	3-R318	AA		R
"	3-R319	AA		R
VRD-RA2BE683JY	3-R304	AA		R
"	3-R604	AA		R
VRD-RA2BE750JY	3-R435	AA		R
VRD-RA2BE822JY	3-R308	AA		R
"	3-R314	AA		R
VRD-RA2EE102JY	3-R840	AA		R
VRD-RA2EE682JY	3-R711	AA		R
VRD-RA2EE750JY	3-R459	AA		R
VRD-RM2HD100JY	3-R756	AA		R
"	3-R759	AA		R
"	3-R760	AA		R
VRD-RM2HD101JY	4-R851	AA		R
"	4-R852	AA		R
"	4-R853	AA		R
VRD-RM2HD102JY	3-R608	AA		R
VRD-RM2HD104JY	3-R605	AA		R
VRD-RM2HD151JY	3-R813	AA		R
VRD-RM2HD154JY	3-R702	AA		R
VRD-RM2HD182JY	3-R841	AA		R
VRD-RM2HD184JY	3-R625	AA		R
VRD-RM2HD1R0JY	3-R507	AA		R
VRD-RM2HD220JY	3-R505	AA		R
"	3-R710	AA		R
VRD-RM2HD224JY	4-R861	AA		R
VRD-RM2HD270JY	3-R609	AA		R
"	3-R612	AA		R
VRD-RM2HD271JY	3-R639	AA		R
VRD-RM2HD333JY	3-R513	AB		R
VRD-RM2HD334JY	3-R753	AA		R
VRD-RM2HD5R6JY	3-R607	AA		R
VRD-RM2HD682JY	3-R514	AA		R
VRD-RM2HD821JY	3-R725	AA		R
VRN-RL2HC1R0J+	3-R621	AB		R
VRN-RL2HCR47J+	3-R726	AB		R
VRN-RL3AB1R2J+	3-R611	AB		R
VRN-RL3AB8R2J+	3-R754	AB		R
VRN-RL3DB1R0J+	3-R642	AB		R
VRN-RL3DBR10J+	3-R302	AB		R
VRN-VV3DB2R2J	3-R503	AB		R
VRS-CY1JF000JY	3-RJ1	AA		R
"	3-RJ6	AA		R
"	3-RJ7	AA		R
"	3-RJ9	AA		R
"	3-RJ10	AA		R
"	3-RJ14	AA		R
"	3-RJ17	AA		R
"	3-RJ39	AA		R
"	3-RJ41	AA		R
"	3-RJ42	AA		R
"	3-RJ44	AA		R
"	3-RJ45	AA		R
"	3-RJ46	AA		R
"	3-RJ47	AA		R



PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
"	3-RJ48	AA		R
"	3-R1002	AA		R
"	6-RJ2309	AA		R
"	6-RJ2310	AA		R
"	6-RJ2311	AA		R
"	6-RJ2312	AA		R
"	6-RJ2314	AA		R
"	6-RJ2315	AA		R
"	6-RJ2316	AA		R
"	6-RJ2318	AA		R
"	6-RJ2319	AA		R
"	6-RJ2320	AA		R
"	6-RJ2322	AA		R
"	6-RJ2323	AA		R
"	6-RJ2327	AA		R
"	6-RJ2328	AA		R
"	6-RJ2331	AA		R
VRS-CY1JF101JY	3-R201	AA		R
"	3-R202	AA		R
"	3-R804	AA		R
"	3-R808	AA		R
"	3-R814	AA		R
"	3-R815	AA		R
"	3-R820	AA		R
"	3-R1001	AA		R
"	3-R1014	AA		R
"	3-R1024	AA		R
"	3-R1031	AA		R
"	3-R3501	AA		R
"	3-R3502	AA		R
"	3-R3504	AA		R
"	3-R3508	AA		R
"	3-R3509	AA		R
"	6-R2355	AA		R
VRS-CY1JF102JY	3-R301	AA		R
"	3-R353	AA		R
"	3-R801	AA		R
"	3-R846	AA		R
"	3-R1003	AA		R
"	3-R1039	AA		R
"	6-R2311	AA		R
"	6-R2344	AA		R
"	6-R2346	AA		R
"	6-R2351	AA		R
"	6-R2356	AA		R
"	6-R2361	AA		R
"	6-R2362	AA		R
VRS-CY1JF103JY	3-R373	AA		R
"	3-R458	AA		R
"	3-R618	AA		R
"	3-R810	AA		R
"	3-R811	AA		R
"	3-R1018	AA		R
"	3-R1030	AA		R
"	3-R1863	AA		R
VRS-CY1JF104JY	3-R372	AA		R
"	3-R374	AA		R
"	3-R1010	AA		R
"	3-R1027	AA		R
VRS-CY1JF105JY	3-R845	AA		R
VRS-CY1JF122JY	3-R206	AA		R
"	6-R2357	AA		R
VRS-CY1JF123JY	3-R617	AA		R
VRS-CY1JF124JY	3-R807	AA		R
VRS-CY1JF152JY	6-R2350	AA		R
VRS-CY1JF153JY	3-R520	AA		R
VRS-CY1JF181JY	3-R822	AA		R
"	3-R824	AA		R
"	3-R826	AA		R
"	3-R827	AA		R
"	3-R1087	AA		R
"	6-R2341	AA		R
VRS-CY1JF182JY	3-R307	AA		R
"	3-R315	AA		R
"	3-R832	AA		R
"	3-R833	AA		R
"	3-R834	AA		R
VRS-CY1JF183JY	3-R1011	AA		R
"	3-R1020	AA		R
"	3-R1022	AA		R
"	3-R1026	AA		R
"	6-R2342	AA		R

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
"	6-R2345	AA		R
VRS-CY1JF220JY	3-R818	AA		R
VRS-CY1JF221JY	3-R207	AA		R
"	3-R220	AA		R
"	6-R2348	AA		R
VRS-CY1JF222JY	3-R212	AA		R
"	3-R1032	AA		R
"	3-R1074	AA		R
"	6-R2316	AA		R
"	6-R2318	AA		R
VRS-CY1JF223JY	3-R837	AA		R
"	6-R2301	AA		R
"	6-R2340	AA		R
VRS-CY1JF225JY	6-R2354	AA		R
VRS-CY1JF272JY	3-R823	AA		R
VRS-CY1JF274JY	3-R305	AA		R
VRS-CY1JF332JY	3-R362	AA		R
"	3-R366	AA		R
"	3-R382	AA		R
"	3-R384	AA		R
"	3-R1007	AA		R
"	3-R1056	AA		R
"	3-R1078	AA		R
"	3-R1079	AA		R
VRS-CY1JF392JY	3-R209	AA		R
"	3-R210	AA		R
"	3-R828	AA		R
"	6-R2358	AA		R
VRS-CY1JF393JY	6-R2349	AA		R
VRS-CY1JF470JY	3-R1034	AA		R
VRS-CY1JF471JY	3-R816	AA		R
"	3-R817	AA		R
"	5-R370	AA		R
"	5-R371	AA		R
VRS-CY1JF472JY	3-R626	AA		R
"	3-R830	AA		R
VRS-CY1JF473JY	3-R303	AA		R
"	3-R825	AA		R
"	3-R829	AA		R
VRS-CY1JF561JY	6-R2343	AA		R
VRS-CY1JF562JY	3-R504	AA		R
"	3-R1038	AA		R
VRS-CY1JF681JY	3-R208	AA		R
VRS-CY1JF682JY	3-R211	AA		R
"	6-R2302	AA		R
VRS-CY1JF750JY	3-R432	AA		R
"	3-R433	AA		R
"	3-R434	AA		R
"	3-R461	AA		R
VRS-CY1JF822JY	3-R806	AA		R
"	3-R812	AA		R
"	3-R1021	AA		R
"	6-R2309	AA		R
VRS-CY1JF823JY	6-R2352	AA		R
"	6-R2353	AA		R
VRS-KT3LB221J	3-R631	AE		R
VRS-RG3AB331J+	3-R506	AB		R
VRS-RG3DB151J+	3-R755	AB		R
VRS-RG3LB333J+	3-R216	AC		R
VRS-SV2HC100J	3-R858	AA		R
"	4-R858	AA		R
VRS-VV3DB180J	6-R3602	AA		R
VRS-VV3DB220J	3-R757	AA		R
VRS-VV3DB682J	3-R622	AA		R
VS2PB709AR/-1Y	3-Q802	AB		R
"	3-Q805	AB		R
"	3-Q810	AB		R
VS2PD601AR/-1Y	3-Q202	AB		R
"	3-Q801	AB		R
"	3-Q803	AB		R
"	3-Q1001	AB		R
"	3-Q1002	AB		R
"	3-Q1070	AB		R
"	6-Q2301	AB		R
VS2SC2235Y/1E+	3-Q601	AE		R
VS2SC2735//1EY	3-Q201	AC		R
"	6-Q2302	AC		R
"	6-Q2303	AC		R
VS2SC3198-G-1+	3-Q603	AA		R
VS2SD468-C/-1+	3-Q751	AD		R
"	3-Q752	AD		R
"	3-Q753	AD		R

21K-FD5RU

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
"	3-Q754	AD		R
VSiMX1C/C//~1Y	3-iC305	AC		R
"	3-iC1007	AC		R
VSP1206PB81WA	7-SP301	AP		R
VSTT2140+++~F	3-Q602	AG		R



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CHS.SREC

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