SERVICE MANUAL

BG-2S CHASSIS

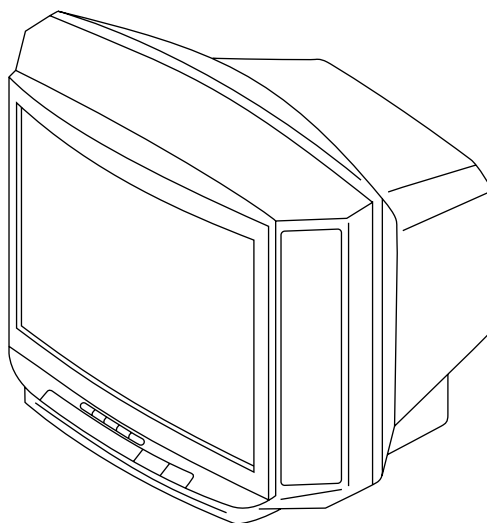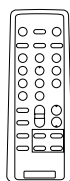| MODEL	COMMANDER	DEST.	CHASSIS NO.	MODEL	COMMANDER	DEST.	CHASSIS NO.
KV-J14M1J	RM-869	ME	SCC-U07P-A				

MICROFILM

TRINITRON ® **COLOR TV**

SONY ®

SPECIFICATIONS

	KV-J14M1J	Note
Power requirements	110-240 V AC, 50/60 Hz	
Power consumption (W)	Indicated on the rear of the TV	
Television system	B/G, I, D/K, M	
Color system	PAL, PAL 60, SECAM, NTSC4.43, NTSC3.58	
Channel coverage		
B/G	VHF: E2 to E12/UHF: E21 to E69/CATV: S01 to S03, S1 to S41	
I	UHF: B21 to B68/CATV: S01 to S03, S1 to S41	
D/K	VHF: C1 to C12, R1 to R12/	
	UHF: C13 to C57, R21 to R60/	
	CATV: Z1 to Z39, S01 to S03, S1 to S41	
M	VHF: A2 to A13/ UHF: A14 to A79/	
	CATV: A-8 to A-2, A to W+4, W+6 to W+84	
Audio output (speaker)	3W+3W	
Inputs	⊓ (antenna): 75 ohms external terminal	
	⊸ (video input) jacks: phono jacks	
	⊡ (video): 1 Vp-p, 75 ohms	
	♪ (audio): 500 mVrms, high impedance	
Outputs	⊓ (earphone) jack: mini jack	
	⊶ (monitor output) jacks: phono jacks	
	⊡ (video): 1 Vp-p, 75 ohms	
	♪ (audio): 500 mVrms	
Picture tube	14 in.	
Tube size (cm)	37	Measured diagonally
Screen size (cm)	34	Measured diagonally
Dimensions (w/h/d, mm)	456 × 343 × 416	
Mass (kg)	12	

Design and specifications are subject to change without notice.

TABLE OF CONTENTS

SECTION 1
GENERAL

The operating instructions mentioned here are partial abstracts from the Operating Instructions Manual. The page numbers of the Operating Instruction Manual remain as in this manual.

Getting Started

Connections

Connecting a VHF antenna or a combination VHF/UHF antenna — 75-ohm coaxial cable (round)

Attach an optional IEC antenna connector to the 75-ohm coaxial cable. Plug the connector into the ⊤ (antenna) socket at the rear of the TV.

Rear of TV   or   *Rear of TV*   On a wall
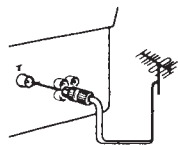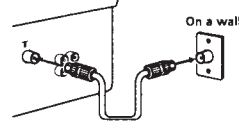
Connecting an indoor antenna
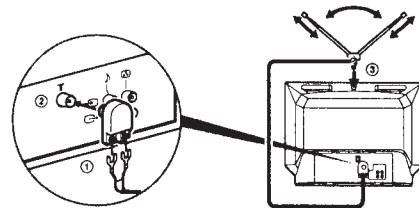
Notes
- You are advised to use an outdoor antenna for better reception.
- Model KV-J14M1J is used for illustration purposes, however, the connection procedure is the same for KV-2199M5J and KV-J21MF2J.

Connecting optional equipment

You can connect optional audio/video equipment to your TV such as a VCR, multi disc player, camcorder, video game or stereo system.

Connecting video equipment using the ⊝ (video input) jacks

Front of TV   Camcorder

■ KV-J21MF2J   ■ KV-2199M5J/J14M1J   to video and audio outputs

to ⊝ (video input)
⊙ (video) and
♪ (audio) inputs

⟸ : Signal flow
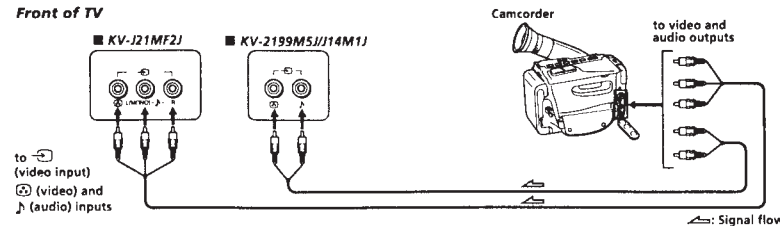
When connecting monaural audio/video equipment to model KV-J21MF2J
Connect the yellow plug to ⊙ and the black plug to ♪-L (MONO).

Rear of TV

to antenna socket

■ KV-J21MF2J   ■ KV-2199M5J/J14M1J   to antenna output

VCR

to ⊝ (video input)
⊙ (video) and
♪ (audio) inputs

to video and audio outputs

⟸ : Signal flow
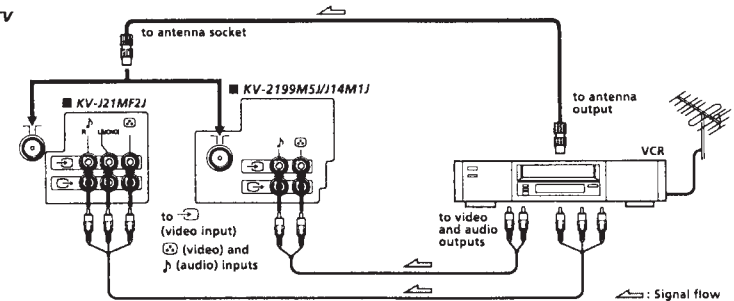
When connecting video equipment to the ⊝ (video input) jack
Do not connect video equipment to the ⊝ (video input) jacks at the front and the rear of your TV simultaneously; otherwise the picture will not be displayed properly on the screen.

Connecting audio/video equipment using the ⊙→ (monitor output) jack

Rear of TV

to antenna socket

■ KV-J21MF2J   ■ KV-2199M5J/J14M1J   to antenna output

VCR   Audio system

to ⊙→ (monitor output)
⊙ (video) and
♪ (audio) inputs

to video and audio inputs   or

⟸ : Signal flow
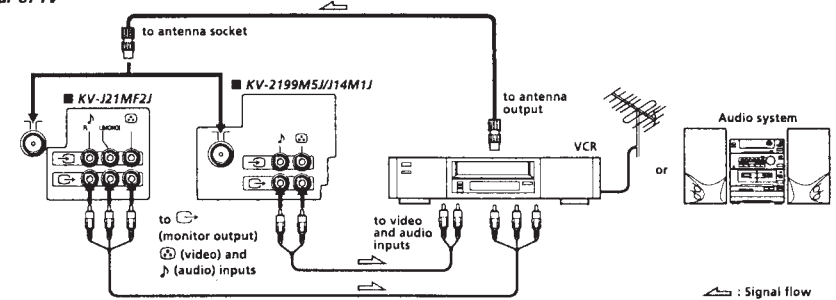
When recording through the ⊙→ (monitor output) jack
Do not change the channel or video input while recording with a VCR, otherwise the channel or video input you are recording also will be changed.

EN

−4−

Presetting channels

You can preset up to 100 TV channels in numerical sequence from program position 1 using the buttons on the remote commander or the TV.

You can preset TV channels quickly, automatically or manually.

Remote commander

Number

PROGR +/-

SELECT +/-

Front of TV

Quick channel presetting

1 Press ⏻ to turn on the TV.

When the TV is turned on in standby mode, press ⏻ on the remote commander.

2 Press SELECT and PROGR + on the TV simultaneously for one to two seconds.
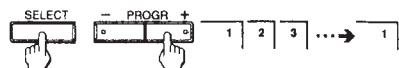
If the picture color is poor and/or the sound is noisy (for KV-J21MF2J/J14M1J)

Select the appropriate TV system as follows:

1 Press SELECT on the remote commander or the TV until "TV SYSTEM" appears.

2 Press +/- on the remote commander or ◿ +/- on the TV until the picture and sound become normal.

Notes
- If you do not know your local TV system, consult your nearest authorized service center or dealer.
- The setting of the "TV SYSTEM" is memorized for each program position.

Presetting channels automatically

1 Press SELECT on the remote commander or the TV until "TV SYSTEM" appears on the screen (for KV-J21MF2J/J14M1J).
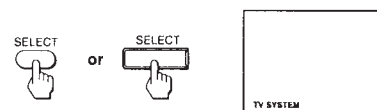
2 Press +/- on the remote commander or ◿ +/- on the TV to select the TV system (for KV-J21MF2J/J14M1J).
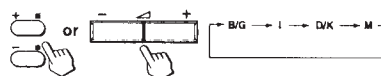
3 Press SELECT on the remote commander or the TV until "AUTO PROGRAM" appears on the screen.
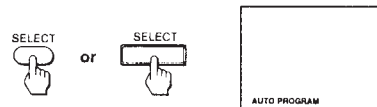
4 Press +/- on the remote commander or ◿ +/- on the TV.

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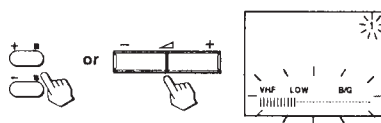
5 Press +/- on the remote commander or ◿ +/- on the TV again.
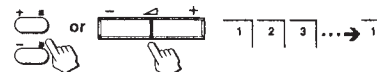
To start presetting channels automatically from the specified program position

Press PROGR +/- or number buttons on the remote commander or PROGR +/- on the TV until the required program position appears on the screen after step 4 of "Presetting channels automatically".

Presetting channels manually

1 Press SELECT on the remote commander or the TV until "TV SYSTEM" appears on the screen (for KV-J21MF2J/J14M1J).
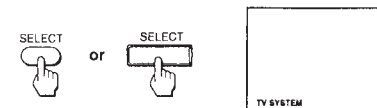
2 Press +/- on the remote commander or ◿ +/- on the TV to select the TV system (for KV-J21MF2J/J14M1J).
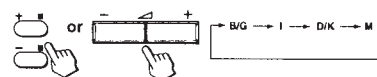
3 Press SELECT on the remote commander or the TV until "MANUAL PROGRAM" appears on the screen.
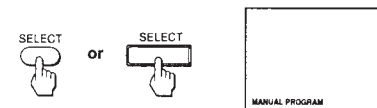
4 Press +/- on the remote commander or ◿ +/- on the TV.

---
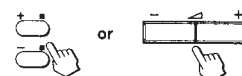
5 Press PROGR +/- or number buttons on the remote commander or PROGR +/- on the TV until the required program position appears on the screen.
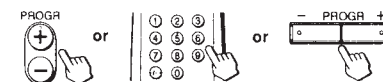
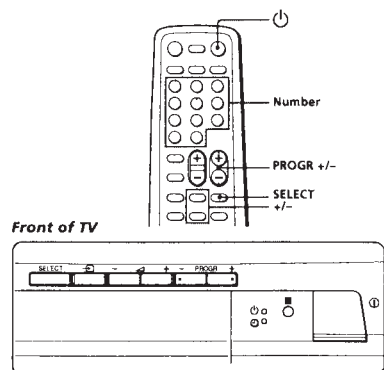
6 Press +/- on the remote commander or ◿ +/- on the TV until the required channel picture appears on the screen.
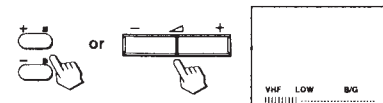
7 Press SELECT on the remote commander or the TV.
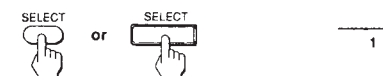
Disabling program positions

1 Press PROGR +/- or number buttons on the remote commander or PROGR +/- on the TV until the unused or unwanted program position appears on the screen.

2 Press SELECT on the remote commander or the TV until "MANUAL PROGRAM" appears on the screen.

3 Press +/- on the remote commander or ◿ +/- on the TV.

4 Press PIC MODE on the remote commander.

5 Press SELECT on the remote commander or the TV.

To preset the disabled program position again
Preset the channel quickly, automatically or manually.

Watching the TV

1 Press ① to turn on the TV.

When the TV is turned on in standby mode, press ⏻ on the remote commander.

2 Select the TV program you want to watch.

To select a program position directly
Press the number button.

① ② ③
④ ⑤ ⑥
⑦ ⑧ ⑨
⊘ ⓪
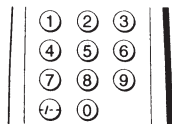
To select a two-digit program position, press "-/--" before the number buttons.
For example: to select program position 25, press "-/--," and then "2" and "5."

(-/--) → (2) → (5)

To scan through program positions
Press PROGR +/– until the program position you want appears.

PROGR
⊕
⊖

3 Press ◁ +/– to adjust the volume.

⊕
⊖

Turning off the TV

To turn off the TV temporarily
Press ⏻ on the remote commander. The ⏻ indicator on the TV lights up.
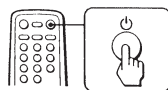
To turn off the TV completely
Press ① on the TV.

If the power on the TV is turned off in standby mode, the ⏻ indicator on the TV may remain alight for a while.

Watching the video input

Press ⊸⊟ ⊕.

→ VIDEO → 1
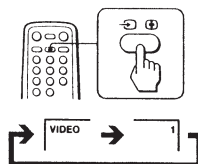
To watch TV
Press ▢.
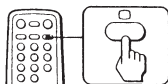
Muting the sound

Press ⓪✕.

→ MUTING →
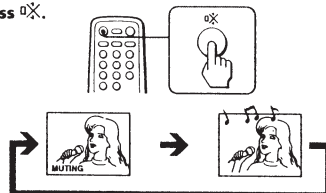
Displaying on-screen information

Press ⊞ ⑦.
The program position, local system, and TV settings are displayed on the screen.

→ AUTO B/G DYNAMIC →
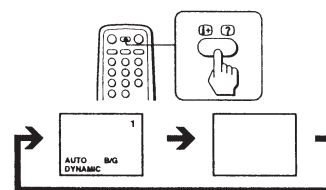
Setting the Wake Up Timer

You can set the TV automatically turned on as you program.

1 Press ⏰ ⓘ repeatedly to set the timer.
The on-screen display appears and the ⏰ indicator on the TV lights up.

→ WAKE UP TIMER:10M
After 10 minutes
WAKE UP TIMER:OFF ← WAKE UP TIMER:12H00M
No wake up timer   After 12 hours
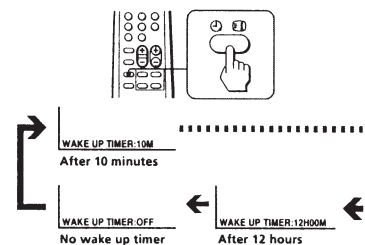
2 If you want a particular TV program or video input to be displayed using the Wake Up Timer, select the TV program or video input.

3 Press ⏻ on the remote commander or set the Sleep Timer to turn off the TV in standby mode.

To cancel the Wake Up Timer, press ⏰ ⓘ repeatedly until "WAKE UP TIMER: OFF" appears, or turn off the main power of the TV.

Notes
• The Wake Up Timer starts immediately after the on-screen display disappears.
• The last TV program position or video input just before the TV turns into standby mode will appear when the TV is turned on using the Wake Up Timer.

• If no buttons or controls are pressed for more than two hours after the TV is turned on using the Wake Up Timer, the TV automatically turns into standby mode. If you want to continue watching the TV, press any button or control on the TV or remote commander.

Setting the Sleep Timer

You can set the TV automatically turned off as you program.

Press ⏱ ⊠.

→ SLEEP TIMER:30M → SLEEP TIMER:60M
After 30 minutes   After 60 minutes
SLEEP TIMER:OFF ← SLEEP TIMER:90M
No sleep timer   After 90 minutes
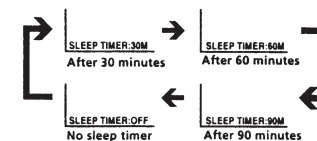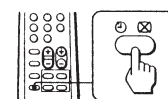
To cancel the Sleep Timer, press ⏱ ⊠ repeatedly until "SLEEP TIMER: OFF" appears, or turn off the TV.

Changing the on-screen display language

You can use buttons on the remote commander or the TV to change the on-screen display language.

+/–
SELECT
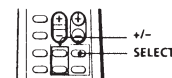
1 Press SELECT until the screen appears as follows:

SELECT

LANGUAGE / لغة : ENGLISH

2 Press +/– to select " عربي ".

عربي : LANGUAGE / لغة

Note
• You can also use SELECT and ◁ +/– on the TV to select the on-screen display language.

Adjusting the picture

Note on the SOUND MODE button
• The sound mode feature is unavailable for your TV. Thus, the SOUND MODE button on the remote commander is not used for your TV.

SOUND
MODE
+/–
SELECT
PIC MODE
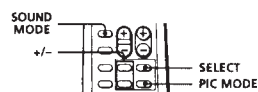
Selecting the picture mode

Press PIC MODE until the mode you want appears.

PIC MODE

Each time you press PIC MODE, the screen changes as follows:

High contrast picture → Soft picture (good for video games) → Normal picture

DYNAMIC → SOFT → STANDARD
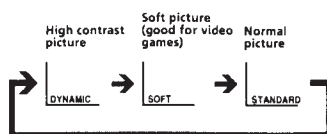
Note
• If you change the picture mode after the following adjustments, the adjustment changes in accordance with the picture mode.

Adjusting the picture setting

1 Press SELECT until the item you want to adjust appears.

SELECT

Each time you press SELECT, the screen changes as follows:

PICTURE → COLOR → BRIGHT

↓

(Operative for NTSC signal only)

SHARPNESS ← HUE
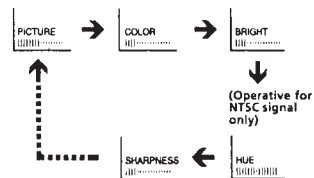
2 Press +/– to adjust the item.

3 To adjust other items, repeat steps 1 and 2.

Note
• You can also use SELECT and ◁ +/– on the TV to adjust the picture setting.

Front of TV

SELECT – ◁ + – PROGR +

If the picture color is abnormal when receiving programs through the ⊤ (antenna) terminal
Change the "TV SYSTEM" (for KV-J21MF2J/J14M1J) or "COLOR SYSTEM" setting or adjust the "COLOR" level in the on-screen display until the color becomes normal.

If the picture is abnormal when receiving programs through the ⊷ (video input) jack
Change the "COLOR SYSTEM" setting or adjust the "COLOR" level in the on-screen display until the color becomes normal.

Note
• Normally set "COLOR SYSTEM" to "AUTO".

If the sound is distorted or noisy when receiving programs through the ⊤ (antenna) terminal
Change the "TV SYSTEM" setting (for KV-J21MF2J/J14M1J) in the on-screen display until the sound becomes clear.

Troubleshooting

If you have any problems, read this manual again and check the countermeasure for each of the symptoms listed below.
If the problem persists after trying the methods below, contact your nearest authorized service center or dealer.

Snowy picture
Noisy sound
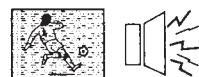
➡ Check the antenna.
➡ Check the antenna connection on the TV and on the wall.
➡ Check the TV SYSTEM setting (for KV-J21MF2J/J14M1J).

Dotted lines or stripes

➡ This may be caused by local interference (e.g. cars, neon signs and hair dryers). Adjust the antenna for minimum interference.

Double images or "ghosts"

➡ This may be caused by reflections from nearby mountains or buildings. A highly directional antenna may improve the picture.

Good picture
Noisy sound

➡ Check the TV SYSTEM setting (for KV-J21MF2J/J14M1J).

No picture
No sound

➡ Press ① or (¹).
➡ Check the antenna connection.
➡ Check the VCR connections.
➡ Check the power cord connection.
➡ Check the standby mode.

Good picture
No sound
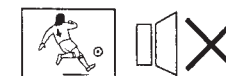
➡ Press ◁ +.
➡ Press ⊠.

No color

➡ Adjust the COLOR level in the on-screen display.
➡ Check the COLOR SYSTEM setting.

TV cabinet creaks
➡ Even if the picture or the sound is normal, changes in the room temperature sometimes make the TV cabinet expand or contract, making a noise. This does not indicate a malfunction.

Note on the remote commander
• The supplied remote commander is used on several models of the TV. If you do not find instructions for some controls that are on the remote commander, that means your TV does not employ the features of those controls, e.g. ▦ and SOUND MODE.

Notes
• When you turn on the TV, you may hear the "boon" sound that is caused by the demagnetization of the TV. This does not indicate a malfunction.
• The picture color may become abnormal if you change the direction of your TV. To obtain the normal picture color, press ① on the TV to turn off the TV for five minutes and then turn it on again.
• Design and specifications are subject to change without notice.
• All contents in the instruction manual are subject to change without notice.

WARNING
Do not install the appliance in a confined space, such as a bookcase or built-in cabinet.

SECTION 2
DISASSEMBLY

2-1. REAR COVER REMOVAL

② Remove the rear cover.

① Five screws (BVTP4×16)

2-2. A BOARD REMOVAL

Lever

Lever
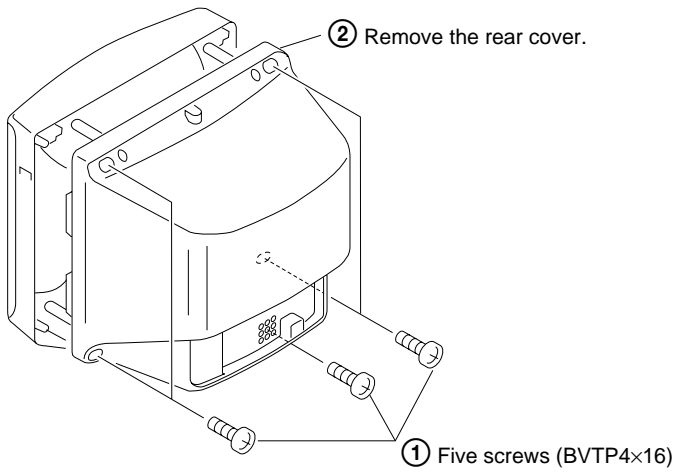
A board
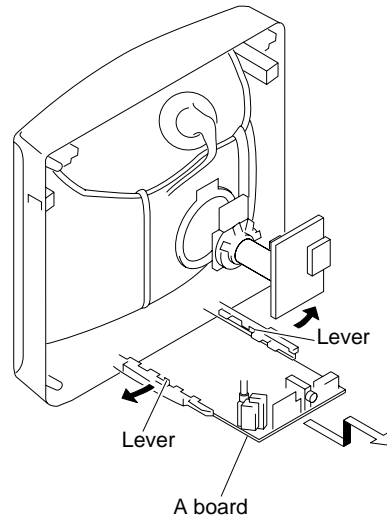
2-3. SERVICE POSITION

A board
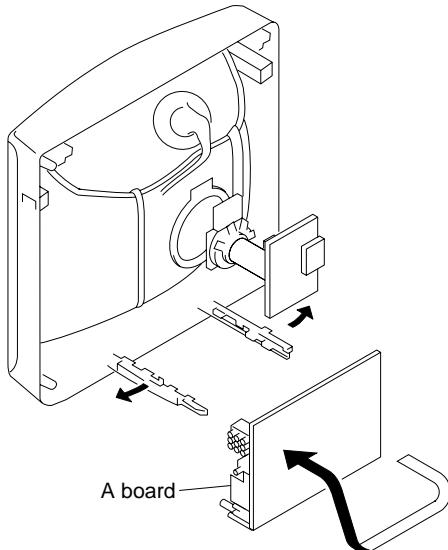
2-4. REPLACEMENT OF PARTS

For replacement of the Control Button, cut the welded portions from them, exchange with the new parts, and fix them with screws (+BVTP) respectively.

2-4-1. REPLACEMENT OF CONTROL BUTTON

Cut

Multi button

Multi button
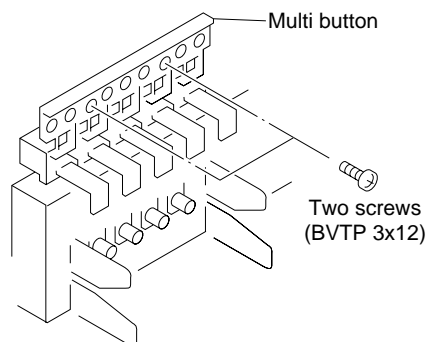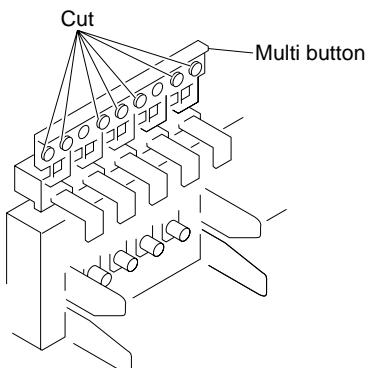
Two screws
(BVTP 3x12)

2-5. DEMAGNETIZATION COIL AND PICTURE TUBE REMOVAL

⑦ Spring

⑥ Demagnetization coil

③ C board

④ Deflection yoke

⑤ Four screws
(Tapping screws)

① Anode cap

② A board

⑧ Picture tube

Cushion
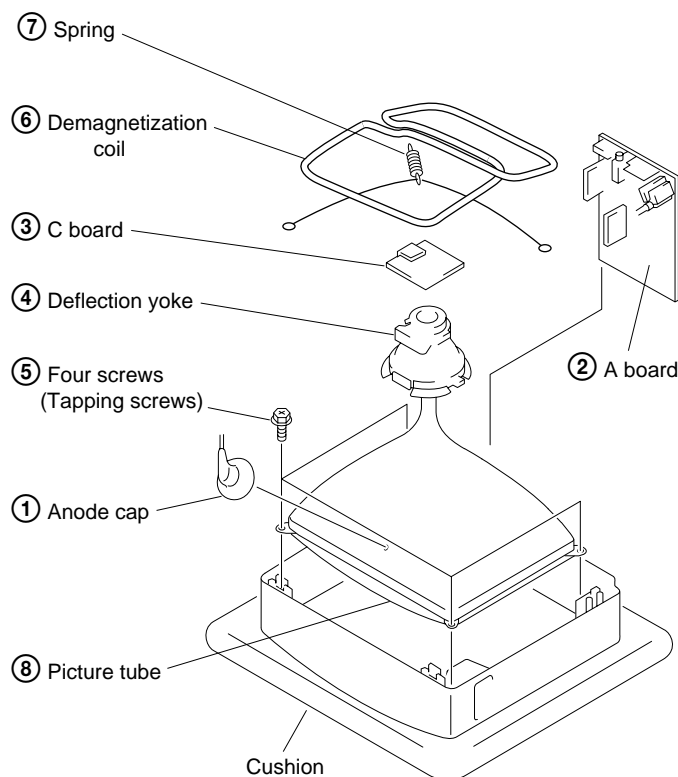
- **REMOVAL OF ANODE-CAP**

NOTE : Short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT shield or carbon paint on the CRT, after removing the anode.

- **REMOVING PROCEDURES**
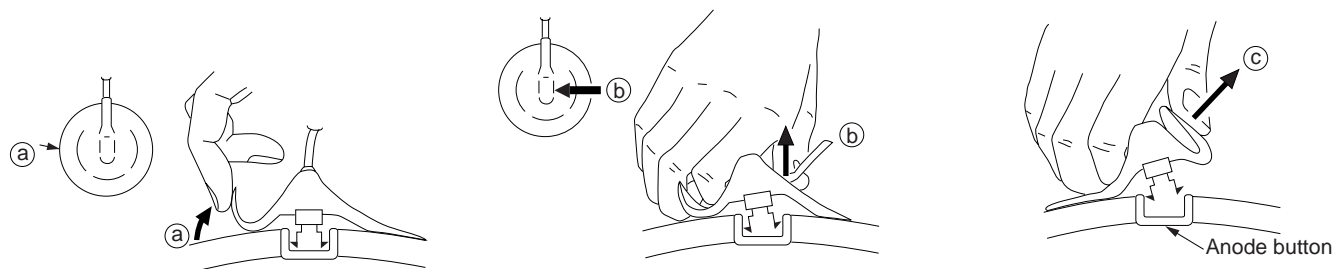
① **Turn up one side of the rubber cap in the direction indicated by the arrow ⓐ.**

② **Using a thumb, pull up the rubber cap firmly in the direction indicated by the arrow ⓑ.**

③ **When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling it up in the direction of the arrow ⓒ.**

Anode button

- **HOW TO HANDLE AN ANODE-CAP**

① **Don't hurt the surface of anode-caps with sharp shaped objects!**

② **Don't press the rubber too hard so as not to damage the inside of anode-caps!
A material fitting called the shatter-hook terminal is built into the rubber.**

③ **Don't turn the foot of rubber over too hard!
The shatter-hook terminal will stick out or damage the rubber.**

– 9 –
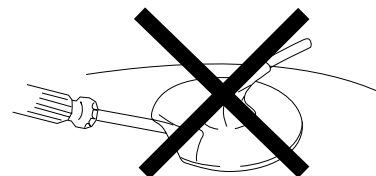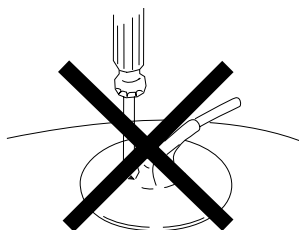
SECTION 3
SET-UP ADJUSTMENTS

- The following adjustments should be made when a complete realignment is required or a new picture tube is installed.
- These adjustments should be performed with rated power supply voltage unless otherwise noted.

Controls and switch should be set as follows unless otherwise noted:
PICTURE control .... normal
BRIGHTNESS control .... normal

Perform the adjustments in order as follows :
1. Beam Landing
2. Convergence
3. Focus
4. White Balance

   Note : Test Equipment Required.
   1. Color-bar/Pattern Generator
   2. Degausser
   3. Oscilloscope

....

Preparations :

- In order to reduce the influence of geomagnetism on the set's picture tube, face it east or west.
- Switch on the set's power and degauss with the degausser.

3-1. BEAM LANDING

1. Input the white raster signal with the pattern generator.
   Contrast
   Brightness } normal
2. Set the pattern generator raster signal to green.
3. Move the deflection yoke to the rear and adjust with the purity control so that the green is at the center and the blue and the red take up equally sized areas on each side.
   (See Figures 3-1 through 3-3.)
4. Move the deflection yoke forward and adjust so that the entire screen is green. (See Figure 3-1.)
5. Switch the raster signal to blue, then to red and verify the condition.
6. When the position of the deflection yoke has been decided, fasten the deflection yoke with the screws.
7. If the beam does not land correctly in all the corners, use a magnet to adjust it.
   (See Figure 3-4.)

Purity control

Fig. 3-2

BLUE   RED

GREEN

Fig. 3-3

Purity control corrects this area.

Disk magnets or rotatable disk magnets correct these areas (a-d).

Deflection yoke positioning corrects these areas.
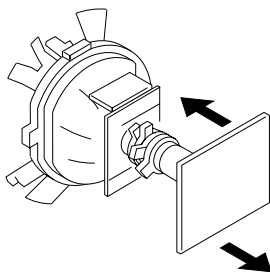
Fig. 3-4

Fig. 3-1
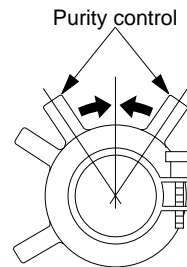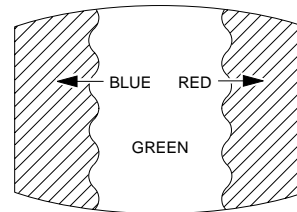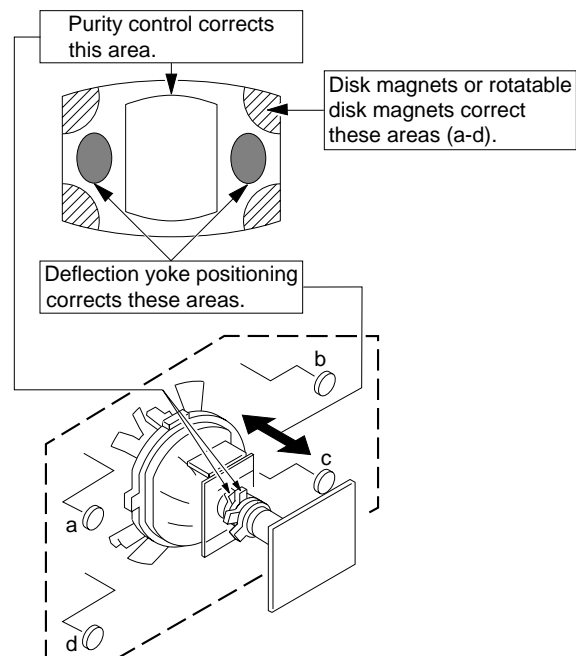
3-2. CONVERGENCE

Preparation :

- Before starting this adjustment, adjust the focus, horizontal size, and vertical size.
- Minimize the brightness setting.
- Provide dot pattern.

(1) Horizontal and Vertical Static Convergence
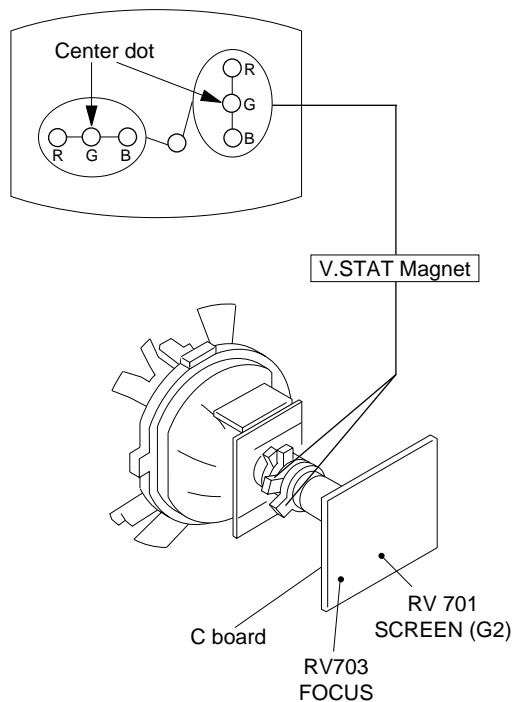
1. (Moving vertically), adjust the V.STAT magnet so that the red, green, and blue points are on top of each other at the center of the screen.
2. (Moving horizontally), adjust the V.STAT magnet so that the red, green, and blue points are on top of each other at the center of the screen.
3. Tilt the V.STAT magnet and adjust the static convergence by opening or closing the V.STAT magnet.

If the V.STAT magnet is moved in the direction of the ⓐ and ⓑ arrows, the red, green, and blue points move as shown below.
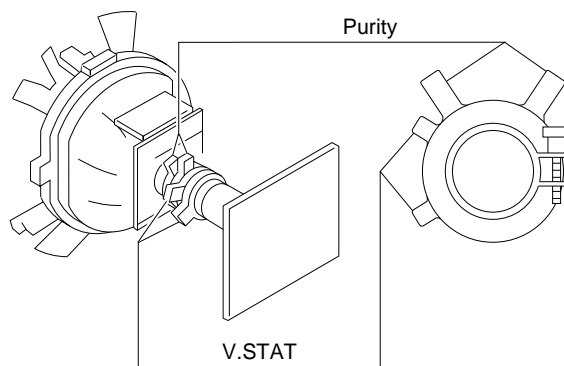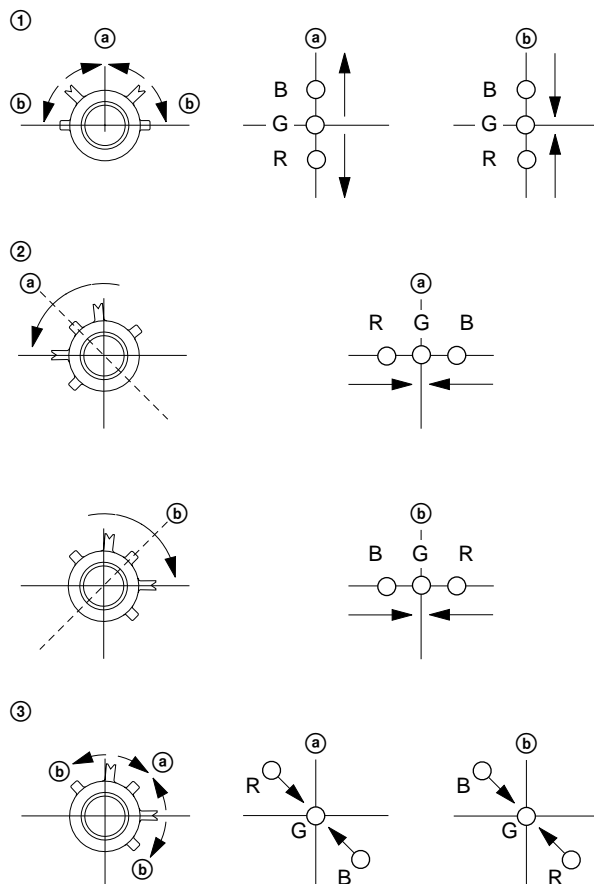
(2) Dynamic Convergence Adjustment

Preparation :

- Before starting this adjustment, adjust the horizontal static convergence and the vertical static convergence.
1. Slightly loosen the deflection yoke screws.
2. Remove the deflection yoke spacer.

3. Move the deflection yoke as shown in the figure below and optimize the convergence.
4. Tighten the deflection yoke screws.
5. Install the deflection yoke spacer.
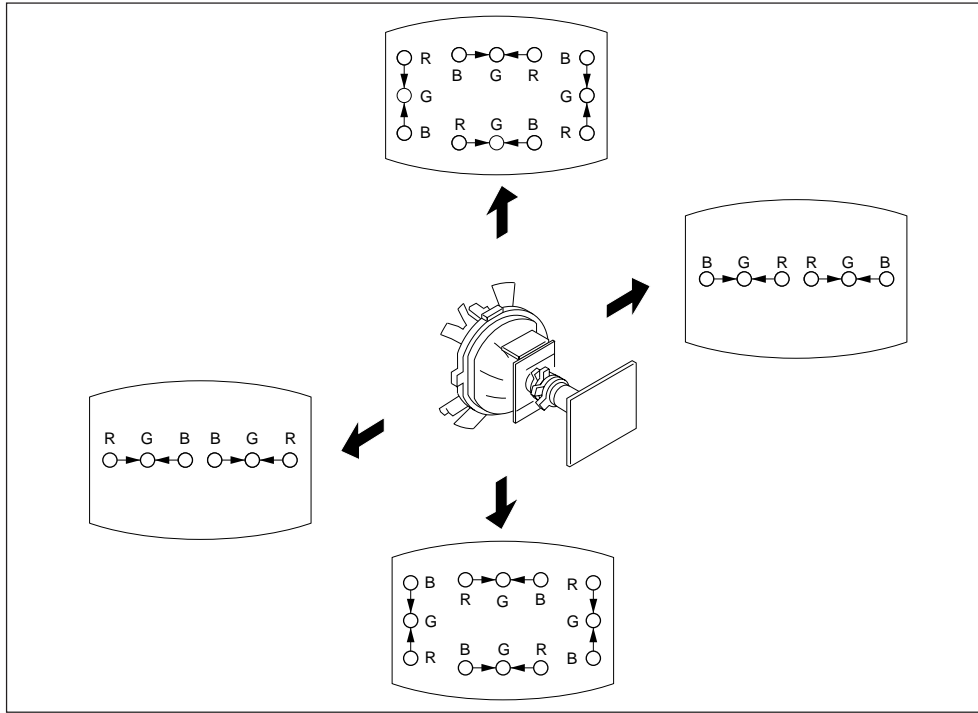
(3) Screen-corner Convergence

a-d : screen-corner misconvergence

b

Affix a Convergence correct piece corresponding to the misconverged areas

a

c

d

Convergence correct piece
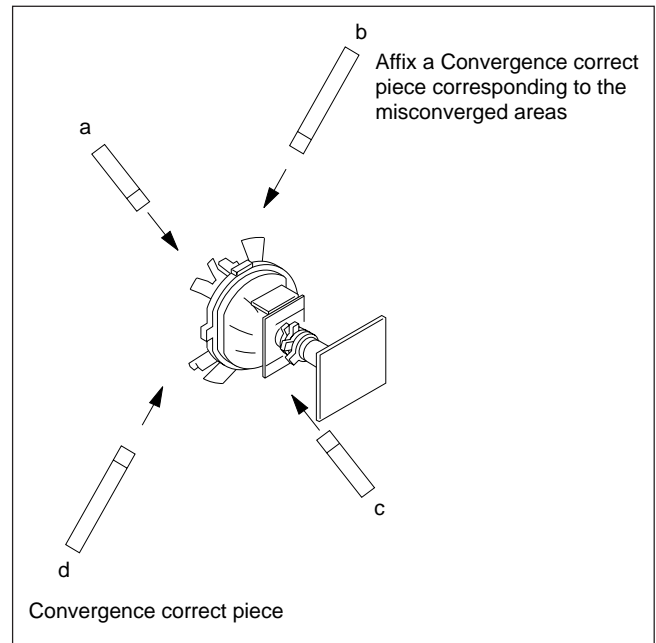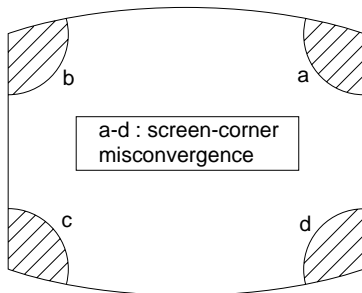
3-3. FOCUS ADJUSTMENT

Adjust FOCUS control on the C board (RV703) for the best focus.

FOCUS
(NOT USED)

SCREEN
(NOT USED)

FLYBACK TRANSFORMER (T851)
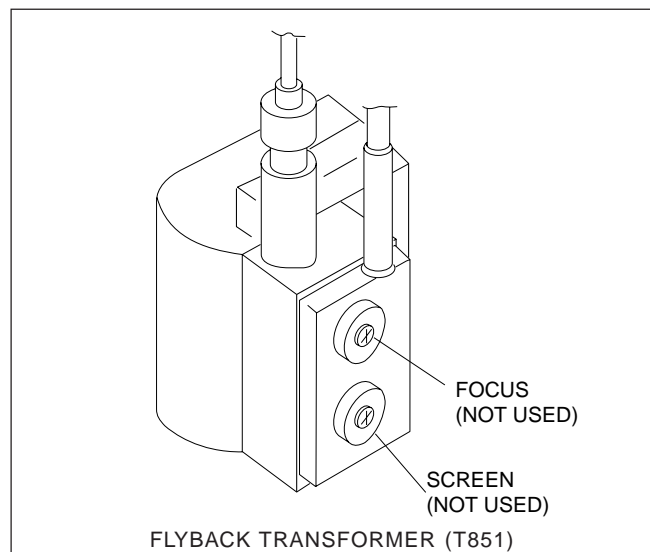
Note: Screen VR is not used.

a. AN ITEM OF ADJUSTMENT

Item number	Adjustment item	Initial DATA	Note
09	RDR	25	WHITE POINT R
0A	GDR	20	WHITE POINT G
0B	BDR	20	WHITE POINT B

b. METHOD OF CANCELLATION FROM SERVICE MODE

Set the standby condition (Press POWER button on the commander) and then press POWER button again, hereupon it becomes TV mode.

c. METHOD OF WRITE FOR MEMORY

1) Set to Service Mode.
2) Press 1 (UP) and 4 (DOWN), select the item for adjustment.
3) Press MUTING button indicate WRITE (Green) on screen.
4) Press 0 button to write into memory.

d. MEMORY WRITE CONFIRMATION METHOD

1) After adjustment, pull out the plug from the AC outlet, and then plug into the AC outlet again.
2) Turn the power switch ON and set to Service Mode.
3) Call the adjusted items again to confirm adjustments were made.

DATA

09   RDR   1 F   SERVICE

Adjustment Item

Item number

09   RDR   1 F   WRITE ◄── MUTING

↓ Green

0

Executes the writing
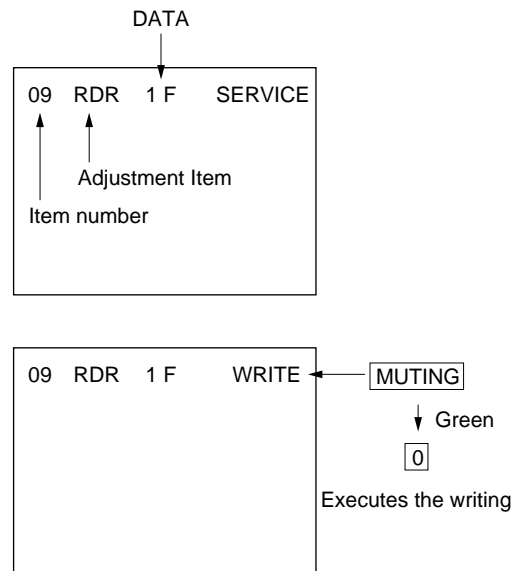
3-4. G2 (SCREEN) AND WHITE BALANCE ADJUSTMENTS

1. G2 (SCREEN) ADJUSTMENT (RV701)

1) Set the PICTURE and BRIGHTNESS to normal.
2) Put to VIDEO input mode without signals.
3) Connect R, G, and B of the C board cathode to the oscilloscope.
4) Adjust G2 (RV701) volume to the value below.

165V ± 2 V DC

0 V
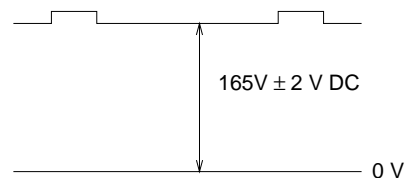
2. WHITE BALANCE ADJUSTMENTS

1) Set to Service Mode.
2) Input an entire white signal.
3) Set the PICTURE to maximum.
4) Select RDR(09) with 1 and 4 , and then set the level to 25 with 3 and 6 .
5) Select GDR(0A) and BDR(0B) with 1 and 4 and adjust the level with 3 and 6 for the best white balance.
6) Write into the memory by pressing MUTING then 0 .

SECTION 4
SELF DIAGNOSIS FUNCTION

If no acknowledgement is returned from a device which is turned "ON", the device has a problem.
In this case, one of the LED's responding to the problem device will flicker a defined number of times.

Flickering is operated by lighting the LED's for 60ms each time.

The flickering frequency responding to each failed device is shown below.

Board name	A Board	A Board
Ref. No.	IC003	IC300
Device	NONVOLATILE MEMORY (ST24C04FB6)	Y/C JUNGLE (TDA8374A)
Flickering Frequency	1	3

All the devices are checked one after another from the left of the table.
If an error is found, the responding LED will start flickering.
So, if more than 1 device have failed, only the one on the left side will flicker.

SECTION 5
CIRCUIT ADJUSTMENTS

5-1. ADJUSTMENTS WITH COMMANDER

Service adjustments are made with the RM-869 that comes with this unit.

Entering service mode

With the unit on standby

↓

DISPLAY

↓

5

↓

VOL (+)

↓

POWER
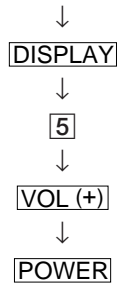
The operation sequence puts the unit into service mode.
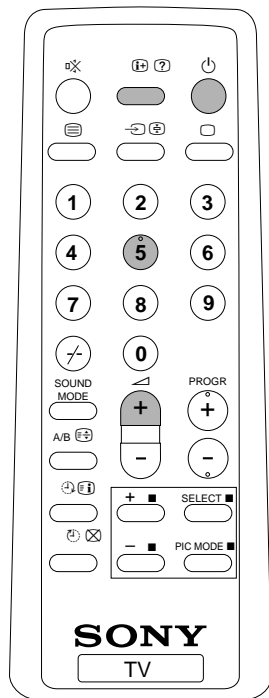
RM-869

1 , 4	Raise/lower the service item number
3 , 6	Raise/lower the data
MUTING	Writes
0	Executes the writing

7 , 0	All data becomes the values in memory
8 , 0	All user control goes to the standard state
5 , 0	Service data initialization (Be sure not to use usually.)
2 , 0	Write 50Hz adjustment data to 60Hz, or viceversa.

The screen display is :

① Adjustment item

Item #   Data   Mode

| 00 | HSF | 08 | SERVICE | ← Mode |
| 052S | V3.2C | 00 | (50) | ← Depends on the signals PAL, SECAM : 50 NTSC : 60 |

German A2 Stereo
Software Version #
OEM CODE

②

| 3D | OP0 | 00 | SERVICE |
| 0000 | 0000 | 00 | 50 |
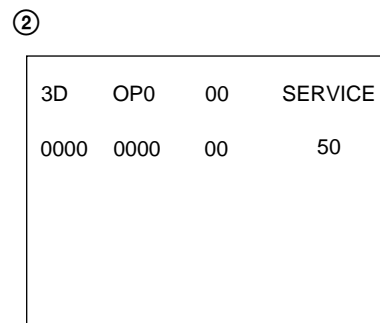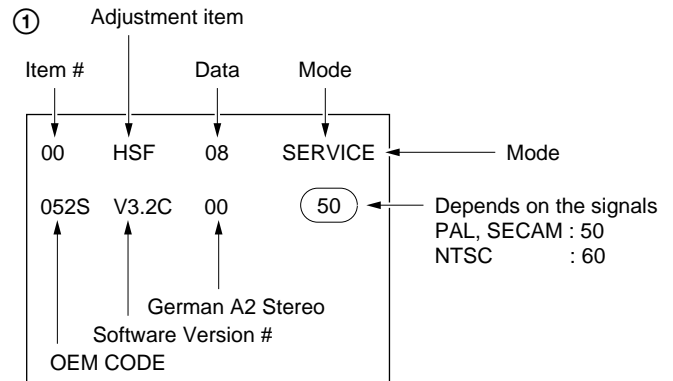
(Bit options adjustable)

1 , 4	Select the adjustment item.
↓	
3 , 6	Raise/lower the data.
↓	
MUTING	Writes
↓	
0	Executes the writing.

5-2. ADJUSTMENT METHOD

Item Number 08

This explanation uses V-SHIFT as an example.

1. Select 08 V-SHIFT with the $\boxed{1}$ and $\boxed{4}$ buttons.
2. Raise/lower the data with the $\boxed{3}$ and $\boxed{6}$ buttons.
3. Select the optimum state. (The standard is 0F for PAL reception.)
4. Write with the $\boxed{\text{MUTING}}$ button.
5. Execute the writing with the $\boxed{0}$ button. (The WRITE display returns to green SERVICE.)

Use the same method for Items Number 00-40. Use $\boxed{1}$ and $\boxed{4}$ to select the adjustment item, use $\boxed{3}$ and $\boxed{6}$ to adjust, write with $\boxed{\text{MUTING}}$, then execute the write with $\boxed{0}$.

```
08     VSF    0C        SERVICE  ◄──── GREEN

052S   V3.2C  ↑00           50
```
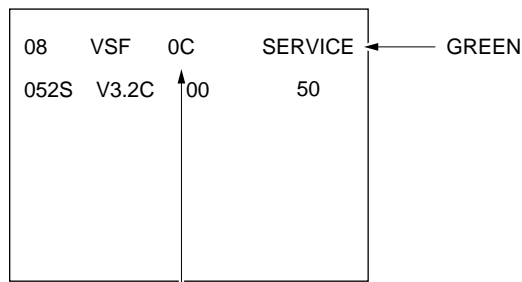
Adjusted with 3 and 6 buttons

```
08     VSF    0C        WRITE    ◄──── GREEN

052S   V3.2C   00           50
```

Written with $\boxed{\text{MUTING}}$

```
08     VSF    0C        WRITE    ◄── GREEN
                                     The WRITE display
Blank ──►                            will change back to
                                     SERVICE.
                                     (2nd line disappear
                                     when written)
```
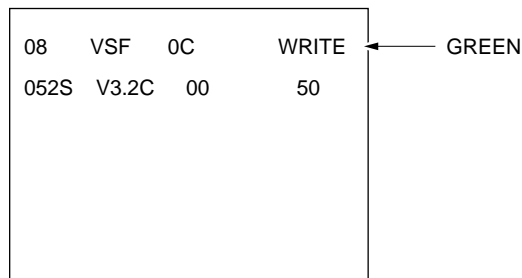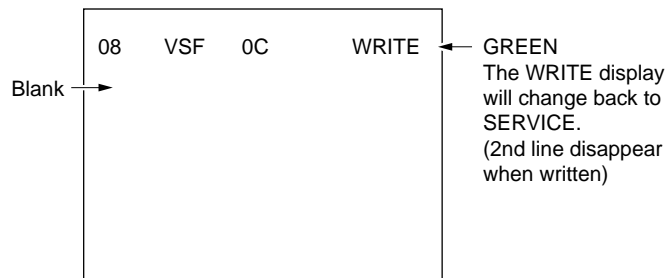
Write executed with $\boxed{0}$

Adjustment Item Table

Item No.	Adj Item	Initial Data	Note for Different Data	Standard Data	Function	Device
00	HSF	24	50/60Hz/RGB 50/RGB 60	1F/28/1F/28	H Shift	F
01	HSZ	23	50/60Hz/RGB 50/RGB 60	20/20/20/20	H Size	
02	PAP	21	50/60Hz	20/20	Pin Amplitude	
03	CNP	29	50/60Hz	20/20	Corner Pin	
04	TLT	20	50/60Hz	20/20	Tilt	
05	VSL	20	50/60Hz	1F/1F	V Slope	
06	VAP	ID	50/60Hz	2A/2A	V Amplitude	
07	SCR	20	50/60Hz	15/15	S Correction	
08	VSF	20	50/60Hz	23/23	V Shift	
09	RDR	25			R Drive	
0A	GDR	20			G Drive	
0B	BDR	20			B Drive	
0C	FO	00	TV/Video/Teletext	00/00/00	ø1 Time Constant	
0D	AGC	06	TV/Video/Teletext	28/28/28	AGC Take Over	
0E	VSW	0	TV/Video/Teletext	0/1/0	Video Mute Switch	
0F	FOR	00		03	Forced Field Frequency	
10	DL	0			De-interlace	
11	POC	0			Fixed ø1 Synchro. mode	
12	COR	0	TV/Video/Teletext	01/00/00	Noise Coring	
13	VPX	00			Extra Bits (see below)	
14	PMX	27	TV/Video/Teletext	20/20/20	Picture Maximum Data	
15	PMI	05		04	Picture Minimum Data	
16	SBR	4B			Sub Brightness	
17	SHU	07			Sub Hue	
18	SSH	01	TV/Video	01/03	Sub Sharpness	
19	SC1	1F	50/60Hz	26/29	Sub Color Lower	
1A	SC2	0B	50/60Hz	0C/0D	Sub Color Higher	
1B	AIP	40		3F	Adjustment IF-PLL	
1C	VZM	20		19	Vertical Zoom	
1D	WST	15			W/G Stereo Threshold	
1E	WBT	EA			W/G Bilingual Threshold	
1F	WLL	05			W/G Monaural Threshold	
20	ACG	1			AGC Switch auto/constant	
21	CDB	28			AGC Gain at Constant Mode	
22	FGP	1B			FM Prescale for B/G.I.D/K	
23	FMP	32			FM Prescale for M	
24	FMH	36			FM Prescale for HDEV Mode	
25	FMM	65			FM Prescale for HDEV Mode	
26	WGP	2A			W/G Prescale	
27	NIP	6D			NICAM Prescale	
28	SCP	3B			SCART Input Prescale	
29	SCV	2A			SCART Output Prescale	
2A	CRM	0			Carrier Muting on/off	
2B	ACO	1			Audio Clock-out on/off	
2C	WAC	00			W/G Agreement Count	
2D	NFT	50			Auto FM Switch Threshold	
2E	DLG	30			W/G Search Delay	
2F	DLN	20			NICAM Search Delay	
30	DLS	10			Stereo Status Read Delay	
31	SMX	73			DFP Volume Maximum	
32	ING	00	M System/non-M/Video		Input Gain	
33	VOM	01	M System only		Volume Output Gain	
34	TXH	01			Teletext Horizontal Position	
35	BKP	00			Picture Data at Blanking OFF	
36	ODL	10			Power ON Delay	
37	OFR	00			RGB Output Time (STBY OFF)	
38	OFM	00			RGB Output Time (AC OFF)	

Item No.	Adj Item	Initial Data	Note for Different Data	Standard Data	Function	Device
39	OSH	0A			OSD H Position	
3A	DKS	1		0	D/K Stereo enable/disable	
3B	MUT	0			Muting on/off at No Sync	
3C	ABL	0			Bright ABL Switch	
3D	SCM	0			SECAM Trap active/inactive	
3E	FBT	1			FBT L/S C/M strict/plain	
3F	OP0	2F			Optional Flags 0 (see below)	
40	OP1	0F			Optional Flags 1 (see below)	
41	OP2	00		20	Optional Flags 2 (see below)	

NOTE
- Note for Different Data   Those are the standard data values written on the microprocessor. Therefore, the data values of the modes are stored respectively in the memory.
  In case of a device replacement, adjustment by rewriting the data value is necessary for some items.
- 50 .... 50 Hz data
- 60 .... 60 Hz data
- Note for Different Data listed on the adjustment item table are reference values, therefore it is different for every model.

Option Note

13. VPX	bit 7	bit 6	bit 5	bit 4	bit 3	bit 2	bit 1	bit 0
Item	HCO	EVG	SBL	PRD	–	–	–	VID
Initial data	0	0	0	0	0	0	0	0

HCO	EHT Tracking Mode	1 = on V and E–W, 0 = only on V	0A (7)
EVG	Enable Vertical Guard	1 = enable, 0 = disable	0A (6)
SBL	Service Blanking	1 = active, 0 = inactive	0B (7)
PRD	Over-voltage Protection Detection	1 = enable, 0 = disable	0B (6)
VID	Video Ident Mode	1 = not for ø1-loop, 0 = for ø1-loop	09 (7)

3A. OP0	bit 7	bit 6	bit 5	bit 4	bit 3	bit 2	bit 1	bit 0
Item	No TOP	AV input		AVMUT	B/G	I	D/K	M
Initial data	0	1	0	0	1	1	1	1

AV Input   0   0   no AV input model   0   1   1 AV input model
              1   0   2 AV input model   1   1   2 AV input and RGB input model
No TOP (for teletext model)   1 = only FLOF available, 0 = both FLOF and TOP available
AVMUT   1 = AV multi is always muted if no signal input,   0 = not muted always
Other optional bits are effective if set to 1.

3B. OP1	bit 7	bit 6	bit 5	bit 4	bit 3	bit 2	bit 1	bit 0
Item	–	–	HDEV	1 V-Curve	XTAL SEL		SECAM	2nd Lang.
Initial data	0	0	0	0	1	1	1	1

XTAL SEL 0   0   only 4.43 XTAL   0   1   only 3.58 XTAL
             1   0   (not used)   1   1   both 4.43 and 3.58 XTAL
1 V-Curve (for monaural model)
            1 = using common volume curve for every mode and every TV system
            0 = another volume curve available for video mode and M system
HDEV   1 = High Deviation Mode switch available,   0 = not available
Other optional bits are effevctive if set to 1.

3C. OP2	bit 7	bit 6	bit 5	bit 4	bit 3	bit 2	bit 1	bit 0
Item	–	–	No Bal.	TV Out	Hotel	VM	D.B.F.B.	Thai Bil.
Initial data	0	0	0	0	0	0	0	0

No Bal. (for AV stereo model)   1 = no balance in analog select items,   0 = balance included
Other optional bits are effective if set to 1.
Hotel TV mode should be switched with remote commander from STBY condition as below.
        Hotel TV on : push "display", "8", "vol +" and "power" sequentially
        Hotel TV off : push "display", "8", "vol –" and "power" sequentially

5-3. A BOARD ADJUSTMENT AFTER IC003 (MEMORY) REPLACEMENT

1. Enter to Service Mode.

2. Press commander buttons $\boxed{5}$ and $\boxed{0}$ (Data Initialize), and $\boxed{2}$ and $\boxed{0}$ (Data Copy) to initialize the data.

3. Call each item number, and check if the respective screen shows the normal picture.
   In case some items are not well-adjusted, give them fine adjustment.
   Write the data per each item number ($\boxed{\text{MUTING}} + \boxed{0}$).

4. Select item numbers "3E" (OP0), "3F" (OP1) and "40" (OP2) and respectively set the bit per model with command buttons $\boxed{3}$ and $\boxed{6}$.

5. Press commander buttons $\boxed{8}$ and $\boxed{0}$ (Test Normal) to return to the data that was set on the shipment from the factory.
   (= Cancel Service Mode.)

5-4. PICTURE DISTORTION ADJUSTMENT

Item Number 00 – 08

00   HSF (H SHIFT)
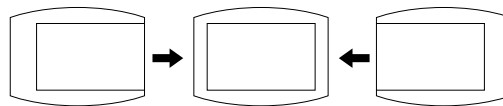
01   HSZ (H SIZE) A BOARD (L807)
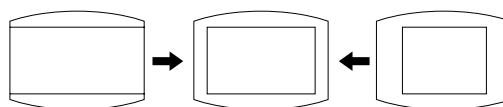
05   VSL (V SLOPE)
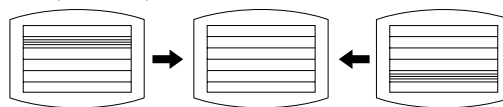
06   VAP (V AMPLITUDE)
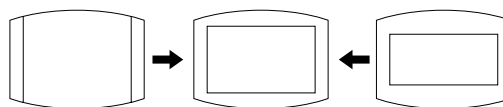
07   SCR (S CORRECTION)
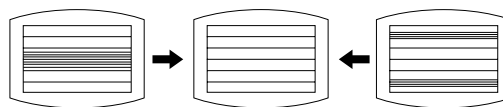
08   VSF (V SHIFT)
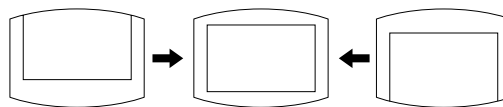
6-1. BLOCK DIAGRAM
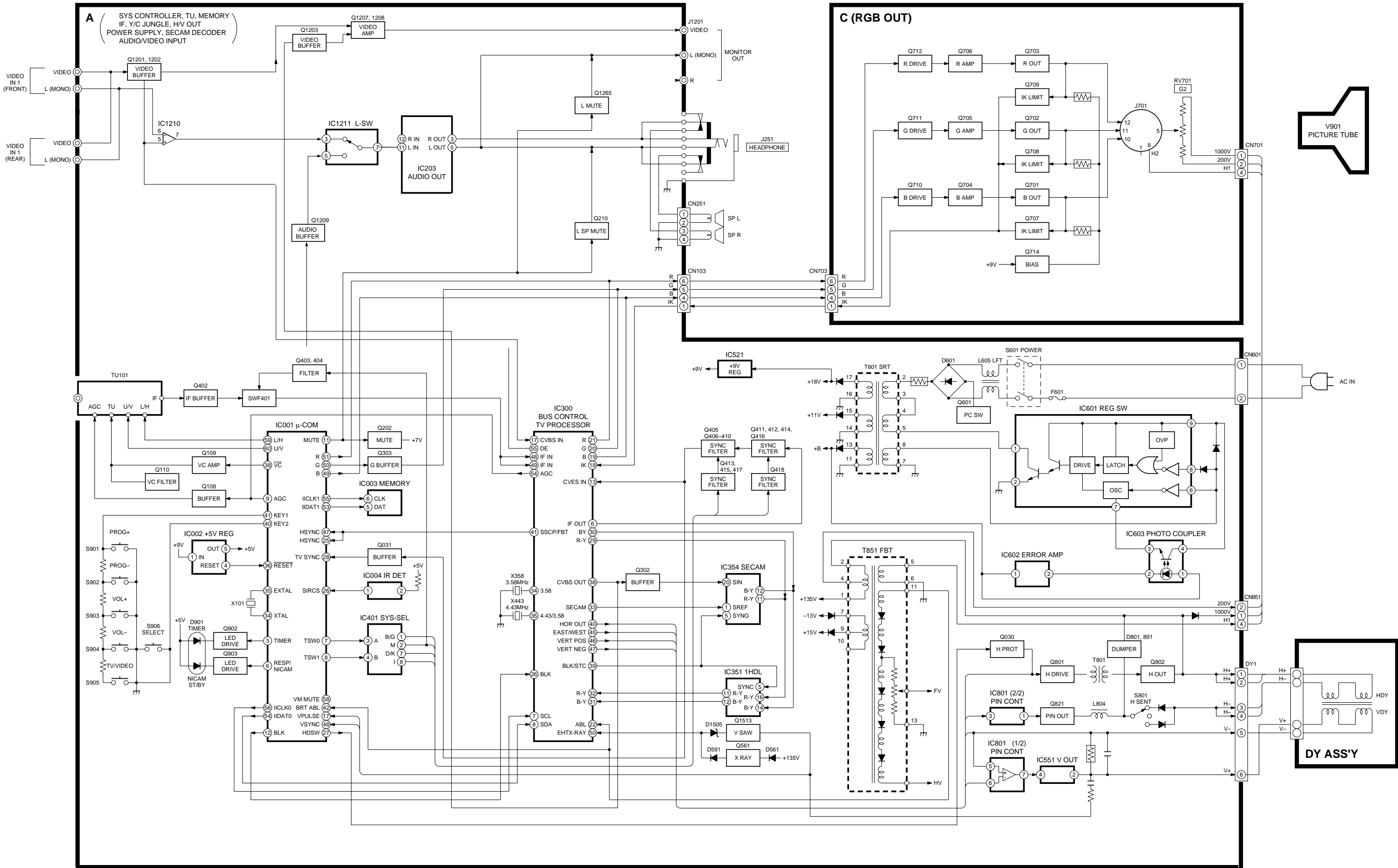
6-2. CIRCUIT BOARDS LOCATION
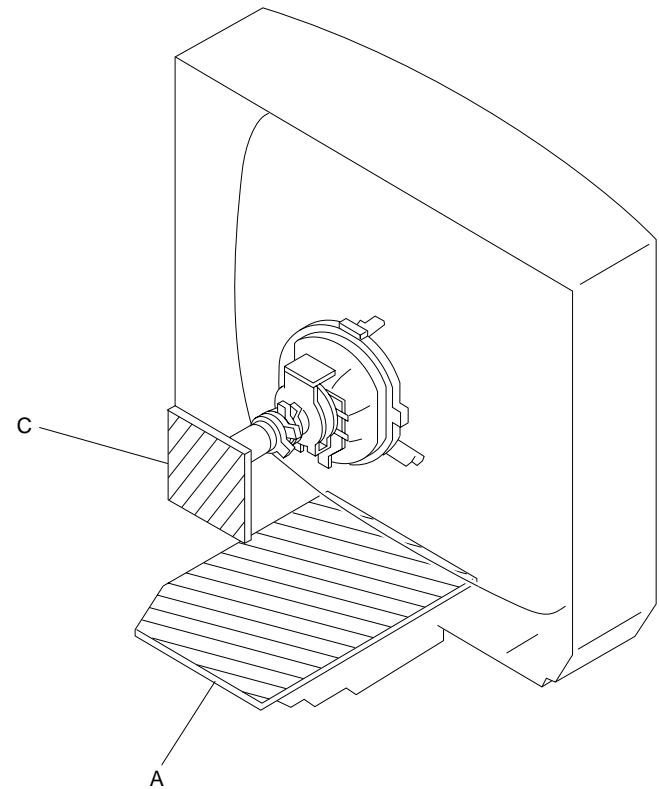
6-3. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

Note:
- All capacitors are in μF unless otherwise noted.
- All electrolytic capacitors are rated at 50V unless otherwise noted.
- All resistors are in ohms.
  kΩ = 1000Ω, MΩ = 1000kΩ
- Indication of resistance, which does not have one for rating electrical power, is as follows.

  Pitch: 5 mm
  Rating electrical power 1/4W (CHIP: 1/10W)

- ▭ : nonflammable resistor.
- △ : internal component.
- ▭ : panel designation, or adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- Readings are taken with a color-bar signal input.
  - no mark : PAL
  - ( ) : SECAM
  - [ ] : NTSC 3.58
  - « » : NTSC 4.43
- Readings are taken with a 10 MΩ digital multimeter.
- Voltage are dc with respect to ground unless otherwise noted.
- Voltage variations may be noted due to normal production tolerances.
- All voltages are in V.
- • : Can not be measured.
- Circled numbers are waveform reference.
- ▬▬▬ : B + bus.
- ▬▬▬ : B − bus.
- ▬▬▶ : signal path.

Reference information

RESISTOR	: RN	METAL FILM
	: RC	SOLID
	: FPRD	NONFRAMMABLE CARBON
	: FUSE	NONFLAMMABLE FUSIBLE
	: RS	NONFLAMMABLE METAL OXIDE
	: RB	NONFLAMMABLE CEMENT
	: RW	NONFLAMMABLE WIREWOUND
	: *	ADJUSTMENT RESISTOR
COIL	: LF-8L	MICRO INDUCTOR
CAPACITOR	: TA	TANTALUM
	: PS	STYROL
	: PP	POLYPROPYLENE
	: PT	MYLAR
	: MPS	METALIZED POLYESTER
	: MPP	METALIZED POLYPROPYLENE
	: ALB	BIPOLAR
	: ALT	HIGH TEMPERATURE
	: ALR	HIGH RIPPLE

Note:The component identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Terminal name of semiconductors in silk screen printed circuit (   )

Device	Printed symbol	Terminal name	Circuit
① Transistor		Collector / Base / Emitter	
② Transistor		Collector / Base / Emitter	
③ Diode		Cathode / Anode	
④ Diode		Cathode / Anode (NC)	
⑤ Diode		Cathode / Anode (NC)	
⑥ Diode		Common / Anode Cathode	
⑦ Diode		Common / Anode Cathode	
⑧ Diode		Common / Anode Anode	
⑨ Diode		Common / Anode Anode	
⑩ Diode		Common / Cathode Anode	
⑪ Diode		Common / Cathode Cathode	
⑫ Diode		Anode Cathode / Cathode Anode	
⑬ Transistor (FET)		Drain / Source Gate	
⑭ Transistor (FET)		Drain / Source Gate	
⑮ Transistor (FET)		Source / Drain Gate	
⑯ Transistor		Emitter / Collector Base	
⑰ Transistor			
⑱ Transistor			
⑲ Transistor			
⑳ Transistor			
㉑ Transistor			
㉒ Transistor			
㉓ Transistor			
— Discrete semiconductor			

(Chip semiconductors that are not actually used are included.)

Ver.1.3

A [TUNER, IF, Y/C JUNGLE, SECAM DECODER, H/V OUT, MEMORY,
SYSTEM CONTROLLER, AUDIO/VIDEO IN/OUT, POWER SUPPLY]

A BOARD

– A BOARD –

IC		DIODE		
IC001	D–11	D001	D–9	*
IC002	E–10	D002	C–12	–
IC003	E–10	D003	C–10	③
IC004	I–13	D005	E–8	–
IC100	E–7	D008	H–13	–
IC203	B–10	D103	D–1	①
IC300	D–4	D201	B–8	③
IC351	D–8	D251	B–8	③
IC354	D–7	D252	F–11	④
IC401	B–7	D253	C–9	③
IC521	E–8	D300	D–4	③
IC555	J–6	D301	D–8	③
IC601	J–8	D302	C–8	③
IC602	H–7	D304	C–8	③
IC603	H–7	D305	D–8	③
IC801	F–6	D306	E–6	–
IC1210	A–2	D307	C–6	–
IC1211	B–3	D308	C–10	–
		D310	D–9	③
TRANSISTOR		D312	C–6	–
		D315	E–5	–
Q030	C–12 ①	D351	E–5	–
Q108	D–2 ①	D399	E–5	③
Q109	E–12 ①	D401	E–4	③
Q110	E–3 ①	D402	C–5	–
Q202	C–9 ①	D403	G–6	–
Q207	B–10 ①	D513	G–6	–
Q208	B–10 ①	D551	I–5	–
Q210	B–10 ①	D561	G–5	–
Q301	C–7 ①	D591	I–5	–
Q303	D–8 ①	D601	H–12	–
Q402	D–4	D604	G–8	–
Q403	E–4 ①	D606	G–8	–
Q404	E–4 ①	D607	I–8	–
Q405	C–6 ①	D609	I–9	–
Q407	B–6 ①	D610	H–8	–
Q408	C–7 ①	D611	I–8	–
Q409	C–6 ①	D613	E–9	–
Q410	C–6 ①	D801	F–2	–
Q411	C–6 ①	D802	F–2	–
Q412	C–5 ①	D851	H–4	–
Q413	B–5 ①	D852	H–4	–
Q414	C–5 ①	D853	I–3	–
Q416	B–5 ①	D855	J–4	–
Q417	B–6 ①	D857	F–3	–
Q418	B–5 ①	D858	F–4	–
Q561	I–6	D860	C–6	–
Q801	D–2	D901	H–13	–
Q802	F–1	D1201	A–2	–
Q821	E–6	D1202	B–1	–
Q902	D–10	D1207	B–2	–
Q903	D–11	D1208	B–2	–
Q1201	A–3 ①	D1504	G–6	–
Q1202	A–2 ①	D1505	G–6	–
Q1203	A–2 ①			
Q1204	B–2 ①			
Q1207	A–2 ①			
Q1208	B–2 ①			
Q1209	C–2 ①			
Q1265	C–1 ①			
Q1513	G–6 ①			

A BOARD WAVEFORMS

A BOARD IC300 TDA8375A
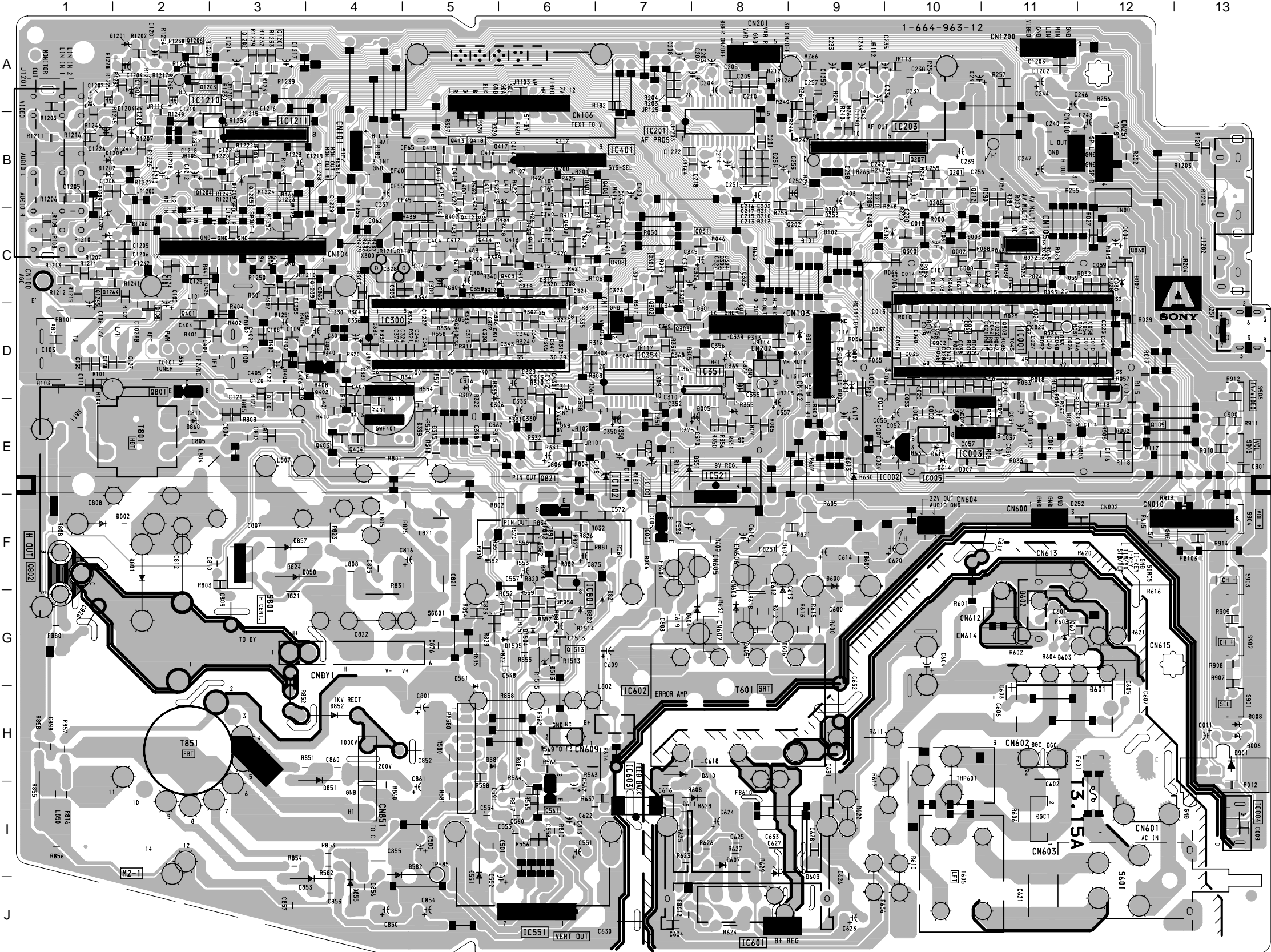
A BOARD IC351 TDA4665T-T
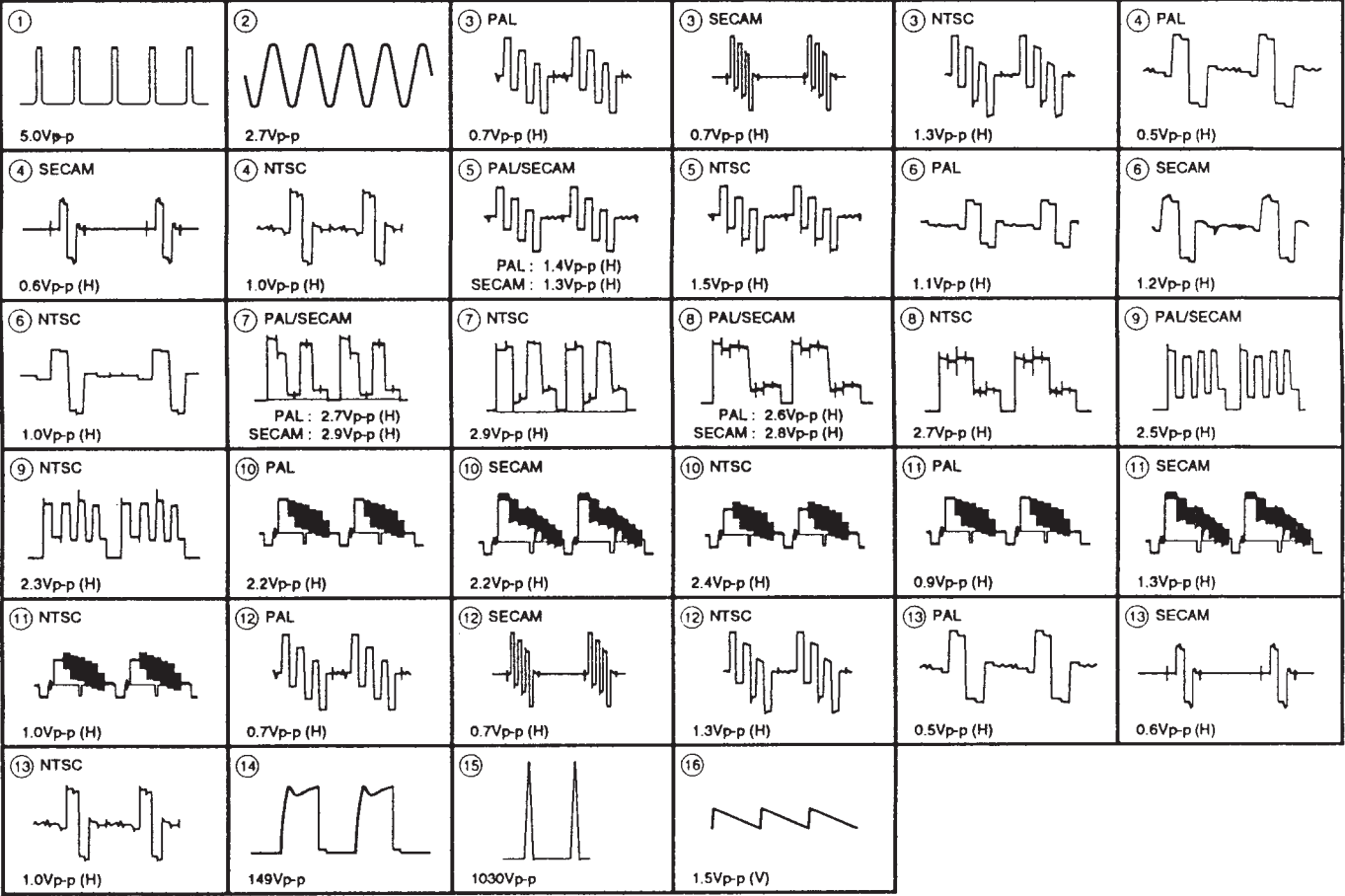
NOTE:
The circuit indicated as left contains high voltage of over 600
Vp-p. Please pay attention while inspecting or reparing it to
prevent an electric shock.

– C BOARD –

1-665-962-11
(1-713-983-11)

SONY
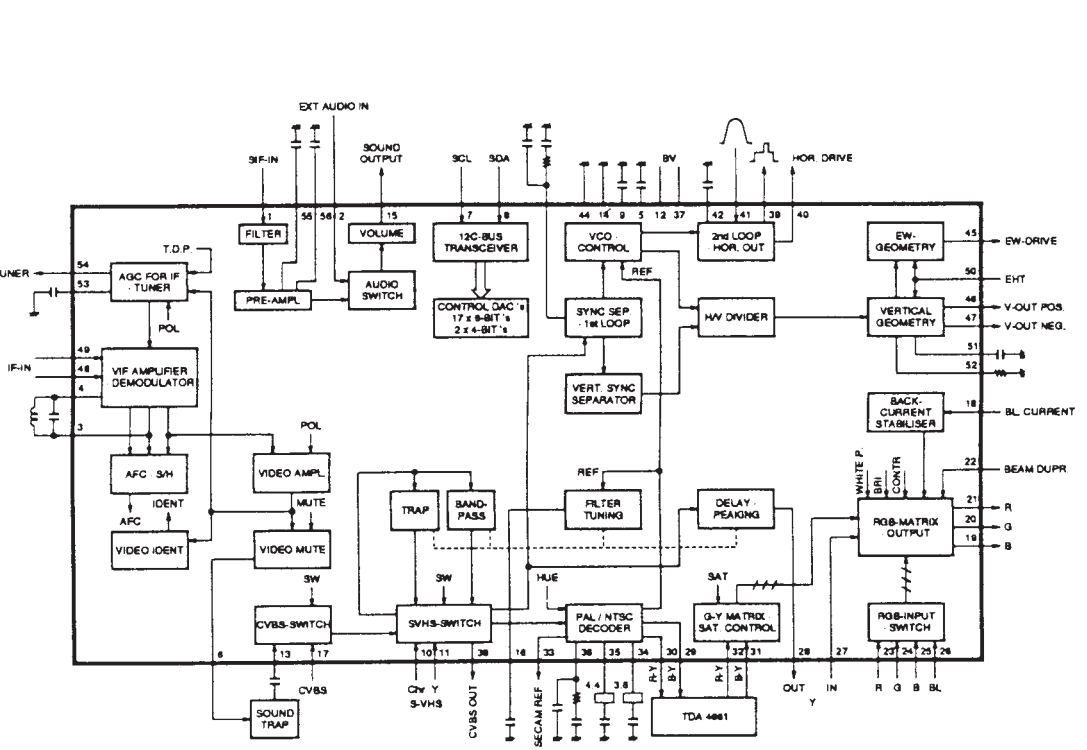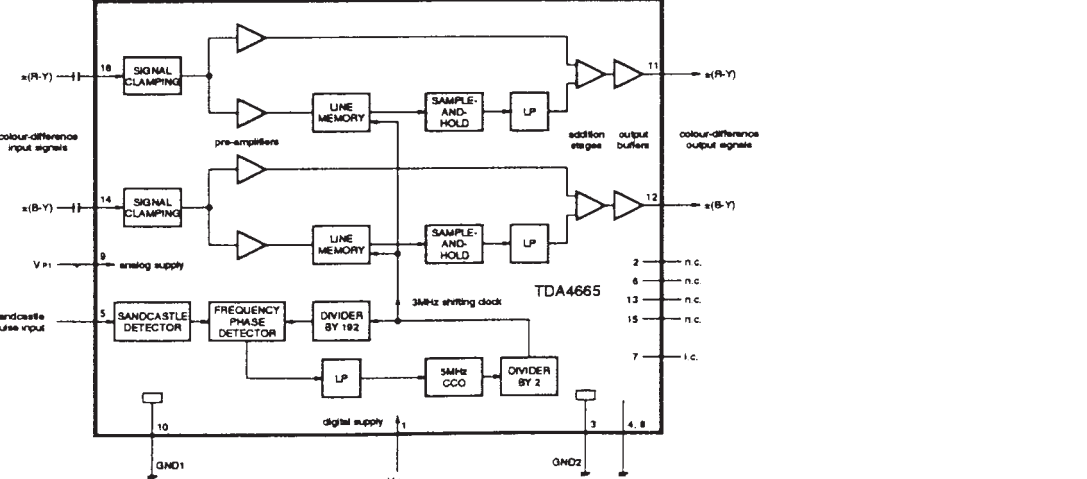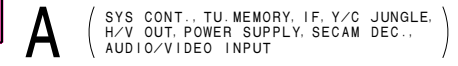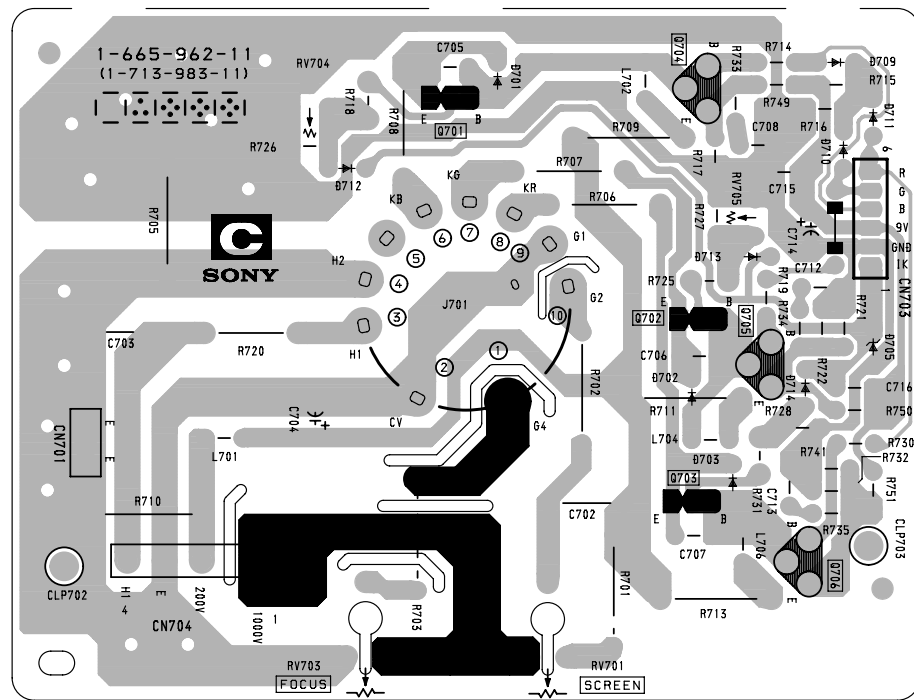
(2) Schematic Diagram of C Board
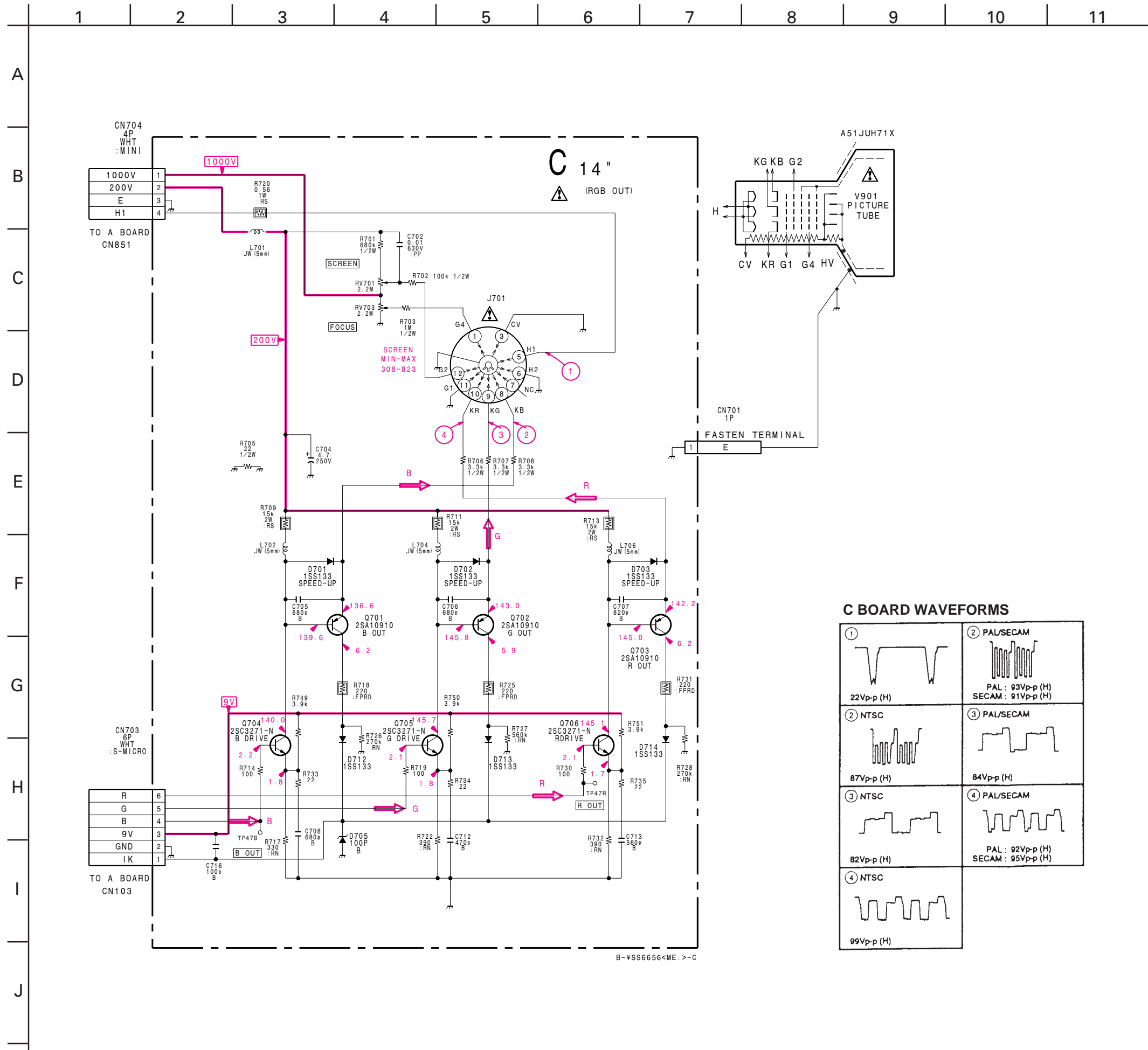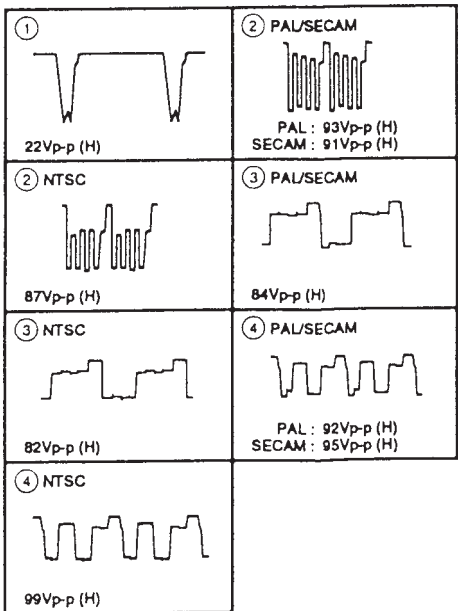
6-4. SEMICONDUCTORS

IC

CXP85220A-060S
ST24C04FB6
TDA4665T-T
TDA7438D
TDA8374A
TDA8395T

Dual In-line Package
Pin 6   '98
TOP VIEW
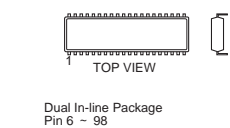
LA7830
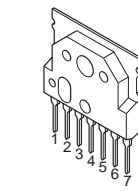
LA7910 (9PIN)
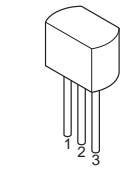
L78LR05D-MA
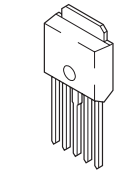
PC123F2
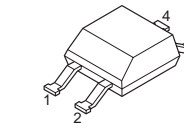
PQ09RE11
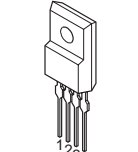
SBX-1790-11

SE115N

STR-S6707 (9PIN)

MARKING SIDE VIEW

Zig-zag In-line Package
Pin 6   '99

TA8248K

15

μPC4558G2 (8PIN)

TOP VIEW
Small Outline L-leaded Package
Pin 8   '98
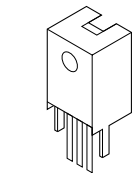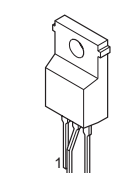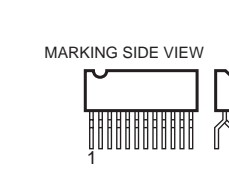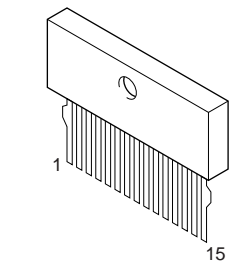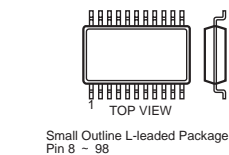
μPC574J
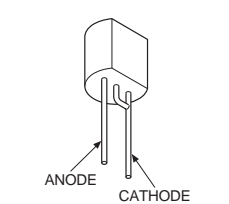
TRANSISTOR

UN2211
UN2213
UN2216
2SA1162-G
2SD601A-Q

B   E

2SA1091-O

E C B

2SC2410SN

LETTER SIDE

E C B

2SC2611

LETTER SIDE

E C B

2SC3209LK

E C B

2SD1877S

B C E
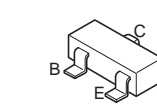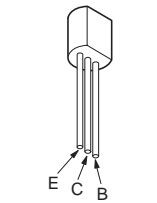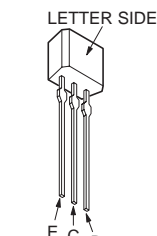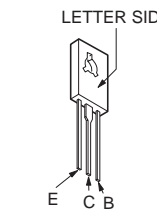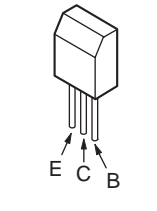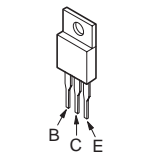
DIODE

DA204K
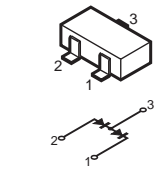
D1NL20
EL1Z
GP08D
RGP02-17EL-6433
RN4Z

CATHODE

ANODE
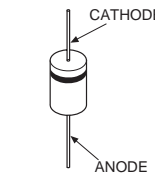
D4SB60L
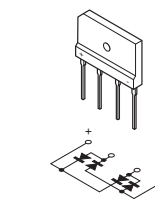
ERC06-15S
S3L20UF4
1SS133T-77

CATHODE

ANODE

RU4DS

CATHODE

ANODE

DTZ9.1
MA113-(TX)

ANODE

CATHODE

MA77

ANODE

CATHODE
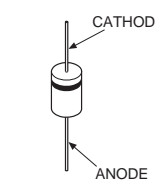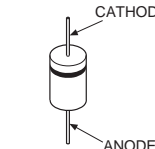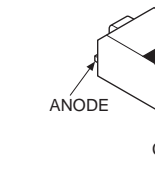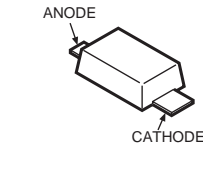
RD2.2ES-B2
RD3.6ESB1
RD4.7ESB2
RD5.1ES-B1
RD5.6ESB2
RD8.2ES-B2
RD9.1ES-L
1SS119-25

CATHODE

ANODE

C BOARD WAVEFORMS

① 22Vp-p (H)
② PAL/SECAM   PAL: 93Vp-p (H)   SECAM: 91Vp-p (H)
② NTSC   87Vp-p (H)
③ PAL/SECAM   84Vp-p (H)
③ NTSC   82Vp-p (H)
④ PAL/SECAM   PAL: 92Vp-p (H)   SECAM: 95Vp-p (H)
④ NTSC   99Vp-p (H)

C 14"
(RGB OUT)

V901 PICTURE TUBE
A51JUH71X

FASTEN TERMINAL

B-YSS6656<ME.>-C
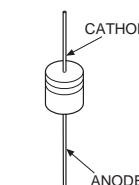
NOTE:

• Items with no part number and no description are not stocked because they are seldom required for routine service.

• The construction parts of an assembled part are indicated with a collation number in the remark column.

• Items marked " ＊ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark ⚠ are critical for safety.
Replace only with part number specified.

7-1. CHASSIS

● : 7-685-648-79   +BVTP 3X12
■ : 7-685-663-71   +BTP 4X16
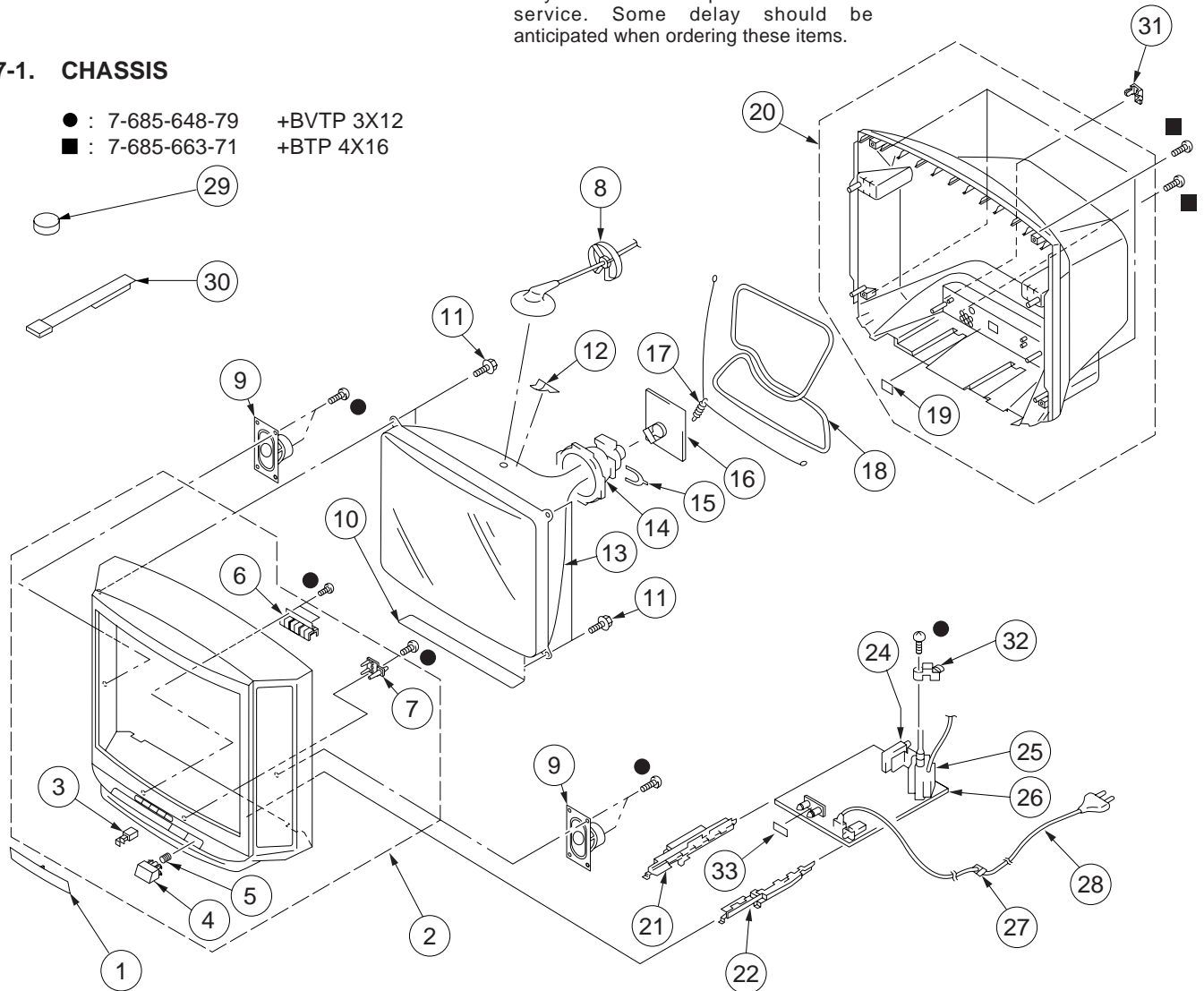
REF. NO.	PART NO.	DESCRIPTION	REMARK
1	4-061-401-51	DOOR, CONTROL	
2	X-4035-417-1	BEZNET ASSY	3-7
3	4-047-464-01	CATCHER, PUSH	
4	4-061-398-01	BUTTON, POWER	
5	4-036-405-11	SPRING, COMPRESSION	
6	4-061-400-01	BUTTON, MULTI	
7	＊4-061-399-01	GUIDE, LIGHT	
8	3-704-372-01	HOLDER, HV CABLE	
9	1-504-305-11	SPEAKER (5X12CM)	
10	4-372-556-11	SHEET, BLOTTING	
11	4-365-808-01	SCREW (5), TAPPING	
12	4-046-600-01	SPACER, DY	
13	⚠8-735-562-05	PICTURE TUBE (A34JBU70X)	
14	⚠8-451-418-21	DEFLECTION YOKE (Y14NDA2)	
15	1-452-277-00	MAGNET, BMC	
16	＊A-1331-749-A	C BOARD, COMPLETE	
17	4-369-318-00	SPRING, TENSION	

REF. NO.	PART NO.	DESCRIPTION	REMARK
18	⚠1-426-145-13	COIL, DEGAUSSING	
19	4-049-416-01	SHEET, BLIND	
20	⚠X-4035-263-1	COVER ASSY, REAR	
21	＊4-055-841-01	RAIL (L), GUIDE	
22	＊4-055-840-01	RAIL (R), GUIDE	
24	⚠8-598-323-10	TUNER, VSS BT-AG401	
25	⚠1-453-249-11	TRANSFORMER ASSY, FLYBACK (NX-1733//M3A)	
26	＊A-1298-495-A	A BOARD, COMPLETE	
27	⚠4-022-115-00	HOLDER, AC CORD	
28	⚠1-574-062-61	CORD, POWER (WITH CONNECTOR) 2.5A/250V	
29	1-452-032-00	MAGNET,DISK ; 10mmø	
30	4-051-736-21	PIECE A(90), CONV. CORRECT	
31	4-049-130-01	CLAMPER, CORD	
32	＊4-059-711-01	HOLDER, FBT	
33	4-063-543-01	SPACER	

A

NOTE:

Les composants identifies par une trame et une marque ⚠ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

• Items marked " ∗ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

• All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS
• All resistors are in ohms
• F : nonflammable

When indicating parts by reference number, please include the board name.

• CAPACITORS
 PF : μμ F

• There are some cases the reference number on one board overlaps on the other board. Therefore, when ordering parts by the reference number, please include the board name.

REF. NO.	PART NO.	DESCRIPTION		REMARK
	∗ A-1298-495-A	A BOARD, COMPLETE		
		************************		
	4-382-854-11	SCREW (M3X10), P, SW (+)		
		<CAPACITOR>		
C001	1-163-011-11	CERAMIC CHIP 0.0015MF	10%	50V
C002	1-126-965-11	ELECT 22MF	20%	50V
C003	1-163-117-00	CERAMIC CHIP 100PF	5%	50V
C004	1-126-961-11	ELECT 2.2MF	20%	50V
C006	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V
C007	1-126-959-11	ELECT 0.47MF	20%	50V
C008	1-163-117-00	CERAMIC CHIP 100PF	5%	50V
C009	1-163-133-00	CERAMIC CHIP 470PF	5%	50V
C010	1-163-037-11	CERAMIC CHIP 0.022MF	10%	50V
C011	1-126-967-11	ELECT 47MF	20%	16V
C012	1-163-117-00	CERAMIC CHIP 100PF	5%	50V
C013	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V
C014	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V
C015	1-101-884-00	CERAMIC 56PF	5%	50V
C016	1-101-884-00	CERAMIC 56PF	5%	50V
C017	1-163-117-00	CERAMIC CHIP 100PF	5%	50V
C018	1-163-117-00	CERAMIC CHIP 100PF	5%	50V
C019	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V
C020	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V
C021	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V
C022	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V
C023	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V
C024	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V
C025	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V
C026	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V
C027	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V
C028	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V
C029	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V
C032	1-163-031-11	CERAMIC CHIP 0.01MF		50V
C034	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C035	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V
C036	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V
C037	1-163-117-00	CERAMIC CHIP 100PF	5%	50V
C038	1-163-117-00	CERAMIC CHIP 100PF	5%	50V
C040	1-163-117-00	CERAMIC CHIP 100PF	5%	50V
C042	1-163-117-00	CERAMIC CHIP 100PF	5%	50V
C044	1-163-117-00	CERAMIC CHIP 100PF	5%	50V
C045	1-163-117-00	CERAMIC CHIP 100PF	5%	50V
C046	1-163-117-00	CERAMIC CHIP 100PF	5%	50V
C047	1-163-117-00	CERAMIC CHIP 100PF	5%	50V
C048	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C049	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C050	1-126-960-11	ELECT 1MF	20%	50V
C051	1-163-117-00	CERAMIC CHIP 100PF	5%	50V
C052	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C053	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V
C054	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V
C055	1-124-480-11	ELECT 470MF	20%	25V

REF. NO.	PART NO.	DESCRIPTION		REMARK
C056	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V
C057	1-163-243-11	CERAMIC CHIP 47PF	5%	50V
C058	1-163-117-00	CERAMIC CHIP 100PF	5%	50V
C059	1-163-117-00	CERAMIC CHIP 100PF	5%	50V
C060	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V
C061	1-164-505-11	CERAMIC CHIP 2.2MF		16V
C064	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V
C072	1-124-480-11	ELECT 470MF	20%	25V
C074	1-163-001-11	CERAMIC CHIP 220PF	10%	50V
C101	1-163-029-11	CERAMIC CHIP 0.0047MF		50V
C105	1-104-665-11	ELECT 100MF	20%	16V
C106	1-126-964-11	ELECT 10MF	20%	50V
C108	1-126-942-61	ELECT 1000MF	20%	16V
C109	1-163-017-00	CERAMIC CHIP 0.0047MF	10%	50V
C111	1-163-009-11	CERAMIC CHIP 0.001MF	10%	50V
C114	1-163-117-00	CERAMIC CHIP 100PF	5%	50V
C115	1-163-227-11	CERAMIC CHIP 10PF	0.5PF	50V
C116	1-136-165-00	FILM 0.1MF	5%	50V
C117	1-163-117-00	CERAMIC CHIP 100PF	5%	50V
C118	1-126-965-11	ELECT 22MF	20%	50V
C119	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V
C120	1-130-493-00	MYLAR 0.068MF	5%	50V
C121	1-130-493-00	MYLAR 0.068MF	5%	50V
C122	1-104-665-11	ELECT 100MF	20%	16V
C124	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C125	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C127	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C128	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C233	1-126-967-11	ELECT 47MF	20%	16V
C234	1-126-967-11	ELECT 47MF	20%	16V
C235	1-104-665-11	ELECT 100MF	20%	16V
C236	1-104-666-11	ELECT 220MF	20%	25V
C237	1-104-665-11	ELECT 100MF	20%	16V
C238	1-136-167-00	FILM 0.15MF	5%	50V
C239	1-104-665-11	ELECT 100MF	20%	16V
C240	1-136-167-00	FILM 0.15MF	5%	50V
C241	1-126-942-61	ELECT 1000MF	20%	25V
C242	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V
C243	1-126-964-11	ELECT 10MF	20%	50V
C244	1-126-942-61	ELECT 1000MF	20%	25V
C246	1-126-964-11	ELECT 10MF	20%	50V
C247	1-126-942-61	ELECT 1000MF	20%	25V
C252	1-126-961-11	ELECT 2.2MF	20%	50V
C253	1-104-665-11	ELECT 100MF	20%	16V
C255	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V
C258	1-130-494-11	MYLAR 0.082MF	5%	50V
C300	1-126-967-11	ELECT 47MF	20%	16V
C301	1-126-964-11	ELECT 10MF	20%	50V
C304	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C305	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C306	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C307	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C308	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V
C309	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V

⚠ A

REF. NO.	PART NO.	DESCRIPTION			REMARK
C310	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C311	1-163-231-11	CERAMIC CHIP	15PF	5%	50V
C312	1-163-231-11	CERAMIC CHIP	15PF	5%	50V
C313	1-104-665-11	ELECT	100MF	20%	16V
C314	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V
C315	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V
C316	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C317	1-164-505-11	CERAMIC CHIP	2.2MF		16V
C319	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C320	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C321	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C322	1-216-295-91	SHORT	0		
C323	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C324	1-164-505-11	CERAMIC CHIP	2.2MF		16V
C325	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C326	1-163-229-11	CERAMIC CHIP	12PF	5%	50V
C327	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C328	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C329	1-163-016-00	CERAMIC CHIP	0.0039MF	10%	50V
C330	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C331	1-126-964-11	ELECT	10MF	20%	50V
C332	1-136-165-00	FILM	0.1MF	5%	50V
C333	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C334	1-164-182-11	CERAMIC CHIP	0.0033MF	10%	50V
C335	1-102-973-00	CERAMIC	100PF	5%	50V
C336	1-126-964-11	ELECT	10MF	20%	50V
C337	1-104-665-11	ELECT	100MF	20%	16V
C338	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V
C339	1-163-121-00	CERAMIC CHIP	150PF	5%	50V
C340	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C341	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C342	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C344	1-126-964-11	ELECT	10MF	20%	50V
C349	1-126-963-11	ELECT	4.7MF	20%	50V
C350	1-126-967-11	ELECT	47MF	20%	16V
C351	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C352	1-164-489-11	CERAMIC CHIP	0.22MF	10%	16V
C358	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C359	1-104-665-11	ELECT	100MF	20%	16V
C361	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
C367	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C368	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C369	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C370	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C374	1-124-910-11	ELECT	47MF	20%	50V
C375	1-124-910-11	ELECT	47MF	20%	50V
C376	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V
C402	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C403	1-126-965-11	ELECT	22MF	20%	50V
C405	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C406	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C407	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C408	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C409	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C410	1-163-237-11	CERAMIC CHIP	27PF	5%	50V
C411	1-163-113-00	CERAMIC CHIP	68PF	5%	50V
C412	1-163-113-00	CERAMIC CHIP	68PF	5%	50V
C413	1-104-665-11	ELECT	100MF	20%	16V
C414	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C415	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C416	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C417	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C418	1-163-131-00	CERAMIC CHIP	390PF	5%	50V
C419	1-163-117-00	CERAMIC CHIP	100PF	5%	50V
C420	1-126-967-11	ELECT	47MF	20%	16V
C422	1-163-263-11	CERAMIC CHIP	330PF	5%	50V
C423	1-163-263-11	CERAMIC CHIP	330PF	5%	50V
C424	1-163-133-00	CERAMIC CHIP	470PF	5%	50V

REF. NO.	PART NO.	DESCRIPTION			REMARK
C501	1-102-228-00	CERAMIC	470PF	10%	500V
C523	1-104-665-11	ELECT	100MF	20%	16V
C548	1-106-220-00	MYLAR	0.1MF	10%	100V
C551	1-126-968-11	ELECT	100MF	20%	35V
C552	1-126-968-11	ELECT	100MF	20%	35V
C553	1-163-019-00	CERAMIC CHIP	0.0068MF	10%	50V
C554	1-102-244-00	CERAMIC	220PF	10%	500V
C555	1-101-804-00	CERAMIC	10PF	5%	500V
C562	1-104-665-11	ELECT	100MF	20%	16V
C603	1-161-830-00	CERAMIC	0.0047MF		500V
C604	1-107-414-11	ELECT(BLOCK)	220MF	20%	400V
C605	1-161-830-00	CERAMIC	0.0047MF		500V
C606	1-161-830-00	CERAMIC	0.0047MF		500V
C607	1-161-830-00	CERAMIC	0.0047MF		500V
C608	1-104-332-11	CERAMIC	470PF	10%	2KV
C609	1-124-347-00	ELECT	100MF	20%	160V
C610	1-126-943-11	ELECT	2200MF	20%	25V
C611	⚠1-117-697-11	CERAMIC	470PF	10%	250V
C612	1-102-228-00	CERAMIC	470PF	10%	500V
C613	1-102-824-00	CERAMIC	470PF	5%	50V
C614	1-126-943-11	ELECT	2200MF	20%	25V
C616	1-102-228-00	CERAMIC	470PF	10%	500V
C617	1-104-666-11	ELECT	220MF	20%	25V
C618	1-163-005-11	CERAMIC CHIP	470PF	10%	50V
C619	1-162-116-00	CERAMIC	680PF	10%	2KV
C621	⚠1-104-705-51	FILM	0.1MF	20%	250V
C622	1-106-383-00	MYLAR	0.047MF	10%	200V
C623	1-126-934-11	ELECT	220MF	20%	16V
C624	1-126-942-61	ELECT	1000MF	20%	16V
C625	1-102-074-00	CERAMIC	0.001MF	10%	50V
C627	1-162-116-00	CERAMIC	680PF	10%	2KV
C628	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C630	⚠1-117-697-11	CERAMIC	470PF	10%	250V
C631	1-161-830-00	CERAMIC	0.0047MF		500V
C632	⚠1-117-697-11	CERAMIC	470PF	10%	250V
C633	1-161-754-00	CERAMIC	0.001MF	10%	3KV
C634	1-163-005-11	CERAMIC CHIP	470PF	10%	50V
C801	1-123-024-21	ELECT	33MF		160V
C802	1-107-364-11	MYLAR	0.01MF	10%	200V
C804	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
C805	1-102-244-00	CERAMIC	220PF	10%	500V
C806	1-124-903-11	ELECT	1MF	20%	50V
C809	1-162-115-00	CERAMIC	330PF	10%	2KV
C810	1-106-365-00	MYLAR	0.0082MF	10%	200V
C811	1-101-821-00	CERAMIC	0.0022MF		500V
C812	⚠1-136-075-00	FILM	0.008MF	3%	2KV
C816	1-107-636-11	ELECT	10MF	20%	160V
C820	⚠1-162-116-00	CERAMIC	680PF	10%	2KV
C821	1-106-381-12	MYLAR	0.039MF		200V
C822	1-136-121-00	FILM	0.27MF	5%	200V
C823	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C825	1-107-364-11	MYLAR	0.01MF	10%	200V
C850	1-124-480-11	ELECT	470MF	20%	25V
C852	1-104-574-11	CERAMIC	0.0047MF	10%	2KV
C853	1-162-318-11	CERAMIC	0.001MF	10%	500V
C854	1-124-480-11	ELECT	470MF	20%	25V
C856	1-162-318-11	CERAMIC	0.001MF	10%	500V
C857	1-130-493-00	MYLAR	0.068MF	5%	50V
C860	1-102-228-00	CERAMIC	470PF	10%	500V
C861	1-107-654-11	ELECT	33MF	20%	250V
C876	1-107-369-11	MYLAR	0.068MF	10%	100V
C898	1-106-379-12	MYLAR	0.033MF	10%	100V
C900	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C901	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C1201	1-104-665-11	ELECT	100MF	20%	16V
C1202	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1204	1-104-665-11	ELECT	100MF	20%	16V
C1205	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1210	1-104-665-11	ELECT	100MF	20%	16V

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REF. NO.	PART NO.	DESCRIPTION			REMARK
C1213	1-126-960-11	ELECT	1MF	20%	50V
C1214	1-104-665-11	ELECT	100MF	20%	16V
C1217	1-104-665-11	ELECT	100MF	20%	16V
C1218	1-163-257-11	CERAMIC CHIP	180PF	5%	50V
C1219	1-104-665-11	ELECT	100MF	20%	16V
C1221	1-164-005-11	CERAMIC CHIP	0.47MF		25V
C1225	1-164-005-11	CERAMIC CHIP	0.47MF		25V
C1226	1-126-934-11	ELECT	220MF	20%	16V
C1228	1-164-346-11	CERAMIC CHIP	1MF		16V
C1229	1-164-005-11	CERAMIC CHIP	0.47MF		25V
C1230	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1260	1-163-019-00	CERAMIC CHIP	0.0068MF	10%	50V
C1513	1-124-122-11	ELECT	100MF	20%	50V

<FILTER>

CF45	1-527-943-00	FILTER, CERAMIC	
CF55	1-567-099-00	FILTER, CERAMIC	
CF60	1-567-100-00	FILTER, CERAMIC	
CF65	1-567-101-11	FILTER, CERAMIC	

<CONNECTOR>

CN100	* 1-508-784-00	PIN, CONNECTOR (5mm PITCH) 1P
CN101	* 1-560-124-00	PLUG, CONNECTOR (2.5MM) 4P
CN103	* 1-564-509-11	PLUG, CONNECTOR 6P
CN251	* 1-564-507-11	PLUG, CONNECTOR 4P
CN601	* 1-580-843-11	PIN, CONNECTOR (POWER)
CN602	* 1-508-786-00	PIN, CONNECTOR (5mm PITCH) 2P
CN603	* 1-508-786-00	PIN, CONNECTOR (5mm PITCH) 2P
CN851	1-508-766-00	PIN, CONNECTOR (5mm PITCH) 4P

<TRIMMER>

CT45	1-579-690-11	TRAP, CERAMIC
CT55	1-404-801-11	TRAP, CERAMIC
CT60	1-409-429-11	TRAP, CERAMIC
CT65	1-409-327-00	TRAP, CERAMIC (6.5MHZ)

<DIODE>

D001	8-719-109-81	DIODE RD4.7ESB2
D002	8-719-911-19	DIODE 1SS119-25
D003	8-719-041-97	DIODE MA113-(TX)
D005	8-719-109-84	DIODE RD5.1ESB1
D008	8-719-109-89	DIODE RD5.6ESB2
D103	8-719-914-42	DIODE DA204K
D201	8-719-041-97	DIODE MA113-(TX)
D251	8-719-041-97	DIODE MA113-(TX)
D252	8-719-914-42	DIODE DA204K
D253	8-719-041-97	DIODE MA113-(TX)
D300	8-719-041-97	DIODE MA113-(TX)
D301	8-719-041-97	DIODE MA113-(TX)
D302	8-719-041-97	DIODE MA113-(TX)
D304	8-719-041-97	DIODE MA113-(TX)
D305	8-719-041-97	DIODE MA113-(TX)
D306	8-719-911-19	DIODE 1SS119-25
D307	8-719-911-19	DIODE 1SS119-25
D308	8-719-109-54	DIODE RD2.2ESB2
D310	8-719-041-97	DIODE MA113-(TX)
D311	8-719-109-68	DIODE RD3.6ESB1
D312	8-719-110-08	DIODE RD8.2ESB2
D315	8-719-121-24	DIODE RD9.1ESL
D351	8-719-908-03	DIODE GP08D
D399	8-719-977-22	DIODE DTZ9.1
D401	8-719-421-40	DIODE MA77
D402	8-719-911-19	DIODE 1SS119-25
D403	8-719-911-19	DIODE 1SS119-25
D513	8-719-109-84	DIODE RD5.1ESB1

REF. NO.	PART NO.	DESCRIPTION	REMARK
D551	8-719-908-03	DIODE GP08D	
D561	8-719-911-19	DIODE 1SS119-25	
D591	8-719-911-19	DIODE 1SS119-25	
D601	8-719-510-53	DIODE D4SB60L	
D604	8-719-301-64	DIODE RU4DS	
D605	8-719-067-18	DIODE RN4Z	
D606	8-719-510-73	DIODE S3L20UF4	
D607	8-719-510-26	DIODE D1NL20-TA2	
D609	8-719-510-26	DIODE D1NL20-TA2	
D610	8-719-510-26	DIODE D1NL20-TA2	
D611	8-719-510-26	DIODE D1NL20-TA2	
D801	8-719-945-80	DIODE ERC06-15S	
D851	8-719-302-43	DIODE EL1Z	
D852	8-719-028-72	DIODE RGP02-17EL-6433	
D853	8-719-302-43	DIODE EL1Z	
D855	8-719-302-43	DIODE EL1Z	
D857	8-719-908-03	DIODE GP08D	
D858	8-719-908-03	DIODE GP08D	
D860	8-719-911-19	DIODE 1SS119-25	
D901	1-810-039-11	LED UNIT	
D1201	8-719-121-24	DIODE RD9.1ESL	
D1202	8-719-121-24	DIODE RD9.1ESL	
D1207	8-719-121-24	DIODE RD9.1ESL	
D1208	8-719-121-24	DIODE RD9.1ESL	
D1504	8-719-911-19	DIODE 1SS119-25	
D1505	8-719-109-81	DIODE RD4.7ESB2	

<FUSE>

F601	⚠ 1-532-237-11	FUSE, TIME-LAG (BET) 3.15A/250V	
	1-533-223-11	CLIP, FUSE ; F601	

<FERRITE BEAD>

FB101	1-410-397-21	FERRITE	1.1UH
FB102	1-410-397-21	FERRITE	1.1UH
FB103	1-410-397-21	FERRITE	1.1UH
FB251	1-410-397-21	FERRITE	1.1UH
FB601	1-410-397-21	FERRITE	1.1UH
FB603	1-410-397-21	FERRITE	1.1UH
FB610	⚠ 1-410-397-21	FERRITE	1.1UH
FB612	1-410-397-21	FERRITE	1.1UH

<IC>

IC001	8-752-891-61	IC CXP85220A-060S
IC002	8-759-805-37	IC L78LR05D-MA
IC003	8-759-370-33	IC ST24C04FB6
IC004	8-741-790-11	HYB IC SBX1790-11
IC100	8-759-157-40	IC uPC574J
IC203	8-759-339-60	IC TA8248K
IC300	8-759-365-25	IC TDA8374A
IC351	8-759-288-85	IC TDA4665T-T
IC354	8-759-251-56	IC TDA8395T
IC401	8-759-800-65	IC LA7910
IC521	8-759-195-63	IC PQ09RE11
IC551	8-759-801-98	IC LA7830
IC601	8-749-014-00	IC STR-S6707N
IC602	8-749-921-89	IC SE115N
IC603	⚠ 8-749-010-64	PHOTO COUPLER PC123F2
IC801	8-759-100-96	IC uPC4558G2
IC1210	8-759-100-96	IC uPC4558G2
IC1211	8-759-711-23	IC NJM2234L

<JACK>

J251	1-770-786-21	JACK
J1201	1-779-849-11	JACK BLOCK, PIN 4P
J1202	1-779-205-11	JACK, PIN 2P

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REF. NO.	PART NO.	DESCRIPTION			REMARK
		<CHIP CONDUCTOR>			
JR050	1-216-295-91	SHORT	0		
JR052	1-216-295-91	SHORT	0		
JR101	1-216-295-91	SHORT	0		
JR111	1-216-295-91	SHORT	0		
JR112	8-719-041-97	DIODE MA113-(TX)			
JR113	1-216-295-91	SHORT	0		
JR114	1-208-291-11	RES,CHIP	4.7M	5%	1/10W
JR118	1-216-295-91	SHORT	0		
JR126	1-216-295-91	SHORT	0		
JR179	1-216-295-91	SHORT	0		
JR203	1-216-295-91	SHORT	0		
JR204	1-216-295-91	SHORT	0		
JR266	1-216-295-91	SHORT	0		
		<COIL>			
L001	1-408-397-00	INDUCTOR 1UH			
L002	1-410-509-11	INDUCTOR 10UH			
L003	1-408-605-31	INDUCTOR 15UH			
L101	1-410-470-11	INDUCTOR 10UH			
L301	1-408-408-00	INDUCTOR 8.2UH			
L401	1-410-498-11	INDUCTOR 1.2UH			
L402	1-410-510-11	INDUCTOR 12UH			
L403	1-410-510-11	INDUCTOR 12UH			
L404	1-410-508-11	INDUCTOR 8.2UH			
L405	1-410-508-11	INDUCTOR 8.2UH			
L406	1-410-507-11	INDUCTOR 6.8UH			
L407	1-410-511-11	INDUCTOR 15UH			
L408	1-410-500-11	INDUCTOR 1.8UH			
L409	1-410-501-11	INDUCTOR 2.2UH			
L410	1-410-501-11	INDUCTOR 2.2UH			
L411	1-410-502-11	INDUCTOR 2.7UH			
L802	1-412-527-11	INDUCTOR 15UH			
L805	⚠ 1-460-046-11	COIL, HORIZONTAL LINEARITY			
L807	1-459-348-51	COIL, VAR, FERRITE (HWC)			
L808	1-412-553-11	INDUCTOR 3.3mH			
L821	1-406-677-11	COIL, CHOKE 10mH			
L850	1-408-947-00	INDUCTOR 2.2mH			
		<TRANSISTOR>			
Q030	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q108	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q109	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q110	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q202	8-729-216-22	TRANSISTOR 2SA1162-G			
Q207	8-729-216-22	TRANSISTOR 2SA1162-G			
Q208	8-729-421-19	TRANSISTOR UN2213			
Q210	8-729-424-67	TRANSISTOR UN2216			
Q301	8-729-421-22	TRANSISTOR UN2211			
Q303	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q402	8-729-922-66	TRANSISTOR 2SC2410SN			
Q403	8-729-424-67	TRANSISTOR UN2216			
Q404	8-729-424-67	TRANSISTOR UN2216			
Q405	8-729-216-22	TRANSISTOR 2SA1162-G			
Q406	8-729-216-22	TRANSISTOR 2SA1162-G			
Q407	8-729-216-22	TRANSISTOR 2SA1162-G			
Q408	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q409	8-729-216-22	TRANSISTOR 2SA1162-G			
Q410	8-729-216-22	TRANSISTOR 2SA1162-G			
Q411	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q412	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q413	8-729-424-67	TRANSISTOR UN2216			
Q414	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q415	8-729-424-67	TRANSISTOR UN2216			
Q416	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q417	8-729-424-67	TRANSISTOR UN2216			

REF. NO.	PART NO.	DESCRIPTION			REMARK
Q418	8-729-424-67	TRANSISTOR UN2216			
Q561	8-729-200-17	TRANSISTOR 2SA1091-O			
Q801	8-729-140-50	TRANSISTOR 2SC3209LK			
Q802	8-729-810-49	TRANSISTOR 2SD1877S-SONY-CA			
Q902	8-729-421-19	TRANSISTOR UN2213			
Q903	8-729-421-19	TRANSISTOR UN2213			
Q1201	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q1202	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q1203	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q1204	8-729-216-22	TRANSISTOR 2SA1162-G			
Q1207	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q1208	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q1209	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q1265	8-729-424-67	TRANSISTOR UN2216			
Q1513	8-729-422-27	TRANSISTOR 2SD601A-Q			
		<RESISTOR>			
R001	1-216-065-00	RES,CHIP	4.7K	5%	1/10W
R002	1-216-065-00	RES,CHIP	4.7K	5%	1/10W
R003	1-216-065-00	RES,CHIP	4.7K	5%	1/10W
R004	1-216-065-00	RES,CHIP	4.7K	5%	1/10W
R007	1-216-073-00	RES,CHIP	10K	5%	1/10W
R008	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R009	1-216-049-91	RES,CHIP	1K	5%	1/10W
R010	1-216-049-91	RES,CHIP	1K	5%	1/10W
R012	1-216-017-91	RES,CHIP	47	5%	1/10W
R013	1-216-049-91	RES,CHIP	1K	5%	1/10W
R014	1-216-049-91	RES,CHIP	1K	5%	1/10W
R015	1-216-049-91	RES,CHIP	1K	5%	1/10W
R016	1-216-049-91	RES,CHIP	1K	5%	1/10W
R017	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R018	1-216-033-00	RES,CHIP	220	5%	1/10W
R019	1-216-101-00	RES,CHIP	150K	5%	1/10W
R021	1-216-065-00	RES,CHIP	4.7K	5%	1/10W
R025	1-216-295-91	SHORT	0		
R026	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R028	1-216-025-91	RES,CHIP	100	5%	1/10W
R029	1-216-065-00	RES,CHIP	4.7K	5%	1/10W
R031	1-216-049-91	RES,CHIP	1K	5%	1/10W
R033	1-216-049-91	RES,CHIP	1K	5%	1/10W
R035	1-216-049-91	RES,CHIP	1K	5%	1/10W
R036	1-216-049-91	RES,CHIP	1K	5%	1/10W
R038	1-216-033-00	RES,CHIP	220	5%	1/10W
R040	1-216-033-00	RES,CHIP	220	5%	1/10W
R041	1-216-025-91	RES,CHIP	100	5%	1/10W
R042	1-216-039-00	RES,CHIP	390	5%	1/10W
R045	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R047	1-216-025-91	RES,CHIP	100	5%	1/10W
R048	1-216-025-91	RES,CHIP	100	5%	1/10W
R053	1-216-295-91	SHORT	0		
R054	1-216-073-00	RES,CHIP	10K	5%	1/10W
R057	1-216-049-91	RES,CHIP	1K	5%	1/10W
R060	1-216-037-00	RES,CHIP	330	5%	1/10W
R061	1-216-049-91	RES,CHIP	1K	5%	1/10W
R062	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R063	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R065	1-216-033-00	RES,CHIP	390	5%	1/10W
R066	1-216-033-00	RES,CHIP	390	5%	1/10W
R068	1-216-025-91	RES,CHIP	100	5%	1/10W
R071	1-216-037-00	RES,CHIP	330	5%	1/10W
R072	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R076	1-216-025-91	RES,CHIP	100	5%	1/10W
R077	1-216-025-91	RES,CHIP	100	5%	1/10W
R090	1-216-073-00	RES,CHIP	10K	5%	1/10W
R101	1-216-065-00	RES,CHIP	4.7K	5%	1/10W
R102	1-216-049-91	RES,CHIP	1K	5%	1/10W
R113	1-216-081-00	RES,CHIP	22K	5%	1/10W

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REF. NO.	PART NO.	DESCRIPTION				REMARK
R114	1-216-041-00	RES,CHIP	470	5%	1/10W	
R115	1-216-081-00	RES,CHIP	22K	5%	1/10W	
R116	1-216-081-00	RES,CHIP	22K	5%	1/10W	
R117	1-216-081-00	RES,CHIP	22K	5%	1/10W	
R118	1-216-081-00	RES,CHIP	22K	5%	1/10W	
R119	1-216-055-00	RES,CHIP	1.8K	5%	1/10W	
R120	1-216-109-00	RES,CHIP	330K	5%	1/10W	
R131	1-216-464-11	METAL OXIDE	18K	5%	2W	F
R180	1-216-033-00	RES,CHIP	220	5%	1/10W	
R181	1-216-033-00	RES,CHIP	220	5%	1/10W	
R182	1-216-033-00	RES,CHIP	220	5%	1/10W	
R240	1-216-039-00	RES,CHIP	390	5%	1/10W	
R242	1-216-039-00	RES,CHIP	390	5%	1/10W	
R243	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R244	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R245	1-216-069-00	RES,CHIP	6.8K	5%	1/10W	
R248	1-216-071-00	RES,CHIP	8.2K	5%	1/10W	
R250	1-216-071-00	RES,CHIP	8.2K	5%	1/10W	
R251	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R252	1-247-815-91	CARBON	220	5%	1/4W	
R253	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R254	1-249-389-11	CARBON	4.7	5%	1/4W	
R255	1-249-389-11	CARBON	4.7	5%	1/4W	
R256	1-247-815-91	CARBON	220	5%	1/4W	
R257	8-719-041-97	DIODE MA113-(TX)				
R265	1-216-061-00	RES,CHIP	3.3K	5%	1/10W	
R266	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R301	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R302	1-216-063-91	RES,CHIP	3.9K	5%	1/10W	
R303	1-216-025-91	RES,CHIP	100	5%	1/10W	
R304	1-216-025-91	RES,CHIP	100	5%	1/10W	
R305	1-216-033-00	RES,CHIP	220	5%	1/10W	
R306	1-216-033-00	RES,CHIP	220	5%	1/10W	
R307	1-216-033-00	RES,CHIP	220	5%	1/10W	
R308	1-216-033-00	RES,CHIP	220	5%	1/10W	
R309	1-216-033-00	RES,CHIP	220	5%	1/10W	
R310	1-216-097-91	RES,CHIP	100K	5%	1/10W	
R311	1-216-075-00	RES,CHIP	12K	5%	1/10W	
R312	1-216-025-91	RES,CHIP	100	5%	1/10W	
R313	1-216-053-00	RES,CHIP	1.5K	5%	1/10W	
R314	1-216-025-91	RES,CHIP	100	5%	1/10W	
R315	1-216-295-91	SHORT	0			
R318	1-216-097-91	RES,CHIP	100K	5%	1/10W	
R319	1-216-123-11	RES,CHIP	1.2M	5%	1/10W	
R320	1-216-083-00	RES,CHIP	27K	5%	1/10W	
R321	1-216-689-11	METAL CHIP	39K	0.50%	1/10W	
R322	1-216-083-00	RES,CHIP	27K	5%	1/10W	
R324	1-216-133-00	RES,CHIP	3.3M	5%	1/10W	
R325	1-216-295-91	SHORT	0			
R326	1-216-063-91	RES,CHIP	3.9K	5%	1/10W	
R327	1-216-295-91	SHORT	0			
R328	1-216-295-91	SHORT	0			
R329	1-216-295-91	SHORT	0			
R330	1-216-043-91	RES,CHIP	560	5%	1/10W	
R331	1-216-117-00	RES,CHIP	680K	5%	1/10W	
R332	1-216-033-00	RES,CHIP	220	5%	1/10W	
R333	1-216-077-00	RES,CHIP	15K	5%	1/10W	
R335	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R336	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R338	1-216-295-91	SHORT	0			
R339	1-216-036-00	RES,CHIP	300	5%	1/10W	
R340	1-216-035-00	RES,CHIP	270	5%	1/10W	
R341	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R351	1-216-001-00	RES,CHIP	10	5%	1/10W	
R355	1-216-001-00	RES,CHIP	10	5%	1/10W	
R356	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R360	1-208-291-11	RES,CHIP	4.7M	5%	1/10W	
R403	1-216-021-00	RES,CHIP	68	5%	1/10W	
R406	1-216-065-00	RES,CHIP	4.7K	5%	1/10W	
R407	1-216-063-91	RES,CHIP	3.9K	5%	1/10W	
R408	1-216-055-00	RES,CHIP	1.8K	5%	1/10W	
R409	1-216-025-91	RES,CHIP	100	5%	1/10W	
R410	1-216-073-00	RES,CHIP	10K	5%	1/10W	
R411	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R412	1-216-069-00	RES,CHIP	6.8K	5%	1/10W	
R413	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R414	1-216-041-00	RES,CHIP	470	5%	1/10W	
R415	1-216-033-00	RES,CHIP	220	5%	1/10W	
R416	1-216-033-00	RES,CHIP	220	5%	1/10W	
R417	1-216-033-00	RES,CHIP	220	5%	1/10W	
R418	1-216-045-00	RES,CHIP	680	5%	1/10W	
R419	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R420	1-216-039-00	RES,CHIP	390	5%	1/10W	
R421	1-216-033-00	RES,CHIP	220	5%	1/10W	
R422	1-216-027-00	RES,CHIP	120	5%	1/10W	
R423	1-216-029-00	RES,CHIP	150	5%	1/10W	
R424	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R425	1-216-039-00	RES,CHIP	390	5%	1/10W	
R426	1-216-029-00	RES,CHIP	150	5%	1/10W	
R427	1-216-037-00	RES,CHIP	330	5%	1/10W	
R428	1-216-081-00	RES,CHIP	22K	5%	1/10W	
R429	1-216-039-00	RES,CHIP	390	5%	1/10W	
R430	1-216-041-00	RES,CHIP	470	5%	1/10W	
R431	1-216-081-00	RES,CHIP	22K	5%	1/10W	
R432	1-216-041-00	RES,CHIP	470	5%	1/10W	
R433	1-216-081-00	RES,CHIP	22K	5%	1/10W	
R434	1-216-041-00	RES,CHIP	470	5%	1/10W	
R435	1-216-041-00	RES,CHIP	470	5%	1/10W	
R436	1-216-081-00	RES,CHIP	22K	5%	1/10W	
R437	1-216-081-00	RES,CHIP	22K	5%	1/10W	
R440	1-216-029-00	RES,CHIP	150	5%	1/10W	
R521	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R555	1-249-427-11	CARBON	6.8K	5%	1/4W	
R556	1-216-049-91	RES,CHIP	1K	5%	1/10W	
R557	1-216-055-00	RES,CHIP	1.8K	5%	1/10W	
R560	1-216-295-91	SHORT	0			
R561	1-249-421-11	CARBON	2.2K	5%	1/4W	
R562	1-249-418-11	CARBON	1.2K	5%	1/4W	F
R563	1-260-126-11	CARBON	180K	5%	1/2W	
R564	1-216-091-00	RES,CHIP	56K	5%	1/10W	
R565	1-216-091-00	RES,CHIP	56K	5%	1/10W	
R566	1-216-065-00	RES,CHIP	4.7K	5%	1/10W	
R569	1-260-125-11	CARBON	150K	5%	1/2W	
R571	1-216-033-00	RES,CHIP	220	5%	1/10W	
R610	1-215-924-00	METAL OXIDE	15K	5%	3W	F
R611	⚠ 1-202-933-61	FUSIBLE	0.1	10%	1/2W	F
R612	1-249-377-11	CARBON	0.47	5%	1/4W	F
R613	1-219-134-11	FUSIBLE	0.1	10%	1/4W	
R614	1-215-877-11	METAL OXIDE	22K	5%	1W	F
R615	1-249-389-11	CARBON	4.7	5%	1/4W	
R616	⚠ 1-218-265-91	METAL	8.2M	5%	1W	
R617	1-215-924-00	METAL OXIDE	15K	5%	3W	F
R618	1-249-377-11	CARBON	0.47	5%	1/4W	F
R619	1-219-134-11	FUSIBLE	0.1	10%	1/4W	
R620	1-202-962-11	CEMENTED	3.3	5%	10W	
R622	1-207-615-00	WIREWOUND	0.33	10%	2W	F
R623	1-247-807-31	CARBON	100	5%	1/4W	
R624	1-216-446-00	METAL OXIDE	18	5%	2W	F
R625	1-249-424-11	CARBON	3.9K	5%	1/4W	
R626	1-249-420-11	CARBON	1.8K	5%	1/4W	
R627	1-249-417-11	CARBON	1K	5%	1/4W	
R628	1-249-417-11	CARBON	1K	5%	1/4W	
R629	1-249-401-11	CARBON	47	5%	1/4W	
R636	1-215-924-00	METAL OXIDE	15K	5%	3W	F
R801	1-215-921-11	METAL OXIDE	4.7K	5%	⚠ 3W	F
R803	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	
R804	1-216-049-91	RES,CHIP	1K	5%	1/10W	

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REF. NO.	PART NO.	DESCRIPTION			REMARK
R805	1-216-081-00	RES,CHIP	22K	5%	1/10W
R809	1-247-763-11	CARBON	8.2K	5%	1/2W F
R811	1-216-350-11	METAL OXIDE	1.2	5%	1W F
R816	1-249-437-11	CARBON	47K	5%	1/4W
R820	1-216-053-00	RES,CHIP	1.5K	5%	1/10W
R821	1-216-475-11	METAL OXIDE	120	5%	3W F
R822	1-216-429-00	METAL OXIDE	270	5%	1W F
R823	1-215-869-11	METAL OXIDE	1K	5%	1W F
R824	1-215-889-00	METAL OXIDE	330	5%	2W F
R825	1-249-392-11	CARBON	8.2	5%	1/4W F
R829	1-216-651-11	METAL CHIP	1K	0.50%	1/10W
R831	1-215-887-00	METAL OXIDE	150	5%	2W F
R834	1-216-065-00	RES,CHIP	4.7K	5%	1/10W
R851	1-249-382-11	CARBON	1.2	5%	1/4W F
R852	1-249-417-11	CARBON	1K	5%	1/4W F
R853	1-249-377-11	CARBON	0.47	5%	1/4W F
R854	1-249-377-11	CARBON	0.47	5%	1/4W F
R855	1-260-107-11	CARBON	4.7K	5%	1/2W
R856	1-249-429-11	CARBON	10K	5%	1/4W
R857	1-249-440-11	CARBON	82K	5%	1/4W
R858	1-216-370-11	METAL OXIDE	1.2	5%	2W F
R860	1-247-887-00	CARBON	220K	5%	1/4W
R883	1-216-696-11	METAL CHIP	75K	0.50%	1/10W
R895	1-216-349-00	METAL OXIDE	1	5%	1W F
R898	1-249-421-11	CARBON	2.2K	5%	1/4W
R902	1-216-065-00	RES,CHIP	4.7K	5%	1/10W
R906	1-216-065-00	RES,CHIP	4.7K	5%	1/10W
R907	1-216-043-91	RES,CHIP	560	5%	1/10W
R908	1-216-059-00	RES,CHIP	2.7K	5%	1/10W
R909	1-216-071-00	RES,CHIP	8.2K	5%	1/10W
R910	1-216-043-91	RES,CHIP	560	5%	1/10W
R911	1-216-059-00	RES,CHIP	2.7K	5%	1/10W
R912	1-216-071-00	RES,CHIP	8.2K	5%	1/10W
R913	1-216-041-00	RES,CHIP	470	5%	1/10W
R914	1-216-041-00	RES,CHIP	470	5%	1/10W
R1201	1-216-023-00	RES,CHIP	82	5%	1/10W
R1202	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1203	1-216-089-91	RES,CHIP	47K	5%	1/10W
R1205	1-216-023-00	RES,CHIP	82	5%	1/10W
R1206	1-216-089-91	RES,CHIP	47K	5%	1/10W
R1211	1-216-021-00	RES,CHIP	68	5%	1/10W
R1212	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1215	1-216-113-00	RES,CHIP	470K	5%	1/10W
R1216	1-216-113-00	RES,CHIP	470K	5%	1/10W
R1218	1-216-041-00	RES,CHIP	470	5%	1/10W
R1219	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1220	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1221	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1227	1-216-689-11	RES,CHIP	39K	5%	1/10W
R1228	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1229	1-216-041-00	RES,CHIP	470	5%	1/10W
R1230	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1231	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1232	1-216-063-91	RES,CHIP	3.9K	5%	1/10W
R1233	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R1235	1-216-689-11	RES,CHIP	39K	5%	1/10W
R1239	1-249-389-11	CARBON	4.7	5%	1/4W F
R1240	1-216-025-91	RES,CHIP	100	5%	1/10W
R1241	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1243	1-216-025-91	RES,CHIP	100	5%	1/10W
R1245	1-216-037-00	RES,CHIP	330	5%	1/10W
R1246	1-216-037-00	RES,CHIP	330	5%	1/10W
R1247	1-216-041-00	RES,CHIP	470	5%	1/10W
R1248	1-216-053-00	RES,CHIP	1.5K	5%	1/10W
R1249	1-216-044-00	RES,CHIP	620	5%	1/10W
R1250	1-216-119-00	RES,CHIP	820K	5%	1/10W
R1251	1-216-119-00	RES,CHIP	820K	5%	1/10W
R1252	1-216-061-00	RES,CHIP	3.3K	5%	1/10W

REF. NO.	PART NO.	DESCRIPTION			REMARK
R1253	1-216-053-00	RES,CHIP	1.5K	5%	1/10W
R1255	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1513	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1514	1-216-065-00	RES,CHIP	4.7K	5%	1/10W
R1515	1-216-025-91	RES,CHIP	100	5%	1/10W

<SWITCH>

REF. NO.	PART NO.	DESCRIPTION
S601	⚠ 1-762-087-11	SWITCH, PUSH (AC POWER)
S801	1-572-707-11	SWITCH, LEVER
S901	1-571-532-21	SWITCH, TACTIL
S902	1-571-532-21	SWITCH, TACTIL
S903	1-571-532-21	SWITCH, TACTIL
S904	1-571-532-21	SWITCH, TACTIL
S905	1-571-532-21	SWITCH, TACTIL
S906	1-571-532-21	SWITCH, TACTIL

<SPARK GAP>

SG801	1-519-422-11	GAP, SPARK

<FILTER>

SWF401	1-760-771-11	FILTER, SURFACE WAVE

<TRANSFORMER>

T601	⚠ 1-429-137-11	TRANSFORMER, CONVERTER (SRT)
T605	⚠ 1-424-682-11	TRANSFORMER, LINE FILTER
T801	1-437-195-11	TRANSFORMER, HORIZONTAL DRIVE
T851	⚠ 1-453-249-11	TRANSFORMER ASSY, FLYBACK
		(NX-1733//M3A)

<THERMISTOR>

THP601	⚠ 1-806-165-12	THERMISTOR (POSITIVE)

<TUNER>

TU101	⚠ 8-598-323-30	TUNER, VSS BT-AG401

<CRYSTAL>

X101	1-577-358-21	VIBRATOR, CERAMIC
X300	1-411-752-11	COIL
X358	1-567-505-11	OSCILLATOR, CRYSTAL
X443	1-567-504-11	OSCILLATOR, CRYSTAL

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* A-1331-749-A   C BOARD, COMPLETE
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<CAPACITOR>

REF. NO.	PART NO.	DESCRIPTION			
C702	1-136-601-11	FILM	0.01MF	10%	630V
C704	1-107-651-11	ELECT	4.7MF	20%	250V
C705	1-102-116-00	CERAMIC	680PF	10%	50V
C706	1-102-116-00	CERAMIC	680PF	10%	50V
C707	1-102-117-00	CERAMIC	820PF	10%	50V
C708	1-102-116-00	CERAMIC	680PF	10%	50V
C712	1-102-114-00	CERAMIC	470PF	10%	50V
C713	1-102-115-00	CERAMIC	560PF	10%	50V
C716	1-102-106-00	CERAMIC	100PF	10%	50V

<CONNECTOR>

CN701	1-695-915-11	TAB (CONTACT)
CN703	* 1-564-509-11	PLUG, CONNECTOR 6P

KV-J14M1J
RM-869

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REF. NO.	PART NO.	DESCRIPTION			REMARK
CN704	* 1-508-766-00	PIN, CONNECTOR (5mm PITCH) 4P			
		<DIODE>			
D701	8-719-991-33	DIODE 1SS133T-77			
D702	8-719-991-33	DIODE 1SS133T-77			
D703	8-719-991-33	DIODE 1SS133T-77			
D705	1-102-106-00	CERAMIC	100PF	10%	50V
D712	8-719-991-33	DIODE 1SS133T-77			
D713	8-719-991-33	DIODE 1SS133T-77			
D714	8-719-991-33	DIODE 1SS133T-77			
		<JACK>			
J701	⚠ 1-251-192-11	SOCKET, PICTURE TUBE			
		<TRANSISTOR>			
Q701	8-729-200-17	TRANSISTOR 2SA1091-O			
Q702	8-729-200-17	TRANSISTOR 2SA1091-O			
Q703	8-729-200-17	TRANSISTOR 2SA1091-O			
Q704	8-729-326-11	TRANSISTOR 2SC2611			
Q705	8-729-326-11	TRANSISTOR 2SC2611			
Q706	8-729-326-11	TRANSISTOR 2SC2611			
		<RESISTOR>			
R701	1-260-133-11	CARBON	680K	5%	1/2W
R702	1-260-123-11	CARBON	100K	5%	1/2W
R703	1-260-135-11	CARBON	1M	5%	1/2W
R705	1-260-079-11	CARBON	22	5%	1/2W
R706	1-260-105-11	CARBON	3.3K	5%	1/2W
R707	1-260-105-11	CARBON	3.3K	5%	1/2W
R708	1-260-105-11	CARBON	3.3K	5%	1/2W
R709	1-215-899-11	METAL OXIDE	15K	5%	2W F
R711	1-215-899-11	METAL OXIDE	15K	5%	2W F
R713	1-215-899-11	METAL OXIDE	15K	5%	2W F
R714	1-247-807-31	CARBON	100	5%	1/4W
R717	1-215-409-00	METAL	330	1%	1/4W
R718	1-249-409-11	CARBON	220	5%	1/4W F
R719	1-247-807-31	CARBON	100	5%	1/4W
R720	1-216-346-00	METAL OXIDE	0.56	5%	1W F
R722	1-215-411-00	METAL	390	1%	1/4W
R725	1-249-409-11	CARBON	220	5%	1/4W F
R726	1-215-479-00	METAL	270K	1%	1/4W
R727	1-215-487-00	METAL	560K	1%	1/4W
R728	1-215-479-00	METAL	270K	1%	1/4W
R730	1-247-807-31	CARBON	100	5%	1/4W
R731	1-249-409-11	CARBON	220	5%	1/4W F
R732	1-215-411-00	METAL	390	1%	1/4W

REF. NO.	PART NO.	DESCRIPTION			REMARK
R733	1-247-791-91	CARBON	22	5%	1/4W
R734	1-247-791-91	CARBON	22	5%	1/4W
R735	1-247-791-91	CARBON	22	5%	1/4W
R749	1-249-424-11	CARBON	3.9K	5%	1/4W
R750	1-249-424-11	CARBON	3.9K	5%	1/4W
R751	1-249-424-11	CARBON	3.9K	5%	1/4W
		<VARIABLE RESISTOR>			
RV701	1-230-641-11	RES, ADJ, METAL GLAZE 2.2M			
RV703	1-230-641-11	RES, ADJ, METAL GLAZE 2.2M			

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MISCELLANEOUS
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⚠ 1-426-145-13	COIL, DEGAUSSING	
1-452-032-00	MAGNET,DISK ; 10mmø	
1-452-277-00	MAGNET, BMC	
1-504-305-11	SPEAKER (5X12CM)	
⚠ 1-574-062-61	CORD, POWER (WITH CONNECTOR)	2.5A/250V
⚠ 8-451-418-21	DEFLECTION YOKE (Y14NDA2)	
⚠ 8-735-562-05	PICTURE TUBE (A34JBU70X)	

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ACCESSORIES AND PACKING MATERIALS
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1-417-151-21	MATCHING TRANSFORMER, ANTENNA
1-501-372-81	ANTENNA, TELESCOPIC
1-569-008-11	ADAPTOR, CONVERSION 2P
3-862-305-11	MANUAL, INSTRUCTION
4-063-961-01	CUSHION (UPPER) (ASSY)
4-063-962-01	CUSHION (LOWER) (ASSY)
4-063-963-01	CUSHION (UPPER LEFT)
4-063-964-01	CUSHION (UPPER RIGHT)
4-063-965-01	CUSHION (LOWER LEFT)
4-063-966-01	CUSHION (LOWER RIGHT)
4-063-967-01	INDIVIDUAL CARTON
* 4-377-015-01	BAG, PROTECTION

REMOTE COMMANDER
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1-475-358-11	REMOTE COMMANDER (RM-869)
9-939-697-01	POCKET, COVER (FOR RM-869)