

XTL-750W

SERVICE MANUAL

US Model
Hong Kong Model



Tuner unit :
XT-992V (US model)
XT-991V (Hong Kong model)

Monitor : XVM-750W

- This set consists of the following units.

	US model	Hong Kong model
MONITOR	XVM-750W	XVM-750W
TUNER UNIT	XT-992V	XT-991V
REMOTE COMMANDER	RM-X63N	RM-X63E
ANTENNA	VCA-114	VCA-114

SPECIFICATIONS

Monitor (XVM-750W)

System Liquid crystal color display
Display Transparent TN LCD panel
Drive system TFT active matrix system
Picture size 7 in.; 155.52 × 87.75 mm,
178.57 mm
(w × h, diagonally)
Picture segment 336,960 (w 1440 × h 234)
Speaker type 35 × 20 mm dynamic speaker × 2
Power requirements 12 V DC car battery
(negative ground)
Current drain Approx. 1.0 A
Dimensions 215 × 126.5 × 34 mm (w × h × d)
Operating temperature 5°C ~ +45°C
Mass Approx. 650 g

TV tuner unit (XT-992V: US, XT-991V: Hong Kong)

Television system
Hong Kong:
CCIR I,D,K system
US:
NTSC
Color system
Hong Kong:
TV: PAL
Video: PAL, NTSC
US:
TV: NTSC
Video: NTSC

Channel converge

VHF: 1 CH ~ 12 CH (Hong Kong)
2 CH ~ 13 CH (US)
UHF: 14 CH ~ 69 CH (US)
21 CH ~ 69 CH (Hong Kong)

Power requirements

12 V DC car battery
(negative ground)

Current drain

Approx. 0.5 A

Output terminals

Video output: RCA pin 1 V_{p-p},
75 ohm
Audio output: RCA pin -10 dBs,
10 kohm
Monitor output: Square 16 -pin
(exclusive)

– Continued on next page –



MOBILE COLOR TV

SONY®

Input terminals	Video input (2 system): RCA pin 1 Vp-p, 75 ohm
	Audio input: RCA pin –10 dBs, 10 kohm
	Antenna input: mini plug
	Navigation input: Square 16 -pin (exclusive)
	RCA pin: Video 1 Vp-p, 75 ohm
	Audio (monaural) –10 dBs, 10 kohm
Dimensions	202 × 30 × 140 mm (w × h × d)
Mass	Approx. 750 g

**Wireless remote (RM-X63N: US,
RM-X63E: Hong Kong)**

Power requirements	AA (R6) battery × 2
Operable range	Approx. 3 m
Dimensions	62 × 25 × 115 mm (w × h × d)
Mass	Approx. 100 g (including batteries)

TV antenna (VCA-114)

Cord	5 m (196 7/8 in.), 75 ohm
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Supplied accessories

- Wireless remote RM-X63N (1)
(US model)
- Wireless remote RM-X63E (1)
(Hong Kong model)
- Power input cord (1)
- Monitor cable (1)
- TV antenna VCA-114 (1)
- Parts for installation and
connections (1 set)
- Cleaning cloth (1)

Design and specifications are subject to change
without notice.

Notes on Chip Component Replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be
damaged by heat.

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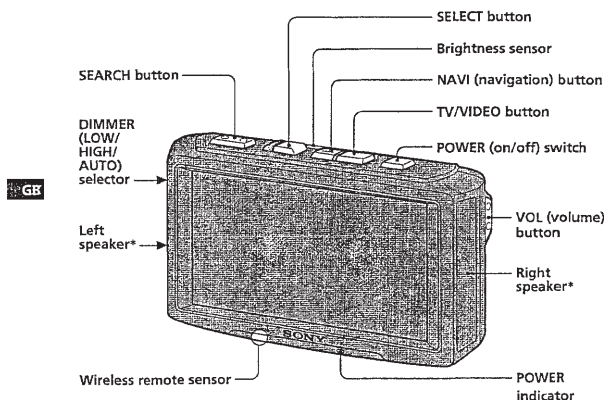
6. ELECTRICAL PARTS LIST 51

SECTION 1 GENERAL

This section is extracted from instruction manual.

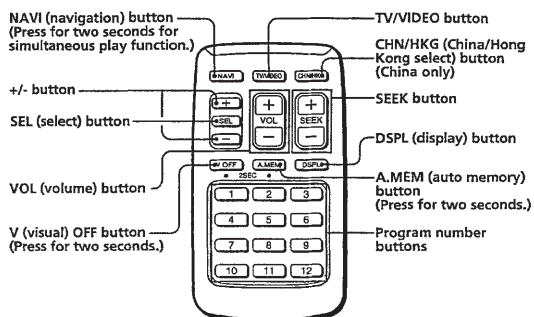
Location of Controls

Monitor



* Monaural sound is heard from the left and right loudspeakers.

Wireless remote



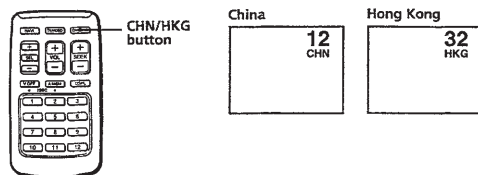
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Getting Started

Selecting a TV system (China only)

If you select the TV system, press **CHN/HKG** on the wireless remote. If there is no sound, press **CHN/HKG** again. When you select the TV system, the TV program numbers appear as follows.

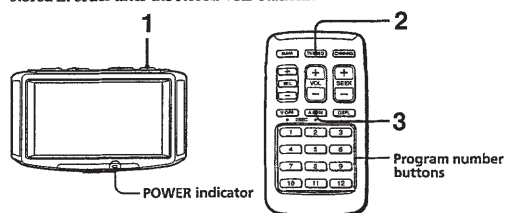


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Storing TV stations automatically

(Automatic memory function)

You can store up to 12 VHF/UHF stations. VHF stations on program numbers 1 through 12 are stored on the program number buttons. UHF stations on program numbers 21 through 69 (13 through 57 for China, 14 through 69 for USA) are stored in order after the stored VHF stations.



- 1 Press **POWER** on the TV.
The power indicator lights up.
- 2 Press **TV/VIDEO** repeatedly until a TV program appears on the display.
- 3 Press **A.MEM** on the wireless remote for two seconds.

The wireless remote stores VHF stations on the program number buttons corresponding to the VHF station numbers. UHF stations are stored on the remaining program number buttons in order.

Example

Program number button	1	2	3	4	5	6	7	8	9	10	11	12
VHF station	13*	2	-	4	-	6	-	8	-	10	-	12
UHF station	21	-	24	-	27	-	32	-	34	-	48	-

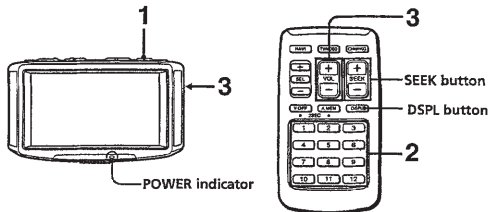
* USA only

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Watching a TV Program

Note

The TV picture does not appear while the car is moving for safety reasons.



- 1 Press (POWER).**
The POWER indicator lights up.
- 2 Press the program number buttons (1 through 12) to select the desired TV station.**
The TV program number appears for five seconds in the upper right corner of the display each time you select a station.
- 3 Adjust the volume.**
Press the VOL button on the monitor, or press (VOL) on the wireless remote.

Turning on the on-screen display

Press (OSPL).

To turn off the display, press it again.

Turning off the TV

Press (POWER).

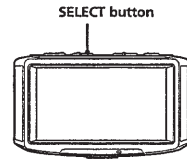
If you cannot receive the stored stations while traveling

Press (SEEK) momentarily to search for the station automatically.

When the unit receives a station, it stops scanning. Press the button repeatedly until the desired station is received.

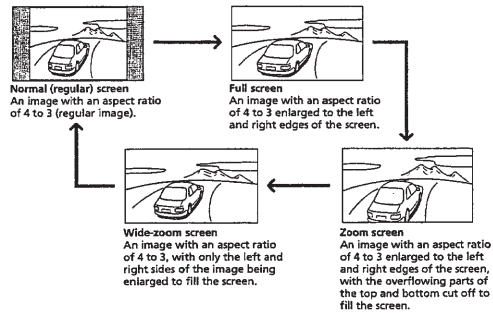
Viewing the Wide Screen

In addition to normal screen mode, full screen, zoom screen, and wide-zoom screen modes are also available.



Press the SELECT button.

Pressing the SEL button switches the screen mode in the following sequence:



Tips

- With this operation:
 - The wireless remote does not work.
 - Beeps are deactivated.
 - The screen size type is not displayed.
- When you turn on the unit again, the screen mode is reset to full screen.

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(Continued)

- Images may appear coarse-grained when viewed in the zoom screen mode.
- This unit is manufactured according to wide-zoom specifications for typical home-use wide TV sets.
- Changing the screen mode will also change the scale of the map screen on your navigation system.

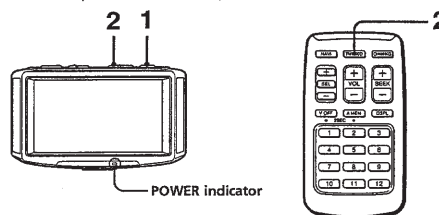
Watching a Video

Note

The video picture does not appear while the car is moving for safety reasons.

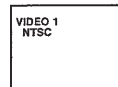
You can watch video CDs and cassettes recorded in either the PAL or NTSC color system (China only). Make sure a video player is correctly connected to the TV tuner unit.

For details, see the Installation/Connections manual.

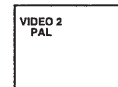


- 1 Press (POWER).**
The POWER indicator lights up.
- 2 Press (TV/VIDEO) to select the input you connected the video player to, VIDEO 1 or VIDEO 2.**
Each time you press (TV/VIDEO), the indication changes as follows.
TV program number → VIDEO 1 → VIDEO 2
- 3 Turn the video player on and begin playback.**
The unit displays PAL or NTSC color system video pictures and the following display appears for five seconds (China only).

NTSC Video



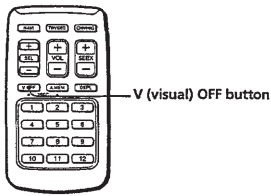
PAL Video



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Listening to the TV/video Sound with the Picture Off (Visual off function)



Press (V OFF) for two seconds.
 Only hear the sound of the selected program is heard.
 To cancel the visual off function, press (V OFF) again. If you turn the unit off or turn the ignition switch to the OFF position, the visual off function will be canceled.
 The visual off function is also canceled when you select another TV program with the program number buttons (TV only).

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(Continued)

Tips

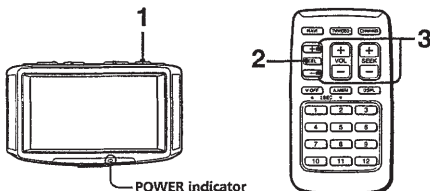
- To restore the factory settings, press (SEL) for more than two seconds, VISUAL STD (standard) appears.
- If the picture is too dark or too bright from the viewing position, press (SEL) to select BRIGHT and press (+) or (-).

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Adjusting the Picture

You can adjust the color, hue and brightness of the picture.



- Press (POWER).
The POWER indicator lights up.
- Press (SEL).
Each time you press (SEL), the items change as follows.

COL (color)	HUE	BRIGHT (brightness)
COL	HUE	BRIGHT

Note
 You do not need to adjust HUE when watching a TV program or playing back PAL video sources. When you press (SEL), only COL and BRIGHT appear (China only).

- Press either SEL (+) or (-) to adjust.
 Press one of these buttons within five seconds. The item will be canceled after five seconds if you do not touch the (+) or (-).

Color	Hue	Brightness
(+) For more color intensity	To make the picture greenish	To brighten the picture
(-) For less color intensity	To make the picture reddish	To darken the picture

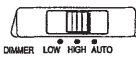
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Adjusting the Screen Brightness (Auto bright control)

Depending on the surrounding light, you can adjust the screen brightness by controlling the brightness of the fluorescent pipe installed in the liquid crystal panel.
 Change the DIMMER selector located on the side of the monitor to LOW, HIGH, or AUTO.

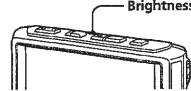
Side of the monitor



LOW: Reduces the screen brightness.
HIGH: Increases the screen brightness.
AUTO: The unit responds to the surrounding light and adjusts the screen brightness automatically (auto bright control).

Notes

- Do not cover the brightness sensor. If you cover the sensor, the auto bright control will not work.



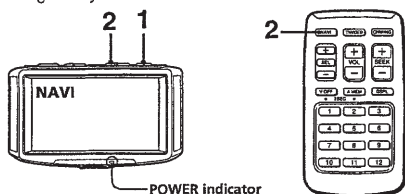
- The HIGH setting may make the screen look dazzling to your eyes in the nighttime. Driving immediately after viewing the screen could be dangerous; wait for your eyes to get accustomed to the surround light before driving.

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Using the Navigation System

You can display navigation information by connecting an optional navigation system.

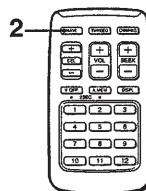


- 1 Press **(POWER)**.
The POWER indicator lights up.
- 2 Press **(NAVI)** momentarily.
NAVI appears for five seconds in the upper left corner of the screen.

Note
As of January 1999, the Sony navigation system is not available.

Listening to the TV/video Sound while Using the Navigation System (Simultaneous play function)

You can listen to the TV or video sound even while the navigation system is on.



- 1 Press **(POWER)** and select a TV program, or select VIDEO 1 or VIDEO 2 and begin video playback.
- 2 Press **(NAVI)** for two seconds.
The navigation display appears, and the sound of the selected TV program or video is heard.

Listening to another TV program

Press a program number button or **(SEEK)**.

Changing to the TV or video screen

Press **(TVVIDEO)**.

Canceling the simultaneous play function

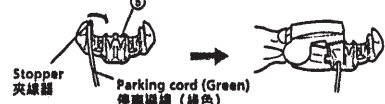
To turn the TV or video sound off, press **(NAVI)** for two seconds.

Connections

連接

Using the tap ①/使用分接頭 ①

1 Attach to the tap the end of the parking cord (Green).
把分接頭裝在停車導線 (綠色) 末端。



2 Fix the tap to the parking cord in a suitable position on the parking brake switch cord as illustrated.
如圖所示，把分接頭固定在停車制動開關導線的適當位置。



Note
If the parking brake switch cord is too thin, connect the parking cord to the parking brake switch cord directly without using the tap.

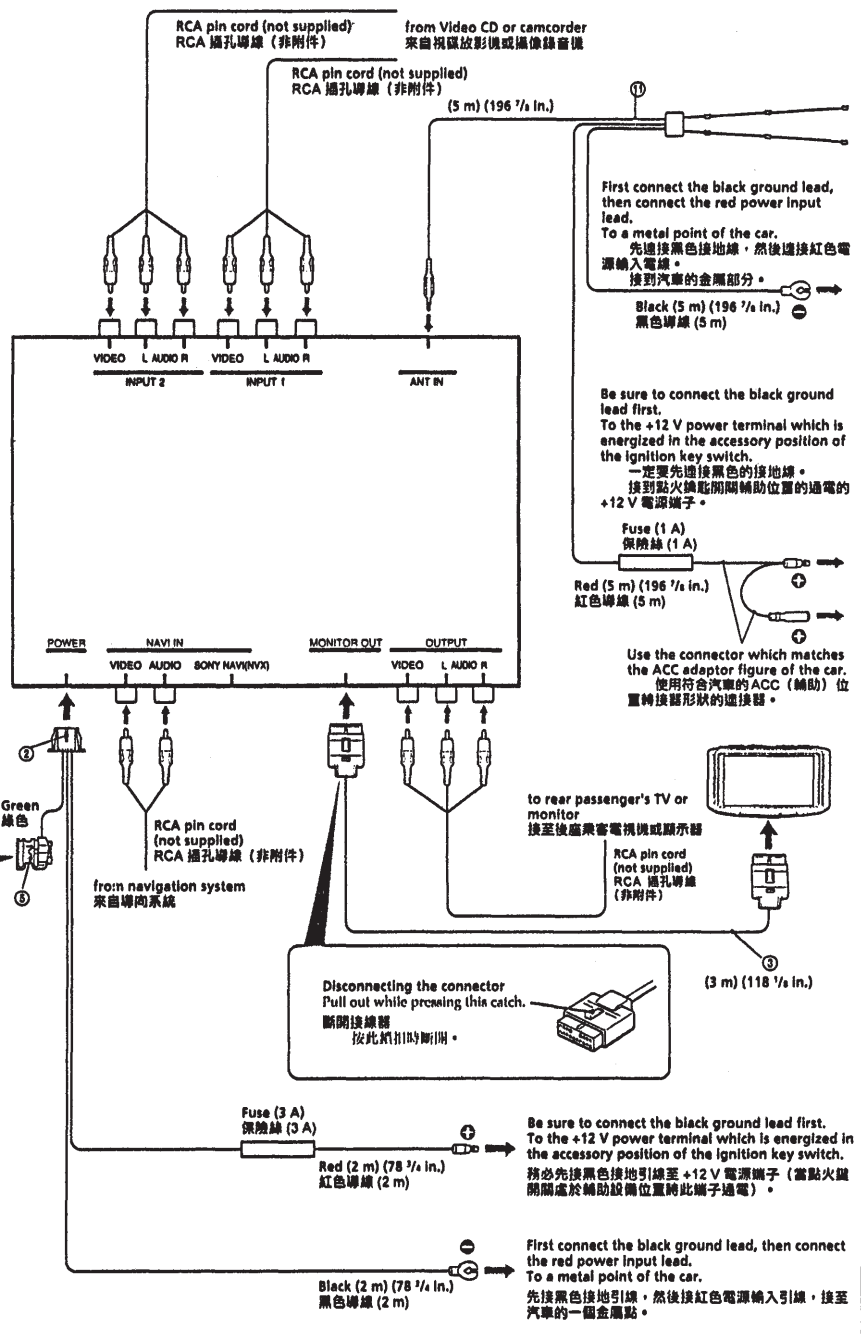
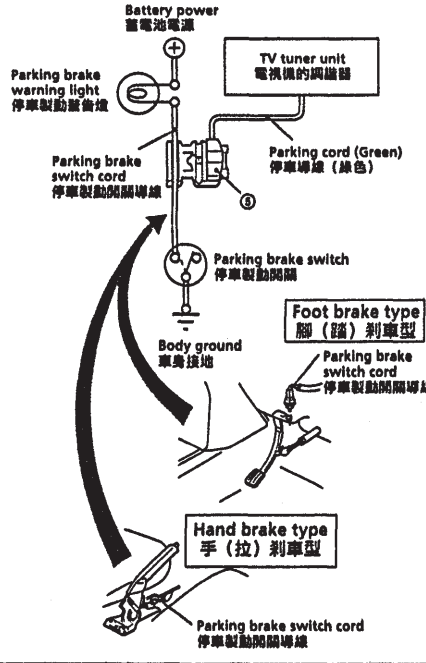
註
如果停車制動開關導線太細，可不用分接頭而直接將停車導線接至停車制動開關導線上。

Connecting the parking cord

Be sure to connect the parking cord (Green) to the parking brake switch cord. The mounting position of the parking brake switch cord depends on your car. Refer to the system connection diagram below and consult your car dealer or your nearest Sony dealer for further details.

連接停車導線

務必將停車導線 (綠色) 接至停車制動開關導線上。停車制動開關導線的安裝位置視您的車而定。可參考下面的系統接線圖，並向您的汽車經銷商或就近的 Sony 經銷商查詢。



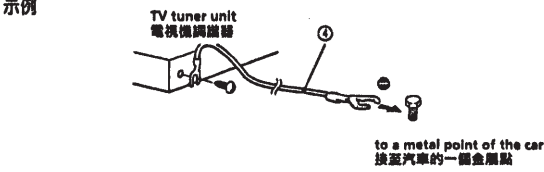
- Notes
- Be sure to connect the power input cord after all other cords have been connected.
 - The NAVI IN jack is for navigation systems only. Do not connect any system other than a navigation system.
 - As of January 1999, the Sony navigation system is not available.

- 註
- 電源輸入引線務必在其他所有導線均已接好後才連接。
 - NAVI IN 插座僅供配備有導向系統才用。勿接任何別的線路。
 - 1999 年 1 月之前，在某些亞洲市場不能 Sony 導向系統。

How to reduce the noise during radio reception

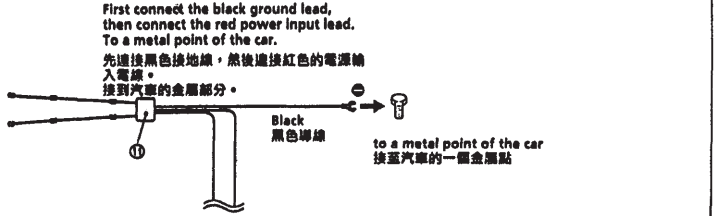
If you use the supplied TV antenna instead of the original glass antenna, there will be alternator noise during radio reception. In this case, earth the TV tuner unit to a metal point of the car with the supplied earth cord ① as shown in the illustration left. And ground the TV antenna to a metal point of the car (with the supplied ground cord) near the antenna as shown in the illustration at right.

Example 示例



聽收音機時如何減少噪聲

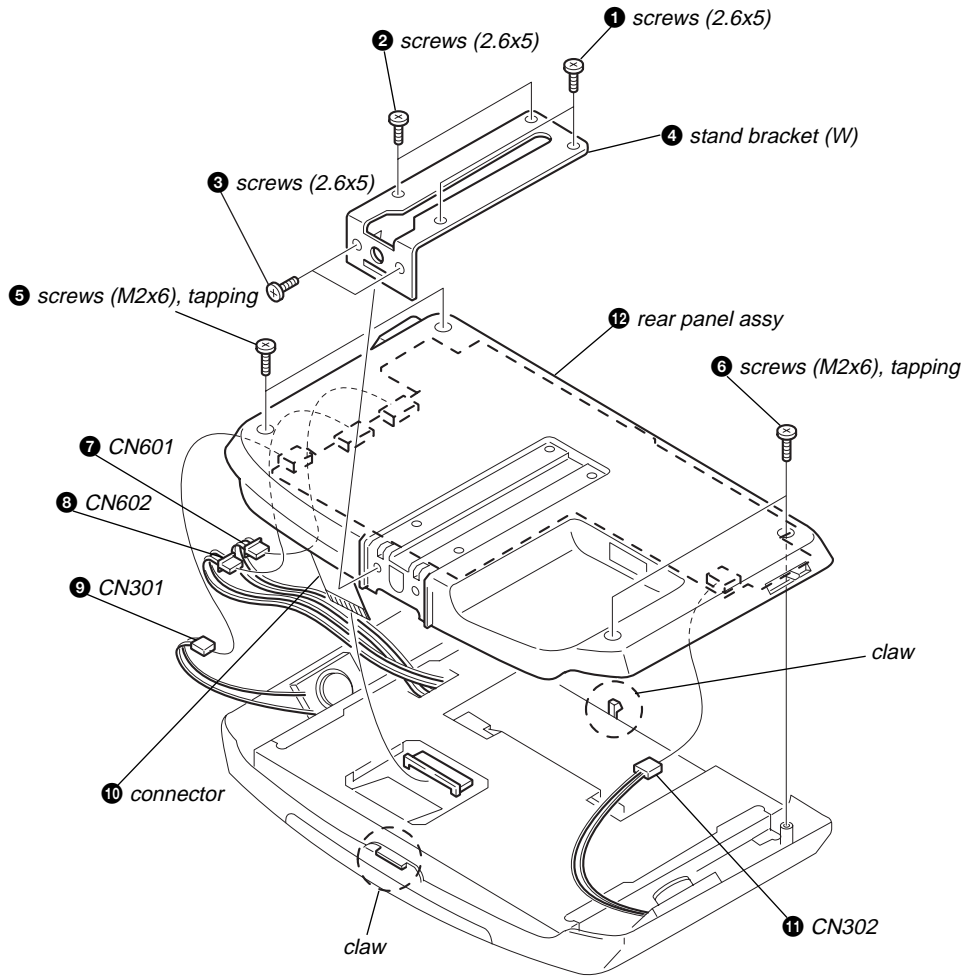
如採用附帶的電視天線代替原玻璃天線，則當聽收音機時，將發生交流噪聲。此時，請如左圖所示用附帶的接地線 ① 將電視調諧裝置接地到汽車的金屬部分。將電視天線接地到如右圖所示的靠近天線的汽車上金屬部分 (用附帶的接地導線)。



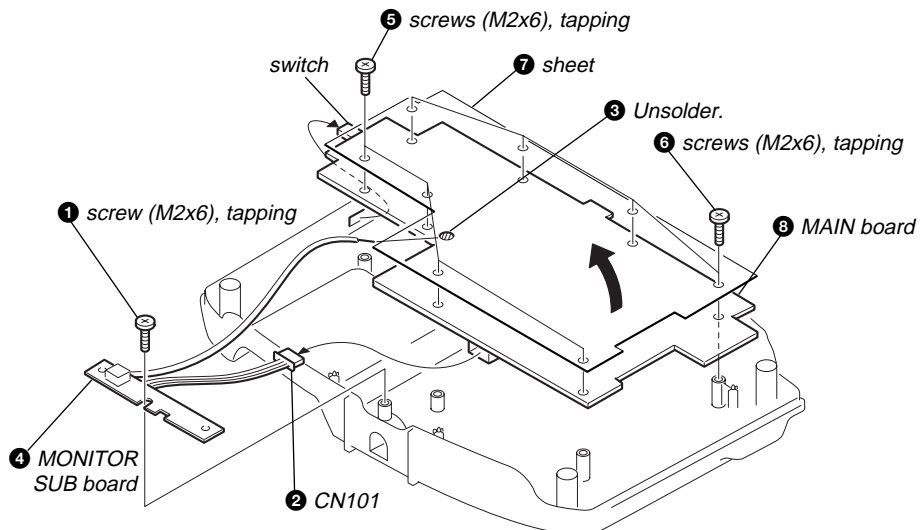
SECTION 2 DISASSEMBLY

Note : Follow the disassembly procedure in the numerical order given.

2-1. REAR PANEL ASSY



2-2. MAIN BOARD



SECTION 3 ELECTRICAL ADJUSTMENTS

MONITOR SECTION

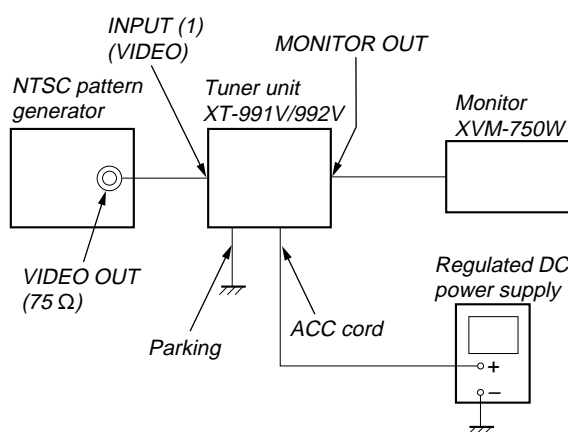
Equipment Used

The measuring equipment below are used for these electrical adjustments:

- Oscilloscope
- NTSC pattern generator
- Regulated DC power supply
- Digital voltmeter

Connection of Equipment

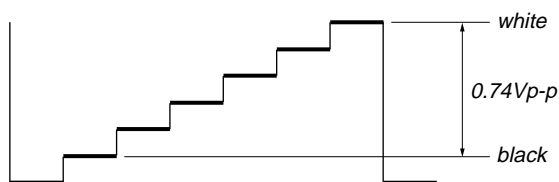
Unless otherwise specified, the measuring equipment should be connected as shown below:



Setup for Adjustment

The adjustment signal is a 5-step gray scale signal from a NTSC pattern generator.

Input the gray scale signal into the tuner unit and connect an oscilloscope to TP14 on the MONITOR MAIN board. Check that the width between the black and white levels of the gray scale signal is 0.74 Vp-p .



DC/DC Converter Voltage Adjustment

Procedure:

1. Display the gray scale on the monitor screen.
2. Connect a digital voltmeter to TP57 on the MONITOR MAIN board.
3. Adjust RV401 so that the reading on the digital voltmeter is $5.35 \pm 0.05 \text{ V}$.

Adjustment Location: See page 11.

Inverter Voltage Adjustment

Procedure:

1. Display the gray scale on the monitor screen.
2. Connect a digital voltmeter to TP64 on the MONITOR MAIN board.
3. Adjust RV601 so that the reading on the digital voltmeter is $7.80 \pm 0.05 \text{ V}$.

Adjustment Location: See page 11.

Bright Adjustment

Procedure:

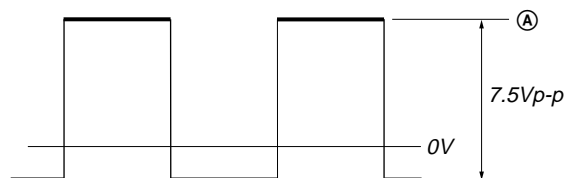
1. Display the gray scale on the monitor screen.
2. Connect a digital voltmeter to TP70 on the MONITOR MAIN board.
3. Adjust RV201 so that the reading on the digital voltmeter is $2.13 \pm 0.02 \text{ V}$.

Adjustment Location: See page 11.

VCOM Adjustment (1)

Procedure:

1. Display the gray scale on the monitor screen.
2. Connect an oscilloscope to TP102 on the MONITOR MAIN board.
3. Adjust RV210 so that the amplitude of the output waveform is $7.5 \pm 0.1 \text{ Vp-p}$.
4. Adjust RV211 so that the level (A) of the output waveform is $5.5 \pm 0.05 \text{ V DC}$.



Adjustment Location: See page 11.

RGB Amplitude Adjustment

Procedure:

1. Display the gray scale on the monitor screen.
2. Connect a digital voltmeter to TP63 on the MONITOR MAIN board.
3. Adjust RV208 so that the reading on the digital voltmeter is $2.37 \pm 0.02 \text{ V}$.

Adjustment Location: See page 11.

γ 2 Adjustment

Procedure:

1. Display the gray scale on the monitor screen.
2. Connect a digital voltmeter to TP67 on the MONITOR MAIN board.
3. Adjust RV213 so that the reading on the digital voltmeter is $2.19 \pm 0.02 \text{ V}$.

Adjustment Location: See page 11.

γ 0 Adjustment

Procedure:

1. Display the gray scale on the monitor screen.
2. Connect an oscilloscope to TP106 on the MONITOR MAIN board.
3. Adjust RV212 so that the white level of the waveform is at $4.6 \pm 0.05V$ DC.

Adjustment Location: See page 11.

R and B Level Adjustment

Procedure:

1. Display the gray scale on the monitor screen.
2. Connect an oscilloscope to TP107 on the MONITOR MAIN board.
3. Adjust RV207 so that the white level of the waveform is at $4.6 \pm 0.05V$ DC.
4. Connect an oscilloscope to TP108 on the MONITOR MAIN board.
5. Adjust RV209 so that the white level of the waveform is at $4.4 \pm 0.05V$ DC.

Adjustment Location: See page 11.

VCOM Adjustment (2)

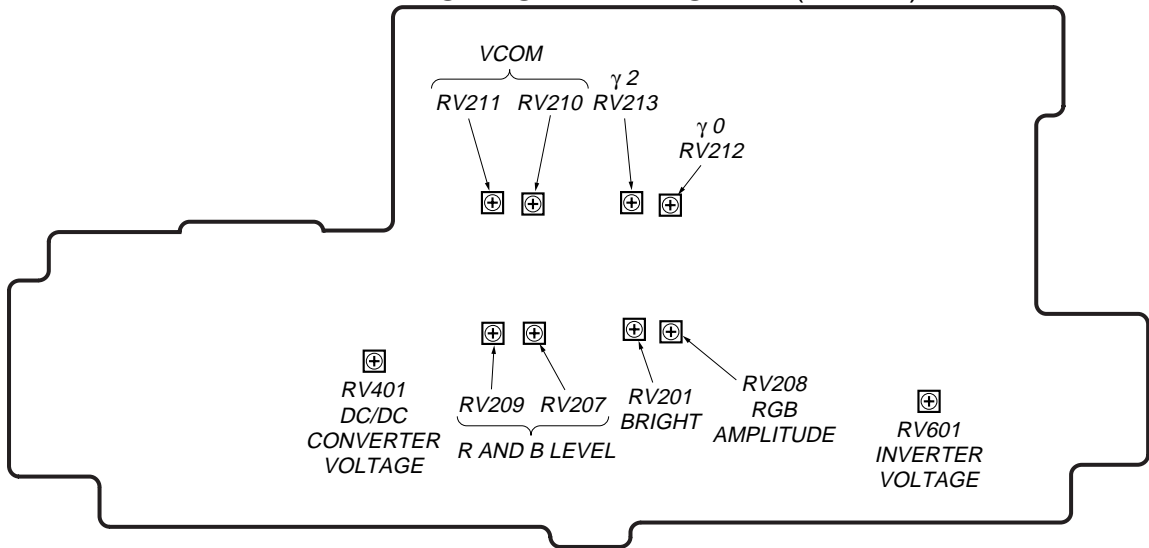
Procedure:

1. Display the navigation map screen on the monitor screen.
2. Adjust RV211 so as to ensure that the screen has the highest contrast with no flicker.

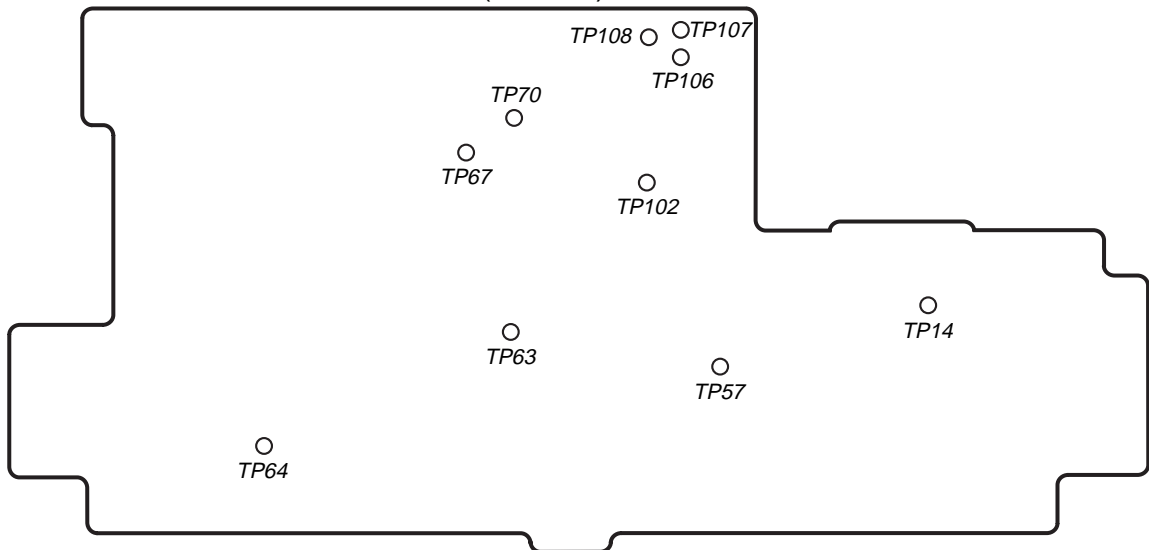
Adjustment Location: See page 11.

Adjustment Location:

[MONITOR MAIN BOARD](SIDE A)



[MONITOR MAIN BOARD](SIDE B)



TUNER UNIT SECTION

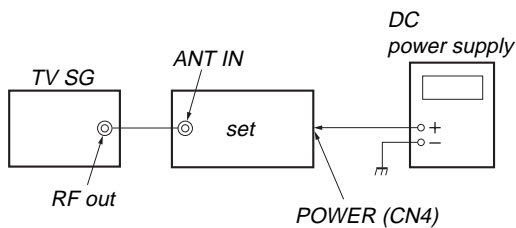
- Use the following equipment for the electrical adjustment.

Equipment

- ① Monitor TV (XVM-750W, etc.)
- ② Spectrum analyzer
- ③ TV signal generator
- ④ Digital voltmeter
- ⑤ Oscilloscope
- ⑥ Audio analyzer
- ⑦ DC power supply
- ⑧ Frequency counter

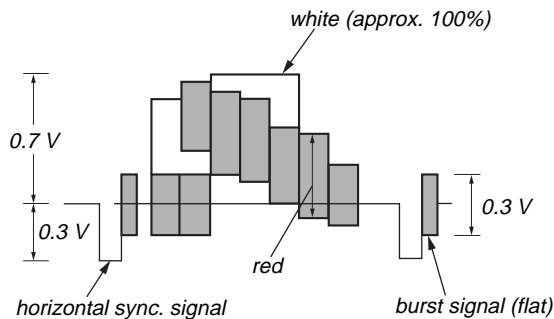
Equipment Connections

Connect the test equipment as shown in the figure below (unless otherwise instructed) and perform the adjustment.

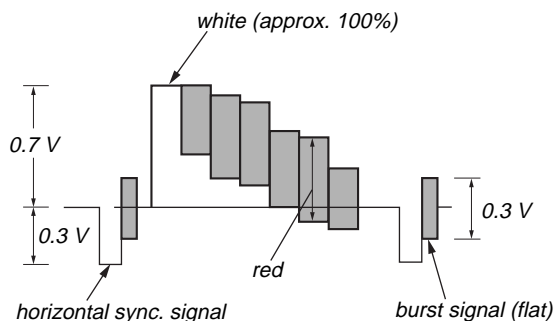


Setup during Adjustment

Use the video signal obtained from the TV signal generator as the alignment signal, and check that this signal is within video output signal standards.



Color bar signal from TV signal generator (US model)



Color bar signal from TV signal generator (Hong Kong model)

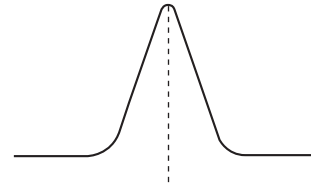
Connection points: See page 14.

Adjustment points: See page 14.

TRAP Adjustment (Hong Kong model)

Procedure:

1. With the Power off, input the output of TG to TP30 (with DC cut by a capacitor (0.01 μ F)).
2. Connect a spectrum analyzer to TP31 (with DC cut by a capacitor (0.01 μ F)).
3. Adjust T1 so that the waveform peak is 39.75 MHz \pm 50 Hz.
4. Adjust T2 so that the waveform peak is 30.0 MHz \pm 50 Hz.
5. After this adjustment, open TP30 and TP31. (Disconnect the spectrum analyzer.)

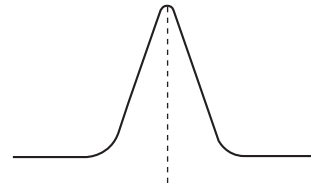


T1= 39.75 MHz
T2= 30.0 MHz

VCO Adjustment

Procedure:

1. No connection to ANT IN. (no signal state)
2. Connect a resistor (10 k Ω) between TP33 and +9 V (TP35).
3. Connect a spectrum analyzer to TP34 (with DC cut by a capacitor (0.01 μ F)).
4. Adjust T3 so that the waveform peak is 38.0 MHz \pm 1 kHz (Hong Kong model) or 45.75 MHz \pm 1 kHz (US model).
5. After this adjustment, open TP34. (Disconnect the spectrum analyzer.)



38.0 MHz (Hong Kong model)
45.75 MHz (US model)

AGC Adjustment

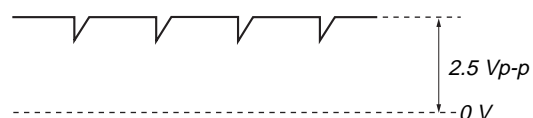
Procedure:

1. Set the TV SYSTEM switch to 1.
2. Input a color bar signal of C9ch (192.25 MHz) (Hong Kong model) or 10ch (193.25 MHz) (US model) and 66 dB μ V (75 Ω OPEN).
3. Connect the digital voltmeter to TP42.
4. Adjust VR1 so that reading on the digital voltmeter is 6.0 \pm 0.1 V (Hong Kong model) or 3.0 \pm 0.1 V (US model).

AFT Adjustment

Procedure:

1. Input a color bar signal of C9ch (192.25 MHz) (Hong Kong model) or 10ch (193.25 MHz) (US model) and 74 dB μ V (75 Ω OPEN).
2. Connect the oscilloscope to TP102.
3. Adjust T3 until the waveform on the oscilloscope is 2.5 V_{p-p}.



Note: Small peaks (dips) coming out from the top of the waveform are unacceptable.

RGB Decoder FO Adjustment

Procedure:

Hong Kong model:

1. Without INPUT1, INPUT2 inputs (no signal input mode), short the jumper wire between TP100 and GND.
2. Connect a frequency counter to TP61.
3. Adjust VR6 so that reading on frequency counter is $4.433619 \text{ MHz} \pm 10 \text{ Hz}$.
4. Short the jumper wire between TP106 and GND.
5. Connect a frequency counter to TP61.
6. Confirm that reading on frequency counter is $3.579545 \text{ MHz} \pm 100 \text{ Hz}$.
7. After this adjustment, remove the jumper wires.

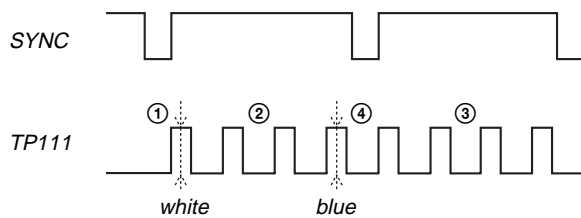
US model:

1. Without INPUT1, INPUT2 inputs (no signal input mode), short the jumper wire between TP100 and GND.
2. Connect a frequency counter to TP61.
3. Adjust VR6 so that reading on frequency counter is $3.579545 \text{ MHz} \pm 100 \text{ Hz}$.
4. After this adjustment, remove the jumper wires.

RGB Decoder Input Level Adjustment

Procedure:

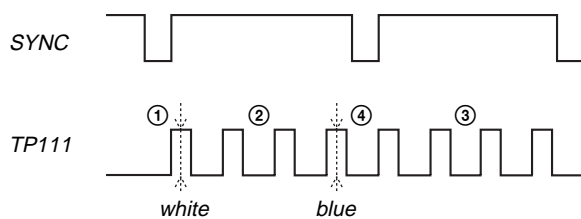
1. Input signal : PAL EBU color bar (INPUT 1 VIDEO)
2. Adjust VR4 so that the white peak ① (100% white) of TP111 (B OUT) is at 1.0 V_{p-p} .



DL AMP & DAT Adjustment (Hong Kong model)

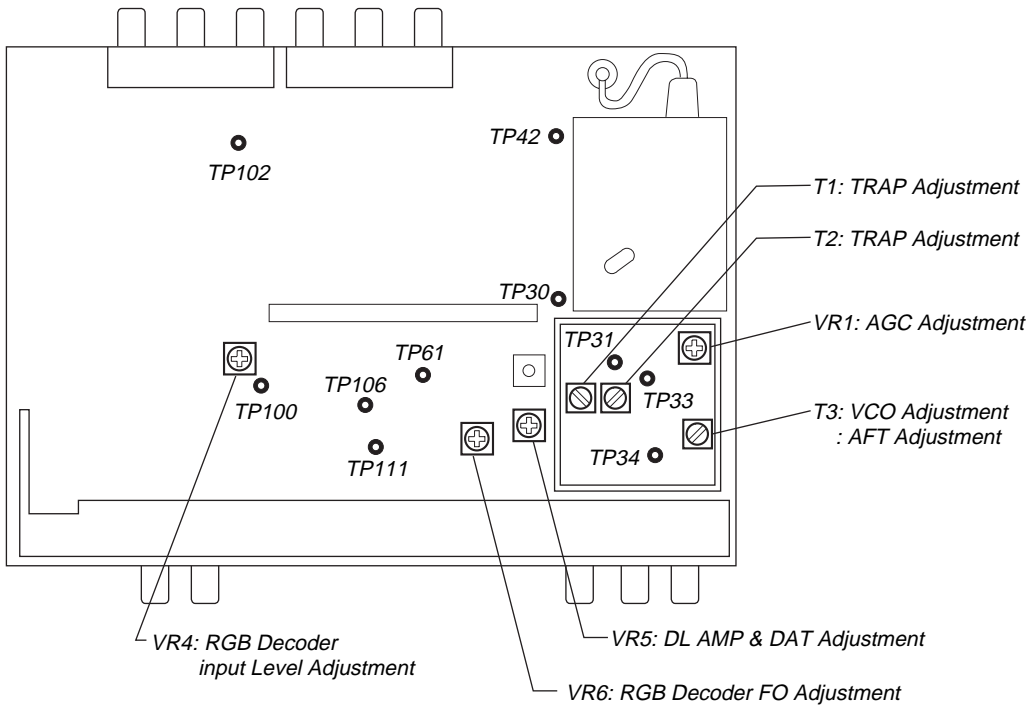
Procedure:

1. Adjust DAT so as to minimize the variation between the level ② and the level ③ of TP111.
2. Adjust VR5 so that the blue level ④ is at 1.0 V_{p-p} .
3. Set the input to NTSC, and confirm that the blue level ④ is at $1.0 \pm 0.1 \text{ V}_{p-p}$.

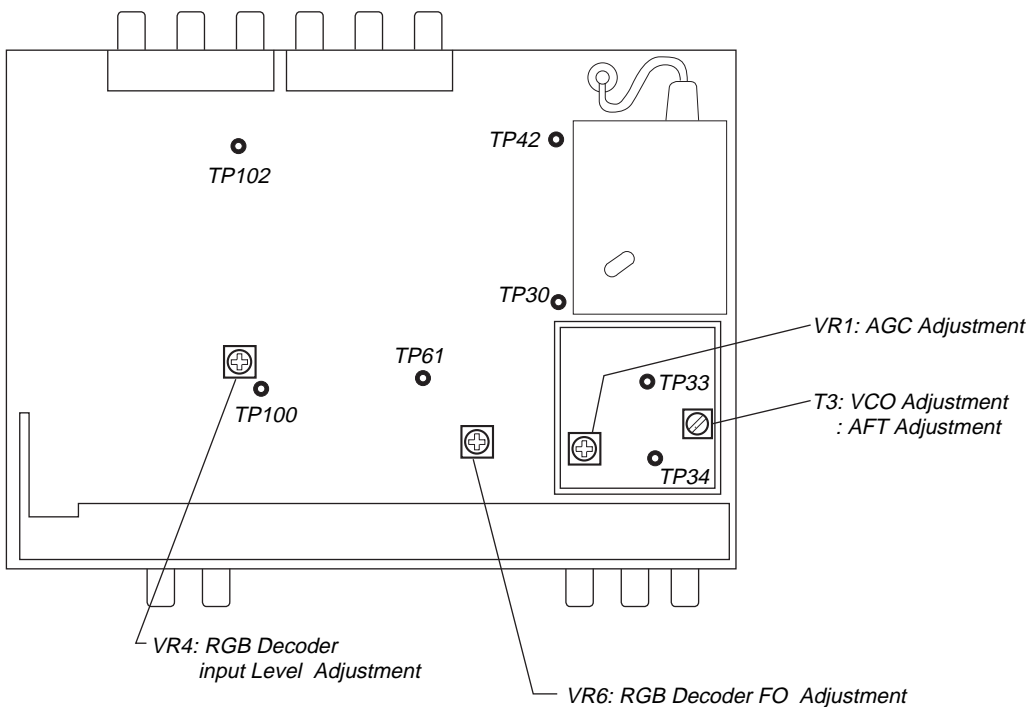


Connection Points and Adjustment Points:

– Hong Kong Model –

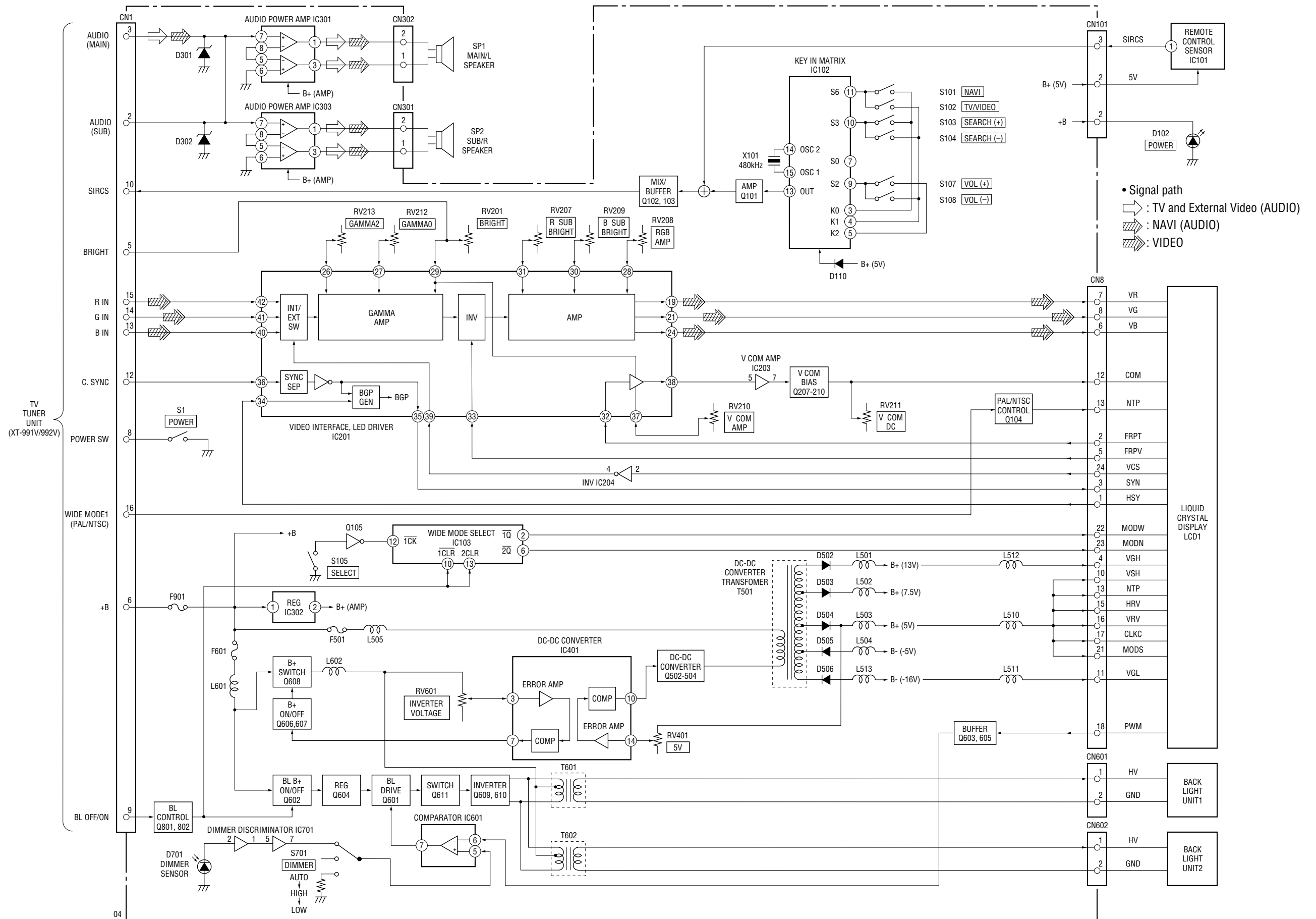


– US Model –

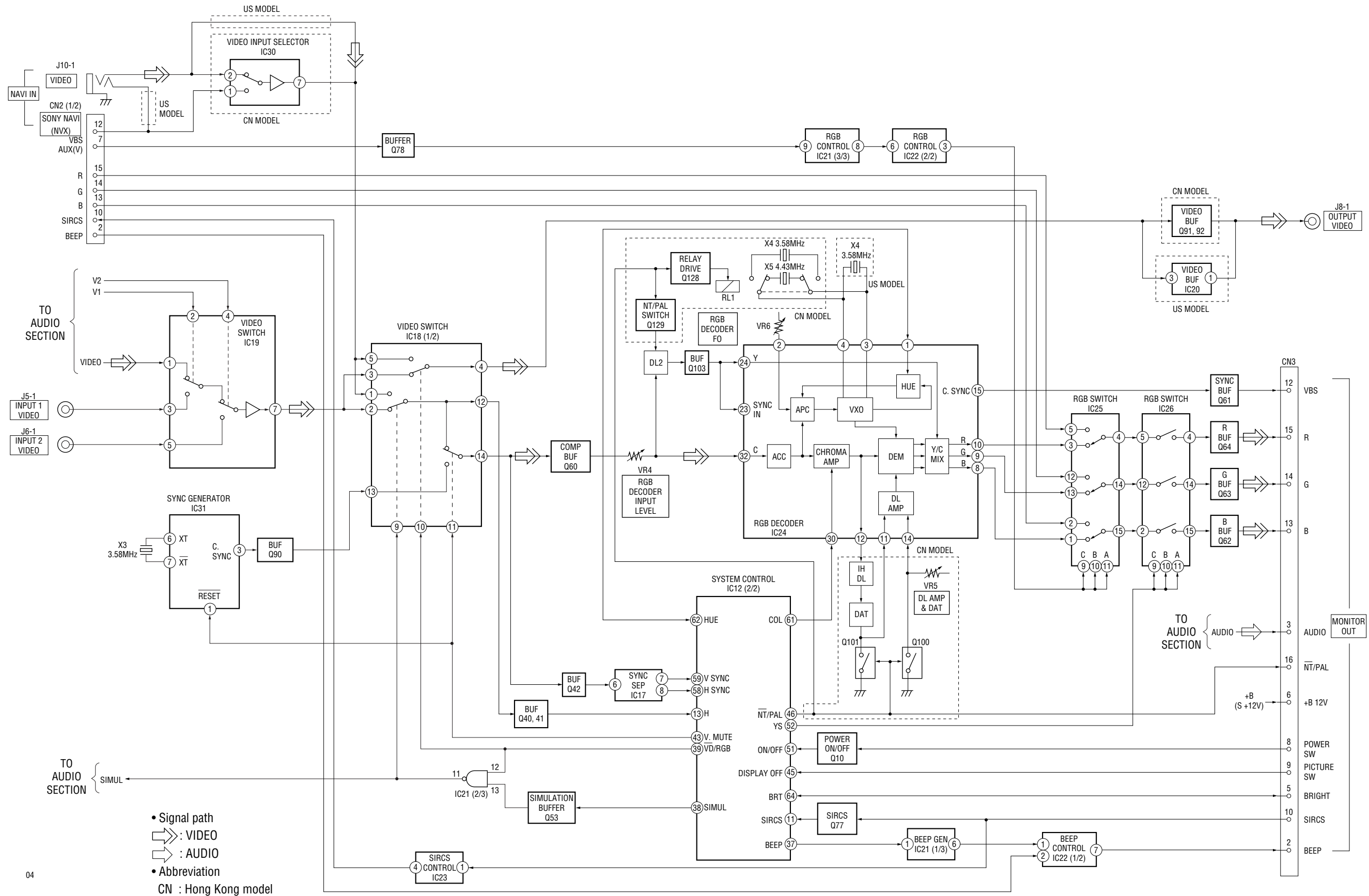


SECTION 4
DIAGRAMS

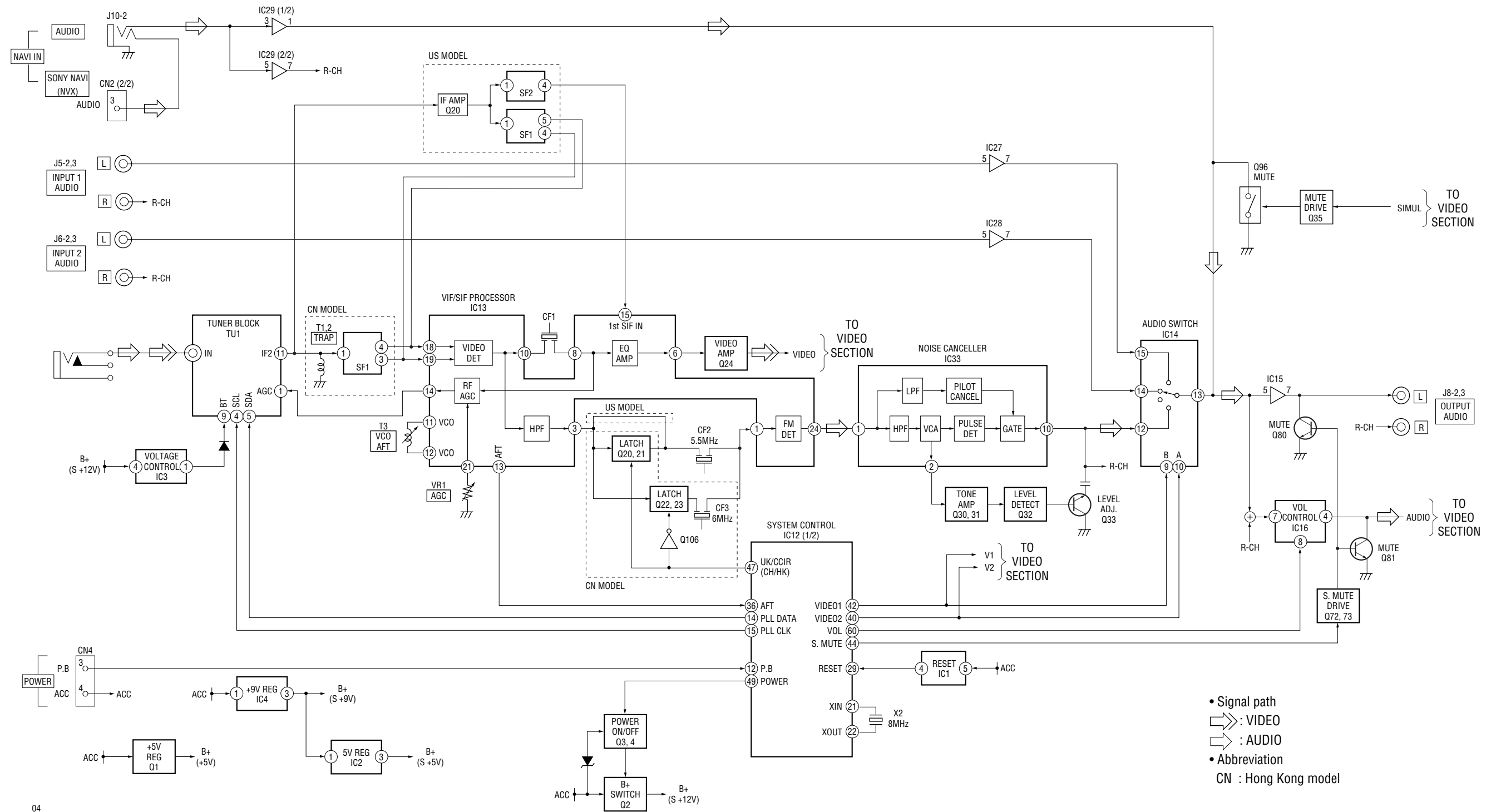
4-1. BLOCK DIAGRAM — MONITOR SECTION —



4-2. BLOCK DIAGRAM — TUNER UNIT (VIDEO) SECTION —



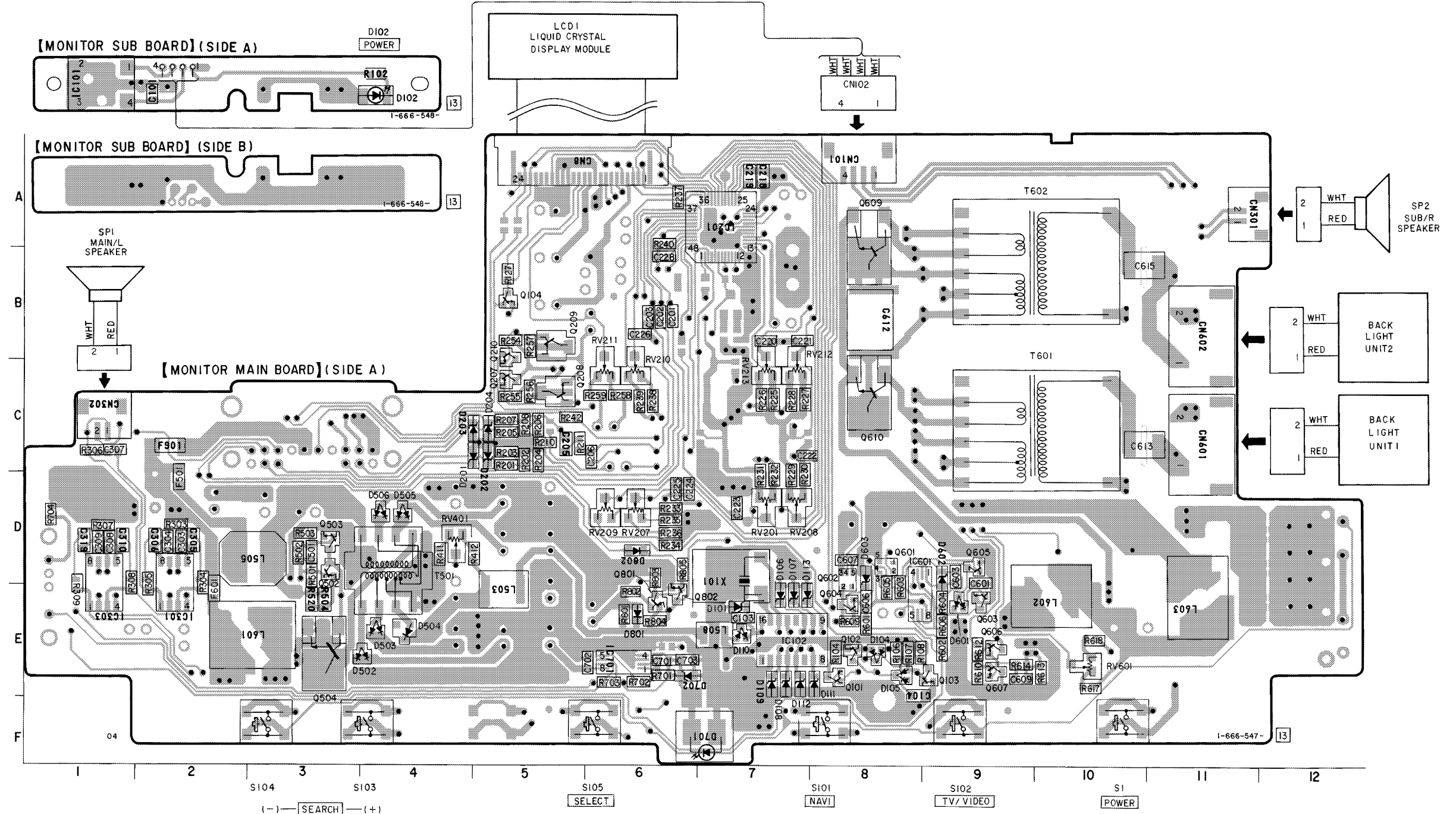
4-3. BLOCK DIAGRAM — TUNER UNIT (AUDIO) SECTION —



4-4. PRINTED WIRING BOARDS — MONITOR SECTION —

• Semiconductor Location (side A)

Ref. No.	Location
D101	E-7
D104	E-8
D105	E-8
D106	E-7
D107	E-7
D108	F-7
D109	E-7
D110	E-7
D111	E-8
D112	E-7
D113	E-7
D201	D-4
D202	C-5
D203	C-4
D204	C-5
D502	E-4
D503	E-4
D504	E-4
D505	D-4
D506	D-4
D601	E-9
D602	D-9
D603	D-8
D701	F-7
D702	E-6
D801	E-6
D802	D-6
IC102	E-7
IC201	A-7
IC301	E-2
IC303	E-1
IC601	D-9
IC701	E-6
Q101	E-8
Q102	E-8
Q103	E-9
Q104	B-5
Q207	C-5
Q208	C-5
Q209	B-5
Q210	B-5
Q502	E-3
Q503	D-3
Q504	F-3
Q601	D-8
Q602	E-8
Q603	E-9
Q604	E-8
Q605	D-9
Q606	E-9
Q607	E-9
Q609	A-8
Q610	C-8
Q801	D-6
Q802	E-7



Note:

- : parts extracted from the conductor side.
- : Through hole.
- ▨ : Pattern from the side which enables seeing. (The other layer's patterns are not indicated.)

Caution:

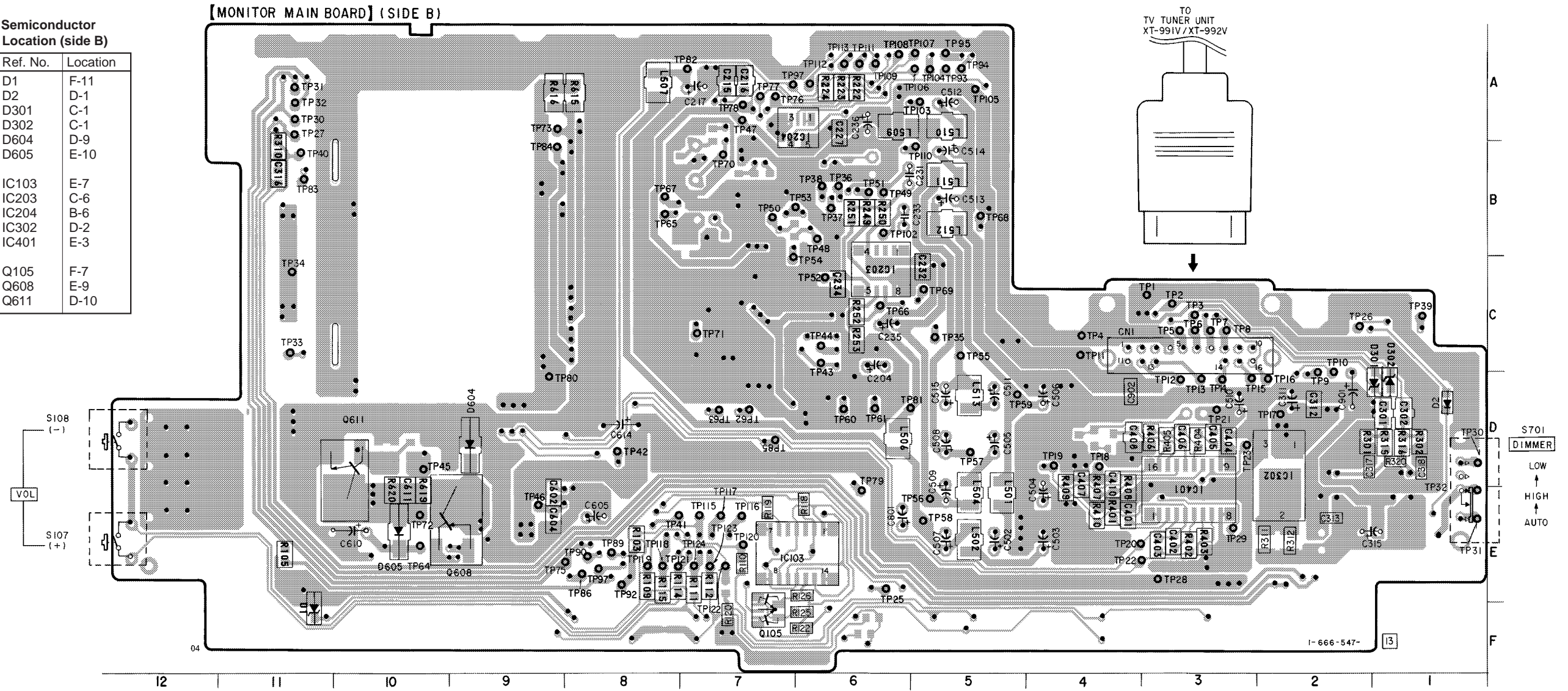
Pattern face side: Parts on the pattern face side seen from the (Side B) pattern face are indicated.

Parts face side: Parts on the parts face side seen from the (Side A) parts face are indicated.

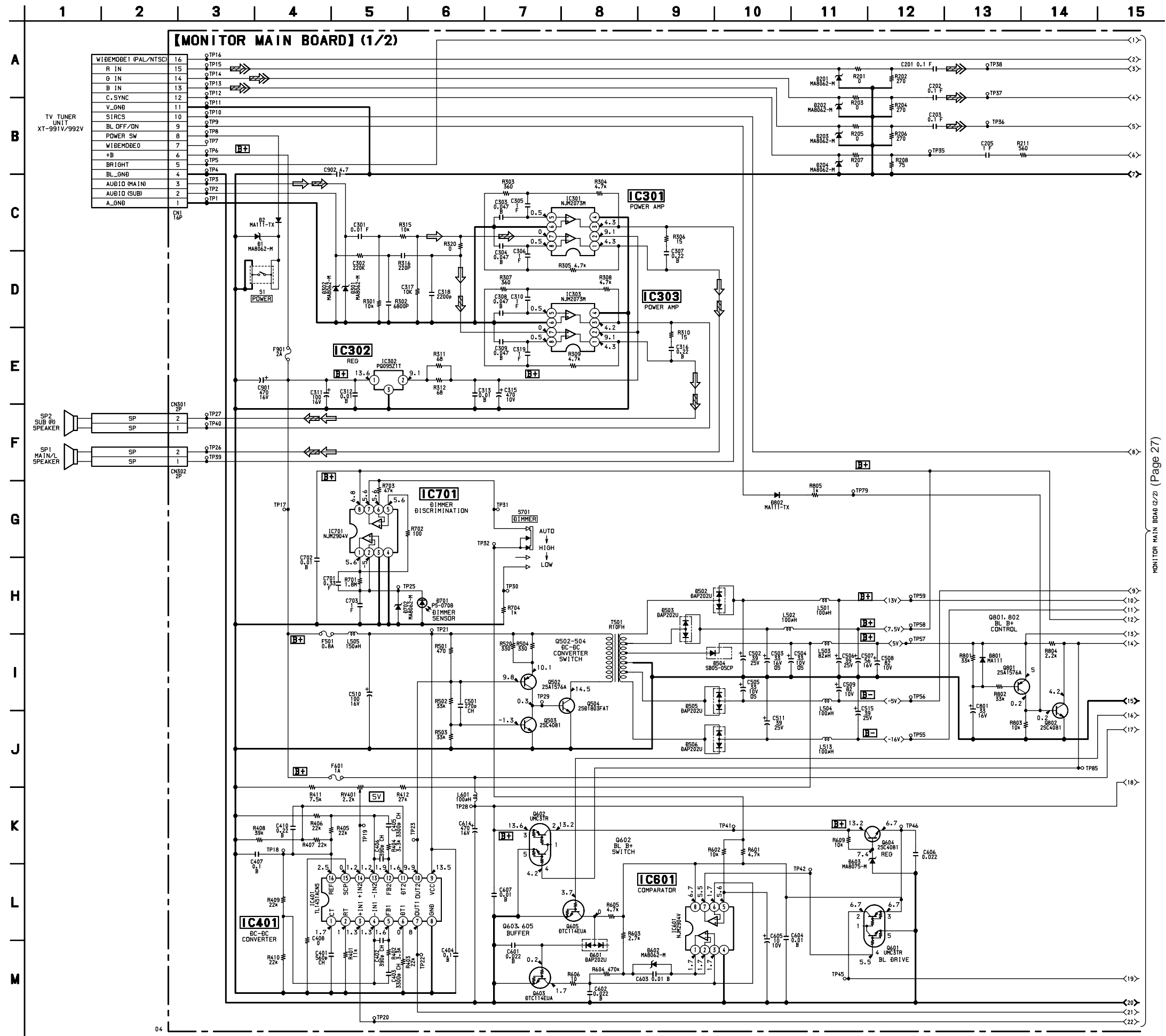
• Semiconductor Location (side B)

Ref. No.	Location
D1	F-11
D2	D-1
D301	C-1
D302	C-1
D604	D-9
D605	E-10
IC103	E-7
IC203	C-6
IC204	B-6
IC302	D-2
IC401	E-3
Q105	F-7
Q608	E-9
Q611	D-10

【MONITOR MAIN BOARD】(SIDE B)



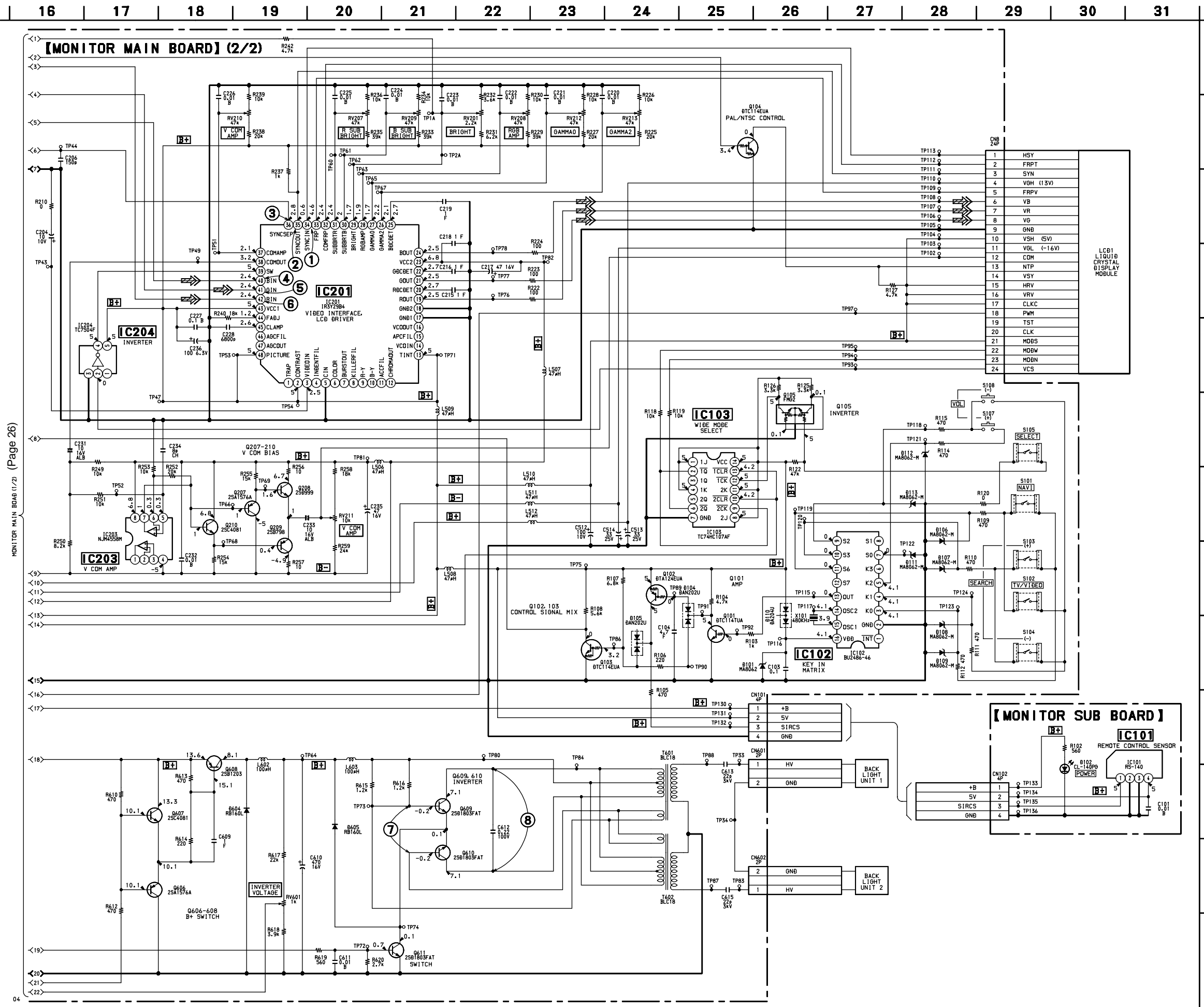
4-5. SCHEMATIC DIAGRAM — MONITOR SECTION (1/2) — • Refer to page 45 for IC Block Diagrams.



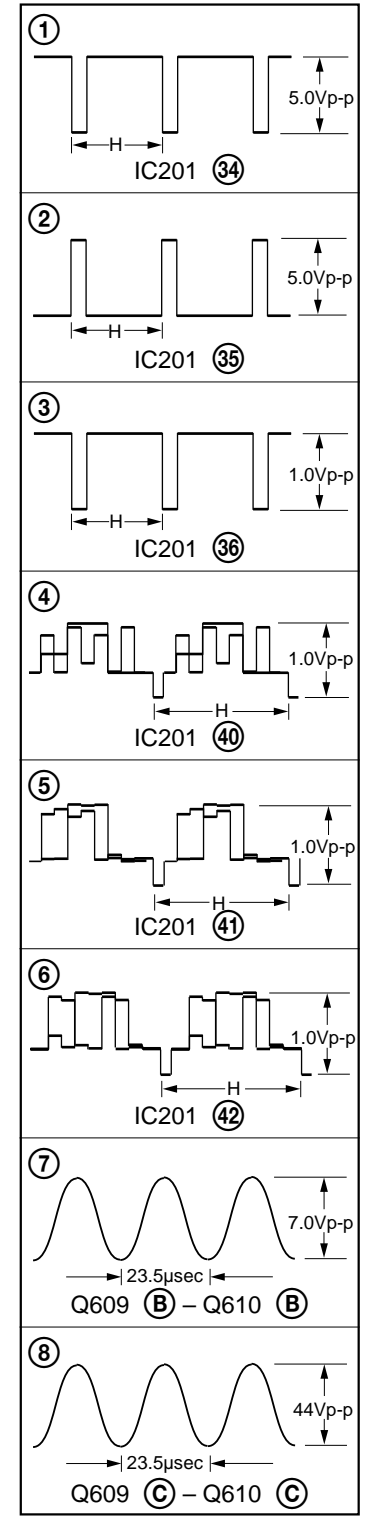
- Note:**
- All capacitors are in μF unless otherwise noted. pF : μF 50 WV or less are not indicated except for electrolytics and tantalums.
 - All resistors are in Ω and $1/4\text{W}$ or less unless otherwise specified.
 - [] : panel designation.
 - B+ : B+ Line.
 - B- : B- Line.
 - [] : adjustment for repair.
 - CN1 of XVM-750W is connected to CN3 (MONITOR OUT) of Tuner Unit (XT-991V or XT-992V) with a monitor cable. Power voltage is dc 14.4 V from ACC cord of the Tuner Unit and fed with regulated dc power supply. (XVM-750W)
 - CN1 of XVM-750W is connected to CN3 (MONITOR OUT) of Tuner Unit (XT-991V or XT-992V) with a monitor cable. Voltage and waveforms are measured at input the color bar signal from INPUT 1 VIDEO (J5-3) jack of the Tuner Unit. (XVM-750W)
 - Voltages are taken with a VOM (Input impedance 10 M Ω). Voltage variations may be noted due to normal production tolerances.
 - Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
 - Circled numbers refer to waveforms.
 - Signal path.
 - [] : TV and External Video (AUDIO)
 - [] : NAVI (AUDIO)
 - [] : VIDEO

MONITOR MAIN BOARD (2/2) (Page 27)

4-6. SCHEMATIC DIAGRAM — MONITOR SECTION (2/2) — • Refer to page 45 for IC Block Diagrams.



• Waveforms

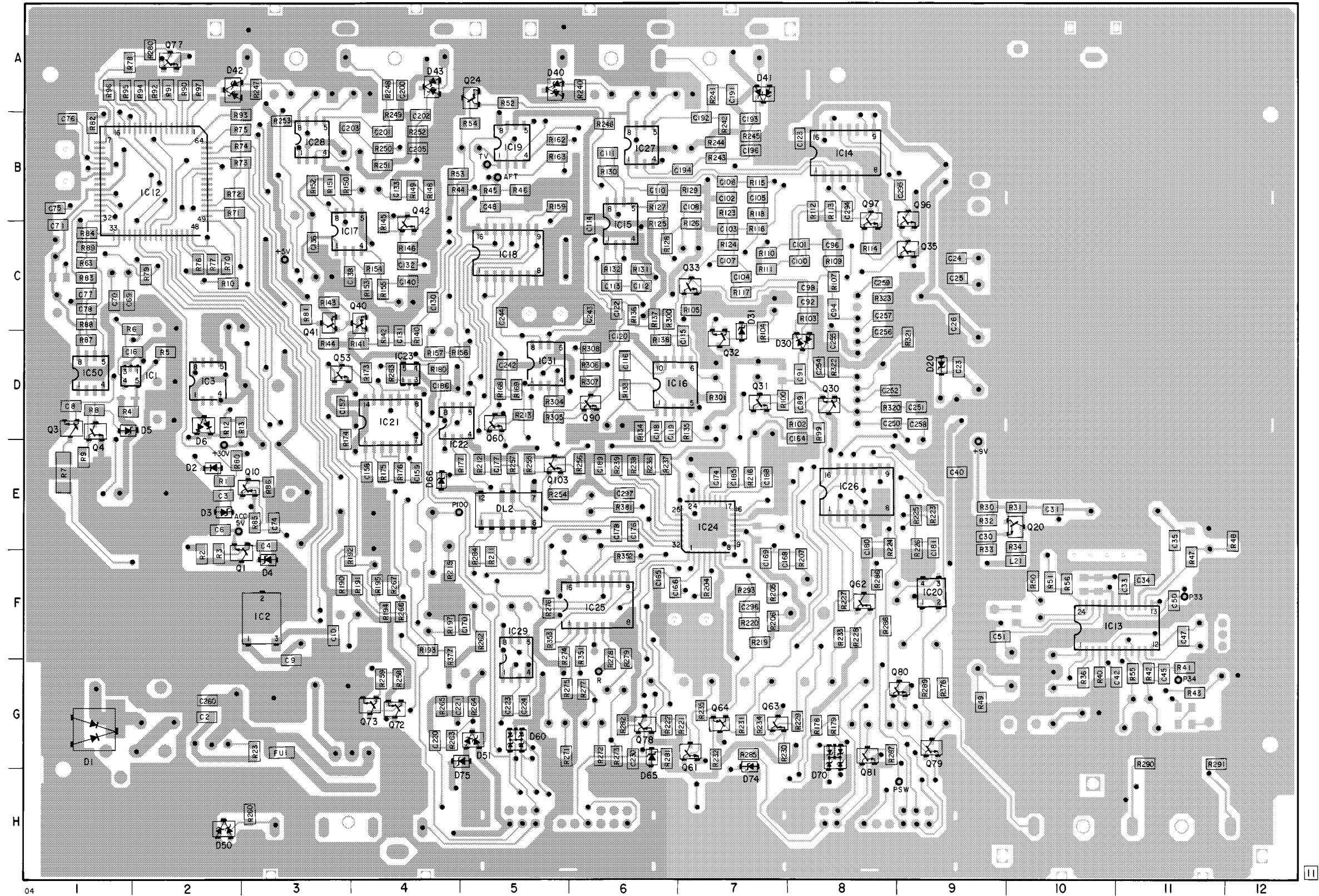


4-7. PRINTED WIRING BOARD — TUNER UNIT (US Model) —

• Semiconductor Location (side A)

Ref. No.	Location
D1	G-1
D2	E-2
D3	E-2
D4	F-3
D5	D-2
D6	D-2
D20	D-9
D30	C-8
D31	C-7
D40	A-5
D41	A-7
D42	A-2
D43	A-4
D50	H-2
D51	G-5
D60	G-5
D65	H-6
D66	E-4
D70	H-8
D74	H-7
D75	H-5
IC1	D-2
IC2	F-3
IC3	D-2
IC12	B-2
IC13	F-10
IC14	B-8
IC15	B-6
IC16	D-7
IC17	B-3
IC18	C-5
IC19	B-5
IC20	F-9
IC21	D-4
IC22	D-4
IC23	D-4
IC24	E-7
IC25	F-6
IC26	E-8
IC27	B-6
IC28	B-3
IC29	F-5
IC31	D-5
IC50	D-1
Q1	F-3
Q3	D-1
Q4	E-1
Q10	E-3
Q20	E-10
Q24	A-5
Q30	D-8
Q31	D-7
Q32	D-7
Q33	C-7
Q35	C-9
Q40	C-4
Q41	C-3
Q42	B-4
Q53	D-3
Q60	D-5
Q61	G-7
Q62	F-8
Q63	G-7
Q64	G-7
Q72	G-4
Q73	G-4
Q77	A-2
Q78	G-6
Q79	G-9
Q80	C-8
Q81	H-8
Q90	D-6
Q96	C-9
Q97	B-8
Q103	E-5

[TUNER MAIN BOARD] (SIDE A)

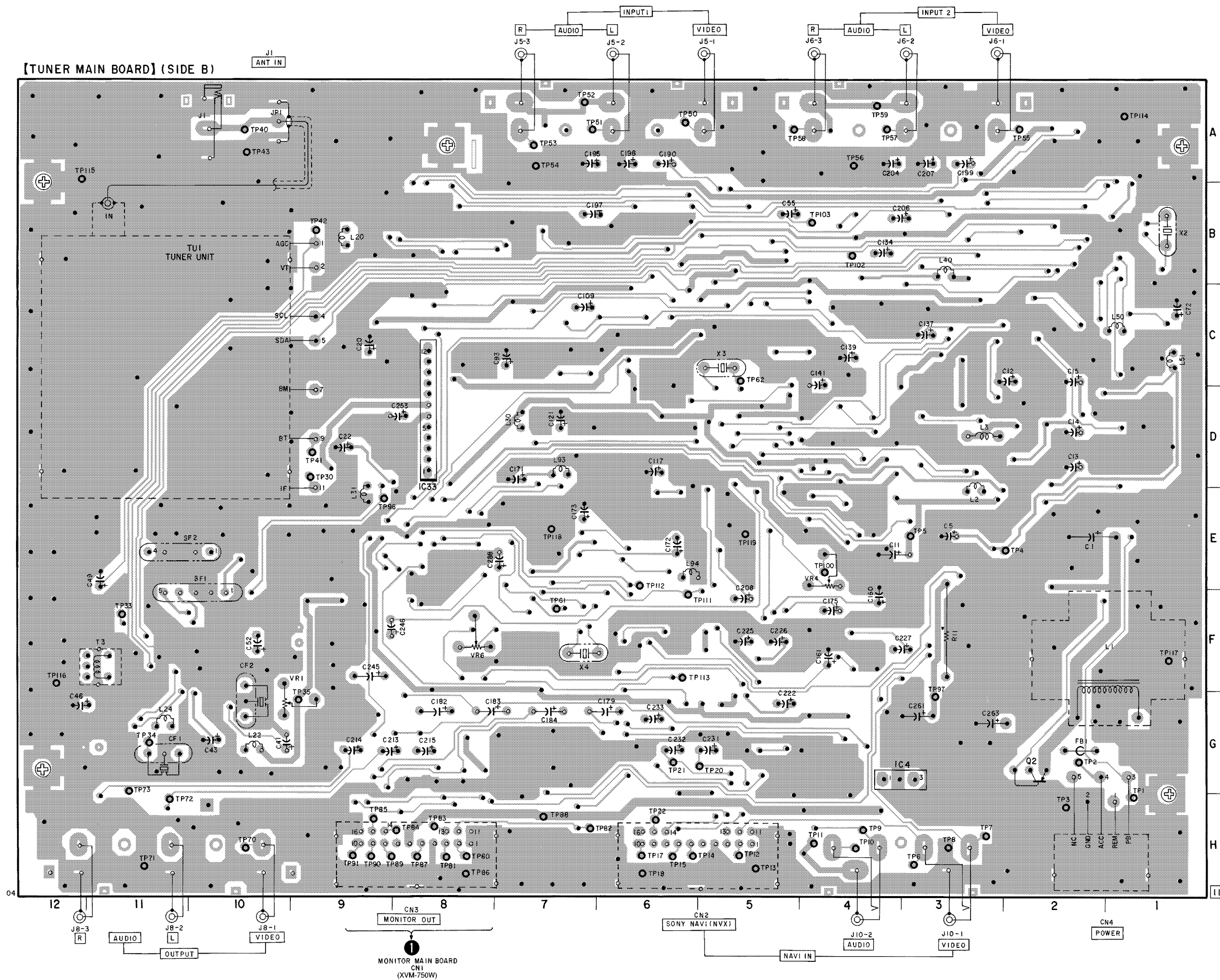


Note:

- • : Through hole.
- : Pattern from the side which enables seeing. (The other layer's patterns are not indicated.)

Caution:

Pattern face side: Parts on the pattern face side seen from the (Side B) pattern face are indicated.
 Parts face side: Parts on the parts face side seen from the (Side A) parts face are indicated.



• Semiconductor Location (side B)

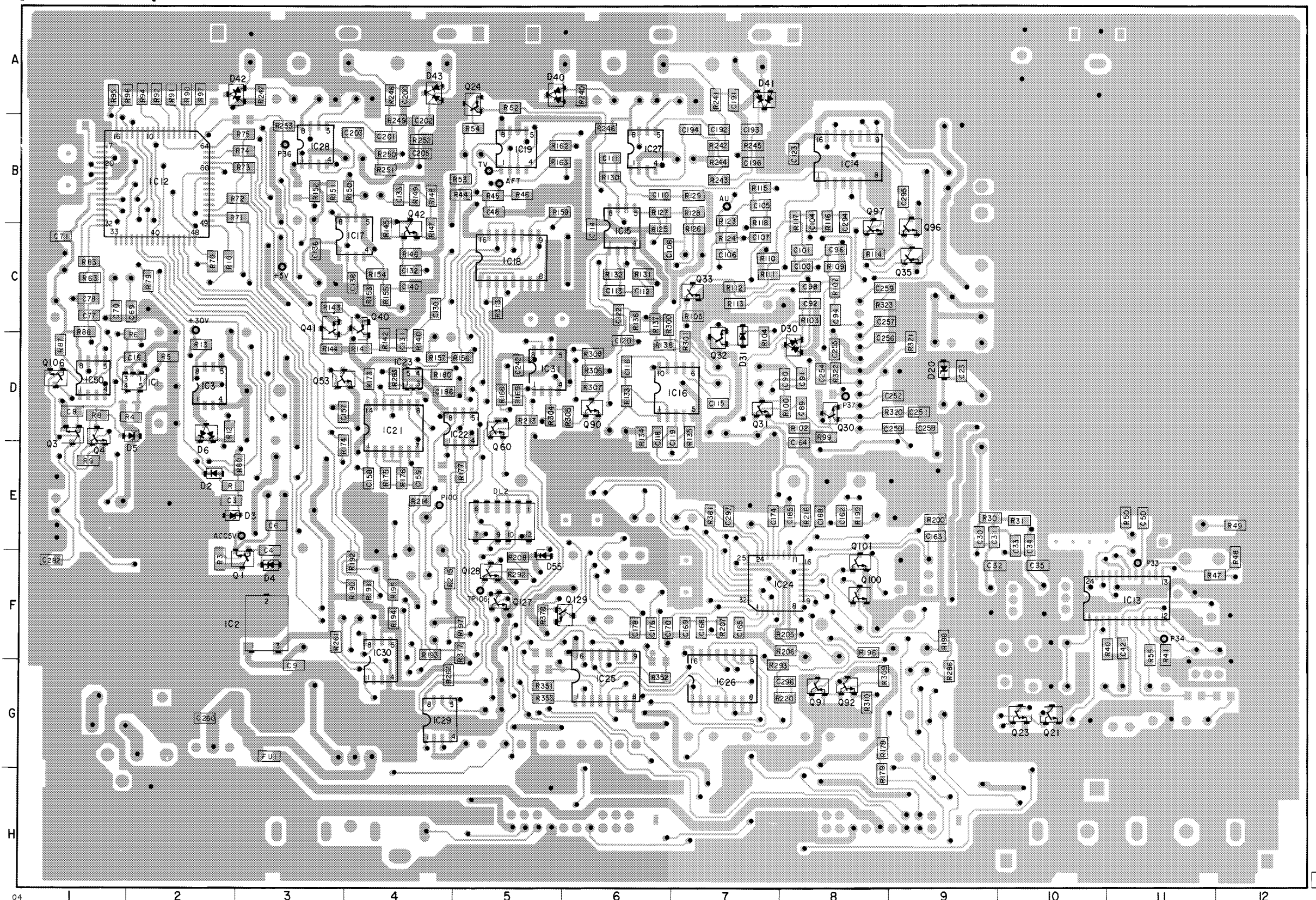
Ref. No.	Location
IC4	G-3
IC33	E-8
Q2	G-2

4-8. PRINTED WIRING BOARD — TUNER UNIT (Hong Kong Model) —

[TUNER MAIN BOARD] (SIDE A)

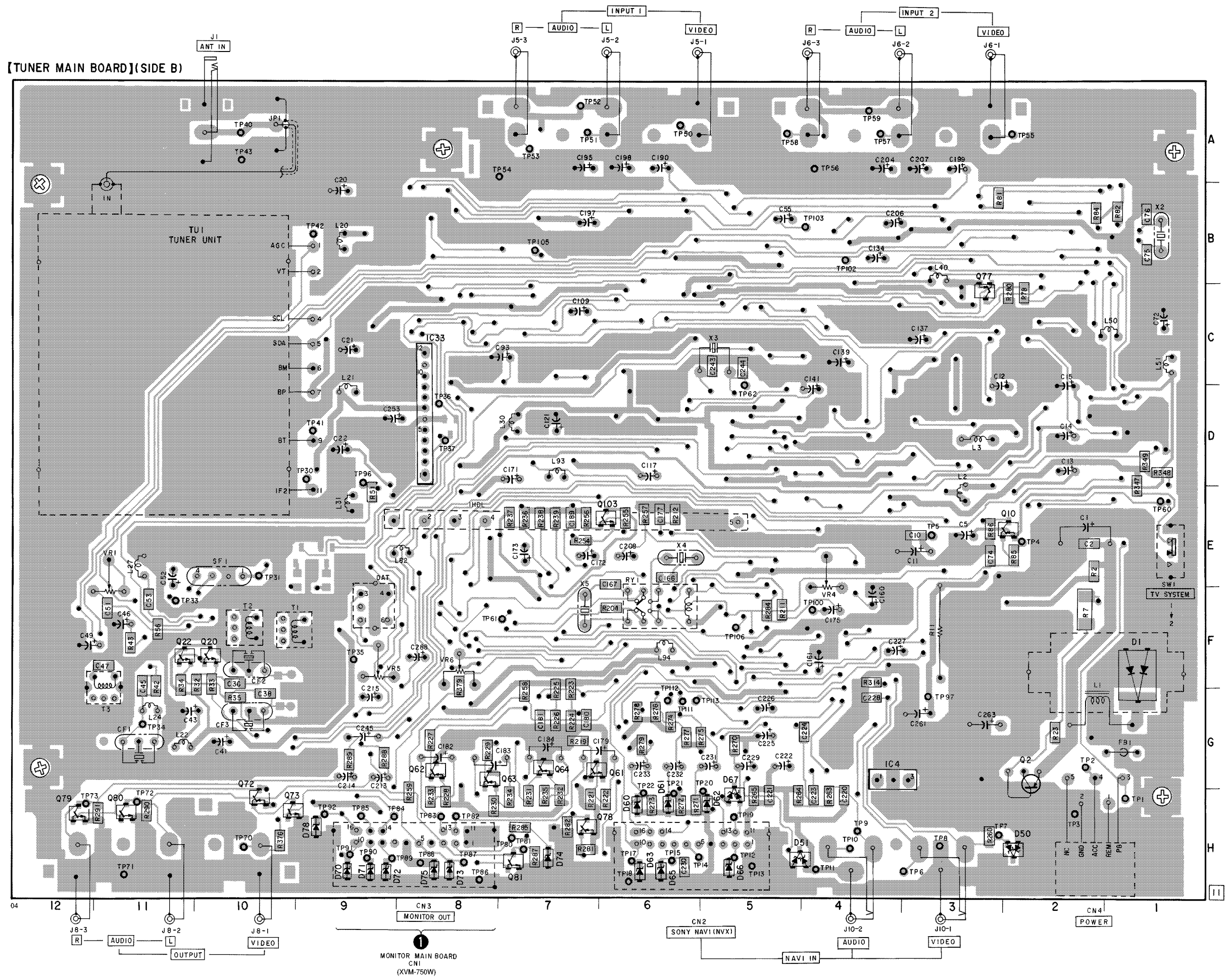
• Semiconductor
Location (side A)

Ref. No.	Location
D2	E-2
D3	E-3
D4	F-3
D5	E-2
D6	E-2
D20	D-9
D30	D-8
D31	D-7
D40	A-5
D41	A-7
D42	A-3
D43	A-4
D55	E-5
IC1	D-2
IC2	F-3
IC3	D-2
IC12	B-2
IC13	F-11
IC14	B-8
IC15	B-6
IC16	D-7
IC17	B-4
IC18	C-5
IC19	B-5
IC21	D-4
IC22	D-5
IC23	D-4
IC24	F-8
IC25	G-6
IC26	F-7
IC27	B-6
IC28	B-3
IC29	G-4
IC30	F-4
IC31	D-5
IC50	D-1
Q1	F-3
Q3	E-1
Q4	E-1
Q21	G-10
Q23	G-10
Q24	A-5
Q30	E-8
Q31	D-7
Q32	D-7
Q33	C-7
Q35	C-9
Q40	C-4
Q41	C-3
Q42	B-4
Q53	D-3
Q60	D-5
Q90	D-6
Q91	G-8
Q92	G-8
Q96	C-9
Q97	B-8
Q100	F-8
Q101	E-8
Q106	D-1
Q127	F-5
Q128	F-5
Q129	F-6



Note:
 • • : Through hole.
 • : Pattern from the side which enables seeing.
 (The other layer's patterns are not indicated.)

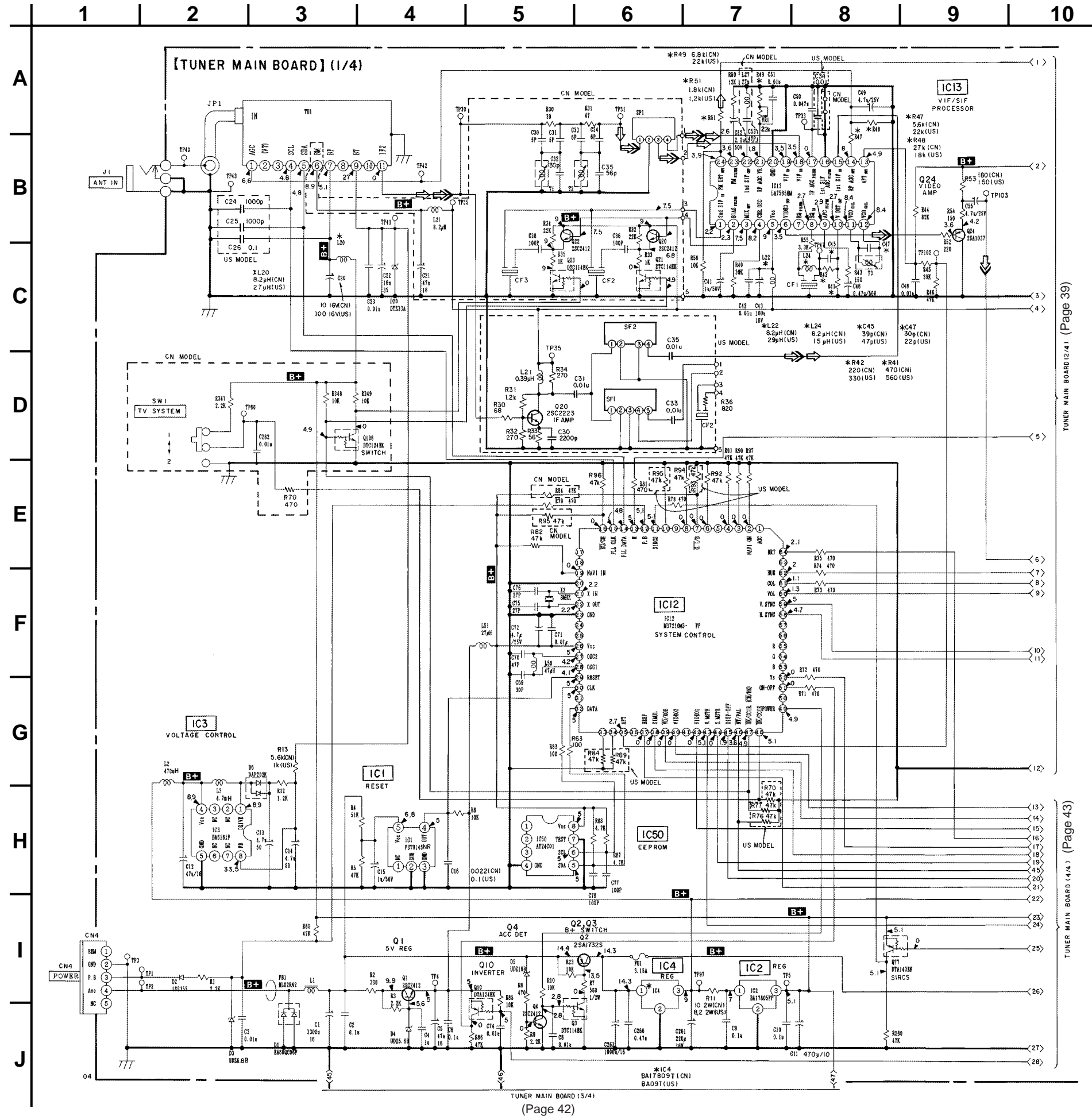
Caution:
 Pattern face side: Parts on the pattern face side seen from the (Side B) pattern face are indicated.
 Parts face side: Parts on the parts face side seen from the (Side A) parts face are indicated.



• Semiconductor Location (side B)

Ref. No.	Location
D1	F-1
D50	H-2
D51	H-4
D60	G-6
D61	G-6
D62	H-5
D63	H-6
D65	H-6
D66	H-5
D67	G-5
D70	H-9
D71	H-9
D72	H-8
D73	H-8
D74	H-7
D75	H-8
D78	H-9
IC4	G-4
IC33	C-8
Q2	G-2
Q10	E-2
Q20	F-10
Q22	F-11
Q61	G-6
Q62	G-8
Q63	G-7
Q64	G-7
Q72	G-10
Q73	G-10
Q77	B-3
Q78	H-6
Q79	G-12
Q80	G-11
Q81	H-7
Q103	E-6

4-9. SCHEMATIC DIAGRAM — TUNER UNIT (1/4) — • Refer to page 47 for IC Block Diagrams.

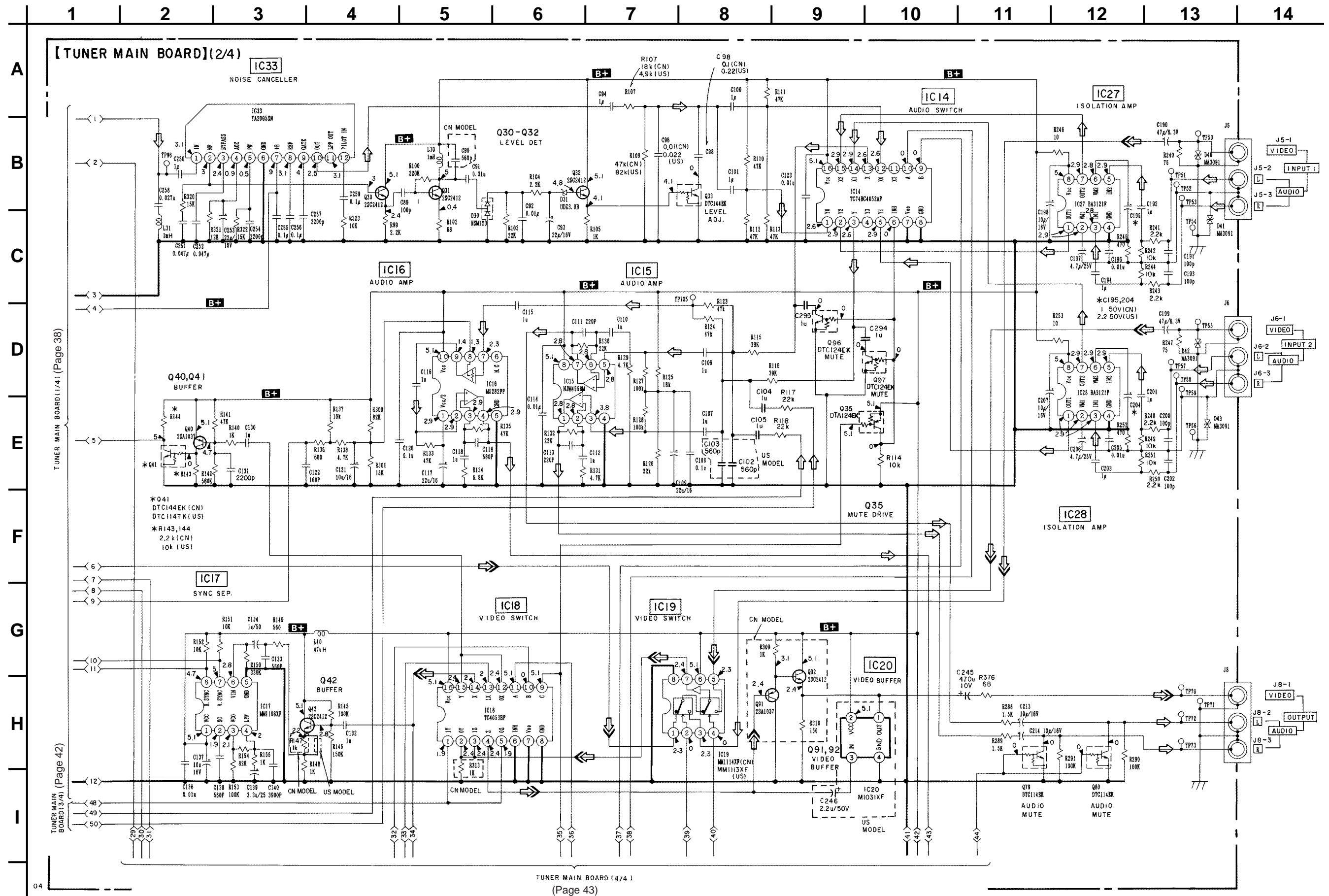


TUNER MAIN BOARD (1/4) (Page 39)

TUNER MAIN BOARD (1/4) (Page 43)

- Note:**
- All capacitors are in μF unless otherwise noted. pF : μF
 - 50 WV or less are not indicated except for electrolytics and tantalums.
 - All resistors are in Ω and $1/4\text{W}$ or less unless otherwise specified.
 - [] : panel designation.
 - B+ : B+ Line.
 - Power voltage is dc 14.4V and fed with regulated dc power supply from ACC CN4.
 - Voltage is dc with respect to ground under no-signal condition.
 - Signal path.
 - [] : VIDEO
 - [] : AUDIO
 - Abbreviation
 - CN : Hong Kong model.

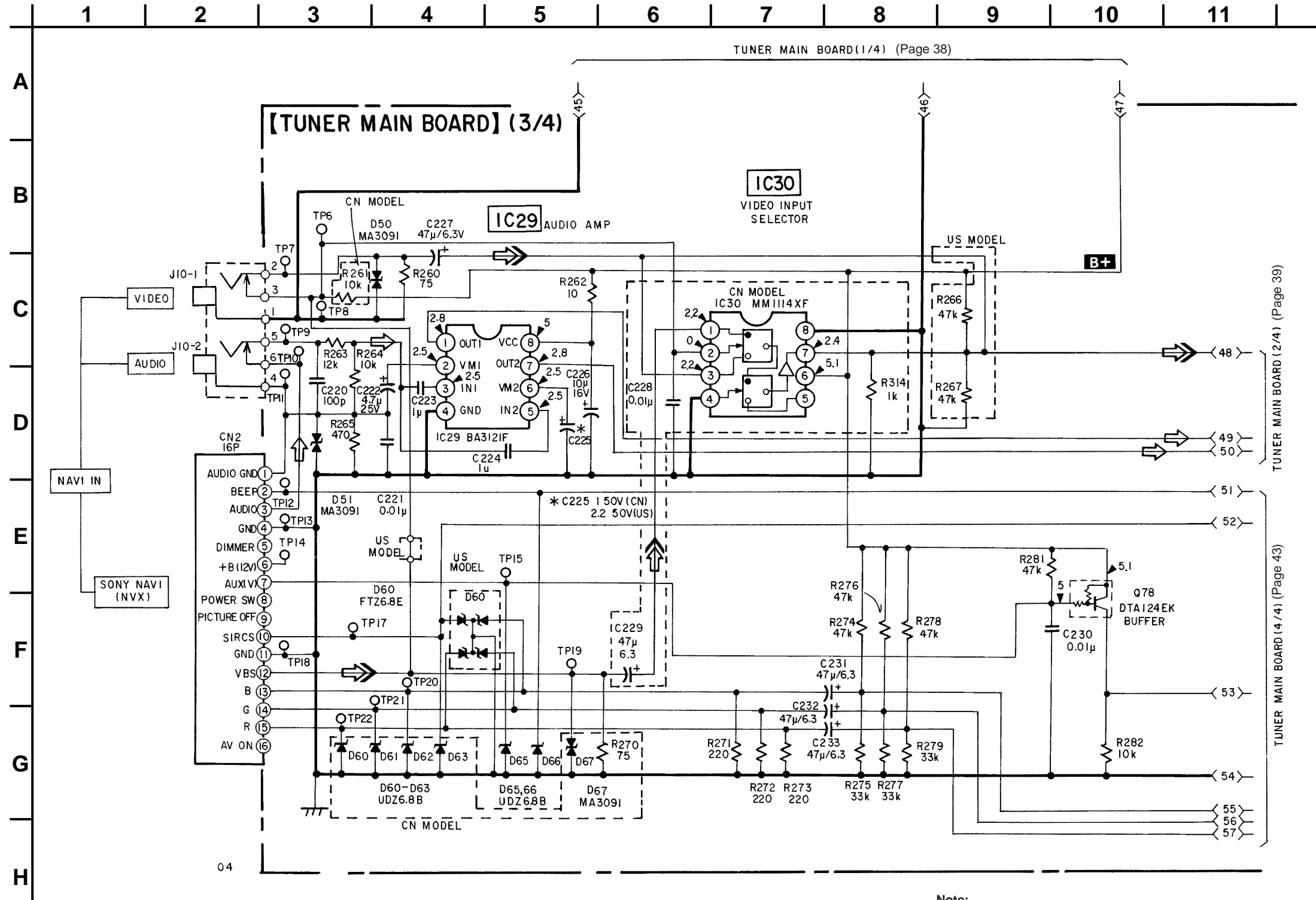
4-10. SCHEMATIC DIAGRAM — TUNER UNIT (2/4) — • Refer to page 47 for IC Block Diagrams.



Note:

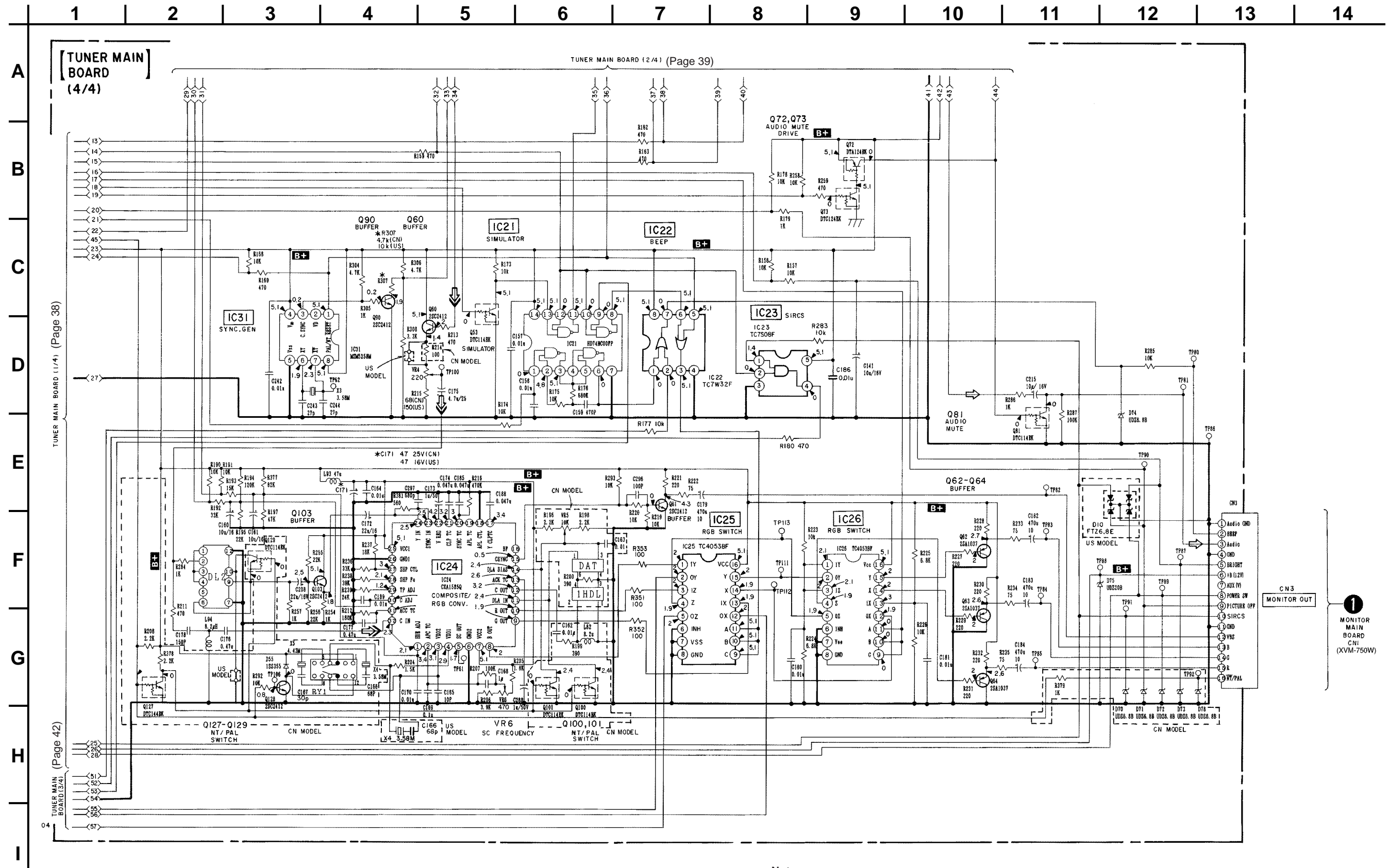
- All capacitors are in μF unless otherwise noted. pF: μF F 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $1/4$ W or less unless otherwise specified.
- : panel designation.
- **B+** : B+ Line.
- Power voltage is dc 14.4V and fed with regulated dc power supply from ACC CN4.
- Voltage is dc with respect to ground under no-signal condition.
- Signal path.
- \Rightarrow : VIDEO
- \Rightarrow : AUDIO
- Abbreviation
- CN : Hong Kong model.

4-11. SCHEMATIC DIAGRAM — TUNER UNIT (3/4) — • Refer to page 47 for IC Block Diagrams.



- Note:**
- All capacitors are in μF unless otherwise noted. pF: μpF
50 WV or less are not indicated except for electrolytics and tantalums.
 - All resistors are in Ω and $1/4$ W or less unless otherwise specified.
 - [] : panel designation.
 - B+ : B+ Line.
 - Power voltage is dc 14.4V and fed with regulated dc power supply from ACC CN4.
 - Voltage is dc with respect to ground under no-signal condition.
 - Signal path.
 - VIDEO
 - AUDIO
 - Abbreviation
 - CN : Hong Kong model.

4-12. SCHEMATIC DIAGRAM — TUNER UNIT (4/4) — • Refer to page 48 for IC Block Diagrams.

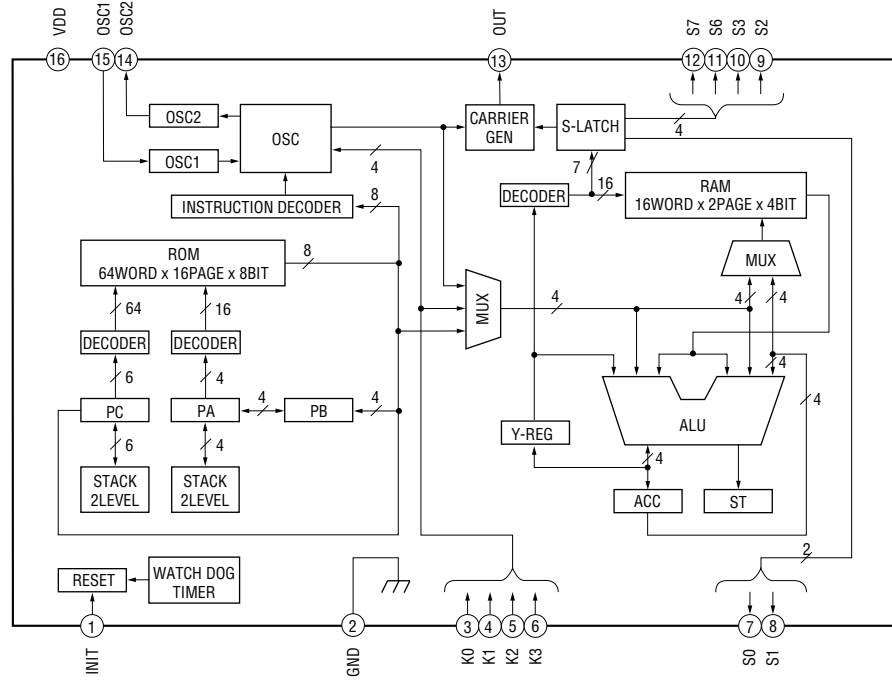


Note:

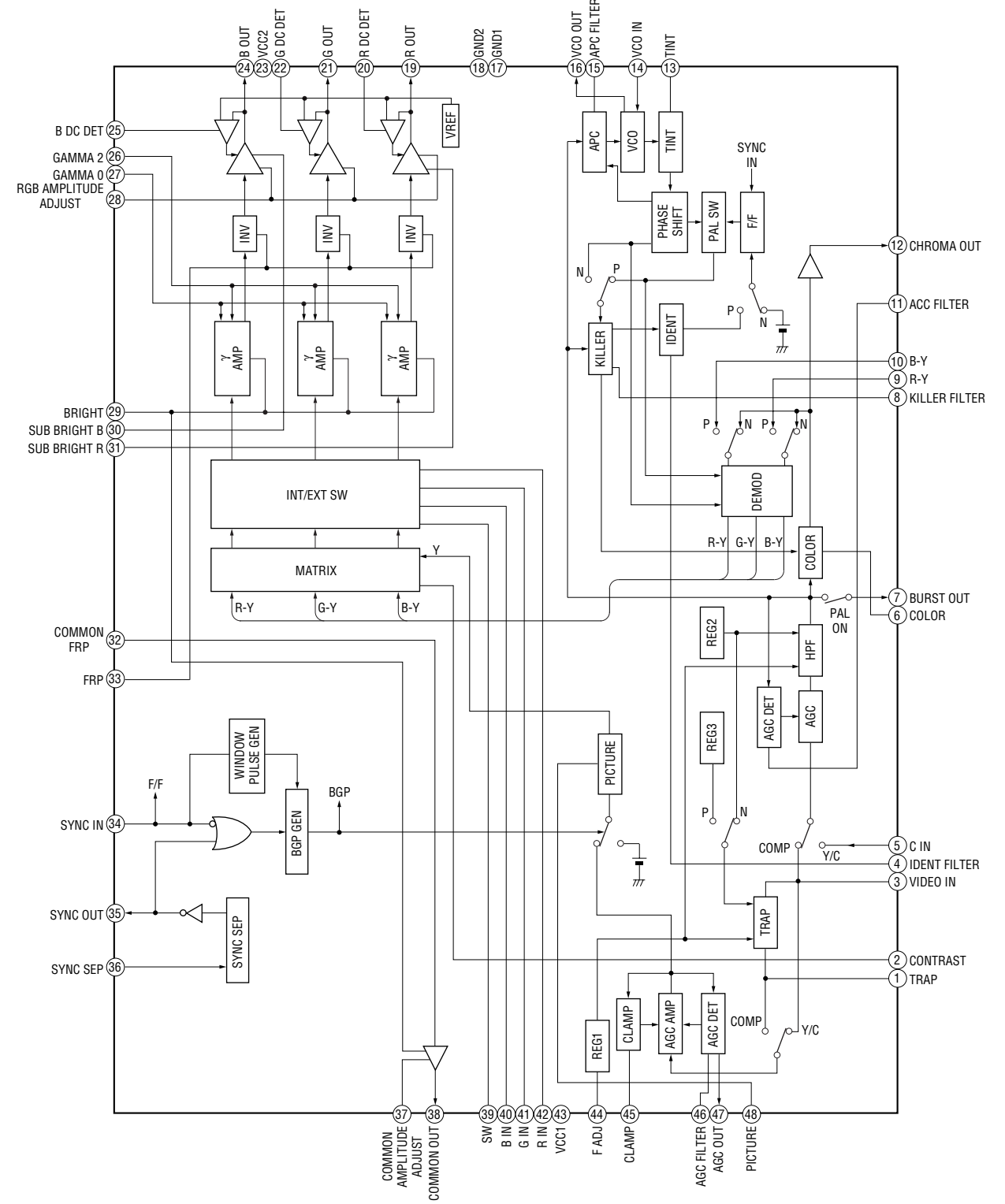
- All capacitors are in μF unless otherwise noted. pF : μF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $1/4\text{W}$ or less unless otherwise specified.
- [] : panel designation.
- **B+** : B+ Line.
- Power voltage is dc 14.4V and fed with regulated dc power supply from ACC CN4.
- Voltage is dc with respect to ground under no-signal condition.
- Signal path.
 - ⇒ : VIDEO
 - ⇨ : AUDIO
- Abbreviation
CN : Hong Kong model.

• IC Block Diagrams

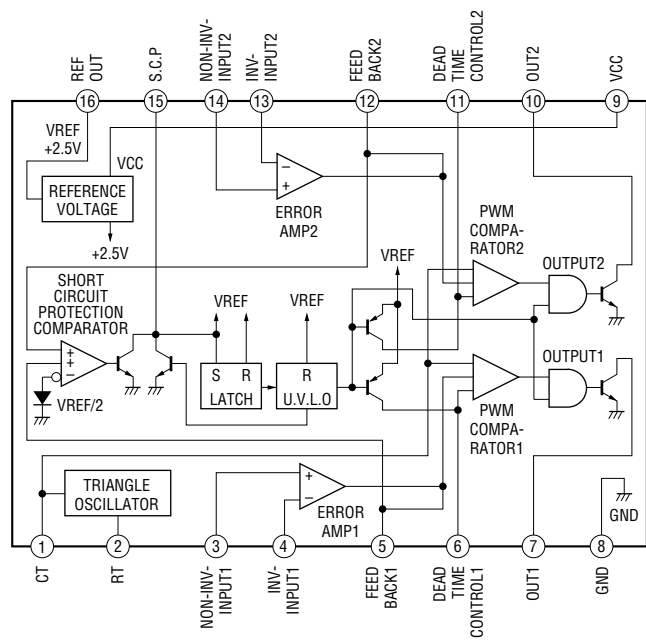
IC102 BU2486-46



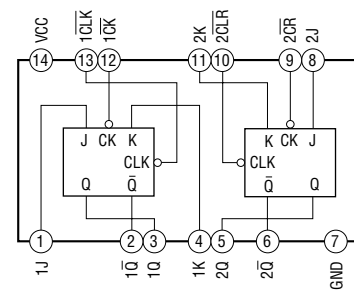
IC201 IR3Y29B4



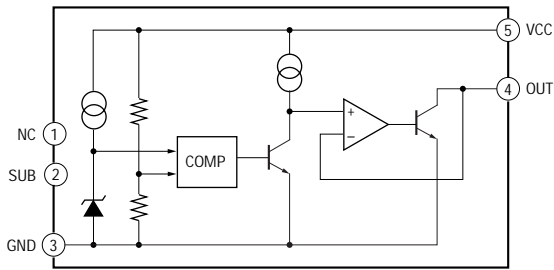
IC401 TL1451ACNS



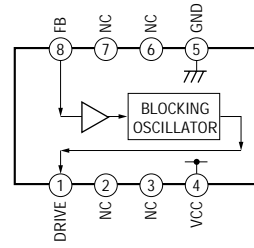
IC103 TC74HC107AF



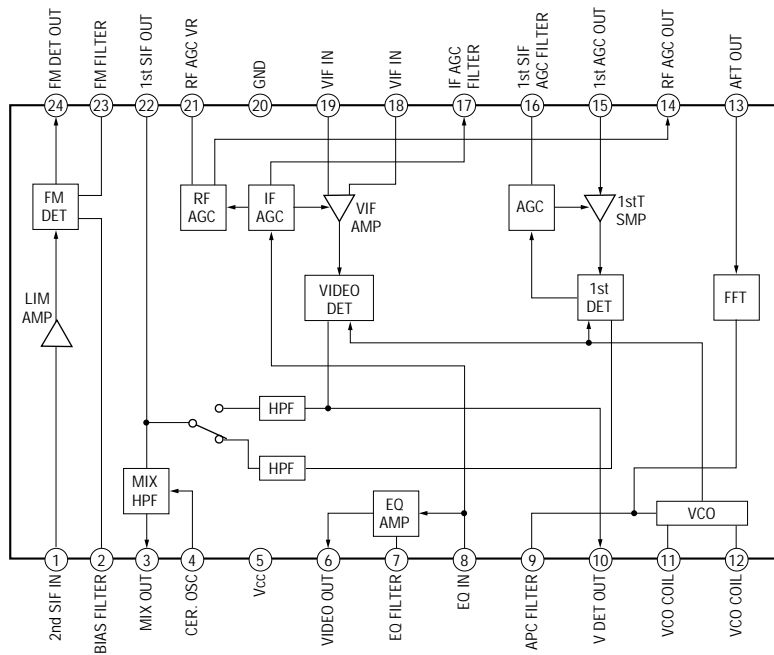
IC1 PST9145NR



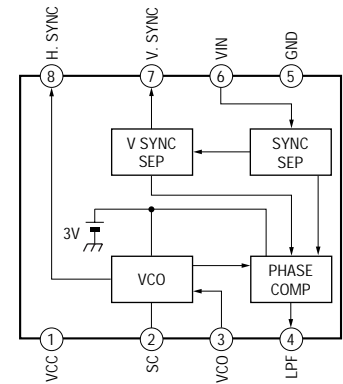
IC3 BA6161F



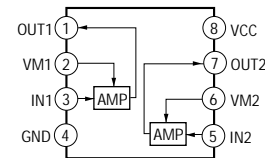
IC13 LA7565EM



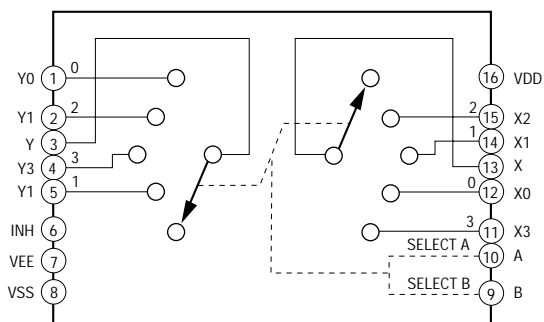
IC17 MM1108XF



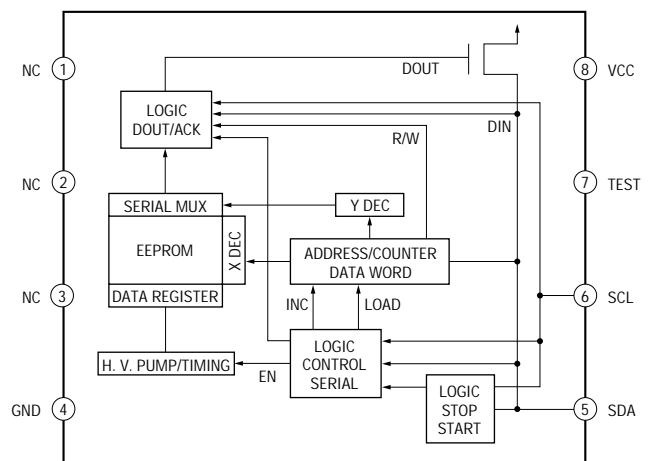
IC27 - 29 BA3121F



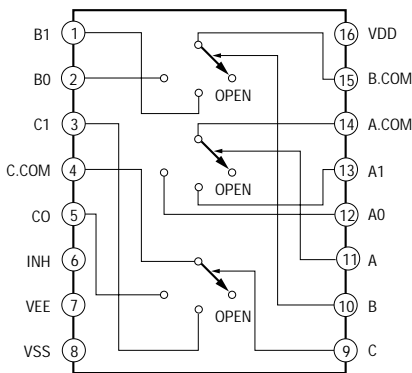
IC14 TC74HC4052AF



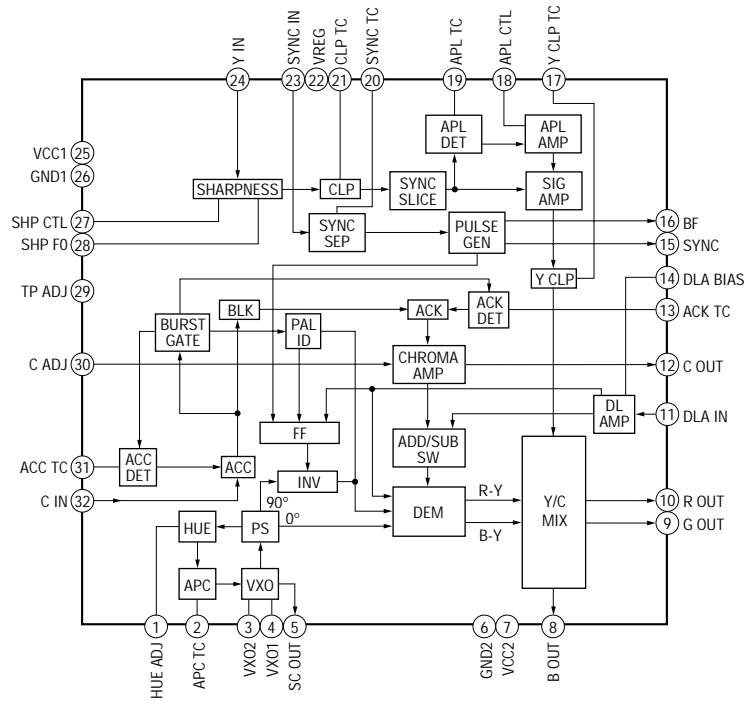
IC50 AT24C01



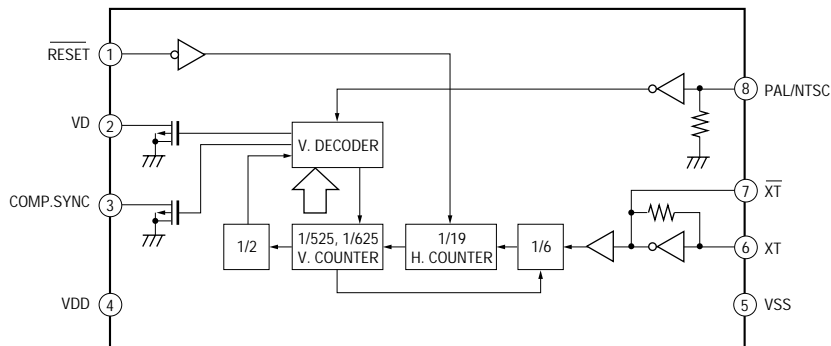
IC18, 25, 26 TC4053BF



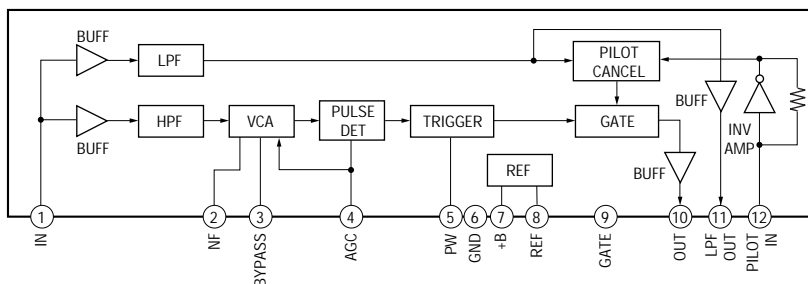
IC24 CXA1585Q



IC31 MSM5258M



IC33 TA2005SN



SECTION 5 EXPLODED VIEWS

NOTE:

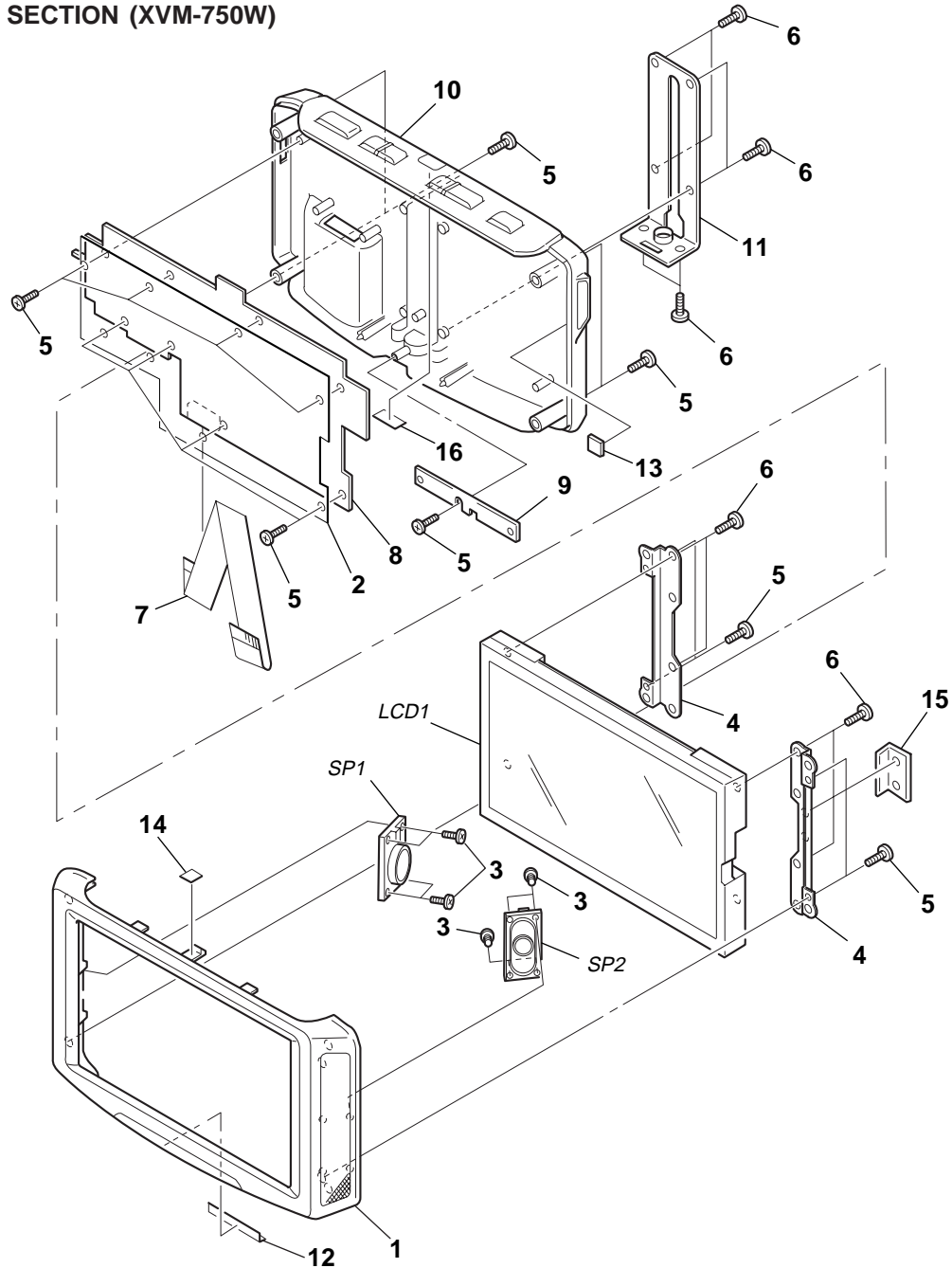
- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
Example :
KNOB, BALANCE (WHITE) ... (RED)

↑ ↑
Parts Color Cabinet's Color

- Accessories and packing materials are given in the last of this parts list.
- Abbreviation
CN : Hong Kong model

5-1. MONITOR SECTION (XVM-750W)

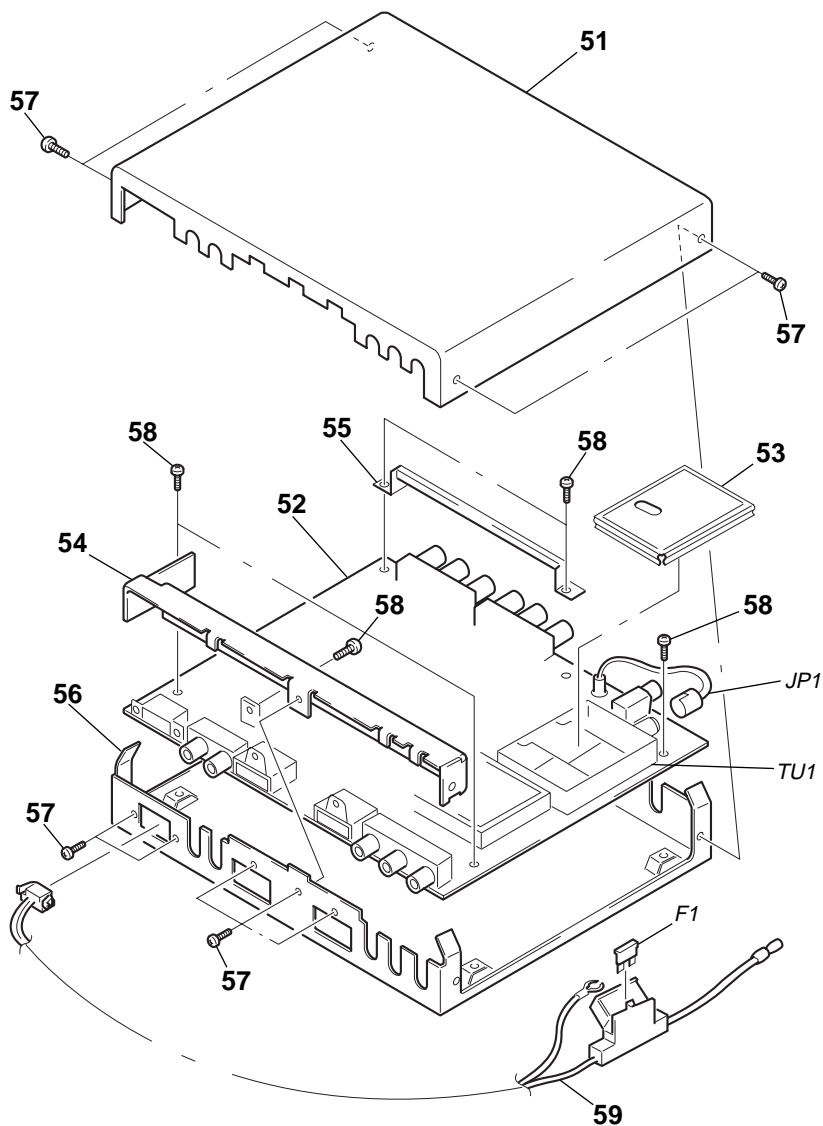


Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
1	X-3377-549-1	PANEL ASSY, FRONT		11	3-014-834-01	BRACKET (W), STAND	
* 2	3-018-155-01	SHEET (MAIN PC BOARD)		* 12	3-019-224-01	SHEET (EMBLEM)	
3	3-018-974-01	SCREW (2X5)		* 13	3-020-033-01	CUSHION (VOL)	
* 4	3-014-835-01	BRACKET (W), LCD		* 14	3-020-466-01	SHEET (FP2)	
5	3-713-790-21	SCREW (M2X6), TAPPING, P3		* 15	3-018-154-01	SHEET (BRACKET)	
6	3-016-188-01	SCREW (2.6X5)		* 16	3-019-040-01	SHEET	
7	1-782-596-11	CABLE, FLAT 24P		LCD1	1-801-725-11	DISPLAY PANEL, LIQUID CRYSTAL	
* 8	A-3317-721-A	MONITOR MAIN BOARD, COMPLETE		SP1	1-505-588-11	SPEAKER (3.5X2cm) (L-CH)	
* 9	1-666-548-11	MONITOR SUB BOARD		SP2	1-505-588-11	SPEAKER (3.5X2cm) (R-CH)	
10	X-3377-550-1	PANEL ASSY, REAR					

5-2. TUNER SECTION

(XT-992V : US Model)

(XT-991V : Hong Kong Model)



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
* 51	9-884-241-01	CASE (TOP) (CN)		* 58	7-621-773-95	SCREW +B 2.6X7	
* 51	9-884-246-01	CASE (TOP) (US)		59	1-777-901-11	CORD (WITH CONNEVTOR) (POWER) (2m) (INCLUDING F1)	
* 52	9-884-239-01	TUNER MAIN BOARD, COMPLETE (CN)		F1	1-532-731-11	FUSE (BLADE TYPE) (AUTO FUSE) 3A	
* 52	9-884-245-01	TUNER MAIN BOARD, COMPLETE (US)		JP1	9-939-916-01	CORD (WITH PHONO PLUG)	
* 53	9-882-921-01	PLATE, SHIELD (PIF)		TU1	9-884-238-01	TUNER UNIT (CN)	
* 54	9-882-922-01	HEAT SINK		TU1	9-884-244-01	TUNER UNIT (US)	
* 55	9-936-532-01	PLATE, REINFORCEMENT					
* 56	9-884-240-01	CASE (BOTTOM)					
* 57	7-621-770-67	SCREW +B 2.6X6					

SECTION 6 ELECTRICAL PARTS LIST

MONITOR MAIN

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
All resistors are in ohms.
METAL: Metal-film resistor.
METAL OXIDE: Metal oxide-film resistor.
F: nonflammable

- Items marked “*” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
In each case, u : μ , for example:
uA.. : μ A.. uPA.. : μ PA..
uPB.. : μ PB.. uPC.. : μ PC.. uPD.. : μ PD..
- CAPACITORS
uF : μ F
- COILS
uH : μ H

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

- Abbreviation
CN : Hong Kong model

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
*	A-3317-721-A	MONITOR MAIN BOARD, COMPLETE *****		C313	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
		< CAPACITOR >		C315	1-104-652-11	ELECT 470uF 20%	10V
C103	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C316	1-165-128-11	CERAMIC CHIP 0.22uF	16V
C104	1-117-720-11	CERAMIC CHIP 4.7uF	10V	C317	1-216-833-11	RES,CHIP 10K 5%	1/16W
C201	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C318	1-162-966-11	CERAMIC CHIP 0.0022uF 10%	50V
C202	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C319	1-164-346-11	CERAMIC CHIP 1uF	16V
C203	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C401	1-164-739-11	CERAMIC CHIP 560PF 5%	50V
C204	1-126-157-11	ELECT 10uF 20%	16V	C402	1-164-392-11	CERAMIC CHIP 390PF 5%	50V
C205	1-164-346-11	CERAMIC CHIP 1uF	16V	C403	1-162-967-11	CERAMIC CHIP 0.0033uF 10%	50V
C206	1-164-217-11	CERAMIC CHIP 150PF 5%	50V	C404	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C215	1-164-346-11	CERAMIC CHIP 1uF	16V	C405	1-162-967-11	CERAMIC CHIP 0.0033uF 10%	50V
C216	1-164-346-11	CERAMIC CHIP 1uF	16V	C406	1-164-392-11	CERAMIC CHIP 390PF 5%	50V
C217	1-124-589-11	ELECT 47uF 20%	16V	C407	1-164-156-11	CERAMIC CHIP 0.1uF	25V
C218	1-164-346-11	CERAMIC CHIP 1uF	16V	C408	1-216-295-00	SHORT 0	
C219	1-164-346-11	CERAMIC CHIP 1uF	16V	C410	1-165-128-11	CERAMIC CHIP 0.22uF	16V
C220	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V	C501	1-163-127-00	CERAMIC CHIP 270PF 5%	50V
C221	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V	C502	1-124-943-11	ELECT 39uF 20%	25V
C222	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V	C503	1-117-154-11	ELECT 33uF 20%	16V
C223	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V	C504	1-109-894-11	ELECT 33uF 20%	10V
C224	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V	C505	1-109-894-11	ELECT 33uF 20%	10V
C225	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V	C506	1-124-943-11	ELECT 39uF 20%	25V
C226	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V	C507	1-124-569-11	ELECT 56uF 20%	16V
C227	1-164-156-11	CERAMIC CHIP 0.1uF	25V	C508	1-124-577-11	ELECT 82uF 20%	10V
C228	1-162-969-11	CERAMIC CHIP 0.0068uF 10%	25V	C509	1-124-577-11	ELECT 82uF 20%	10V
C231	1-126-320-11	ELECT(NONPOLAR) 10uF 20%	16V	C510	1-126-968-11	ELECT 100uF 20%	16V
C232	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V	C511	1-124-943-11	ELECT 39uF 20%	25V
C233	1-126-320-11	ELECT(NONPOLAR) 10uF 20%	16V	C512	1-126-177-11	ELECT 100uF 20%	10V
C234	1-162-913-11	CERAMIC CHIP 8PF 0.5PF 50V		C513	1-128-078-11	ELECT 33uF 20%	25V
C235	1-124-589-11	ELECT 47uF 20%	16V	C514	1-128-078-11	ELECT 33uF 20%	25V
C236	1-126-155-11	ELECT 100uF 20%	6.3V	C515	1-124-943-11	ELECT 39uF 20%	25V
C301	1-163-021-11	CERAMIC CHIP 0.01uF 10%	50V	C601	1-164-227-11	CERAMIC CHIP 0.022uF 10%	25V
C302	1-216-105-00	RES,CHIP 220K 5%	1/10W	C602	1-164-227-11	CERAMIC CHIP 0.022uF 10%	25V
C303	1-165-176-11	CERAMIC CHIP 0.047uF 10%	16V	C603	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C304	1-165-176-11	CERAMIC CHIP 0.047uF 10%	16V	C604	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C305	1-164-346-11	CERAMIC CHIP 1uF	16V	C605	1-126-157-11	ELECT 10uF 20%	16V
C306	1-164-346-11	CERAMIC CHIP 1uF	16V	C606	1-164-227-11	CERAMIC CHIP 0.022uF 10%	25V
C307	1-165-128-11	CERAMIC CHIP 0.22uF	16V	C607	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C308	1-165-176-11	CERAMIC CHIP 0.047uF 10%	16V	C609	1-164-346-11	CERAMIC CHIP 1uF	16V
C309	1-165-176-11	CERAMIC CHIP 0.047uF 10%	16V	C610	1-128-528-11	ELECT 470uF 20%	16V
C310	1-164-346-11	CERAMIC CHIP 1uF	16V	C611	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V
C311	1-126-968-11	ELECT 100uF 20%	16V	C612	1-117-930-11	FILM CHIP 0.22uF 10%	100V
C312	1-162-970-11	CERAMIC CHIP 0.01uF 10%	25V	C613	1-107-526-11	CERAMIC CHIP 22PF 10%	3KV
				C614	1-128-528-11	ELECT 470uF 20%	16V
				C615	1-107-526-11	CERAMIC CHIP 22PF 10%	3KV
				C701	1-165-112-11	CERAMIC CHIP 0.33uF	16V

MONITOR MAIN

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C702	1-162-970-11	CERAMIC CHIP	0.01uF 10%			< FUSE >	
C703	1-164-346-11	CERAMIC CHIP	1uF				
C801	1-128-078-11	ELECT	33uF 20%	F501	1-576-318-21	FUSE, CHIP (800mA)	
C901	1-128-528-11	ELECT	470uF 20%	F601	1-533-922-21	FUSE, CHIP (1A)	
C902	1-164-506-11	CERAMIC CHIP	4.7uF	F901	1-533-950-11	FUSE, CHIP (2A)	
		< CONNECTOR >				< IC >	
CN1	1-695-022-21	PLUG, CONNECTOR	16P	IC102	8-759-462-41	IC BU2486-46-E2	
CN8	1-569-629-11	HOUSING, CONNECTOR	24P	IC103	8-759-293-00	IC TC74HC107AF(TP1)	
* CN101	1-580-057-11	PIN, CONNECTOR (SMD)	4P	IC201	8-759-450-52	IC IR3Y29B4	
* CN301	1-580-055-21	PIN, CONNECTOR (SMD)	2P	IC203	8-759-100-96	IC uPC4558G2	
* CN302	1-580-055-21	PIN, CONNECTOR (SMD)	2P	IC204	8-759-031-84	IC SC7S04F	
* CN601	1-766-311-21	PIN, CONNECTOR (PC BOARD)	2P	IC301	8-759-701-02	IC NJM2073M	
* CN602	1-766-311-21	PIN, CONNECTOR (PC BOARD)	2P	IC302	8-759-170-92	IC PQ09SZ1T	
		< DIODE >		IC303	8-759-701-02	IC NJM2073M	
D1	8-719-422-64	DIODE	MA8062-M	IC401	8-759-937-36	IC TL1451ACNS	
D2	8-719-404-50	DIODE	MA111-TX	IC601	8-759-337-40	IC NJM2904V(TE2)	
D101	8-719-422-64	DIODE	MA8062-M	IC701	8-759-337-40	IC NJM2904V(TE2)	
D104	8-719-941-86	DIODE	DAN202U			< COIL >	
D105	8-719-941-86	DIODE	DAN202U	L501	1-412-032-11	INDUCTOR CHIP	100uH
D106	8-719-422-64	DIODE	MA8062-M	L502	1-412-032-11	INDUCTOR CHIP	100uH
D107	8-719-422-64	DIODE	MA8062-M	L503	1-414-862-11	INDUCTOR	82uH
D108	8-719-422-64	DIODE	MA8062-M	L504	1-412-032-11	INDUCTOR CHIP	100uH
D109	8-719-422-64	DIODE	MA8062-M	L505	1-411-294-21	INDUCTOR	150uH
D110	8-719-941-23	DIODE	DA204U	L506	1-412-031-11	INDUCTOR CHIP	47uH
D111	8-719-422-64	DIODE	MA8062-M	L507	1-412-031-11	INDUCTOR CHIP	47uH
D112	8-719-422-64	DIODE	MA8062-M	L508	1-412-031-11	INDUCTOR CHIP	47uH
D113	8-719-422-64	DIODE	MA8062-M	L509	1-412-031-11	INDUCTOR CHIP	47uH
D201	8-719-422-64	DIODE	MA8062-M	L510	1-412-031-11	INDUCTOR CHIP	47uH
D202	8-719-422-64	DIODE	MA8062-M	L511	1-412-031-11	INDUCTOR CHIP	47uH
D203	8-719-422-64	DIODE	MA8062-M	L512	1-412-031-11	INDUCTOR CHIP	47uH
D204	8-719-422-64	DIODE	MA8062-M	L513	1-412-032-11	INDUCTOR CHIP	100uH
D301	8-719-422-64	DIODE	MA8062-M	L601	1-415-929-21	INDUCTOR	100uH
D302	8-719-422-64	DIODE	MA8062-M	L602	1-415-929-21	INDUCTOR	100uH
D502	8-719-941-09	DIODE	DAP202U	L603	1-415-929-21	INDUCTOR	100uH
D503	8-719-941-09	DIODE	DAP202U			< TRANSISTOR >	
D504	8-719-938-75	DIODE	SB05-05CP	Q101	8-729-028-97	TRANSISTOR	DTC114TUA-T106
D505	8-719-941-09	DIODE	DAP202U	Q102	8-729-028-83	TRANSISTOR	DTA124EUA-T106
D506	8-719-941-09	DIODE	DAP202U	Q103	8-729-907-00	TRANSISTOR	DTC114EU
D601	8-719-941-09	DIODE	DAP202U	Q104	8-729-907-00	TRANSISTOR	DTC114EU
D602	8-719-422-64	DIODE	MA8062-M	Q105	8-729-904-07	TRANSISTOR	FMG2
D603	8-719-422-76	DIODE	MA8075-M	Q207	8-729-026-51	TRANSISTOR	2SA1576A-T106-Q
D604	8-719-048-98	DIODE	RB160L-40TE25	Q208	8-729-140-75	TRANSISTOR	2SD999-CLCK
D605	8-719-048-98	DIODE	RB160L-40TE25	Q209	8-729-101-07	TRANSISTOR	2SB798-DL
D702	8-719-422-64	DIODE	MA8062-M	Q210	8-729-905-34	TRANSISTOR	2SC4081-Q
D801	8-719-404-50	DIODE	MA111-TX	Q502	8-729-026-51	TRANSISTOR	2SA1576A-T106-Q
D802	8-719-404-50	DIODE	MA111-TX	Q503	8-729-905-34	TRANSISTOR	2SC4081-Q
		< SOLAR BATTERY >		Q504	8-729-018-95	TRANSISTOR	2SD1803FAT-TL
D701	1-528-925-21	BATTERY, SOLAR (PS-0708)		Q601	8-729-015-87	TRANSISTOR	UMC3TR
				Q602	8-729-015-87	TRANSISTOR	UMC3TR
				Q603	8-729-907-00	TRANSISTOR	DTC114EU

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
Q604	8-729-905-34	TRANSISTOR 2SC4081-Q		R234	1-216-833-11	RES,CHIP 10K 5%	1/16W
Q605	8-729-907-00	TRANSISTOR DTC114EU		R235	1-216-840-11	METAL CHIP 39K 5%	1/16W
Q606	8-729-026-51	TRANSISTOR 2SA1576A-T106-Q		R236	1-216-833-11	RES,CHIP 10K 5%	1/16W
Q607	8-729-905-34	TRANSISTOR 2SC4081-Q		R237	1-216-821-11	METAL CHIP 1K 5%	1/16W
Q608	8-729-821-62	TRANSISTOR 2SB1203FAS		R238	1-218-292-11	RES,CHIP 20K 5%	1/16W
Q609	8-729-018-95	TRANSISTOR 2SD1803FAT-TL		R239	1-216-833-11	RES,CHIP 10K 5%	1/16W
Q610	8-729-018-95	TRANSISTOR 2SD1803FAT-TL		R240	1-216-836-11	METAL CHIP 18K 5%	1/16W
Q611	8-729-018-95	TRANSISTOR 2SD1803FAT-TL		R242	1-216-829-11	METAL CHIP 4.7K 5%	1/16W
Q801	8-729-026-51	TRANSISTOR 2SA1576A-T106-Q		R249	1-216-833-11	RES,CHIP 10K 5%	1/16W
Q802	8-729-905-34	TRANSISTOR 2SC4081-Q		R250	1-216-832-11	METAL CHIP 8.2K 5%	1/16W
< RESISTOR >				R251	1-216-833-11	RES,CHIP 10K 5%	1/16W
R103	1-216-821-11	METAL CHIP 1K 5%	1/16W	R252	1-218-292-11	RES,CHIP 20K 5%	1/16W
R104	1-216-829-11	METAL CHIP 4.7K 5%	1/16W	R253	1-216-833-11	RES,CHIP 10K 5%	1/16W
R105	1-216-817-11	METAL CHIP 470 5%	1/16W	R254	1-216-835-11	METAL CHIP 15K 5%	1/16W
R106	1-216-813-11	METAL CHIP 220 5%	1/16W	R255	1-216-835-11	METAL CHIP 15K 5%	1/16W
R107	1-216-831-11	METAL CHIP 6.8K 5%	1/16W	R256	1-216-797-11	METAL CHIP 10 5%	1/16W
R108	1-216-830-11	METAL CHIP 5.6K 5%	1/16W	R257	1-216-797-11	METAL CHIP 10 5%	1/16W
R109	1-216-817-11	METAL CHIP 470 5%	1/16W	R258	1-216-836-11	METAL CHIP 18K 5%	1/16W
R110	1-216-817-11	METAL CHIP 470 5%	1/16W	R259	1-218-293-11	RES,CHIP 24K 5%	1/16W
R111	1-216-817-11	METAL CHIP 470 5%	1/16W	R301	1-216-833-11	RES,CHIP 10K 5%	1/16W
R112	1-216-817-11	METAL CHIP 470 5%	1/16W	R302	1-162-969-11	CERAMIC CHIP 0.0068uF 10%	25V
R114	1-216-817-11	METAL CHIP 470 5%	1/16W	R303	1-218-269-11	RES,CHIP 360 5%	1/16W
R115	1-216-817-11	METAL CHIP 470 5%	1/16W	R304	1-216-829-11	METAL CHIP 4.7K 5%	1/16W
R118	1-216-833-11	RES,CHIP 10K 5%	1/16W	R305	1-216-829-11	METAL CHIP 4.7K 5%	1/16W
R119	1-216-833-11	RES,CHIP 10K 5%	1/16W	R306	1-216-799-11	METAL CHIP 15 5%	1/16W
R120	1-216-864-11	METAL CHIP 0 5%	1/16W	R307	1-218-269-11	RES,CHIP 360 5%	1/16W
R122	1-216-841-11	METAL CHIP 47K 5%	1/16W	R308	1-216-829-11	METAL CHIP 4.7K 5%	1/16W
R125	1-216-827-11	METAL CHIP 3.3K 5%	1/16W	R309	1-216-829-11	METAL CHIP 4.7K 5%	1/16W
R126	1-216-827-11	METAL CHIP 3.3K 5%	1/16W	R310	1-216-799-11	METAL CHIP 15 5%	1/16W
R127	1-216-829-11	METAL CHIP 4.7K 5%	1/16W	R311	1-216-807-11	METAL CHIP 68 5%	1/16W
R201	1-216-864-11	METAL CHIP 0 5%	1/16W	R312	1-216-807-11	METAL CHIP 68 5%	1/16W
R202	1-216-814-11	METAL CHIP 270 5%	1/16W	R315	1-216-833-11	RES,CHIP 10K 5%	1/16W
R203	1-216-864-11	METAL CHIP 0 5%	1/16W	R316	1-162-966-11	CERAMIC CHIP 0.0022uF 10%	50V
R204	1-216-814-11	METAL CHIP 270 5%	1/16W	R320	1-216-864-11	METAL CHIP 0 5%	1/16W
R205	1-216-864-11	METAL CHIP 0 5%	1/16W	R401	1-218-717-11	RES,CHIP 11K 5%	1/16W
R206	1-216-814-11	METAL CHIP 270 5%	1/16W	R402	1-216-827-11	METAL CHIP 3.3K 5%	1/16W
R207	1-216-864-11	METAL CHIP 0 5%	1/16W	R403	1-216-837-11	METAL CHIP 22K 5%	1/16W
R208	1-218-285-11	RES,CHIP 75 5%	1/16W	R404	1-216-827-11	METAL CHIP 3.3K 5%	1/16W
R210	1-216-864-11	METAL CHIP 0 5%	1/16W	R405	1-216-837-11	METAL CHIP 22K 5%	1/16W
R211	1-216-818-11	METAL CHIP 560 5%	1/16W	R406	1-216-837-11	METAL CHIP 22K 5%	1/16W
R222	1-216-809-11	METAL CHIP 100 5%	1/16W	R407	1-216-837-11	METAL CHIP 22K 5%	1/16W
R223	1-216-809-11	METAL CHIP 100 5%	1/16W	R408	1-216-840-11	METAL CHIP 39K 5%	1/16W
R224	1-216-809-11	METAL CHIP 100 5%	1/16W	R409	1-216-837-11	METAL CHIP 22K 5%	1/16W
R225	1-218-292-11	RES,CHIP 20K 5%	1/16W	R410	1-216-837-11	METAL CHIP 22K 5%	1/16W
R226	1-216-833-11	RES,CHIP 10K 5%	1/16W	R411	1-218-344-11	RES,CHIP 7.5K 5%	1/16W
R227	1-218-292-11	RES,CHIP 20K 5%	1/16W	R412	1-216-838-11	METAL CHIP 27K 5%	1/16W
R228	1-216-833-11	RES,CHIP 10K 5%	1/16W	R501	1-216-817-11	METAL CHIP 470 5%	1/16W
R229	1-216-840-11	METAL CHIP 39K 5%	1/16W	R502	1-216-839-11	METAL CHIP 33K 5%	1/16W
R230	1-216-833-11	RES,CHIP 10K 5%	1/16W	R503	1-216-839-11	METAL CHIP 33K 5%	1/16W
R231	1-218-290-11	RES,CHIP 6.2K 5%	1/16W	R504	1-216-037-00	METAL CHIP 330 5%	1/10W
R232	1-220-158-11	RES,CHIP 3.6K 5%	1/16W	R520	1-216-037-00	METAL CHIP 330 5%	1/10W
R233	1-216-840-11	METAL CHIP 39K 5%	1/16W	R601	1-216-829-11	METAL CHIP 4.7K 5%	1/16W
				R602	1-216-833-11	RES,CHIP 10K 5%	1/16W

MONITOR MAIN

MONITOR SUB

TUNER MAIN

Ref. No.	Part No.	Description	Remark
R603	1-216-826-11	METAL CHIP 2.7K 5%	1/16W
R604	1-216-853-11	METAL CHIP 470K 5%	1/16W
R605	1-216-829-11	METAL CHIP 4.7K 5%	1/16W
R606	1-216-797-11	METAL CHIP 10 5%	1/16W
R609	1-216-833-11	RES,CHIP 10K 5%	1/16W
R610	1-216-817-11	METAL CHIP 470 5%	1/16W
R612	1-216-817-11	METAL CHIP 470 5%	1/16W
R613	1-216-817-11	METAL CHIP 470 5%	1/16W
R614	1-216-813-11	METAL CHIP 220 5%	1/16W
R615	1-216-200-11	RES,CHIP 1.2K 5%	1/8W
R616	1-216-200-11	RES,CHIP 1.2K 5%	1/8W
R617	1-216-837-11	METAL CHIP 22K 5%	1/16W
R618	1-216-828-11	METAL CHIP 3.9K 5%	1/16W
R619	1-216-818-11	METAL CHIP 560 5%	1/16W
R620	1-216-826-11	METAL CHIP 2.7K 5%	1/16W
R701	1-216-860-11	RES,CHIP 1.8M 5%	1/16W
R702	1-216-809-11	METAL CHIP 100 5%	1/16W
R703	1-216-841-11	METAL CHIP 47K 5%	1/16W
R704	1-216-821-11	METAL CHIP 1K 5%	1/16W
R801	1-216-839-11	METAL CHIP 33K 5%	1/16W
R802	1-216-839-11	METAL CHIP 33K 5%	1/16W
R803	1-216-833-11	RES,CHIP 10K 5%	1/16W
R804	1-216-825-11	METAL CHIP 2.2K 5%	1/16W
R805	1-216-821-11	METAL CHIP 1K 5%	1/16W
< VARIABLE RESISTOR >			
RV201	1-238-088-11	RES, ADJ, CERMET 2.2K	
RV207	1-238-092-11	RES, ADJ, CERMET 47K	
RV208	1-238-092-11	RES, ADJ, CERMET 47K	
RV209	1-238-092-11	RES, ADJ, CERMET 47K	
RV210	1-238-092-11	RES, ADJ, CERMET 47K	
RV211	1-238-090-11	RES, ADJ, CERMET 10K	
RV212	1-238-092-11	RES, ADJ, CERMET 47K	
RV213	1-238-092-11	RES, ADJ, CERMET 47K	
RV214	1-216-296-00	SHORT 0	
RV401	1-238-088-11	RES, ADJ, CERMET 2.2K	
RV601	1-238-087-11	RES, ADJ, CERMET 1K	
< SWITCH >			
S1	1-692-088-51	SWITCH, TACTILE (POWER)	
S101	1-692-088-51	SWITCH, TACTILE (NAVI)	
S102	1-692-088-51	SWITCH, TACTILE (TV/VIDEO)	
S103	1-692-088-51	SWITCH, TACTILE (SEARCH +)	
S104	1-692-088-51	SWITCH, TACTILE (SEARCH -)	
S105	1-692-088-51	SWITCH, TACTILE (SELECT)	
S107	1-572-499-11	SWITCH, TACTILE (VOL +)	
S108	1-572-499-11	SWITCH, TACTILE (VOL -)	
S701	1-572-834-21	SWITCH, SLIDE (DIMMER)	
< TRANSFORMER >			
T501	1-431-250-11	TRANSFORMER, DC-DC CONVERTER	
T601	1-431-306-11	TRANSFORMER, INVERTER	
T602	1-431-306-11	TRANSFORMER, INVERTER	

Ref. No.	Part No.	Description	Remark
< VIBRATOR >			
X101	1-767-037-21	OSCILLATOR, CERAMIC (480kHz)	

*	1-666-548-11	MONITOR SUB BOARD	

< CAPACITOR >			
C101	1-162-970-11	CERAMIC CHIP 0.01uF 10% 25V	
< DIODE >			
D102	8-719-987-02	LED CL-140PG-CD (POWER)	
< IC >			
IC101	8-749-925-07	IC RS-30E-T	
< RESISTOR >			
R102	1-216-818-11	METAL CHIP 560 5% 1/16W	

*	9-884-239-01	TUNER MAIN BOARD, COMPLETE (CN)	
*	9-884-245-01	TUNER MAIN BOARD, COMPLETE (US)	

< DELAY LINE >			
1HDL	1-415-313-00	DELAY LINE (1H) (CH)	
< CAPACITOR >			
C1	1-128-268-11	ELECT 3300uF 20% 16V	
C2	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C3	1-163-021-11	CERAMIC CHIP 0.01uF 10% 50V	
C4	1-164-346-11	CERAMIC CHIP 1uF 16V	
C5	1-124-589-11	ELECT 47uF 20% 16V	
C6	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C8	1-163-021-11	CERAMIC CHIP 0.01uF 10% 50V	
C9	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C10	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C11	1-126-925-11	ELECT 470uF 20% 10V	
C12	1-124-589-11	ELECT 47uF 20% 16V	
C13	1-126-163-11	ELECT 4.7uF 20% 50V	
C14	1-126-163-11	ELECT 4.7uF 20% 50V	
C15	1-104-942-11	ELECT 1uF 20% 50V	
C16	1-163-037-11	CERAMIC CHIP 0.022uF 10% 25V	(CN)
C16	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	(US)
C20	1-126-157-11	ELECT 10uF 20% 16V	(CN)
C20	1-126-933-11	ELECT 100uF 20% 16V	(US)
C21	1-124-589-11	ELECT 47uF 20% 16V	(CN)
C22	1-124-247-11	ELECT 10uF 20% 35V	

TUNER MAIN

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C23	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V	C72	1-126-163-11	ELECT	4.7uF 20% 25V
C24	1-163-009-11	CERAMIC CHIP	0.001uF 10% 50V	C74	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V
			(US)	C75	1-163-237-11	CERAMIC CHIP	27PF 5% 50V
C25	1-163-009-11	CERAMIC CHIP	0.001uF 10% 50V	C76	1-163-237-11	CERAMIC CHIP	27PF 5% 50V
			(US)	C77	1-163-251-11	CERAMIC CHIP	100PF 5% 50V
C26	1-164-004-11	CERAMIC CHIP	0.1uF 10% 25V	C78	1-163-251-11	CERAMIC CHIP	100PF 5% 50V
			(US)	C89	1-163-251-11	CERAMIC CHIP	100PF 5% 50V
C30	1-163-222-11	CERAMIC CHIP	5PF 0.5PF 50V	C90	1-163-135-00	CERAMIC CHIP	560PF 5% 50V
			(CN)				(CN)
C30	1-164-161-11	CERAMIC CHIP	0.0022uF 10% 100V	C91	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V
			(US)	C92	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V
C31	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V	C93	1-124-234-00	ELECT	22uF 20% 16V
			(US)	C94	1-164-346-11	CERAMIC CHIP	1uF 16V
C31	1-163-222-11	CERAMIC CHIP	5PF 0.5PF 50V	C96	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V
			(CN)				(CN)
C32	1-163-104-00	CERAMIC CHIP	30PF 5% 50V	C96	1-163-037-11	CERAMIC CHIP	0.022uF 10% 25V
			(CN)				(US)
C33	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V	C98	1-164-004-11	CERAMIC CHIP	0.1uF 10% 25V
			(US)				(CN)
C33	1-163-089-00	CERAMIC CHIP	6PF 0.5PF 50V	C98	1-164-489-11	CERAMIC CHIP	0.22uF 10% 16V
			(CN)				(US)
C34	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V	C100	1-164-346-11	CERAMIC CHIP	1uF 16V
			(US)	C101	1-164-346-11	CERAMIC CHIP	1uF 16V
C34	1-163-089-00	CERAMIC CHIP	6PF 0.5PF 50V	C102	1-163-135-00	CERAMIC CHIP	560PF 5% 50V
			(CN)				(US)
C35	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V	C103	1-163-135-00	CERAMIC CHIP	560PF 5% 50V
			(US)				(US)
C35	1-163-245-11	CERAMIC CHIP	56PF 5% 50V				(CN)
			(CN)	C104	1-164-346-11	CERAMIC CHIP	1uF 16V
C36	1-163-251-11	CERAMIC CHIP	100PF 5% 50V	C105	1-164-346-11	CERAMIC CHIP	1uF 16V
C38	1-163-251-11	CERAMIC CHIP	100PF 5% 50V	C106	1-164-346-11	CERAMIC CHIP	1uF 16V
C40	1-164-004-11	CERAMIC CHIP	0.1uF 10% 25V	C107	1-164-346-11	CERAMIC CHIP	1uF 16V
			(US)	C108	1-164-004-11	CERAMIC CHIP	0.1uF 10% 25V
C41	1-104-942-11	ELECT	1uF 20% 50V	C109	1-124-234-00	ELECT	22uF 20% 16V
C42	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V	C110	1-164-346-11	CERAMIC CHIP	1uF 16V
C43	1-126-933-11	ELECT	100uF 20% 16V	C111	1-163-125-00	CERAMIC CHIP	220PF 5% 50V
C45	1-163-107-00	CERAMIC CHIP	39PF 5% 50V	C112	1-164-346-11	CERAMIC CHIP	1uF 16V
			(CN)	C113	1-163-125-00	CERAMIC CHIP	220PF 5% 50V
C45	1-163-109-00	CERAMIC CHIP	47PF 5% 50V	C114	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V
			(US)	C115	1-164-346-11	CERAMIC CHIP	1uF 16V
C46	1-124-465-00	ELECT	0.47uF 20% 50V	C116	1-164-346-11	CERAMIC CHIP	1uF 16V
C47	1-163-104-00	CERAMIC CHIP	30PF 5% 50V	C117	1-124-234-00	ELECT	22uF 20% 16V
			(CN)	C118	1-164-346-11	CERAMIC CHIP	1uF 16V
C47	1-163-235-11	CERAMIC CHIP	22PF 5% 50V	C119	1-163-135-00	CERAMIC CHIP	560PF 5% 50V
			(US)	C120	1-164-004-11	CERAMIC CHIP	0.1uF 10% 25V
C48	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V	C121	1-126-157-11	ELECT	10uF 20% 16V
C49	1-126-163-11	ELECT	4.7uF 20% 25V	C122	1-163-251-11	CERAMIC CHIP	100PF 5% 50V
C50	1-163-809-11	CERAMIC CHIP	0.047uF 10% 25V	C123	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V
C51	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V	C130	1-164-346-11	CERAMIC CHIP	1uF 16V
C52	1-126-961-11	ELECT	2.2uF 20% 50V	C131	1-164-161-11	CERAMIC CHIP	0.0022uF 10% 100V
C53	1-163-109-00	CERAMIC CHIP	47PF 5% 50V	C132	1-164-346-11	CERAMIC CHIP	1uF 16V
			(CN)	C133	1-163-135-00	CERAMIC CHIP	560PF 5% 50V
C55	1-126-163-11	ELECT	4.7uF 20% 25V	C134	1-104-942-11	ELECT	1uF 20% 50V
C69	1-163-104-00	CERAMIC CHIP	30PF 5% 50V	C136	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V
C70	1-163-109-00	CERAMIC CHIP	47PF 5% 50V	C137	1-126-157-11	ELECT	10uF 20% 16V
C71	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V				

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Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C138	1-163-135-00	CERAMIC CHIP	560PF 5% 50V	C199	1-126-513-11	ELECT	47uF 20% 6.3V
C139	1-126-162-11	ELECT	3.3uF 20% 50V	C200	1-163-251-11	CERAMIC CHIP	100PF 5% 50V
C140	1-163-016-00	CERAMIC CHIP	0.0039uF 10% 50V	C201	1-164-346-11	CERAMIC CHIP	1uF 16V
C141	1-126-157-11	ELECT	10uF 20% 16V	C202	1-163-251-11	CERAMIC CHIP	100PF 5% 50V
C157	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V	C203	1-164-346-11	CERAMIC CHIP	1uF 16V
C158	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V	C204	1-104-942-11	ELECT	1uF 20% 50V
C159	1-163-133-00	CERAMIC CHIP	470PF 5% 50V	C204	1-126-961-11	ELECT	2.2uF 20% 50V (CN)
C160	1-126-157-11	ELECT	10uF 20% 16V	C205	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V (US)
C161	1-126-157-11	ELECT	10uF 20% 16V	C206	1-126-163-11	ELECT	4.7uF 20% 25V
C162	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V (CN)	C207	1-126-157-11	ELECT	10uF 20% 16V
C163	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V (CN)	C208	1-124-234-00	ELECT	22uF 20% 16V
C164	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V	C213	1-126-157-11	ELECT	10uF 20% 16V
C165	1-163-227-11	CERAMIC CHIP	10PF 0.5PF 50V	C214	1-126-157-11	ELECT	10uF 20% 16V
C166	1-163-113-00	CERAMIC CHIP	68PF 5% 50V	C215	1-126-157-11	ELECT	10uF 20% 16V
C167	1-163-104-00	CERAMIC CHIP	30PF 5% 50V (CN)	C220	1-163-251-11	CERAMIC CHIP	100PF 5% 50V
C168	1-164-346-11	CERAMIC CHIP	1uF 16V	C221	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V
C169	1-164-004-11	CERAMIC CHIP	0.1uF 10% 25V	C222	1-126-163-11	ELECT	4.7uF 20% 25V
C170	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V	C223	1-164-346-11	CERAMIC CHIP	1uF 16V
C171	1-124-589-11	ELECT	47uF 20% 16V (US)	C224	1-164-346-11	CERAMIC CHIP	1uF 16V
C171	1-126-163-11	ELECT	4.7uF 20% 25V (CN)	C225	1-104-942-11	ELECT	1uF 20% 50V (CN)
C172	1-124-234-00	ELECT	22uF 20% 16V	C225	1-126-961-11	ELECT	2.2uF 20% 50V (US)
C173	1-104-942-11	ELECT	1uF 20% 50V	C226	1-126-157-11	ELECT	10uF 20% 16V
C174	1-163-809-11	CERAMIC CHIP	0.047uF 10% 25V	C227	1-126-513-11	ELECT	47uF 20% 6.3V
C175	1-126-163-11	ELECT	4.7uF 20% 25V	C228	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V (CN)
C176	1-107-823-11	CERAMIC CHIP	0.47uF 10% 16V	C229	1-126-513-11	ELECT	47uF 20% 6.3V (CN)
C177	1-107-823-11	CERAMIC CHIP	0.47uF 10% 16V	C230	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V
C178	1-163-121-00	CERAMIC CHIP	150PF 5% 50V	C231	1-126-513-11	ELECT	47uF 20% 6.3V
C179	1-126-925-11	ELECT	470uF 20% 10V	C232	1-126-513-11	ELECT	47uF 20% 6.3V
C180	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V	C233	1-126-513-11	ELECT	47uF 20% 6.3V
C181	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V	C242	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V
C182	1-126-925-11	ELECT	470uF 20% 10V	C243	1-163-237-11	CERAMIC CHIP	27PF 5% 50V
C183	1-126-925-11	ELECT	470uF 20% 10V	C244	1-163-237-11	CERAMIC CHIP	27PF 5% 50V
C184	1-126-925-11	ELECT	470uF 20% 10V	C245	1-126-925-11	ELECT	470uF 20% 10V
C185	1-163-809-11	CERAMIC CHIP	0.047uF 10% 25V	C246	1-126-961-11	ELECT	2.2uF 20% 50V (US)
C186	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V	C250	1-164-346-11	CERAMIC CHIP	1uF 16V
C188	1-163-809-11	CERAMIC CHIP	0.047uF 10% 25V	C251	1-163-809-11	CERAMIC CHIP	0.047uF 10% 25V
C189	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V	C252	1-163-809-11	CERAMIC CHIP	0.047uF 10% 25V
C190	1-126-513-11	ELECT	47uF 20% 6.3V	C253	1-124-234-00	ELECT	22uF 20% 16V
C191	1-163-251-11	CERAMIC CHIP	100PF 5% 50V	C254	1-164-161-11	CERAMIC CHIP	0.0022uF 10% 100V
C192	1-164-346-11	CERAMIC CHIP	1uF 16V	C255	1-164-004-11	CERAMIC CHIP	0.1uF 10% 25V
C193	1-163-251-11	CERAMIC CHIP	100PF 5% 50V	C256	1-164-004-11	CERAMIC CHIP	0.1uF 10% 25V
C194	1-164-346-11	CERAMIC CHIP	1uF 16V	C257	1-164-161-11	CERAMIC CHIP	0.0022uF 10% 100V
C195	1-104-942-11	ELECT	1uF 20% 50V (CN)	C258	1-163-986-00	CERAMIC CHIP	0.027uF 10% 25V
C195	1-126-961-11	ELECT	2.2uF 20% 50V (US)	C259	1-164-004-11	CERAMIC CHIP	0.1uF 10% 25V
C196	1-163-021-11	CERAMIC CHIP	0.01uF 10% 50V	C260	1-107-823-11	CERAMIC CHIP	0.47uF 10% 16V
C197	1-126-163-11	ELECT	4.7uF 20% 25V	C261	1-126-934-11	ELECT	220uF 20% 16V
C198	1-126-157-11	ELECT	10uF 20% 16V	C263	1-126-767-11	ELECT	1000uF 20% 16V

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Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description	Remark
C282	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V			< COIL >	
					(CN)				
C288	1-104-942-11	ELECT	1uF	20%	50V	DAT	1-416-650-11	COIL (WITH CORE) (CN)	
C294	1-164-346-11	CERAMIC CHIP	1uF		16V			< DELAY LINE >	
C295	1-164-346-11	CERAMIC CHIP	1uF		16V				
C296	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	DL2	1-416-403-11	DELAY LINE	
C297	1-163-137-00	CERAMIC CHIP	680PF	5%	50V			< FERRITE BEAD >	
					< FILTER >				
CF1	1-409-332-00	TRAP, CERAMIC (4.5MHz) (US)				FB1	1-410-397-21	FERRITE BEAD INDUCTOR 1.1uH	
CF1	1-760-728-11	TRAP, CERAMIC (CN)						< FUSE >	
CF2	1-527-943-00	FILTER, CERAMIC (4.5MHz) (US)							
CF2	1-567-101-11	FILTER, CERAMIC (6.5MHz) (CN)				FU1	9-939-529-01	FUSE (3.15A)	
CF3	1-567-100-11	FILTER, CERAMIC (6MHz) (CN)						< IC >	
					< CONNECTOR >	IC1	9-882-911-01	IC PST9145NR	
CN2	1-764-631-11	PLUG, CONNECTOR (NAVI IN SONY NAVI (NVX))				IC2	9-882-912-01	IC BA17805FP	
CN3	1-764-632-21	PLUG, CONNECTOR 16P (MONITOR OUT)				IC3	8-759-945-44	IC BA6161F	
CN4	1-569-216-11	CONNECTOR 5P (POWER)				IC4	8-759-394-36	IC BA09T (US)	
					< DIODE >	IC4	8-759-701-59	IC NJM78M09FA (CN)	
D1	8-719-023-54	DIODE EA60QC06-F				IC12	9-884-242-01	IC M37210M3 (CN)	
D2	8-719-988-61	DIODE 1SS355TE-17				IC12	9-884-247-01	IC M37210M3 (US)	
D3	8-719-056-83	DIODE UDZ-TE-17-6.8B				IC13	9-882-914-01	IC LA7565EM	
D4	8-719-158-15	DIODE RD5.6SB				IC14	8-759-089-61	IC TC74HC4052AFS(EL)	
D5	8-719-978-69	DIODE DTZ-TT11-16B				IC15	8-759-100-96	IC uPC4558G2	
D6	8-719-914-44	DIODE DAP202K				IC16	9-882-915-01	IC M5282FP	
D20	8-719-978-96	DIODE DTZ-TT11-33A				IC17	8-759-098-00	IC MM1108XF	
D30	8-719-971-05	DIODE HSM123				IC18	8-759-300-71	IC HD14053BFP	
D31	8-719-056-74	DIODE UDZ-TE-17-3.0B				IC19	8-759-088-00	IC MM1114XF (CN)	
D40	8-719-026-18	DIODE MA3091WK				IC19	8-759-287-89	IC MM1113XFF (US)	
D41	8-719-026-18	DIODE MA3091WK				IC20	8-759-433-44	IC MM1031XF (US)	
D42	8-719-026-18	DIODE MA3091WK				IC21	8-759-256-59	IC HD74HC00FP	
D43	8-719-026-18	DIODE MA3091WK				IC22	8-759-242-68	IC TC7W32F	
D50	8-719-026-18	DIODE MA3091WK				IC23	8-759-234-20	IC TC7S08F	
D51	8-719-026-18	DIODE MA3091WK				IC24	8-752-058-96	IC CXA1585Q	
D55	8-719-988-61	DIODE 1SS355TE-17 (CN)				IC25	8-759-300-71	IC HD14053BFP	
D60	8-719-056-83	DIODE UDZ-TE-17-6.8B (CN)				IC26	8-759-300-71	IC HD14053BFP	
D60	8-719-066-17	DIODE FTZ6.8E-T148 (US)				IC27	8-759-048-67	IC BA3121F	
D61	8-719-056-83	DIODE UDZ-TE-17-6.8B (CN)				IC28	8-759-048-67	IC BA3121F	
D62	8-719-056-83	DIODE UDZ-TE-17-6.8B (CN)				IC29	8-759-048-67	IC BA3121F	
D63	8-719-056-83	DIODE UDZ-TE-17-6.8B (CN)				IC30	8-759-358-46	IC MM1114XFBE (CN)	
D65	8-719-056-83	DIODE UDZ-TE-17-6.8B				IC31	8-759-041-30	IC MSM5258M-K-R4	
D66	8-719-056-83	DIODE UDZ-TE-17-6.8B				IC33	8-759-246-44	IC TA2005SN	
D67	8-719-026-18	DIODE MA3091WK (CH)				IC50	8-759-248-67	IC AT24C01-10SC	
D70	8-719-056-83	DIODE UDZ-TE-17-6.8B (CN)						< JACK >	
D70	8-719-066-17	DIODE FTZ6.8E-T148 (US)				J1	1-573-798-21	JACK, MINIATURE (DIA.3.5) (ANT IN)	
D71	8-719-056-83	DIODE UDZ-TE-17-6.8B (CN)				J5	1-580-442-11	JACK, PIN 3P (INPUT1 VIDEO/AUDIO)	
D72	8-719-056-83	DIODE UDZ-TE-17-6.8B (CN)				J6	1-580-442-11	JACK, PIN 3P (INPUT2 VIDEO/AUDIO)	
D73	8-719-056-83	DIODE UDZ-TE-17-6.8B (CN)				J8	1-778-070-11	JACK, PIN 3P (OUTPUT VIDEO/AUDIO)	
D74	8-719-056-83	DIODE UDZ-TE-17-6.8B				J10	9-939-527-01	JACK, PIN 2P (NAVI IN VIDEO/AUDIO)	
D75	8-719-056-94	DIODE UDZ-TE-17-20B							
D78	8-719-056-83	DIODE UDZ-TE-17-6.8B (CN)							

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Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
		< CORD >					
JP1	9-939-916-01	CORD (WITH PHONO PLUG)		Q72	8-729-027-31	TRANSISTOR DTA124EKA-T146	
		< COIL >		Q73	8-729-027-52	TRANSISTOR DTC124EKA-T146	
L1	1-421-961-41	COIL, CHOKE 450uH		Q77	8-729-901-47	TRANSISTOR DTA143EK	
L2	1-408-989-21	INDUCTOR 470uH		Q78	8-729-027-31	TRANSISTOR DTA124EKA-T146	
L3	1-410-771-11	INDUCTOR 4.7mH		Q79	8-729-900-53	TRANSISTOR DTC114EK	
L20	1-408-969-21	INDUCTOR 8.2uH (CN)		Q80	8-729-900-53	TRANSISTOR DTC114EK	
L20	1-408-975-21	INDUCTOR 27uH (US)		Q81	8-729-900-53	TRANSISTOR DTC114EK	
L21	1-408-969-21	INDUCTOR 8.2uH (CN)		Q90	8-729-016-77	TRANSISTOR 2SC2412KLN-R	
L21	1-410-988-42	INDUCTOR 0.39uH (US)		Q91	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R (CN)	
L22	1-408-969-21	INDUCTOR 8.2uH (CN)		Q92	8-729-016-77	TRANSISTOR 2SC2412KLN-R (CN)	
L22	1-408-975-21	INDUCTOR 27uH (US)		Q96	8-729-901-00	TRANSISTOR DTC124EK	
L24	1-408-969-21	INDUCTOR 8.2uH (CN)		Q97	8-729-901-00	TRANSISTOR DTC124EK	
L24	1-408-972-21	INDUCTOR 15uH (US)		Q100	8-729-900-53	TRANSISTOR DTC114EK (CN)	
L27	1-408-975-21	INDUCTOR 27uH (CN)		Q101	8-729-900-53	TRANSISTOR DTC114EK (CN)	
L30	1-414-161-21	INDUCTOR 1mH		Q103	8-729-016-77	TRANSISTOR 2SC2412KLN-R	
L31	1-414-161-21	INDUCTOR 1mH		Q106	8-729-027-31	TRANSISTOR DTA124EKA-T146 (CN)	
L40	1-408-978-21	INDUCTOR 47uH		Q127	8-729-027-59	TRANSISTOR DTC144EKA-T146 (CN)	
L50	1-408-978-21	INDUCTOR 47uH		Q128	8-729-016-77	TRANSISTOR 2SC2412KLN-R (CN)	
L51	1-408-975-21	INDUCTOR 27uH		Q129	8-729-900-53	TRANSISTOR DTC114EK (CN)	
L82	1-408-969-21	INDUCTOR 8.2uH (CN)				< RESISTOR >	
L93	1-408-978-21	INDUCTOR 47uH		R1	1-216-057-00	METAL CHIP 2.2K 5% 1/10W	
L94	1-408-969-21	INDUCTOR 8.2uH		R2	1-216-037-00	METAL CHIP 330 5% 1/10W	
		< TRANSISTOR >		R3	1-216-057-00	METAL CHIP 2.2K 5% 1/10W	
Q1	8-729-016-77	TRANSISTOR 2SC2412KLN-R		R4	1-216-090-00	RES,CHIP 51K 5% 1/10W	
Q2	8-729-035-48	TRANSISTOR 2SB1482R		R5	1-216-089-00	RES,CHIP 47K 5% 1/10W	
Q3	8-729-900-53	TRANSISTOR DTC114EK		R6	1-216-073-00	METAL CHIP 10K 5% 1/10W	
Q4	8-729-016-77	TRANSISTOR 2SC2412KLN-R		R7	1-220-271-11	METAL CHIP 560 5% 1/2W	
Q10	8-729-027-31	TRANSISTOR DTA124EKA-T146		R8	1-216-041-11	METAL CHIP 470 5% 1/10W	
Q20	8-729-016-77	TRANSISTOR 2SC2412KLN-R (CN)		R9	1-216-057-00	METAL CHIP 2.2K 5% 1/10W	
Q20	8-729-102-06	TRANSISTOR 2SC2223-F12 (US)		R10	1-216-073-00	METAL CHIP 10K 5% 1/10W	
Q21	8-729-900-53	TRANSISTOR DTC114EK (CN)		R11	1-216-381-11	METAL OXIDE 8.2 5% 2W F (US)	
Q22	8-729-016-77	TRANSISTOR 2SC2412KLN-R (CN)		R11	1-218-050-11	METAL OXIDE 10 5% 2W F (CN)	
Q23	8-729-900-53	TRANSISTOR DTC114EK (CN)		R12	1-216-051-00	METAL CHIP 1.2K 5% 1/10W	
Q24	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R13	1-216-049-11	RES,CHIP 1K 5% 1/10W (US)	
Q30	8-729-016-77	TRANSISTOR 2SC2412KLN-R		R13	1-216-067-00	METAL CHIP 5.6K 5% 1/10W (CN)	
Q31	8-729-016-77	TRANSISTOR 2SC2412KLN-R		R23	1-216-073-00	METAL CHIP 10K 5% 1/10W	
Q32	8-729-016-77	TRANSISTOR 2SC2412KLN-R		R30	1-216-015-00	RES,CHIP 39 5% 1/10W (CN)	
Q33	8-729-027-59	TRANSISTOR DTC144EKA-T146		R30	1-216-021-00	METAL CHIP 68 5% 1/10W (US)	
Q35	8-729-027-31	TRANSISTOR DTA124EKA-T146		R31	1-216-017-00	RES,CHIP 47 5% 1/10W (CN)	
Q40	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R		R31	1-216-051-00	METAL CHIP 1.2K 5% 1/10W (US)	
Q41	8-729-027-44	TRANSISTOR DTC114TKA-T146 (US)		R32	1-216-035-00	RES,CHIP 270 5% 1/10W (US)	
Q41	8-729-027-59	TRANSISTOR DTC144EKA-T146 (CN)		R32	1-216-081-00	METAL CHIP 22K 5% 1/10W (CN)	
Q42	8-729-016-77	TRANSISTOR 2SC2412KLN-R		R33	1-216-019-00	RES,CHIP 56 5% 1/10W (US)	
Q53	8-729-900-53	TRANSISTOR DTC114EK					
Q60	8-729-016-77	TRANSISTOR 2SC2412KLN-R					
Q61	8-729-016-77	TRANSISTOR 2SC2412KLN-R					
Q62	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R					
Q63	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R					
Q64	8-729-026-49	TRANSISTOR 2SA1037AK-T146-R					

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<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>			<u>Remark</u>	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>			<u>Remark</u>
R33	1-216-049-11	RES,CHIP	1K	5%	1/10W (CN)	R75	1-216-041-11	METAL CHIP	470	5%	1/10W
R34	1-216-035-00	RES,CHIP	270	5%	1/10W (US)	R76	1-216-089-00	RES,CHIP	47K	5%	1/10W (US)
R34	1-216-081-00	METAL CHIP	22K	5%	1/10W (CN)	R77	1-216-089-00	RES,CHIP	47K	5%	1/10W (US)
R35	1-216-049-11	RES,CHIP	1K	5%	1/10W	R78	1-216-041-11	METAL CHIP	470	5%	1/10W
R36	1-216-049-11	RES,CHIP	1K	5%	1/10W (US)	R79	1-216-041-11	METAL CHIP	470	5%	1/10W
R40	1-216-689-11	METAL CHIP	39K	0.5%	1/10W	R80	1-216-089-00	RES,CHIP	47K	5%	1/10W
R41	1-216-041-11	METAL CHIP	470	5%	1/10W (CN)	R81	1-216-041-11	METAL CHIP	470	5%	1/10W
R41	1-216-043-00	RES,CHIP	560	5%	1/10W (US)	R82	1-216-089-00	RES,CHIP	47K	5%	1/10W
R42	1-216-033-00	METAL CHIP	220	5%	1/10W (CN)	R83	1-216-025-00	RES,CHIP	100	5%	1/10W
R42	1-216-037-00	METAL CHIP	330	5%	1/10W (US)	R84	1-216-089-00	RES,CHIP	47K	5%	1/10W
R43	1-216-029-00	METAL CHIP	150	5%	1/10W	R85	1-216-073-00	METAL CHIP	10K	5%	1/10W
R44	1-216-095-00	METAL CHIP	82K	5%	1/10W	R86	1-216-089-00	RES,CHIP	47K	5%	1/10W
R45	1-216-689-11	METAL CHIP	39K	0.5%	1/10W	R87	1-216-065-00	RES,CHIP	4.7K	5%	1/10W
R46	1-216-089-00	RES,CHIP	47K	5%	1/10W	R88	1-216-065-00	RES,CHIP	4.7K	5%	1/10W
R47	1-216-067-00	METAL CHIP	5.6K	5%	1/10W (CN)	R89	1-216-089-00	RES,CHIP	47K	5%	1/10W (US)
R47	1-216-081-00	METAL CHIP	22K	5%	1/10W (US)	R90	1-216-089-00	RES,CHIP	47K	5%	1/10W
R48	1-216-079-00	METAL CHIP	18K	5%	1/10W (US)	R91	1-216-089-00	RES,CHIP	47K	5%	1/10W
R48	1-216-083-00	METAL CHIP	27K	5%	1/10W (CN)	R92	1-216-089-00	RES,CHIP	47K	5%	1/10W
R49	1-216-069-11	METAL CHIP	6.8K	5%	1/10W (CN)	R93	1-216-089-00	RES,CHIP	47K	5%	1/10W (US)
R49	1-216-081-00	METAL CHIP	22K	5%	1/10W (US)	R94	1-216-089-00	RES,CHIP	47K	5%	1/10W
R50	1-216-075-00	METAL CHIP	12K	5%	1/10W	R95	1-216-089-00	RES,CHIP	47K	5%	1/10W
R51	1-216-051-00	METAL CHIP	1.2K	5%	1/10W (US)	R96	1-216-089-00	RES,CHIP	47K	5%	1/10W
R51	1-216-055-00	METAL CHIP	1.8K	5%	1/10W (CN)	R97	1-216-089-00	RES,CHIP	47K	5%	1/10W
R52	1-216-033-00	METAL CHIP	220	5%	1/10W	R99	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R53	1-216-029-00	METAL CHIP	150	5%	1/10W (US)	R100	1-216-105-00	RES,CHIP	220K	5%	1/10W
R53	1-216-031-00	METAL CHIP	180	5%	1/10W (CN)	R102	1-216-021-00	METAL CHIP	68	5%	1/10W
R54	1-216-029-00	METAL CHIP	150	5%	1/10W	R103	1-216-081-00	METAL CHIP	22K	5%	1/10W
R55	1-216-061-00	METAL CHIP	3.3K	5%	1/10W	R104	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R56	1-216-073-00	METAL CHIP	10K	5%	1/10W	R105	1-216-049-11	RES,CHIP	1K	5%	1/10W
R63	1-216-025-00	RES,CHIP	100	5%	1/10W	R107	1-216-065-00	RES,CHIP	4.7K	5%	1/10W (US)
R70	1-216-041-11	METAL CHIP	470	5%	1/10W (CN)	R107	1-216-079-00	METAL CHIP	18K	5%	1/10W (CN)
R70	1-216-089-00	RES,CHIP	47K	5%	1/10W (US)	R109	1-216-089-00	RES,CHIP	47K	5%	1/10W (CN)
R71	1-216-041-11	METAL CHIP	470	5%	1/10W	R109	1-216-095-00	METAL CHIP	82K	5%	1/10W (US)
R72	1-216-041-11	METAL CHIP	470	5%	1/10W	R110	1-216-089-00	RES,CHIP	47K	5%	1/10W
R73	1-216-041-11	METAL CHIP	470	5%	1/10W	R111	1-216-089-00	RES,CHIP	47K	5%	1/10W
R74	1-216-041-11	METAL CHIP	470	5%	1/10W	R112	1-216-089-00	RES,CHIP	47K	5%	1/10W
						R113	1-216-089-00	RES,CHIP	47K	5%	1/10W
						R114	1-216-073-00	METAL CHIP	10K	5%	1/10W
						R115	1-216-689-11	METAL CHIP	39K	0.5%	1/10W
						R116	1-216-689-11	METAL CHIP	39K	0.5%	1/10W
						R117	1-216-081-00	METAL CHIP	22K	5%	1/10W
						R118	1-216-081-00	METAL CHIP	22K	5%	1/10W
						R123	1-216-089-00	RES,CHIP	47K	5%	1/10W
						R124	1-216-089-00	RES,CHIP	47K	5%	1/10W
						R125	1-216-079-00	METAL CHIP	18K	5%	1/10W
						R126	1-216-081-00	METAL CHIP	22K	5%	1/10W

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Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R127	1-216-097-00	RES,CHIP	100K	5%	1/10W	R194	1-216-099-00	METAL CHIP	120K	5%	1/10W
R128	1-216-097-00	RES,CHIP	100K	5%	1/10W	R195	1-216-081-00	METAL CHIP	22K	5%	1/10W
R129	1-216-065-00	RES,CHIP	4.7K	5%	1/10W	R196	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R130	1-216-081-00	METAL CHIP	22K	5%	1/10W						(CN)
R131	1-216-065-00	RES,CHIP	4.7K	5%	1/10W	R197	1-216-089-00	RES,CHIP	47K	5%	1/10W
						R198	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
											(CN)
R132	1-216-081-00	METAL CHIP	22K	5%	1/10W						
R133	1-216-089-00	RES,CHIP	47K	5%	1/10W	R199	1-216-039-00	METAL CHIP	390	5%	1/10W
R134	1-216-069-11	METAL CHIP	6.8K	5%	1/10W						(CN)
R135	1-216-089-00	RES,CHIP	47K	5%	1/10W	R200	1-216-039-00	METAL CHIP	390	5%	1/10W
R136	1-216-045-00	METAL CHIP	680	5%	1/10W						(CN)
						R204	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R137	1-216-073-00	METAL CHIP	10K	5%	1/10W	R205	1-216-055-00	METAL CHIP	1.8K	5%	1/10W
R138	1-216-065-00	RES,CHIP	4.7K	5%	1/10W	R206	1-216-063-00	RES,CHIP	3.9K	5%	1/10W
R140	1-216-049-11	RES,CHIP	1K	5%	1/10W						
R141	1-216-089-00	RES,CHIP	47K	5%	1/10W	R207	1-216-097-00	RES,CHIP	100K	5%	1/10W
R142	1-216-115-00	METAL CHIP	560K	5%	1/10W	R208	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
											(CN)
R143	1-216-057-00	METAL CHIP	2.2K	5%	1/10W	R211	1-216-041-11	METAL CHIP	470	5%	1/10W
					(CN)	R212	1-216-103-00	METAL CHIP	180K	5%	1/10W
R143	1-216-073-00	METAL CHIP	10K	5%	1/10W	R213	1-216-041-11	METAL CHIP	470	5%	1/10W
					(US)						
R144	1-216-057-00	METAL CHIP	2.2K	5%	1/10W						
					(CN)	R214	1-216-025-00	RES,CHIP	100	5%	1/10W
R144	1-216-073-00	METAL CHIP	10K	5%	1/10W						(CN)
					(US)	R215	1-216-021-00	METAL CHIP	68	5%	1/10W
R145	1-216-097-00	RES,CHIP	100K	5%	1/10W						(CN)
						R215	1-216-029-00	METAL CHIP	150	5%	1/10W
											(US)
R146	1-216-101-00	METAL CHIP	150K	5%	1/10W	R216	1-216-113-00	METAL CHIP	470K	5%	1/10W
R147	1-216-049-11	RES,CHIP	1K	5%	1/10W	R219	1-216-073-00	METAL CHIP	10K	5%	1/10W
					(CN)						
R148	1-216-049-11	RES,CHIP	1K	5%	1/10W	R220	1-216-073-00	METAL CHIP	10K	5%	1/10W
R149	1-216-043-00	RES,CHIP	560	5%	1/10W	R221	1-216-033-00	METAL CHIP	220	5%	1/10W
R150	1-216-109-00	METAL CHIP	330K	5%	1/10W	R222	1-216-022-00	METAL CHIP	75	5%	1/10W
						R223	1-216-073-00	METAL CHIP	10K	5%	1/10W
R151	1-216-073-00	METAL CHIP	10K	5%	1/10W	R224	1-216-069-11	METAL CHIP	6.8K	5%	1/10W
R152	1-216-073-00	METAL CHIP	10K	5%	1/10W						
R153	1-216-097-00	RES,CHIP	100K	5%	1/10W	R225	1-216-069-11	METAL CHIP	6.8K	5%	1/10W
R154	1-216-095-00	METAL CHIP	82K	5%	1/10W	R226	1-216-073-00	METAL CHIP	10K	5%	1/10W
R155	1-216-049-11	RES,CHIP	1K	5%	1/10W	R227	1-216-033-00	METAL CHIP	220	5%	1/10W
						R228	1-216-033-00	METAL CHIP	220	5%	1/10W
R156	1-216-073-00	METAL CHIP	10K	5%	1/10W	R229	1-216-033-00	METAL CHIP	220	5%	1/10W
R157	1-216-073-00	METAL CHIP	10K	5%	1/10W						
R159	1-216-041-11	METAL CHIP	470	5%	1/10W	R230	1-216-033-00	METAL CHIP	220	5%	1/10W
R162	1-216-041-11	METAL CHIP	470	5%	1/10W	R231	1-216-033-00	METAL CHIP	220	5%	1/10W
R163	1-216-041-11	METAL CHIP	470	5%	1/10W	R232	1-216-033-00	METAL CHIP	220	5%	1/10W
						R233	1-216-022-00	METAL CHIP	75	5%	1/10W
R168	1-216-073-00	METAL CHIP	10K	5%	1/10W	R234	1-216-022-00	METAL CHIP	75	5%	1/10W
R169	1-216-041-11	METAL CHIP	470	5%	1/10W						
R173	1-216-073-00	METAL CHIP	10K	5%	1/10W	R235	1-216-022-00	METAL CHIP	75	5%	1/10W
R174	1-216-073-00	METAL CHIP	10K	5%	1/10W	R236	1-216-085-00	METAL CHIP	33K	5%	1/10W
R175	1-216-073-00	METAL CHIP	10K	5%	1/10W	R237	1-216-079-00	METAL CHIP	18K	5%	1/10W
						R238	1-216-689-11	METAL CHIP	39K	0.5%	1/10W
R176	1-216-117-00	METAL CHIP	680K	5%	1/10W	R239	1-216-082-00	METAL CHIP	24K	5%	1/10W
R177	1-216-073-00	METAL CHIP	10K	5%	1/10W						
R178	1-216-073-00	METAL CHIP	10K	5%	1/10W	R240	1-216-022-00	METAL CHIP	75	5%	1/10W
R179	1-216-049-11	RES,CHIP	1K	5%	1/10W	R241	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R180	1-216-041-11	METAL CHIP	470	5%	1/10W	R242	1-216-073-00	METAL CHIP	10K	5%	1/10W
						R243	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R190	1-216-073-00	METAL CHIP	10K	5%	1/10W	R244	1-216-073-00	METAL CHIP	10K	5%	1/10W
R191	1-216-073-00	METAL CHIP	10K	5%	1/10W						
R192	1-216-085-00	METAL CHIP	33K	5%	1/10W						
R193	1-216-077-00	METAL CHIP	15K	5%	1/10W	R245	1-216-041-11	METAL CHIP	470	5%	1/10W

TUNER MAIN

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Remark
R246	1-216-001-00	METAL CHIP	10	5%	1/10W	R305	1-216-049-11	RES,CHIP	1K	5%	1/10W
R247	1-216-022-00	METAL CHIP	75	5%	1/10W	R306	1-216-065-00	RES,CHIP	4.7K	5%	1/10W
R248	1-216-057-00	METAL CHIP	2.2K	5%	1/10W	R307	1-216-065-00	RES,CHIP	4.7K	5%	1/10W (CN)
R249	1-216-073-00	METAL CHIP	10K	5%	1/10W	R307	1-216-073-00	METAL CHIP	10K	5%	1/10W (US)
R250	1-216-057-00	METAL CHIP	2.2K	5%	1/10W	R308	1-216-061-00	METAL CHIP	3.3K	5%	1/10W
R251	1-216-073-00	METAL CHIP	10K	5%	1/10W	R309	1-216-049-11	RES,CHIP	1K	5%	1/10W (CN)
R252	1-216-041-11	METAL CHIP	470	5%	1/10W	R310	1-216-029-00	METAL CHIP	150	5%	1/10W (CN)
R253	1-216-001-00	METAL CHIP	10	5%	1/10W	R313	1-216-049-11	RES,CHIP	1K	5%	1/10W (CN)
R254	1-216-049-11	RES,CHIP	1K	5%	1/10W	R314	1-216-049-11	RES,CHIP	1K	5%	1/10W (CN)
R255	1-216-081-00	METAL CHIP	22K	5%	1/10W	R320	1-216-077-00	METAL CHIP	15K	5%	1/10W
R256	1-216-081-00	METAL CHIP	22K	5%	1/10W	R321	1-216-075-00	METAL CHIP	12K	5%	1/10W
R257	1-216-049-11	RES,CHIP	1K	5%	1/10W	R322	1-216-077-00	METAL CHIP	15K	5%	1/10W
R258	1-216-073-00	METAL CHIP	10K	5%	1/10W	R323	1-216-073-00	METAL CHIP	10K	5%	1/10W
R259	1-216-041-11	METAL CHIP	470	5%	1/10W	R347	1-216-057-00	METAL CHIP	2.2K	5%	1/10W (CN)
R260	1-216-022-00	METAL CHIP	75	5%	1/10W	R348	1-216-073-00	METAL CHIP	10K	5%	1/10W (CN)
R261	1-216-073-00	METAL CHIP	10K	5%	1/10W (CN)	R349	1-216-073-00	METAL CHIP	10K	5%	1/10W (CN)
R262	1-216-001-00	METAL CHIP	10	5%	1/10W	R351	1-216-025-00	RES,CHIP	100	5%	1/10W
R263	1-216-075-00	METAL CHIP	12K	5%	1/10W	R352	1-216-025-00	RES,CHIP	100	5%	1/10W
R264	1-216-073-00	METAL CHIP	10K	5%	1/10W	R353	1-216-025-00	RES,CHIP	100	5%	1/10W
R265	1-216-041-11	METAL CHIP	470	5%	1/10W	R376	1-216-021-00	METAL CHIP	68	5%	1/10W
R266	1-216-089-00	RES,CHIP	47K	5%	1/10W (US)	R377	1-216-095-00	METAL CHIP	82K	5%	1/10W
R267	1-216-089-00	RES,CHIP	47K	5%	1/10W (US)	R378	1-216-057-00	METAL CHIP	2.2K	5%	1/10W (CN)
R270	1-216-022-00	METAL CHIP	75	5%	1/10W (CN)	R379	1-216-049-11	RES,CHIP	1K	5%	1/10W (CN)
R271	1-216-033-00	METAL CHIP	220	5%	1/10W	R381	1-216-043-00	RES,CHIP	560	5%	1/10W
R272	1-216-033-00	METAL CHIP	220	5%	1/10W			< RELAY >			
R273	1-216-033-00	METAL CHIP	220	5%	1/10W						
R274	1-216-089-00	RES,CHIP	47K	5%	1/10W	RY1	9-939-919-01	RELAY (CH)			
R275	1-216-085-00	METAL CHIP	33K	5%	1/10W			< FILTER >			
R276	1-216-089-00	RES,CHIP	47K	5%	1/10W						
R277	1-216-085-00	METAL CHIP	33K	5%	1/10W	SF1	1-760-595-11	FILTER, SURFACE WAVE (US)			
R278	1-216-089-00	RES,CHIP	47K	5%	1/10W	SF1	9-884-237-01	FILTER, SAW (CN)			
R279	1-216-085-00	METAL CHIP	33K	5%	1/10W	SF2	1-404-351-13	FILTER, SAW (US)			
R280	1-216-089-00	RES,CHIP	47K	5%	1/10W			< SWITCH >			
R281	1-216-089-00	RES,CHIP	47K	5%	1/10W	SW1	9-939-918-01	SWITCH (TV SYSTEM) (CN)			
R282	1-216-073-00	METAL CHIP	10K	5%	1/10W			< COIL >			
R283	1-216-073-00	METAL CHIP	10K	5%	1/10W	T1	1-404-999-11	COIL (CN)			
R284	1-216-049-11	RES,CHIP	1K	5%	1/10W	T2	1-404-999-11	COIL (CN)			
R285	1-216-073-00	METAL CHIP	10K	5%	1/10W	T3	1-416-000-11	COIL (CH)			
R286	1-216-049-11	RES,CHIP	1K	5%	1/10W	T3	9-884-243-01	COIL (CN)			
R287	1-216-097-00	RES,CHIP	100K	5%	1/10W						
R288	1-216-053-00	METAL CHIP	1.5K	5%	1/10W						
R289	1-216-053-00	METAL CHIP	1.5K	5%	1/10W						
R290	1-216-097-00	RES,CHIP	100K	5%	1/10W						
R291	1-216-097-00	RES,CHIP	100K	5%	1/10W						
R292	1-216-073-00	METAL CHIP	10K	5%	1/10W (CN)						
R293	1-216-073-00	METAL CHIP	10K	5%	1/10W						
R300	1-216-095-00	METAL CHIP	82K	5%	1/10W						
R301	1-216-077-00	METAL CHIP	15K	5%	1/10W						
R304	1-216-065-00	RES,CHIP	4.7K	5%	1/10W						

TUNER MAIN

Ref. No.	Part No.	Description	Remark
		< TUNER >	
TU1	9-884-238-01	TUNER UNIT (CN)	
TU1	9-884-244-01	TUNER UNIT (US)	
		< VARIABLE RESISTOR >	
VR1	1-238-601-11	RES, ADJ, CARBON 22K	
VR4	1-238-595-11	RES, ADJ, CARBON 220	
VR5	1-238-600-11	RES, ADJ, CARBON 10K (CN)	
VR6	1-241-760-11	RES, ADJ, CERMET 470	
		< VIBRATOR >	
X2	9-939-921-01	VIBRATOR, CRYSTAL (8MHz)	
X3	1-567-859-11	VIBRATOR, CRYSTAL (3.58MHz)	
X4	1-567-859-11	VIBRATOR, CRYSTAL (3.58MHz)	
X5	1-567-860-11	VIBRATOR, CRYSTAL (4.43MHz) (CN)	

		MISCELLANEOUS	

7	1-782-596-11	CABLE, FLAT 24P	
59	1-777-901-11	CORD (WITH CONNEVTOR) (POWER) (2m) (INCLUDING F1)	
F1	1-532-731-11	FUSE (BLADE TYPE) (AUTO FUSE) 3A	
LCD1	1-801-725-11	DISPLAY PANEL, LIQUID CRYSTAL	
SP1	1-505-588-11	SPEAKER (3.5X2cm) (L-CH)	
SP2	1-505-588-11	SPEAKER (3.5X2cm) (R-CH)	

		ACCESSORIES & PACKING MATERIALS	

1-473-715-21		REMOTE COMMANDER (RM-X63E) (CN)	
1-473-715-31		REMOTE COMMANDER (RM-X63N) (US)	
3-866-745-11		MANUAL, INSTRUCTION (ENGLISH, TRADITIONAL CHINESE)	
3-866-746-11		MANUAL, INSTRUCTION, INSTALL (ENGLISH, TRADITIONAL CHINESE)	
9-939-691-01		LID, BATTERY CASE (for RM-X63E/X63N)	

Ref. No.	Part No.	Description	Remark
PARTS FOR INSTALLATION AND CONNECTIONS			

101	3-310-656-01	TAPE, MAGIC	
102	3-310-658-01	TAPE (B), MAGIC	
103	1-777-901-11	CORD (WITH CONNECTOR) (POWER) (2m) (including ▲A)	
104	1-777-317-21	CORD, CONNECTION (16P-16P) (3m) (MONITOR EXTENSION)	
105	1-690-814-11	CORD (WITH TERMINAL) (EARTH)	
106	1-695-529-11	CONNECTOR (RELAY)	
107	X-3374-113-1	STAND ASSY	
108	7-685-661-79	SCREW +P 4X12 TYPE4	
109	3-938-291-01	COVER (STAND)	
110		NOT SUPPLIED	
111	3-389-594-01	CLAMP, CORD (for MONITOR)	
112	1-754-015-11	ANTENNA, TV (VCA-114) (5m) (including ▲B)	
▲A	1-532-731-11	FUSE (BLADE TYPE) (AUTO FUSE) 3A	
▲B	1-532-414-11	FUSE (1A/125V)	

