

JVC

SERVICE MANUAL

COLOR TELEVISION

AV-27120_{/X(US & CA)}

AV-27120_{/AX(US & CA)}

BASIC CHASSIS

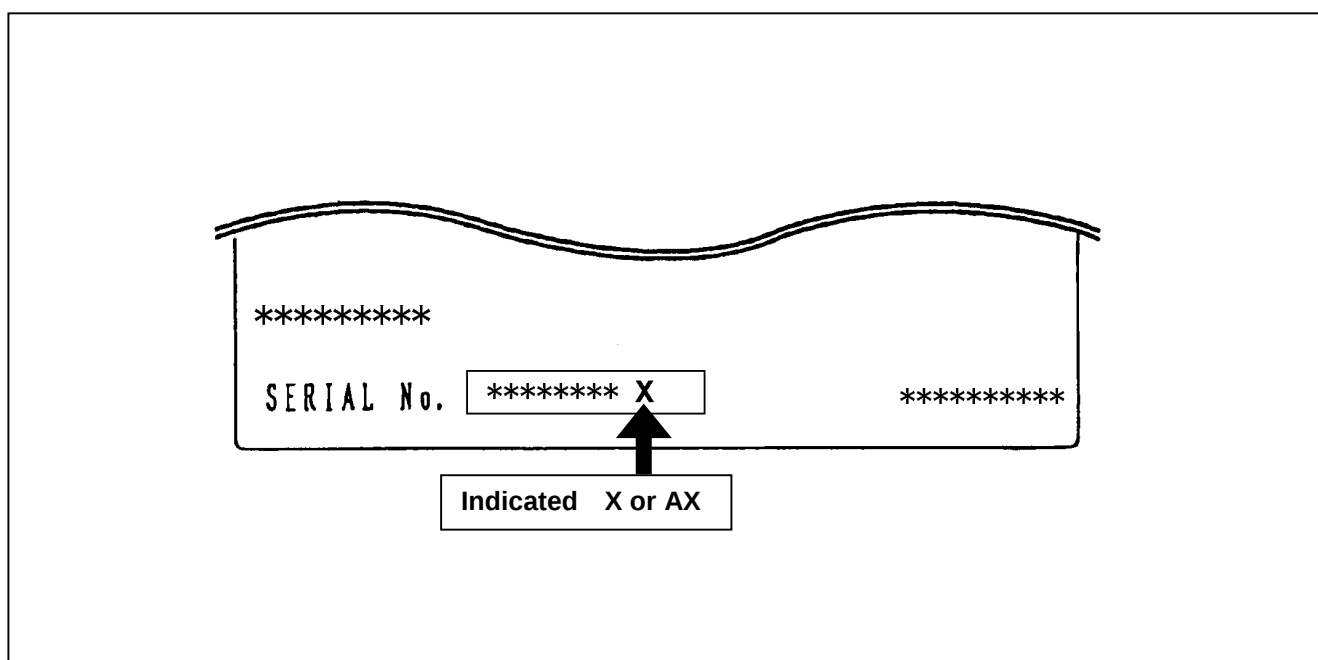
FV3

Supplementary

The following item for the AV-27120_{/X(US&CA)}, AV-27120_{/AX(US&CA)} model were changed from those of the AV-27120_(US&CA), AV-27120_(A US&A CA) model. Therefore, this service manual describes only the items which differ from those of the AV-27120_(US&CA), AV-27120_(A US&A CA) service manual. For details other than those described in this manual, please refer to the AV-27120_(US&CA), AV-27120_(A US&A CA) service manual (No.51682, May. 2000).

MODEL IDENTIFICATION

While referring to the illustration given below, identify model name on the rating label affixed to the rear cover.



■ DIFFERENCE PARTS LIST

• MAIN PWB PARTS LIST (Page30~33)

△	Ref. No.	Parts Number		Parts Name	Remarks
		AV-27120(US&CA) (No.51682)	AV-27120/X(US&CA) (No.51682B)		
		SFV-1031A-M2	SFV-1047A-M2	Main PWB	Not Interchangeable
	R1001	QRE121J-5R6Y	_____	C RESISTER	Delete
	R1005	QRG01GJ-121	_____	OM RESISTER	↑
	R1146	NRSA02J-273X	NRSA02J-562X	CHIP RESISTER	Not Interchangeable
	C1006	QETN1CM-476Z	QETN1EM-476Z	E CAP.	↑
	C1013	_____	NCB21HK-104X	CHIP C CAP.	Addition
	C1138	QETN1CM-476Z	QETN1EM-476Z	E CAP.	Not Interchangeable
	C1217	QETN1CM-476Z	QETN1EM-476Z	E CAP.	↑
	C1511	QETN1CM-476Z	QETN1EM-476Z	E CAP.	↑
	C1617	QETN1CM-476Z	QETN1EM-476Z	E CAP.	↑
	C1623	QETN1CM-476Z	QETN1EM-476Z	E CAP.	↑
	C1680	QETN1CM-476Z	QETN1EM-476Z	E CAP.	↑
	C1716	QETN1CM-476Z	QETN1EM-476Z	E CAP.	↑
	C1751	QETN1CM-476Z	QETN1EM-476Z	E CAP.	↑
	C1922	QEH2CM-336	QEHQ2CM-336	E CAP.	↑
	L1001	QQL03BJ-150Z	_____	PEAKING COIL	Delete
	D1002	MTZJ5.1B-T2	_____	CHIP ZENER	↑
	IC1001	_____	AN7805F	I.C.	Addition
	IC1701	M37272MA-050SP	M37272MA-053SP	I.C.	Not Interchangeable
△	TU1001	QAU0069-001	QAU0199-001	TUNER	↑

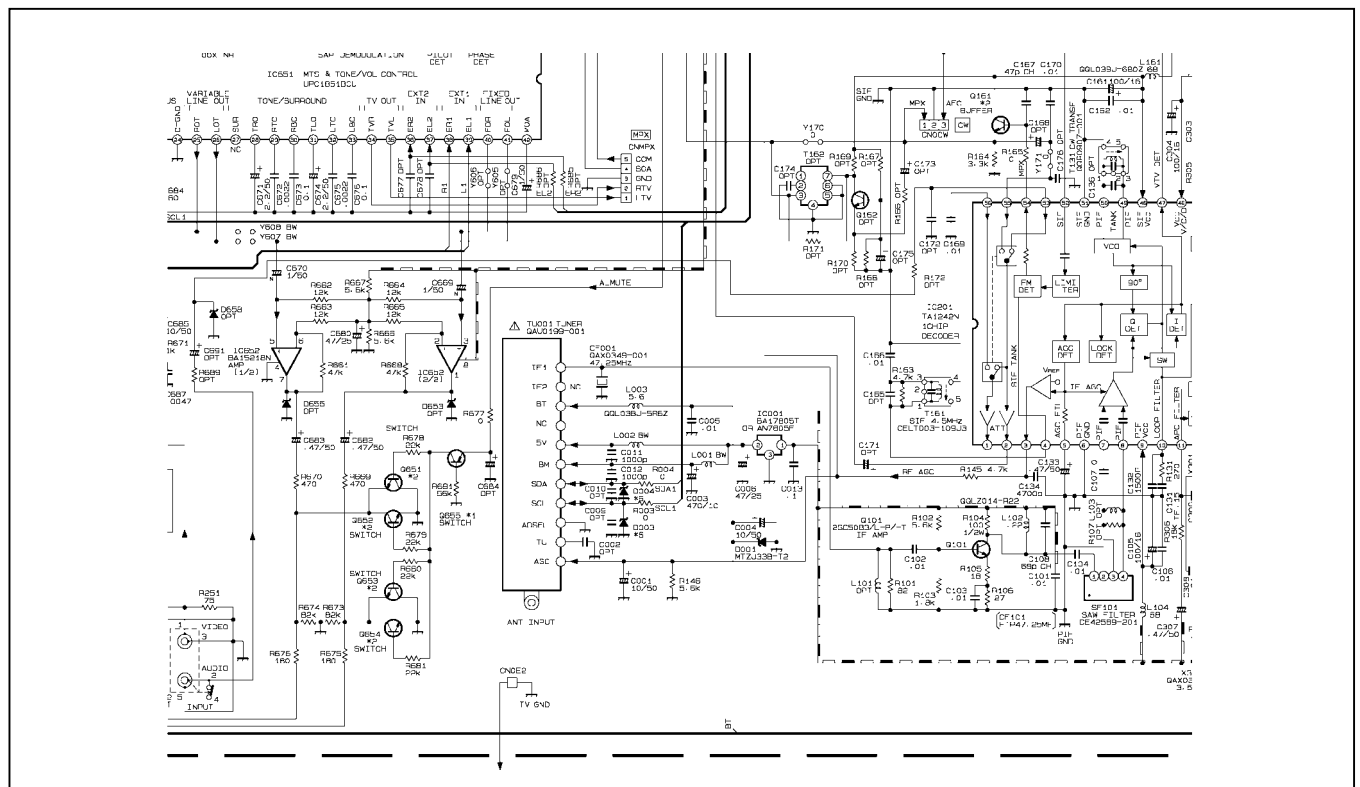
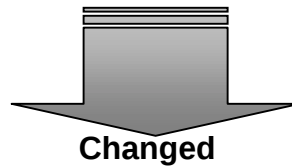
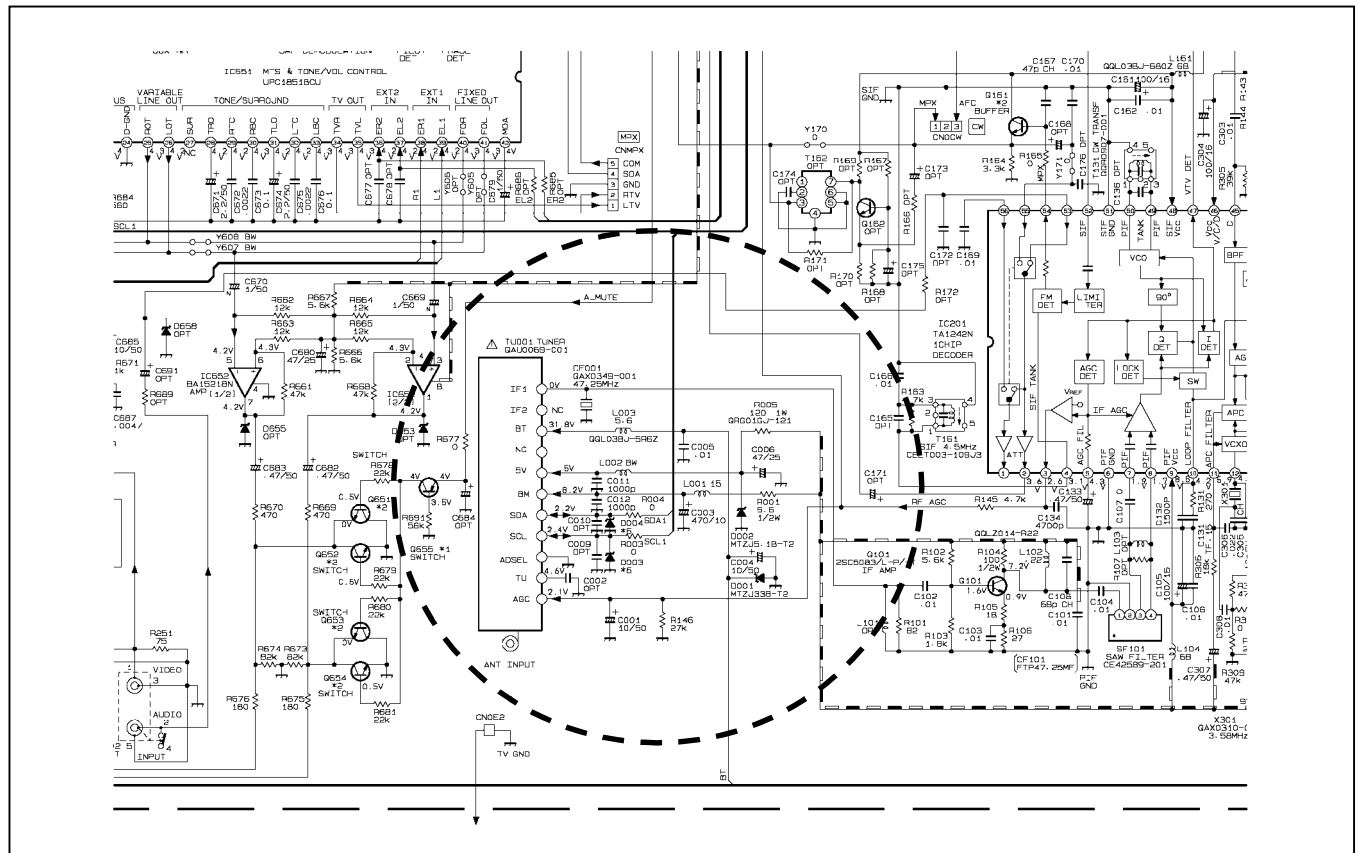
• MAIN PWB PARTS LIST (Page34~37)

△	Ref. No.	Parts Number		Parts Name	Remarks
		AV-27120A(US&CA) (No.51682)	AV-27120/AX(US&CA) (No.51682B)		
		SFV-1033A-M2	SFV-1048A-M2	Main PWB	Not Interchangeable
	R1001	QRE121J-5R6Y	_____	C RESISTER	Delete
	R1005	QRG01GJ-121	_____	OM RESISTER	↑
	R1146	NRSA02J-273X	NRSA02J-562X	CHIP RESISTER	Not Interchangeable
	C1013	_____	NCB21HK-104X	CHIP C CAP.	Addition
	L1001	QQL03BJ-150Z	_____	PEAKING COIL	Delete
	D1002	MTZJ5.1B-T2	_____	CHIP ZENER	↑
	IC1001	_____	AN7805F	I.C.	Addition
	IC1701	M37272MA-050SP	M37272MA-053SP	I.C.	Not Interchangeable
△	TU1001	QAU0069-001	QAU0199-001	TUNER	↑

• PACKING (Page38)

△	Ref. No.	Parts Number		Parts Name	Remarks
		AV-27120(US&CA) AV-27120A(US&CA) (No.51682)	AV-27120/X(US&CA) AV-27120/AX(US&CA) (No.51682B)		
△	6	LCT0606-001A-A	LCT0606-001B-A	INST BOOK (CA) [FRENCH]	Not Interchangeable

Changed around the Tuner(Page 2-7)



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SERVICE MANUAL

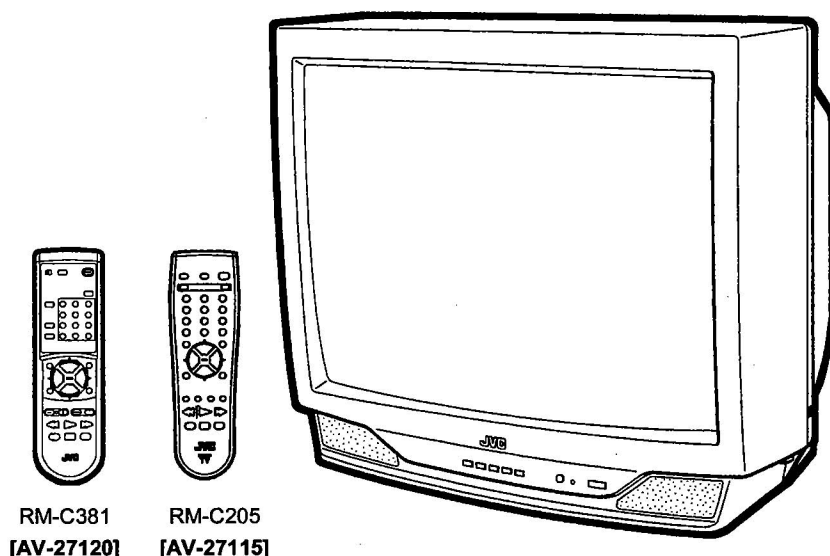
COLOR TELEVISION

AV-27120 (US&CA) (A US&A CA)

AV-27115 (US&CA) (A US&A CA)

BASIC CHASSIS

FV3



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SPECIFICATIONS

Items	Contents	
	AV-27120(US&CA) AV-27120(A US&A CA)	AV-27115(US&CA) AV-27115(A US&A CA)
Dimensions (W × H × D)	25-3/4" × 23-3/8" × 19-1/2" / 65.4cm × 59.3cm × 49.5cm	
Mass	68.5 lbs / 31.1 kg	
TV RF System	CCIR(M)	
Color Sound System	NTSC, BTSC System (Multi Channel Sound)	
TV Receiving Channels and Frequency	VL Band (02~06) 54MHz~88MHz VH Band (07~13) 174MHz~216MHz UHF Band (14~69) 470MHz~806MHz	
CATV Receiving Channels and Frequency	Low Band (02~06, A-8) by (02~06&01) High Band (07~13) by (07~13) Mid Band (A~1) by (14~22) Super Band (J~W) by (23~36) Hyper Band (W+1~W+28) by (37~64) Ultra Band (W+29~W+84) by (65~125) Sub Mid Band (A8, A4~A1) by (01, 96~99)	
TV/CATV Total Channel	180 Channels	
Intermediate Frequency	45.75MHz	
Video IF Carrier	41.25MHz (4.5MHz)	
Sound IF Carrier	3.58MHz	
Color Sub Carrier	3.58MHz	
Power Input	120V AC, 60Hz	
Power Consumption	113W (US) / 1.8A (CA)	
Picture Tube	27" (68cm) Measured Diagonally	
High Voltage	29kV ± 1kV (at zero beam current)	
Speaker	2" × 3-1/2" / 5 × 9cm Oval type × 2	
Audio Power Output	1.2W × 2	
Input	Video Input 1Vp-p, 75Ω (RCA pin jack) Audio Input (R/L) 500mVrms (-4dBs), High Impedance (RCA pin jack)	
S-Video	Y: 1Vp-p Positive (negative sync provided, when terminated with 75Ω) C: 0.286Vp-p (burst signal, when terminated with 75Ω)	
Variable Audio Output (R/L)	More then 0~1550mVrms (+6dBs) Low impedance (400Hz when modulated 100%) (RCA pin jack)	
Antenna terminal	75Ω (VHF/UHF) Terminal, F-Type Connector	
Remote Control Unit	RM-C381-1A (AA/R6/UM-3 battery × 2)	RM-C205-1C (AA/R6/UM-3 battery × 2)

Design & specifications are subject to change without notice.

SAFETY PRECAUTIONS

1. The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
2. Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
3. Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. **Electrical components having such features are identified by shading on the schematics and by (Δ) on the parts list in Service manual.** The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.
4. **Use isolation transformer when hot chassis.**
The chassis and any sub-chassis contained in some products are connected to one side of the AC power line. An isolation transformer of adequate capacity should be inserted between the product and the AC power supply point while performing any service on some products when the HOT chassis is exposed.
5. **Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.**
Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : ($\perp$) side GND, the ISOLATED(NEUTRAL) : ($\cdot$) side GND and EARTH : ($\oplus$) side GND. Don't short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or EARTH side GND and never measure with a measuring apparatus (oscilloscope etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND or EARTH side GND at the same time.
If above note will not be kept, a fuse or any parts will be broken.
6. If any repair has been made to the chassis, it is recommended that the B1 setting should be checked or adjusted (See ADJUSTMENT OF B1 POWER SUPPLY).
7. The high voltage applied to the picture tube must conform with that specified in Service manual. Excessive high voltage can cause an increase in X-Ray emission, arcing and possible component damage, therefore operation under excessive high voltage conditions should be kept to a minimum, or should be prevented. If severe arcing occurs, remove the AC power immediately and determine the cause by visual inspection (incorrect installation, cracked or melted high voltage harness, poor soldering, etc.). To maintain the proper minimum level of soft X-Ray emission, components in the high voltage circuitry including the picture tube must be the exact replacements or alternatives approved by the manufacturer of the complete product.
8. Do not check high voltage by drawing an arc. Use a high voltage meter or a high voltage probe with a VTVM. Discharge the picture tube before attempting meter connection, by connecting a clip lead to the ground frame and connecting the other end of the lead through a 10k Ω 2W resistor to the anode button.
9. When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.

10. Isolation Check

(Safety for Electrical Shock Hazard)

After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screwheads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

(1) Dielectric Strength Test

The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 1100V AC (r.m.s.) for a period of one second.

(... Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.)

This method of test requires a test equipment not generally found in the service trade.

(2) Leakage Current Check

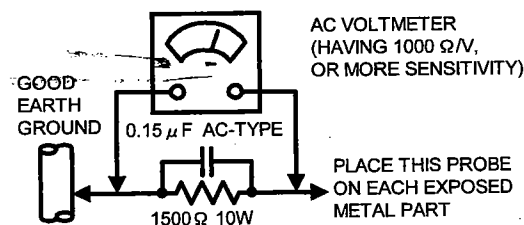
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.).

However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

• Alternate Check Method

Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000 ohms per volt or more sensitivity in the following manner. Connect a 1500 Ω 10W resistor paralleled by a 0.15 μ F AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.).

However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).



11. High voltage hold down circuit check.

After repair of the high voltage hold down circuit, this circuit shall be checked to operate correctly.

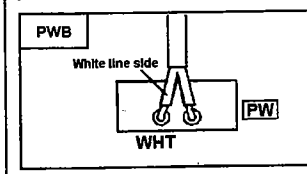
See item "How to check the high voltage hold down circuit".

This mark shows a fast operating fuse, the letters indicated below show the rating.



POWER CORD REPLACEMENT WARNING.

Connecting the white line side of power cord to "WHT" character side.



FEATURES

- New chassis design enables use of a single board with simplified circuitry.
- Provided with miniature tuner (TV/CATV).
- Multifunctional remote control permits picture adjustment.
- Adoption of the CHANNEL GUARD function prevents the specific channels from being selected, unless the "ID number" is key in.
- I²C bus control utilizes single chip ICs.
- Adoption of the VIDEO STATUS function.
- Adoption of the ON/OFF TIMER function.
- Built-in V-CHIP system.
- With 75 Ω V/U in common (F-Type) ANT Terminal.
- SLEEP TIMER for setting in real time.
- Closed-caption broadcasts can be viewed.
- Audio Video input terminal.
- Built-in MTS system.
- Built-in HYPER-SURROUND system. [AV-27120]
- S-VIDEO input terminal for taking best advantage of Super VHS. [AV-27120]
- Variable Audio output terminal. [AV-27120]
- 2 LINE Digital Comb filter Improved picture quality. [AV-27120]

MAIN DIFFERENCE LIST

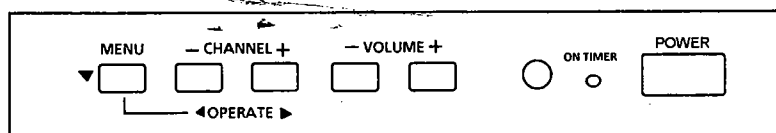
Δ	Model name	AV-27120 (US&CA)	AV-27120 (A US&A CA)	AV-27115 (US&CA)	AV-27115 (A US&A CA)
	Parts Name				
	MAIN PWB	SFV-1031A-M2	SFV-1033A-M2	SFV-1032A-M2	SFV-1034A-M2
Δ	PICTURE TUBE	A68ADT25X01	A68QDN891X001	A68ADT25X01	A68QDN891X001
Δ	FRONT CABINET	LC10081-001E-A	←	LC10081-002A-A	←
Δ	REAR COVER	LC10082-001D-A	←	LC10082-002A-A	←
	TAPPING SCREW	QYSBSB3010Z (× 2)	←	QYSBSB3010Z (× 1)	←
	REMOTE CONTROL UNIT	RM-C381-1A	←	RM-C205-1C	←

OPERATING INSTRUCTIONS

- For OPERATING INSTRUCTIONS, use that of " '00 FV3 IB" (No.51677).

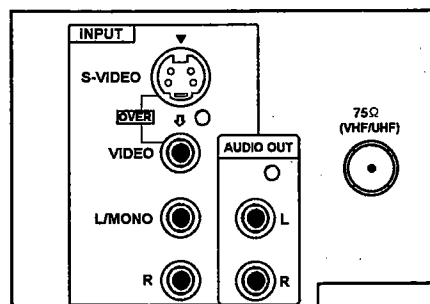
FUNCTIONS

FRONT PANEL

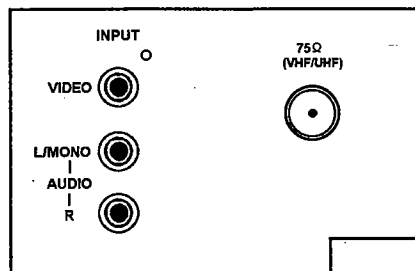


REAR PANEL

[AV-27120(US&CA)]
[AV-27120(A US&A CA)]



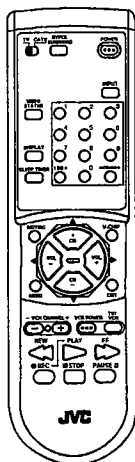
[AV-27115(US&CA)]
[AV-27115(A US&A CA)]



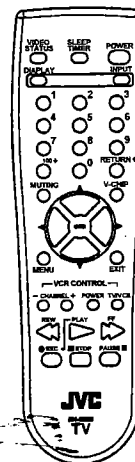
FUNCTIONS

■ REMOTE CONTROL UNIT

(RM-C381-1A) [AV-27120(US&CA)]
[AV-27120(A US&A CA)]



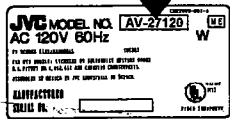
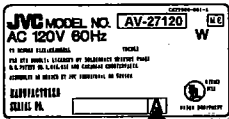
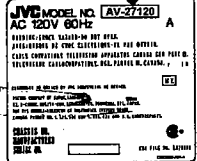
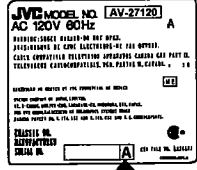
(RM-C205-1C) [AV-27115(US&CA)]
[AV-27115(A US&A CA)]



HOW TO IDENTIFY MODELS

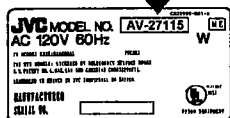
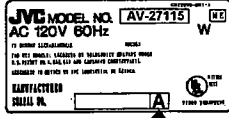
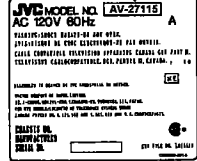
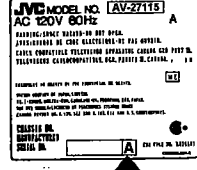
- For model AV-27120 (A US&A CA), the suffix "A" is added to the serial No. on the rating label.

(The difference between AV-27120 (US&CA) and AV-27120 (A US&A CA) is in the PICTURE TUBE. As the result of the difference in picture tube, the MAIN PWB also differ.)

MODEL	AV-27120(US)	AV-27120(A US)	AV-27120(CA)	AV-27120(A CA)
Parts name				
RATING LABEL	CM23034-001-A	←	CM22999-A01-A	←
	INDICATED AV-27120 	←  INDICATED "A"	INDICATED AV-27120 	←  INDICATED "A"

- For model AV-27115 (A US&A CA), the suffix "A" is added to the serial No. on the rating label.

(The difference between AV-27115 (US&CA) and AV-27115 (A US&A CA) is in the PICTURE TUBE. As the result of the difference in picture tube, the MAIN PWB also differ.)

MODEL	AV-27115(US)	AV-27115(A US)	AV-27115(CA)	AV-27115(A CA)
Parts name				
RATING LABEL	CM23034-001-A	←	CM22999-A01-A	←
	INDICATED AV-27115 	←  INDICATED "A"	INDICATED AV-27115 	←  INDICATED "A"

SPECIFIC SERVICE INSTRUCTIONS

DISASSEMBLY PROCEDURE

REMOVING THE REAR COVER

1. Unplug the power supply cord.

[For AV-27120]

2. Remove the 7 screws marked (A) and 2 screws marked (B) as shown in Fig.1.

[For AV-27115]

2. Remove the 7 screws marked (A) and a screw marked (B) as shown in Fig.1.
3. Withdraw the REAR COVER toward you.

[CAUTION]

- When reinstalling the rear cover, carefully push it inward after inserting the MAIN PWB into the rear cover groove.

REMOVING THE MAIN PW BOARD

- After removing the rear cover.

 1. Pick this side of the MAIN PWB and raise one slightly, take off the PWB stopper marked (C) from the cabinet bottom.
 2. Pull out the MAIN PWB as it is.
(If necessary, take off the wire clamp and connectors, etc.)

REMOVING THE SPEAKER

- After removing the MAIN PW board.

 1. Remove the 2 screws marked (D) as shown in Fig.1.
 2. Withdraw the speaker backward.
 3. Follow the same steps when removing the other hand speaker.

CHECKING THE MAIN PW BOARD

1. To check the back side of the MAIN PW Board.
 - 1) Pull out the MAIN PWB. (Refer to REMOVING THE MAIN PWB).
 - 2) Erect the chassis vertically so that you can easily check the back side of the MAIN PW Board.

[CAUTION]

- When erecting the MAIN PWB, be careful so that there will be no contacting with other PW Board.
- Before turning on power, make sure that the CRT earth wire and other connectors are properly connected.

WIRE CLAMPING AND CABLE TYING

1. Be sure clamp the wire.
2. Never remove the cable tie used for tying the wires together.
Should it be inadvertently removed, be sure to tie the wires with a new cable tie.

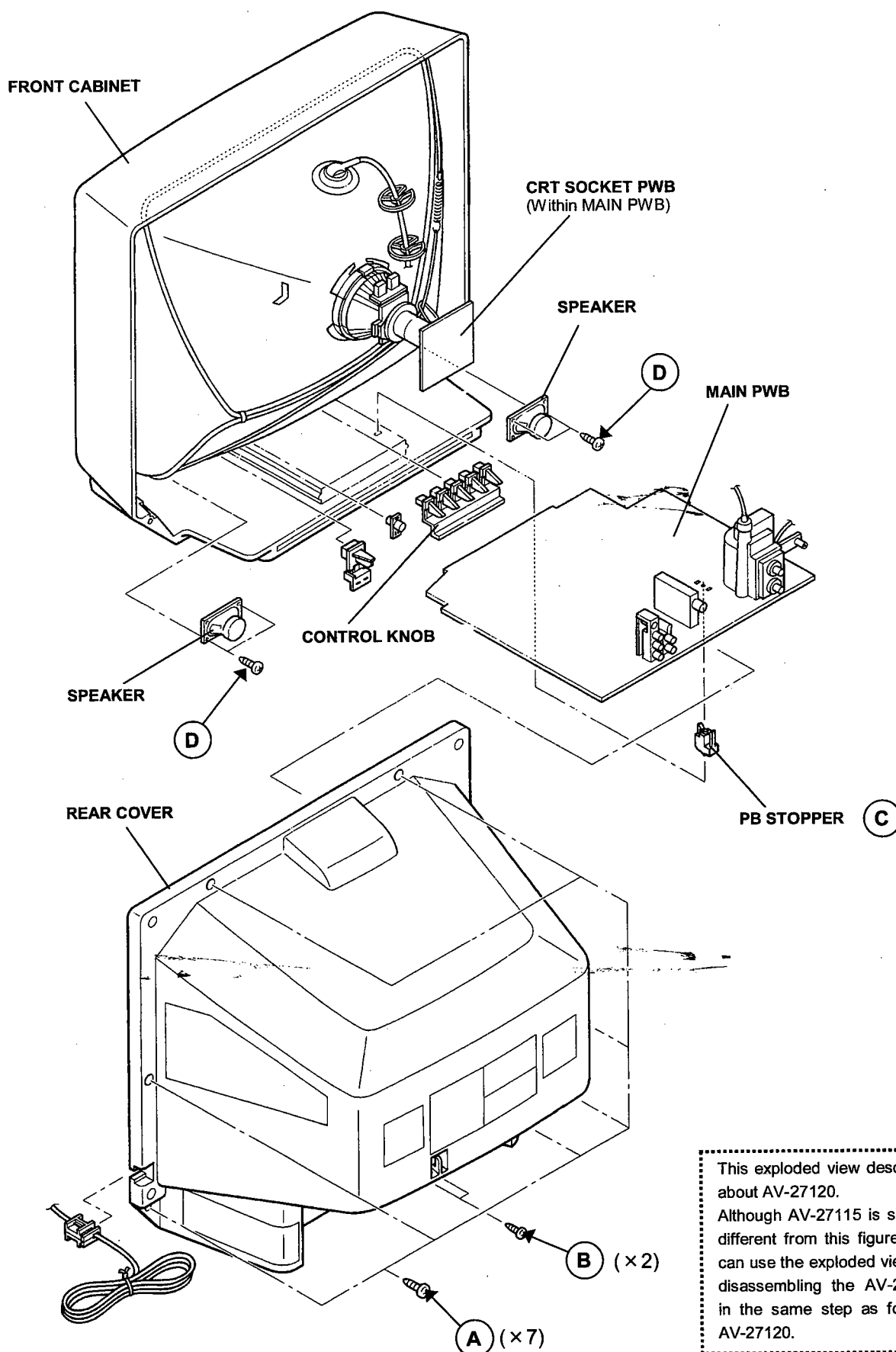


Fig.1

MEMORY IC REPLACEMENT

1. Memory IC

This model use a memory IC.

This memory IC stores data for proper operation of the video and deflection circuits.

When replacing, be sure to use an IC containing this (initial value) data.

2. Memory IC replacement procedure

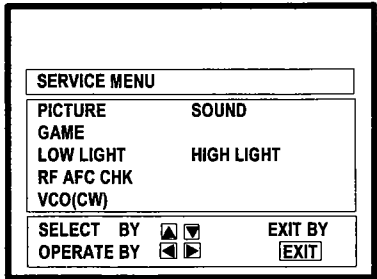
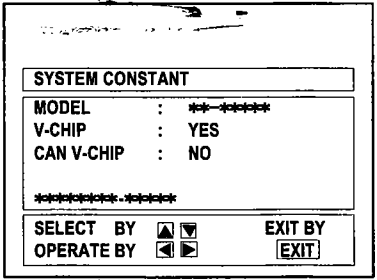
Procedure	Screen display
(1) Power off Switch off the power and disconnect the power cord from the outlet.	
(2) Replace the memory IC Initial value must be entered into the new IC.	
(3) Power on Connect the power cord to the outlet and switch on the power.	
(4) System constant check and setting 1) Press SLEEP TIMER key and, while the indication of "SLEEP TIMER 0 MIN." is being displayed, press DISPLAY key and VIDEO STATUS key on the remote control unit simultaneously. 2) The SERVICE MENU screen of Fig.1 is displayed. 3) While the SERVICE MENU is displayed, again simultaneously press the DISPLAY and VIDEO STATUS keys to display the Fig.2 SYSTEM CONSTANT screen. 4) Refer to the SYSTEM CONSTANT table and check the setting items. Where these differ, select the setting item with the MENU UP/DOWN key and adjust the setting with the MENU LEFT/RIGHT keys. (The letters of the selected item are displayed in yellow.) 5) After adjusting, release the MENU LEFT/RIGHT key to store the setting value. 6) Press the EXIT key twice to return the normal screen.	 Fig.1
(5) Receive channel setting Refer to the OPERATING INSTRUCTIONS(USER'S GUIDE) and set the receive channels (Channels Preset) as described.	
(6) User settings Check the user setting items according to Table 2. Where these do not agree, refer to the OPERATING INSTRUCTIONS (USER'S GUIDE) and set the items as described.	 Fig.2
(7) SERVICE MENU setting Verify what to set in the SERVICE MENU, and set whatever is necessary.(Fig.1) Refer to the SERVICE ADJUSTMENT for setting.	

TABLE 1 (System Constant setting)

Setting item	Setting content	Setting value	
		AV-27120(US&CA) AV-27120(A US&A CA)	AV-27115(US&CA) AV-27115(A US&A CA)
MODEL		AV-27120	AV-27115
V-CHIP		YES	YES
CAN V-CHIP		NO	NO

TABLE 2 (User setting value)

Setting item	Setting value
1. Use remote controller keys	
POWER	OFF
CHANNEL	CH 02
CHANNEL PRESET	See OPERATING INSTRUCTIONS
VOLUME	10
INPUT (TV/VIDEO)	TV
DISPLAY	OFF
SLEEP TIMER	0
VIDEO STATUS	STANDARD
HYPER SURROUND	OFF [AV-27120 Only]
2. Setting of MENU	
TINT	CENTER
COLOR	CENTER
PICTURE	CENTER
BRIGHT	CENTER
DETAIL	CENTER
NOISE MUTING	ON
SET VIDEO STATUS	ALL CENTER
BASS	CENTER
TREBLE	CENTER
BALANCE	CENTER
MTS	STEREO
TV SPEAKER	ON [AV-27120 Only]
SET CLOCK	Unnecessary to set
ON/OFF TIMER	NO
LANGUAGE	ENG
CLOSED CAPTION	OFF
BACKGROUND	BLACK
AUTO TUNER SETUP	TUNER MODE : AIR
CHANNEL SUMMARY	Unnecessary to set
V-CHIP	OFF
SET LOCK CODE	Unnecessary to set

SERVICE ADJUSTMENTS

ADJUSTMENT PREPARATION:

1. You can make the necessary adjustments for this unit with either the Remote Control Unit or With the adjustment tools and parts as given below.
2. Adjustment with the Remote Control Unit is made on the basis of the initial setting values, however, the new setting values which set the screen to its optimum condition may differ from the initial settings.
3. Make sure that AC power is turned on correctly.
4. Turn on the power for set and test equipment before use, and start the adjustment procedures after waiting at least 30 minutes.
5. Unless otherwise specified, prepare the most suitable reception or input signal for adjustment.

6. Never touch any adjustment parts which are not specified in the list for this adjustment - variable resistors, transformers, condensers, etc.
7. Presetting before adjustment.
Unless otherwise specified in the adjustment instructions, preset the following functions with the remote control unit:

VIDEO STATUS	STANDARD
BASS, TREBLE, BALANCE	CENTER
HYPER SURROUND	OFF [AV-27120]
TINT, COLOR, PICTURE, BRIGHT, DETAIL	CENTER

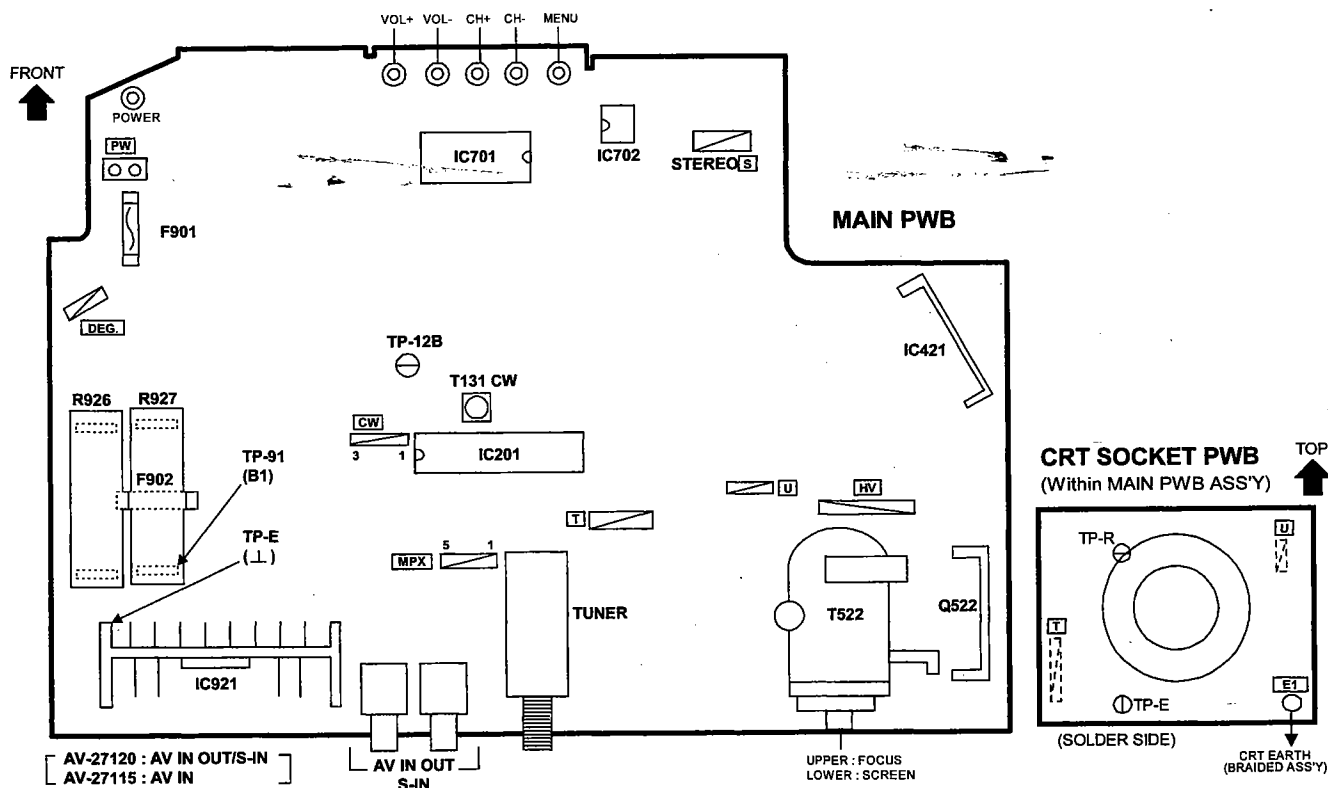
ADJUSTMENT EQUIPMENT

1. DC voltmeter (or digital voltmeter)
2. Oscilloscope
3. Signal generator (Pattern generator) [NTSC]
4. Remote control unit
5. TV audio multiplex signal generator.
6. Frequency counter

ADJUSTMENT ITEMS

Adjustment items	Adjustment items	Adjustment items
B1 POWER SUPPLY	WHITE BALANCE (Low Light)	MTS INPUT LEVEL check
IF VCO	WHITE BALANCE (High Light)	MTS STEREO VCO
RF. AGC	SUB BRIGHT	MTS SAP VCO
FOCUS	SUB CONTRAST	MTS FILTER check
V. SIZE	SUB COLOR	MTS SEPARATION
H. POSITION	SUB TINT	

ADJUSTMENT LOCATIONS



BASIC OPERATION OF SERVICE MENU

1. TOOL OF SERVICE MENU OPERATION

Operate the SERVICE MENU with the REMOTE CONTROL UNIT.

2. SERVICE MENU ITEMS

In general, basic setting (adjustments) items or verifications are performed in the SERVICE MENU.

- PICTURE This sets the setting values (adjustment values) of the VIDEO/CHROMA and DEFLECTION circuits.
- SOUND This sets the setting values (adjustment values) of the AUDIO circuit.
- GAME This is used when the GAME MODE is adjusted.
- LOW LIGHT This sets the setting values (adjustment values) of the WHITE BALANCE circuit.
- HIGH LIGHT This sets the setting values (adjustment values) of the WHITE BALANCE circuit.
- RF AFC CHK This is used when the IF VCO is adjusted. **[Do not adjust]**
- VCO (CW) This is used when the IF VCO is adjusted.

3. Basic Operations of the SERVICE MENU

(1) How to enter the SERVICE MENU.

Press **SLEEP TIMER** key and, while the indication of "SLEEP TIMER 0 MIN." is being displayed, press **DISPLAY** key and **VIDEO STATUS** key on the remote control unit simultaneously to enter the **SERVICE MENU** screen ① shown in the next figure page.

(2) SERVICE MENU screen selection

Press the UP / DOWN key of the MENU to select any of the following items.

(The letters of the selected items are displayed in yellow.)

- PICTURE
- GAME
- LOW LIGHT
- RF AFC CHK
- VCO(CW)
- SOUND
- HIGH LIGHT

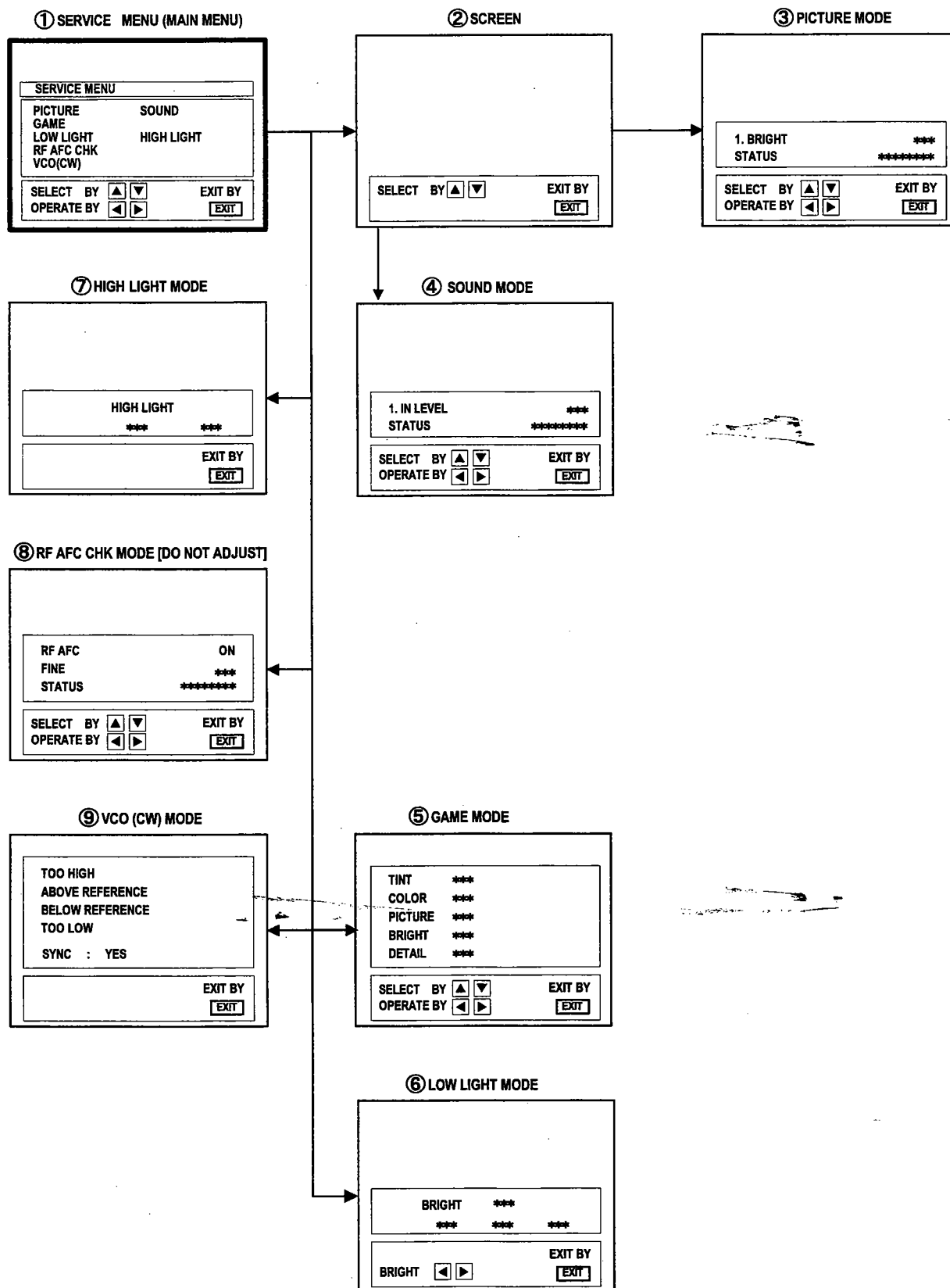
(3) Enter the any setting (adjustment) mode

● PICTURE and SOUND mode

- 1) If select any of PICTURE or SOUND items, and the LEFT / RIGHT key is pressed from SERVICE MENU (MAIN MENU), the screen ② will be displayed as shown in figure page later.
- 2) Then the UP / DOWN key is pressed, the PICTURE mode screen ③ or the SOUND mode screen ④ is displayed, and the PICTURE or SOUND setting can be performed.

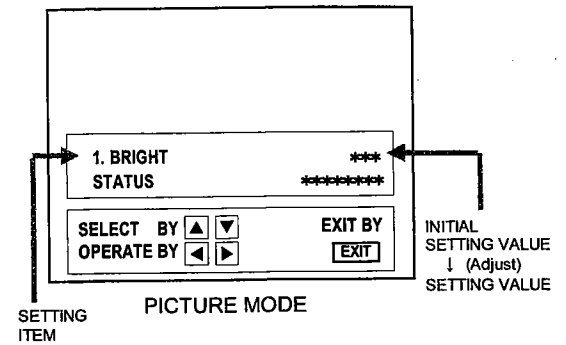
● GAME, LOW LIGHT, HIGH LIGHT, RF AFC CHK and VCO (CW) mode

- 1) If select any of GAME / LOW LIGHT / HIGH LIGHT / RF AFC CHK / VCO (CW) items, and the LEFT / RIGHT key is pressed from SERVICE MENU (MAIN MENU), the screens ⑤ ⑥ ⑦ ⑧ ⑨ will be displayed as shown in figure page later.
- 2) Then the settings or verifications can be performed.



(4) Setting method

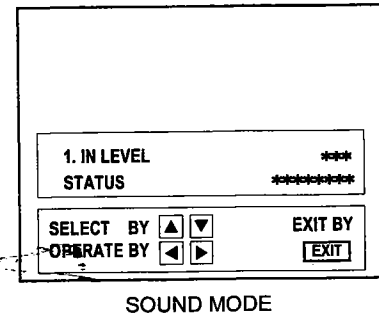
- 1) UP / DOWN key of the MENU
Select the SETTING ITEM.
- 2) LEFT / RIGHT key of the MENU
Setting (adjust) the SETTING VALUE of the SETTING ITEM.
When the key is released the SETTING VALUE will be stored (memorized).
- 3) EXIT key
Returns to the previous screen.



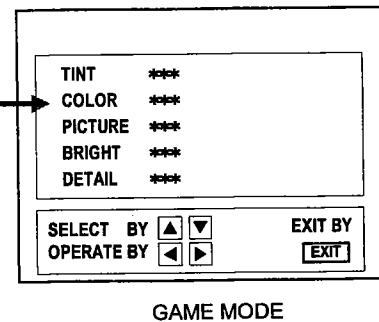
(5) Releasing SERVICE MENU

- 1) After returning to the SERVICE MENU upon completion of the setting (adjustment) work, press the EXIT key again.

- ★ The settings for LOW LIGHT and HIGH LIGHT are described in the WHITE BALANCE page of ADJUSTMENT.
- ★ The setting for VCO (CW) are described in the IF VCO page of ADJUSTMENT.



(The letter of the selected items are displayed in yellow.)



INITIAL SETTING VALUE OF SERVICE MENU

1. Adjustment of the SERVICE MENU is made on the basis of the initial setting values; however, the new setting values which set the screen in its optimum condition may differ from the initial setting.
2. Do not change the initial setting values of the setting (Adjustment) items not listed in "ADJUSTMENT".

● PICTURE MODE

- ✧ The four setting items in the video mode No.7 EXT BRI., No.8 EXT PIC., No.11 EXT TINT and No.12 EXT COL. are linked to the items in the TV MODE No.1 BRIGHT, No.2 PICTURE, No.5 TINT and No.6 COLOR, respectively. When the setting items in the TV mode are adjusted, the values in the setting items in the video mode are revised automatically to the same values in the TV mode.(The initial setting values given in () are off-set values.)
- ✧ When the four items (No.7, 8, 11 and 12) are adjusted in the video mode, the setting values in each item are revised independently.

No.	Setting (Adjustment) items	Variable range	initial setting value
1.	BRIGHT	0 ~ 127	64
2.	PICTURE	0 ~ 127	77
3.	TV DTL(TV DETAIL)	0 ~ 63	26
4.	TV BPF(TV B.P.FILTER)	0 / 1	0
5.	TINT	0 ~ 127	66
6.	COLOR	0 ~ 127	50
7.	EXT BRI.(EXT.BRIGHT)	±25	(-2)
8.	EXT PIC.(EXT.PICTURE)	±25	(±0)
9.	EXT DTL(EXT.DETAIL)	0 ~ 63	26
10.	EXT BPF(EXT.B.P.FILTER)	0 / 1	0
11.	EXT TINT	±25	(±0)
12.	EXT COL.(EXT.COLOR)	±25	(+1)
13.	V SIZE	0 ~ 63	38
14.	V CENT.(V.CENTER)	0 ~ 7	0
15.	H POS.(H.POSITION)	0 ~ 31	18
16.	OSD HP (OSD H POSITION)	0 ~ 31	23
17.	OSD VP (OSD V POSITION)	0 ~ 15	14
18.	H. AFC	0 / 1	0
19.	RF AGC	0 ~ 63	40

● SOUND MODE

No.	Setting (Adjustment) item	Variable range	Initial setting value
1.	IN LEVEL (INPUT LEVEL)	0~63	29
2.	FH MON. (FM MONITOR)	0 / 1	0
3.	ST VCO (STEREO VCO)	0~63	20
4.	PILOT (PILOT CANCELER)	0 / 1	0
5.	FILTER	0~63	25
6.	LOW SEP. (LOW SEPARATION)	0~63	32
7.	HI SEP. (HI SEPARATION)	0~63	16
8.	5FH MON. (5FH MONITOR)	0 / 1	0
9.	SAP VCO	0~63	14
10.	FIL. OFF.	±10	0

● GAME MODE

Setting (Adjustment) item	Variable range	Initial setting value
TINT	± 20	± 0
COLOR	± 20	± 0
PICTURE	± 20	-10
BRIGHT	± 20	-5
DETAIL	± 15	+5

● LOW LIGHT MODE

Setting (Adjustment) item	Variable range	initial setting value
R CUTOFF	0 ~ 255	20
G CUTOFF	0 ~ 255	20
B CUTOFF	0 ~ 255	20

● HIGH LIGHT MODE

Setting (Adjustment) item	Variable range	initial setting value
G DRIVE	0 ~ 255	128
B DRIVE	0 ~ 255	128

● RF AFC CHK MODE

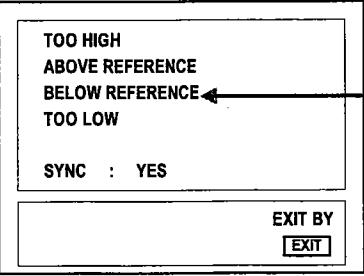
Setting (Adjustment) item	Variable range	initial setting value
RF AFC	ON / OFF	ON
FINE	-77 ~ +77	$\pm \times \times$ (DO NOT ADJUST)

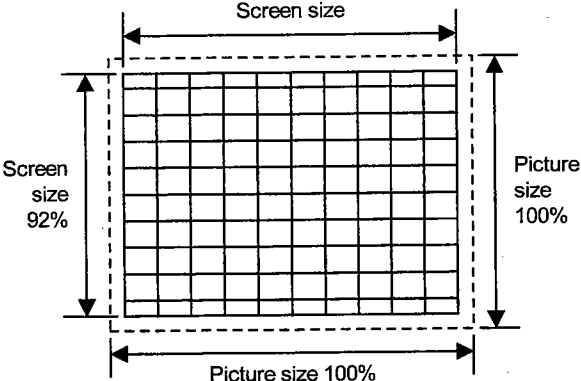
■ ADJUSTMENTS

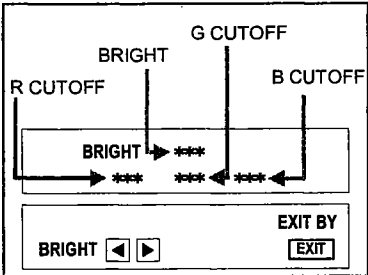
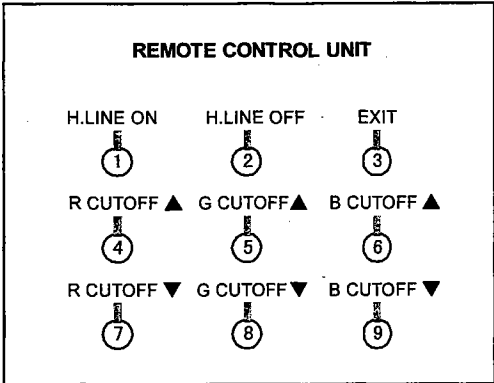
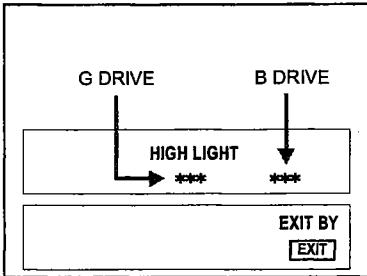
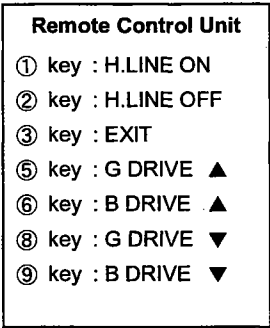
B1 POWER SUPPLY

Item	Measuring instrument	Test point	Adjustment part	Description
Check of B1 POWER SUPPLY	DC Voltmeter	TP-91 (B1) TP-E(⊥)		1. Receive a black-and-white signal. 2. Connect the DC Voltmeter to TP-91 (B1) and TP-E(⊥). 3. Confirm that the voltage is DC134V $\begin{smallmatrix} +2V \\ -2.5V \end{smallmatrix}$.

ADJUSTMENT OF VIDEO / DEF. CIRCUIT

Item	Measuring instrument	Test point	Adjustment part	Description
IF VCO adjustment	Signal generator		CW TRANSF. (T131) [VCO(CW)] MODE	● Under normal conditions, no adjustment is required. 1. Receive a NTSC broadcast. (use channels without offset frequency). 2. Select the VCO(CW) mode from the SERVICE MENU. 3. Confirm the color change (yellow) from "TOO HIGH" to "TOO LOW" by CW TRANSF. and "SYNC : YES" being shown on the screen. Then, adjust CW TRANSF. until "BELOW REFERENCE" mark turns yellow and confirm again " SYNC : YES" being shown on the screen.
				
RF. AGC adjustment			No.19 RF AGC	1. Receive a broadcast. 2. Select "No.19 RF AGC" of the PICTURE MODE. 3. Press the MUTE key and turn off color. 4. With the MENU LEFT key, get noise in the screen picture. (0 side of setting value). 5. Press the MENU RIGHT key and stop when noise disappears from the screen. 6. Change to other channels and make sure that there is no irregularity. 7. Press the MUTE key and get color out.
FOCUS adjustment	Signal generator		FOCUS VR [In HVT]	1. Receive a crosshatch signal. 2. While looking at the screen, adjust FOCUS VR so that the vertical and horizontal lines will be clear and in fine detail. 3. Make sure that the picture is in focus even when the screen gets darkened.

Item	Measuring instruments	Test point	Adjustment part	Description
V.SIZE Adjustment	Signal generator		No.13 V.SIZE	1. Receive a crosshatch signal. 2. Select No.13 V.SIZE in the PICTURE MODE. 3. Set the initial setting value of No.13 V.SIZE with the LEFT / RIGHT key of the MENU. 4. Adjust No.13 V.SIZE until the vertical screen size is 92%.
				
H.POSITION Adjustment	Signal generator		No.15 H.POS	1. Receive a crosshatch signal. 2. Select the No.15 H.POS of the PICTURE MODE. 3. Set the initial setting value of the No.15 H.POS with the LEFT / RIGHT key of the MENU. 4. Adjust the No.15 H.POS until the screen will be horizontally centered.

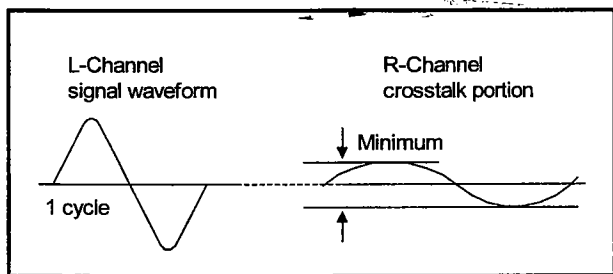
Item	Measuring instruments	Test point	Adjustment part	Description
WHITE BALANCE (Low Light) Adjustment	Signal generator		BRIGHT R. CUTOFF G. CUTOFF B. CUTOFF SCREEN VR [In HVT]	1. Receive a black-and-white signal.(Color off) 2. Select the [LOW LIGHT] MODE from the SERVICE MENU. 3. Set the initial setting value of BRIGHT with the LEFT / RIGHT key of the remote control unit. 4. Set the initial setting value of R CUTOFF, G CUTOFF and B CUTOFF with the ④ to ⑨ key of the remote control unit. 5. Display a single horizontal line by pressing the ① key of the remote control unit. 6. Turn the screen VR all the way to the left. 7. Turn the screen VR gradually to the right from the left until either one of the red, blue or green colors appears faintly. 8. Adjust the two colors which did not appear until the single horizontal line that is displayed becomes white using the ④ to ⑨ keys of the remote control unit. 9. Turn the screen VR to where the single horizontal line glows faintly. 10. Press the ② key to return to the regular screen. * The ③ EXIT key is the cancel key for the WHITE BALANCE.
[LOW LIGHT] MODE  REMOTE CONTROL UNIT 				
WHITE BALANCE (High Light) Adjustment	Signal generator		G. DRIVE B. DRIVE	1. Receive a monoscope pattern signal. 2. Select the [HIGH LIGHT] MODE in the SERVICE MENU. 3. Set the initial setting value of G DRIVE and B DRIVE with the ⑤, ⑥, ⑧ and ⑨ keys of the remote control unit. 4. Adjust the screen until it becomes white using the ⑤, ⑥, ⑧ and ⑨ keys of the remote control unit. * The ③ (EXIT) key is the cancel key for the WHITE BALANCE.
[HIGH LIGHT] MODE  Remote Control Unit 				

Item	Measuring instruments	Test point	Adjustment part	Description
SUB BRIGHT Adjustment			No.1 BRIGHT	1. Receive a broadcast. 2. Select No.1 BRIGHT of the PICTURE MODE. 3. Set the initial setting value of the No.1 BRIGHT with the LEFT / RIGHT key of the MENU. 4. If the brightness is not best with the initial setting value, make fine adjustment of the No.1 BRIGHT until you get the optimum brightness.
SUB CONTRAST Adjustment			No.2 PICTURE	1. Receive a broadcast. 2. Select No.2 PICTURE of the PICTURE MODE. 3. Set the initial setting value of the No.2 PICTURE with the LEFT / RIGHT key of the MENU. 4. If the contrast is not best with the initial setting value, make fine adjustment of the No.2 PICTURE until you get the optimum contrast.
SUB COLOR Adjustment			No.6 COLOR	1. Receive a broadcast. 2. Select No.6 COLOR of the PICTURE MODE. 3. Set the initial setting value of the No.6 COLOR with the LEFT / RIGHT key of the MENU. 4. If the color is not best with the initial setting value, make fine adjustment of the No.6 COLOR until you get the optimum color.
SUB TINT Adjustment			No.5 TINT	1. Receive a broadcast. 2. Select No.5 TINT of the PICTURE MODE. 3. Set the initial setting value of the No.5 TINT with the LEFT / RIGHT key of the MENU. 4. If the tint is not best with the initial setting value, make fine adjustment of the No.5 TINT until you get the optimum tint.

ADJUSTMENT OF MTS CIRCUIT

Item	Measuring instrument	Test point	Adjustment part	Description
MTS INPUT LEVEL check			No.1 IN LEVEL	1. Select the "No.1 IN LEVEL" of the SOUND MODE. 2. Verify that the "No.1 IN LEVEL" is set at its initial setting value.
MTS STEREO VCO adjustment	Signal generator Frequency counter	R OUT [AUDIO OUT]	No.2 FH MON. No.3 ST VCO	1. Receive a RF signal (nonmodulated sound signal) from the antenna terminal. 2. Select the "No.2 FH MON." of SOUND MODE, and change the setting value from 0 to 1. 3. Connect the Frequency Counter to R OUT RCA pin of the AUDIO OUT. 4. Select the "No.3 ST VCO". 5. Set the initial setting value of the "No.3 ST VCO" with the LEFT/RIGHT key of the menu. 6. Adjust the "No.3 ST VCO" so that the Frequency Counter will display $15.73\text{kHz} \pm 0.1\text{kHz}$. 7. Select the "No.2 FH MON." of the SOUND MODE, and reset the setting value from 1 to 0.

Item	Measuring instrument	Test point	Adjustment part	Description
MTS SAP VCO adjustment	Signal generator Frequency counter	[MPX] Connector [4] pin SDA [3] pin GND R OUT [AUDIO OUT]	No.8 5FH MON. No.9 SAP VCO	1. Receive a RF signal (non modulated sound signal) from the antenna terminal. 2. Connect between pin [4] of [MPX] connector and GND (Pin [3] of [MPX] connector) through 1MΩ Resistor. 3. Select the "No.8 5FH MON." of the SOUND MODE, and reset the setting value from 0 to 1. 4. Connect the Frequency Counter to R OUT RCA pin of the AUDIO OUT. 5. Select the "No.9 SAP VCO". 6. Set the initial setting value of "No.9 SAP VCO" with the LEFT/RIGHT key of the menu. 7. Adjust the "No.9 SAP VCO" so that the Frequency Counter will display 78.67kHz$\pm$0.5kHz. 8. Select the "No.8 5FH MON." of the SOUND MODE, and reset the setting value from 1 to 0.
MTS FILTER check			No.5 FILTER	1. Select the "No.5 FILTER" of the SOUND MODE. 2. Verify that the "No.5 FILTER" is set at its initial setting value.
MTS SEPARATION adjustment	TV audio multiplex signal generator Oscilloscope	L OUT R OUT [AUDIO OUT]	No.6 LOW SEP. No.7 HI SEP.	1. Input a stereo L signal (300Hz) from the TV audio multiplex signal generator to the antenna terminal. 2. Connect an oscilloscope to L OUT RCA pin of the AUDIO OUT, and display one cycle portion of the 300Hz signal. 3. Change the connection of the oscilloscope to R OUT RCA pin of the AUDIO OUT, and enlarge the voltage axis. 4. Select the "No.6 LOW SEP." of the SOUND MODE. 5. Set the initial setting value of the "No.6 LOW SEP." with the LEFT/RIGHT key of the menu. 6. Adjust the "No.6 LOW SEP." so that the stroke element of the 300Hz signal will become minimum. 7. Change the signal to 3kHz, and similarly adjust the "No.7 HI SEP."



HOW TO CHECK THE HIGH VOLTAGE HOLD DOWN CIRCUIT

1. HIGH VOLTAGE HOLD DOWN CIRCUIT

After repairing the high voltage hold down circuit shown in Fig. 1.
This circuit shall be checked to operate correctly.

2. CHECKING OF THE HIGH VOLTAGE HOLD DOWN CIRCUIT

- (1) Turn the POWER SW ON.
- (2) As shown in Fig. 1, set the resistor (between ☐ connector ☐ 1 & ☐ 3).
- (3) Make sure that the screen picture disappears.
- (4) Temporarily unplug the power cord.
- (5) Remove the resistor (between ☐ connector ☐ 1 & ☐ 3).
- (6) Again plug the power cord, make sure that the normal picture is displayed on the screen.

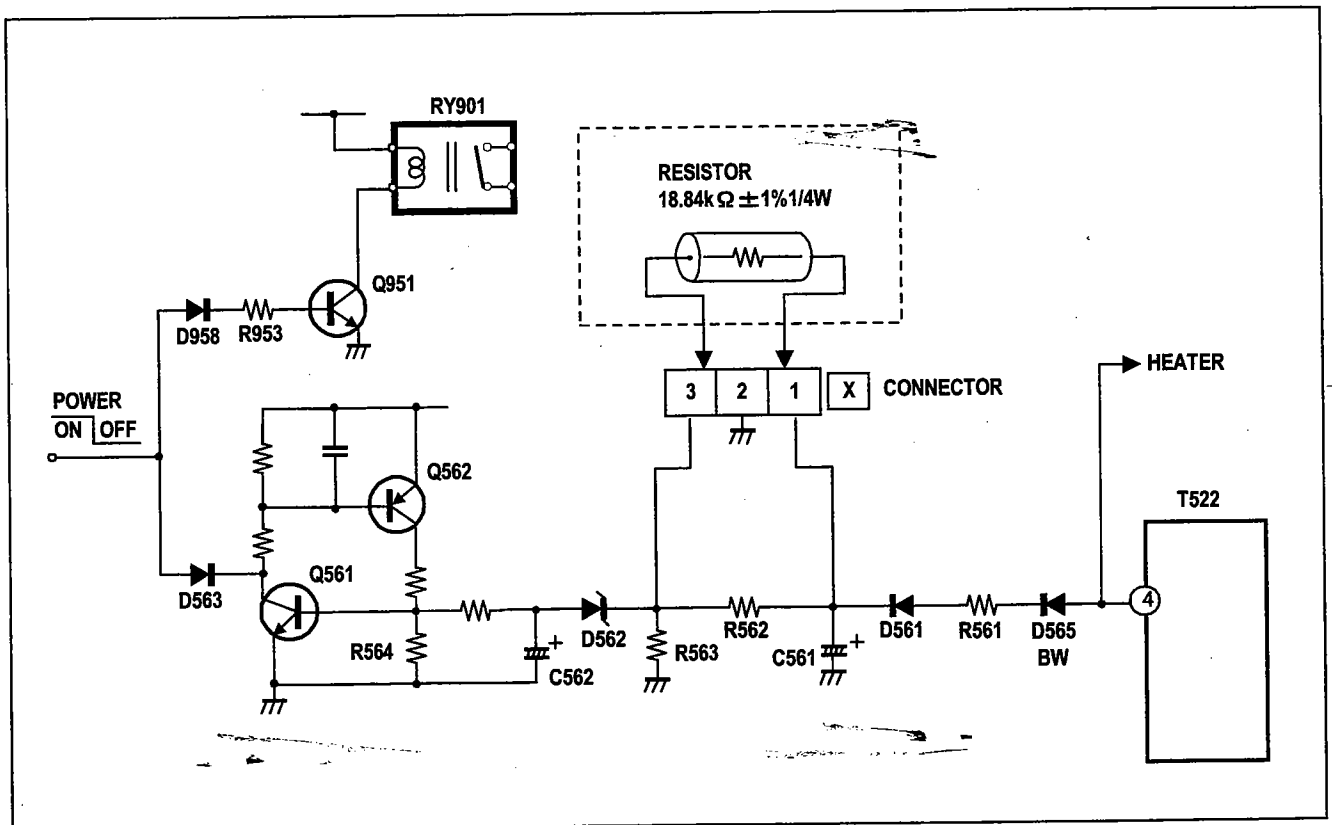


Fig. 1

SELF CHECK FUNCTIONS

1. Outline

This model has self check functions given below. When a malfunction has been detected, the POWER is turned off and the LED flashes to inform of the failure. The malfunction is detected by the signal input state of the control line connected to the microcomputer.

2. Self check items

Check item	Details of detection	Method of detection	State of malfunction
CRT NECK protector (Also detected if the power supply line output from the HVT (High voltage Transformer) has shorted with the ground.)	When the vertical circuit S-correction capacitor C427 is shorted, detect the potential drop of the C427, and prevent the burn damage to the CRT NECK. (Grounding of shorting of the power supply output from the HVT to the vertical circuit, and the small signal power supply is also detected.)	The microcomputer detects at 1 second intervals. If NG is detected for more than 1 ms, a malfunction is interpreted.	When a malfunction has been detected, the POWER is turned off. While the POWER is being turned off, the power key of the remote controller is not operational until the power code is taken out and put in again.

3. Self check indicating function

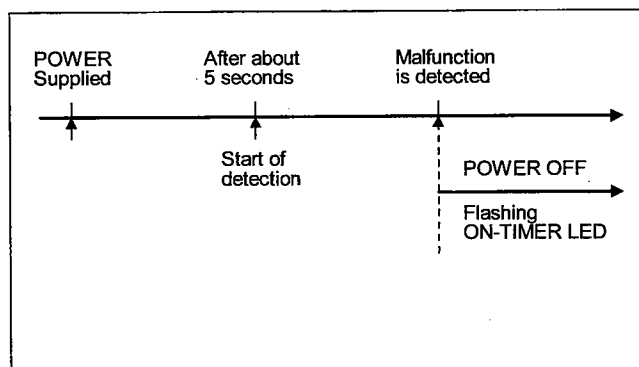
The self-check function begins detection about 5 seconds after power is supplied.

In the event a malfunction is detected, the power is cut off immediately.

At this time, the ON-TIMER LED flashes to inform of the malfunction.

[ON-TIMER LED indication]

The ON-TIMER LED flashes at 0.5 seconds intervals.



REPLACEMENT OF CHIP COMPONENT

■ CAUTIONS

1. Avoid heating for more than 3 seconds.
2. Do not rub the electrodes and the resist parts of the pattern.
3. When removing a chip part, melt the solder adequately.
4. Do not reuse a chip part after removing it.

■ SOLDERING IRON

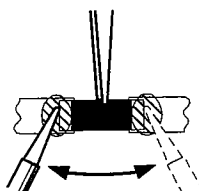
1. Use a high insulation soldering iron with a thin pointed end of it.
2. A 30w soldering iron is recommended for easily removing parts.

■ REPLACEMENT STEPS

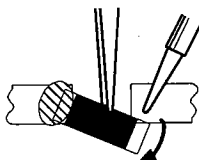
1. How to remove Chip parts

◆ Resistors, capacitors, etc.

- (1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.



- (2) Shift with tweezers and remove the chip part.

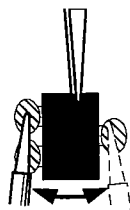


◆ Transistors, diodes, variable resistors, etc.

- (1) Apply extra solder to each lead.



- (2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.



Note : After removing the part, remove remaining solder from the pattern.

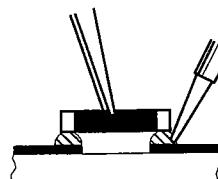
2. How to install Chip parts

◆ Resistors, capacitors, etc.

- (1) Apply solder to the pattern as indicated in the figure.

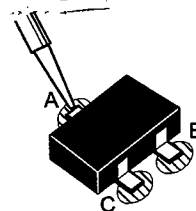


- (2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

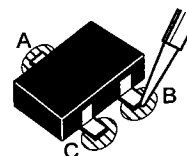


◆ Transistors, diodes, variable resistors, etc.

- (1) Apply solder to the pattern as indicated in the figure.
- (2) Grasp the chip part with tweezers and place it on the solder.
- (3) First solder lead **A** as indicated in the figure.



- (4) Then solder leads **B** and **C**.



AV-27120(US&CA) / (A US&A CA) / AV-27115(US&CA) / (A US&A CA) STANDARD CIRCUIT DIAGRAM

NOTE ON USING CIRCUIT DIAGRAMS

1. SAFETY

The components identified by the Δ symbol and shading are critical for safety. For continued safety replace safety critical components only with manufactures recommended parts.

2. SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

- (1) Input signal : Color bar signal
 - (2) Setting positions of each knob/button and variable resistor : Original setting position when shipped
 - (3) Internal resistance of tester : DC 20k Ω / V
 - (4) Oscilloscope sweeping time : H $\Rightarrow$ 20 μ S/div
: V $\Rightarrow$ 5mS/div
: Others $\Rightarrow$ Sweeping time is specified
 - (5) Voltage values : All DC voltage values
- * Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3. INDICATION OF PARTS SYMBOL [EXAMPLE]

- In the PW board : R1209 $\rightarrow$ R209

4. INDICATIONS ON THE CIRCUIT DIAGRAM

(1) Resistors

● Resistance value

- No unit : [Ω]
- K : [K Ω]
- M : [M Ω]

● Rated allowable power

- No indication : 1/10[W]
- Others : As specified

● Type

- No indication : Carbon resistor
- OMR : Oxide metal film resistor
- MFR : Metal film resistor
- MPR : Metal plate resistor
- UNFR : Uninflamable resistor
- FR : Fusible resistor

* Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2) Capacitors

● Capacitance value

- 1 or higher : [pF]
- less than 1 : [μ F]

● Withstand voltage

- No indication : DC50[V]
- AC indicated : AC withstand voltage [V]
- Others : DC withstand voltage [V]

* Electrolytic Capacitors

47/50[Example]: Capacitance value [μ F]/withstand voltage[V]

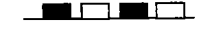
● Type

- No indication : Ceramic capacitor
- MY : Mylar capacitor
- MM : Metalized mylar capacitor
- PP : Polypropylene capacitor
- MPP : Metalized polypropylene capacitor
- MF : Metalized film capacitor
- TF : Thin film capacitor
- BP : Bipolar electrolytic capacitor
- TAN : Tantalum capacitor

(3) Coils

- No unit : [μ H]
- Others : As specified

(4) Power Supply

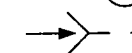
-  : B1
-  : 9V
-  : 5V

* Respective voltage values are indicated

(5) Test point

-  : Test point
-  : Only test point display

(6) Connecting method

-  : Connector
-  : Wrapping or soldering
-  : Receptacle

(7) Ground symbol

-  : LIVE side ground
-  : ISOLATED(NEUTRAL) side ground
-  : EARTH ground
-  : DIGITAL ground

5. NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : ($\perp$) side GND and the ISOLATED(NEUTRAL) : ($\downarrow$) side GND. Therefore, care must be taken for the following points.

- (1) Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. If the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.
- (2) Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected, a fuse or any parts will be broken.

◇ Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.

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MAIN PWB, CRT SOCKET PWB CIRCUIT DIAGRAM 2-11

PATTERN DIAGRAMS

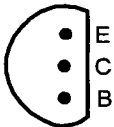
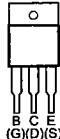
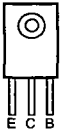
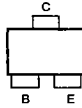
MAIN PWB, CRT SOCKET PWB PATTERN [AV-27120] 2-13

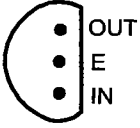
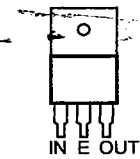
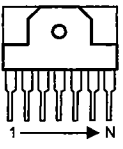
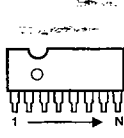
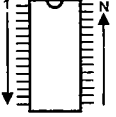
MAIN PWB, CRT SOCKET PWB PATTERN [AV-27115] 2-15

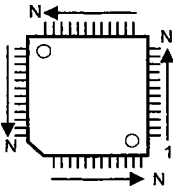
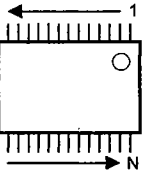
CHANNEL CHART (US) 2-17

CHANNEL CHART (CA) 2-18

SEMICONDUCTOR SHAPES

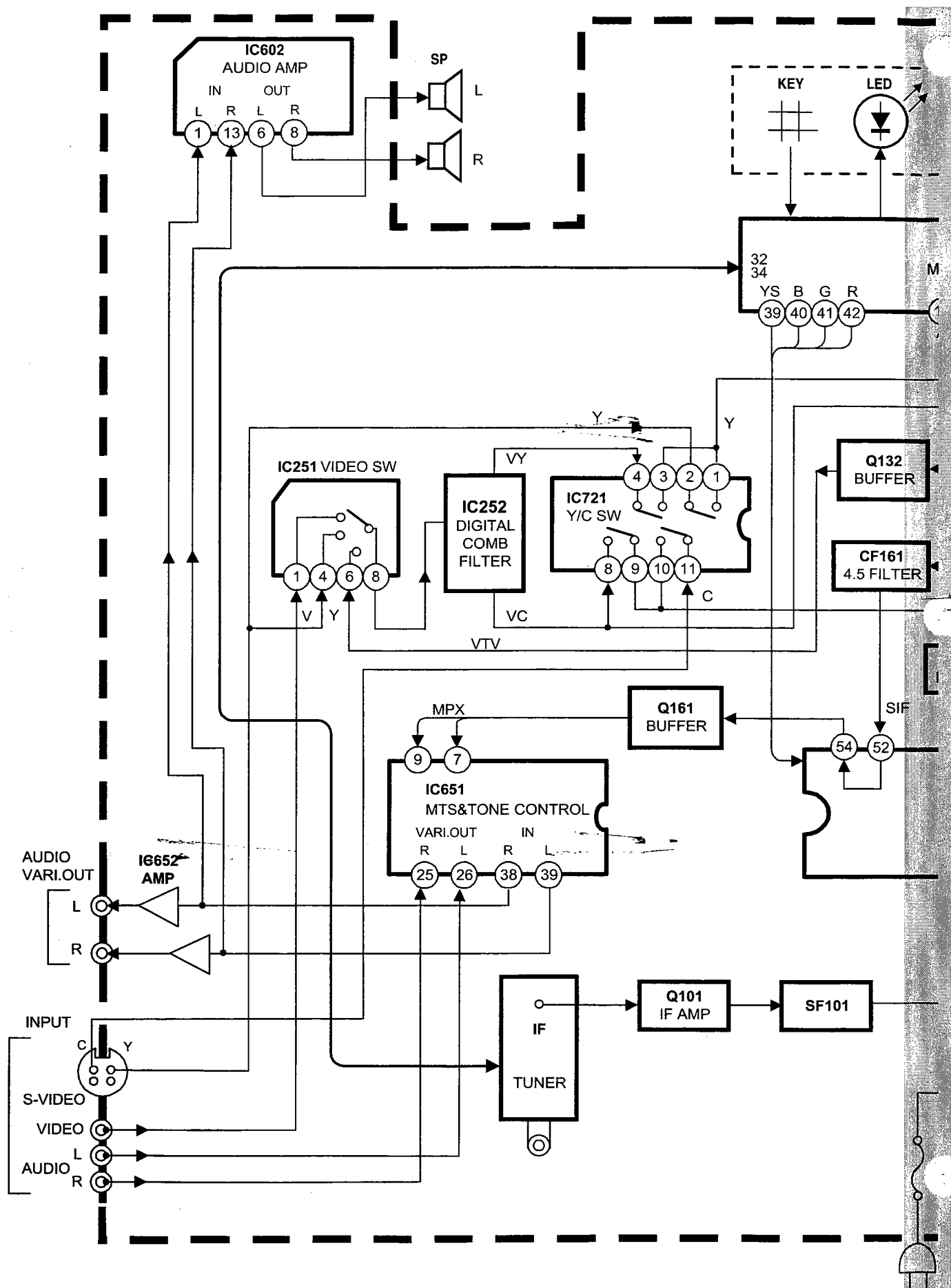
TRANSISTOR					
BOTTOM VIEW	FRONT VIEW				TOP VIEW
					CHIP TR 

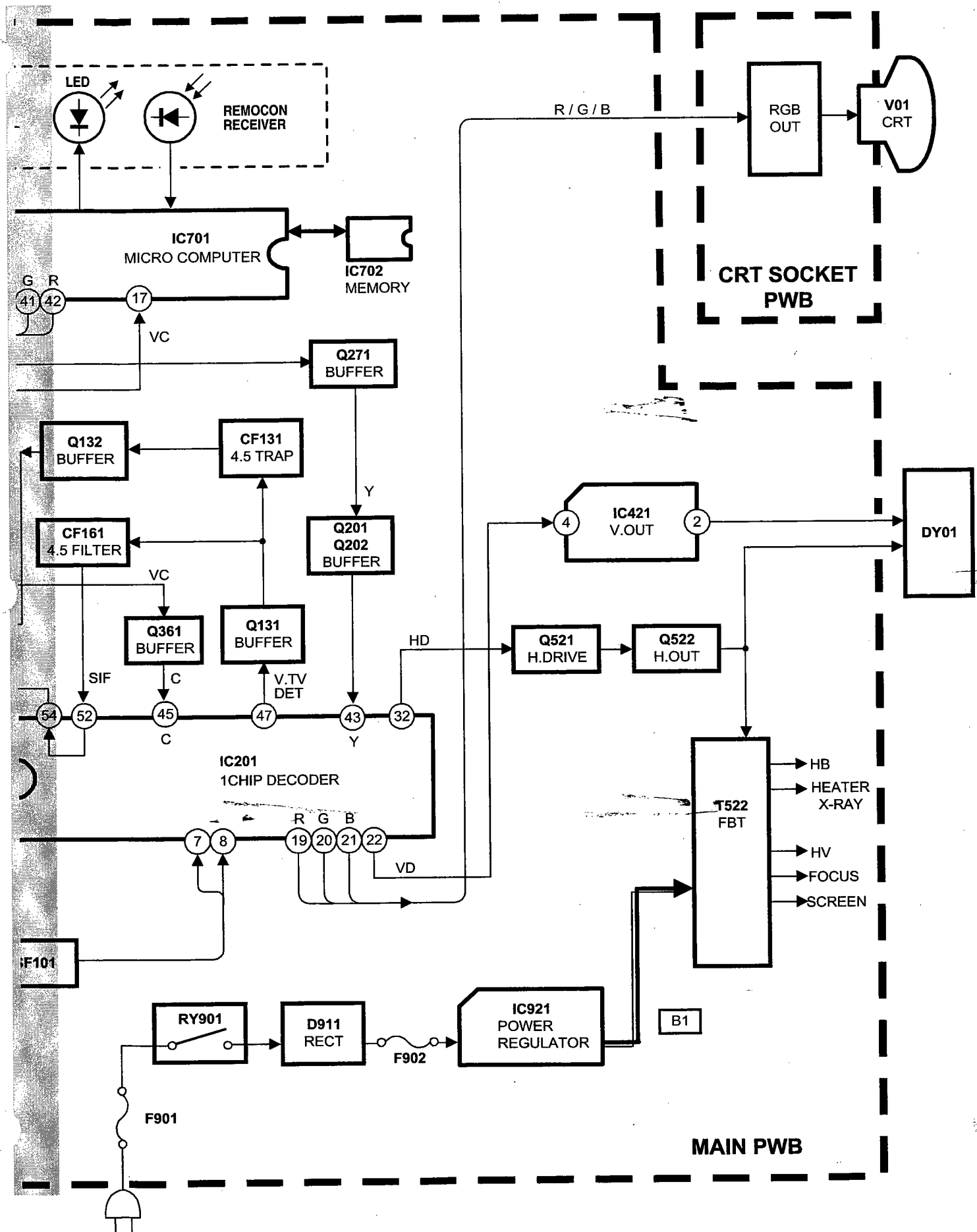
IC				
BOTTOM VIEW	FRONT VIEW			TOP VIEW
				

CHIP IC		
TOP VIEW		
		

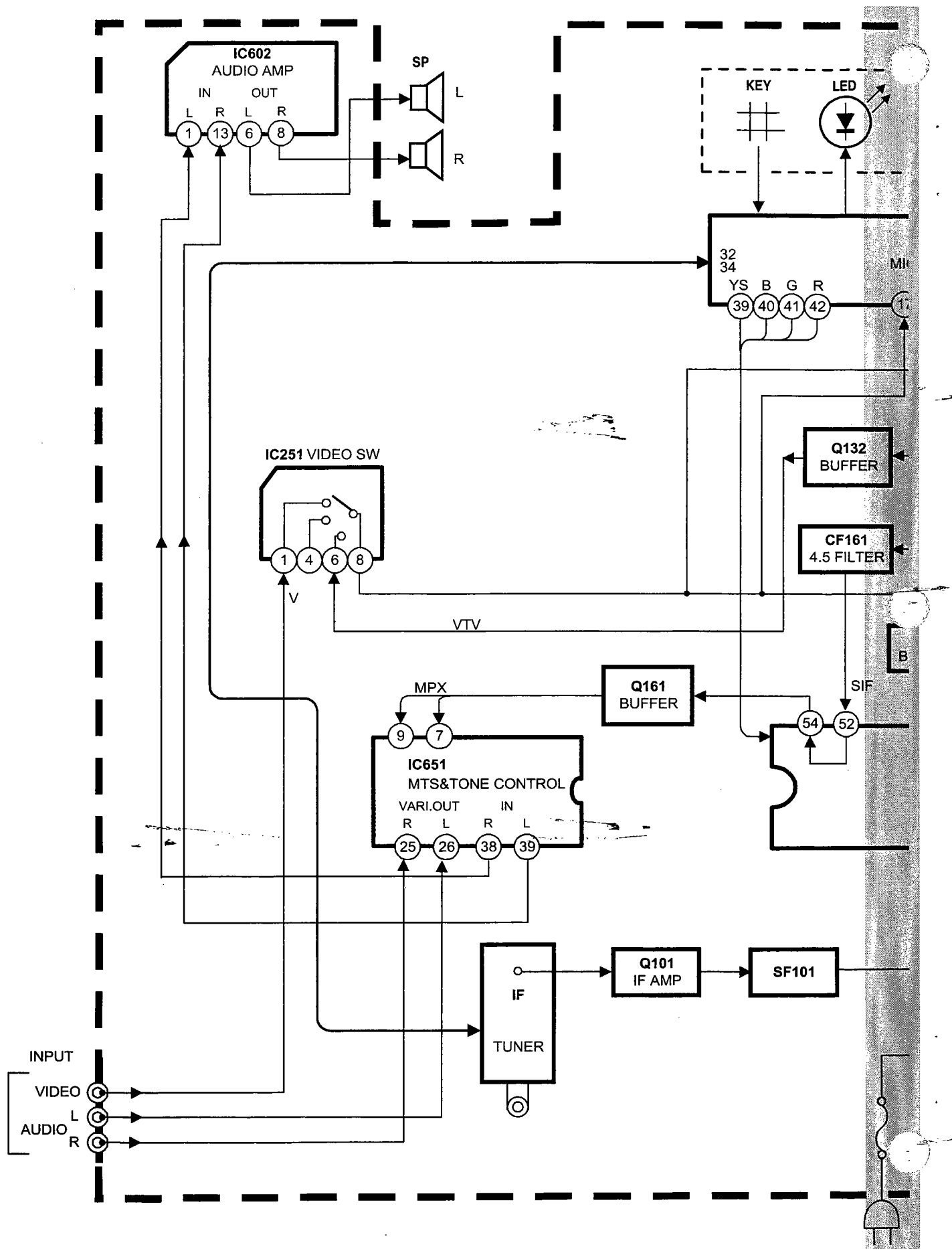
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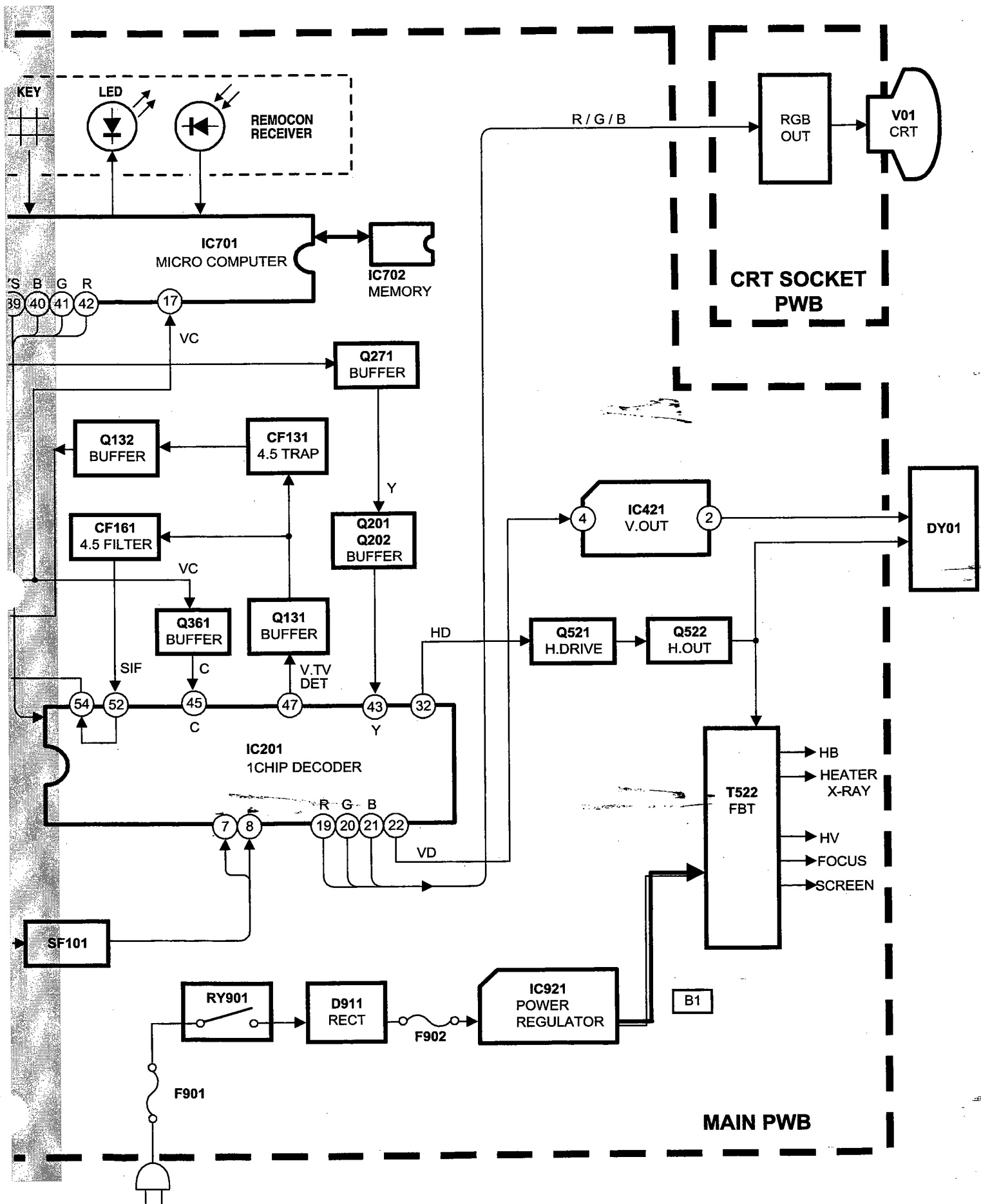
BLOCK DIAGRAM [AV-27120]





BLOCK DIAGRAM [AV-27115]





CIRCUIT DIAGRAMS

MAIN PWB CIRCUIT DIAGRAM

AV-27120

MAIN PWB

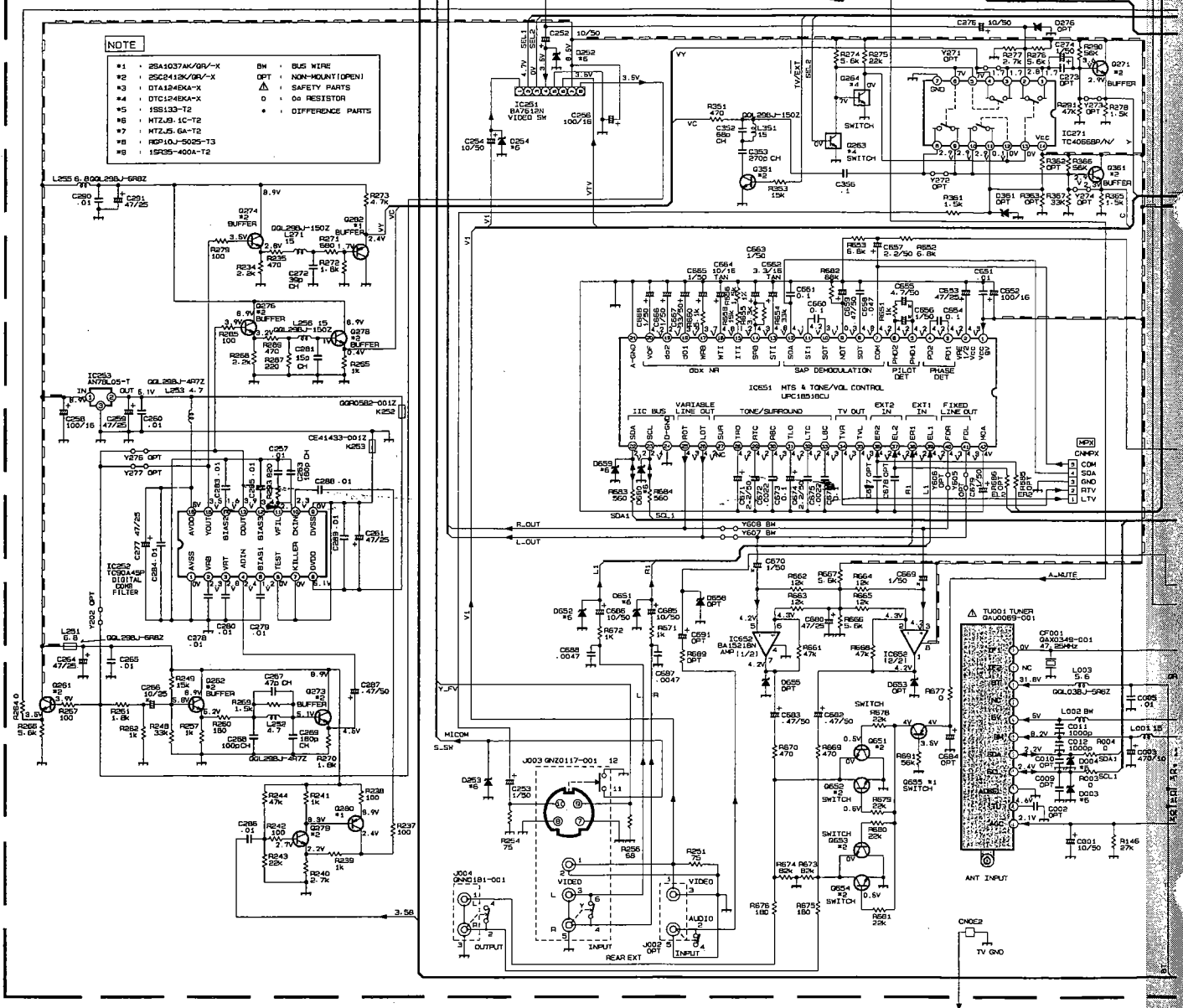
SFV-1031A-M2

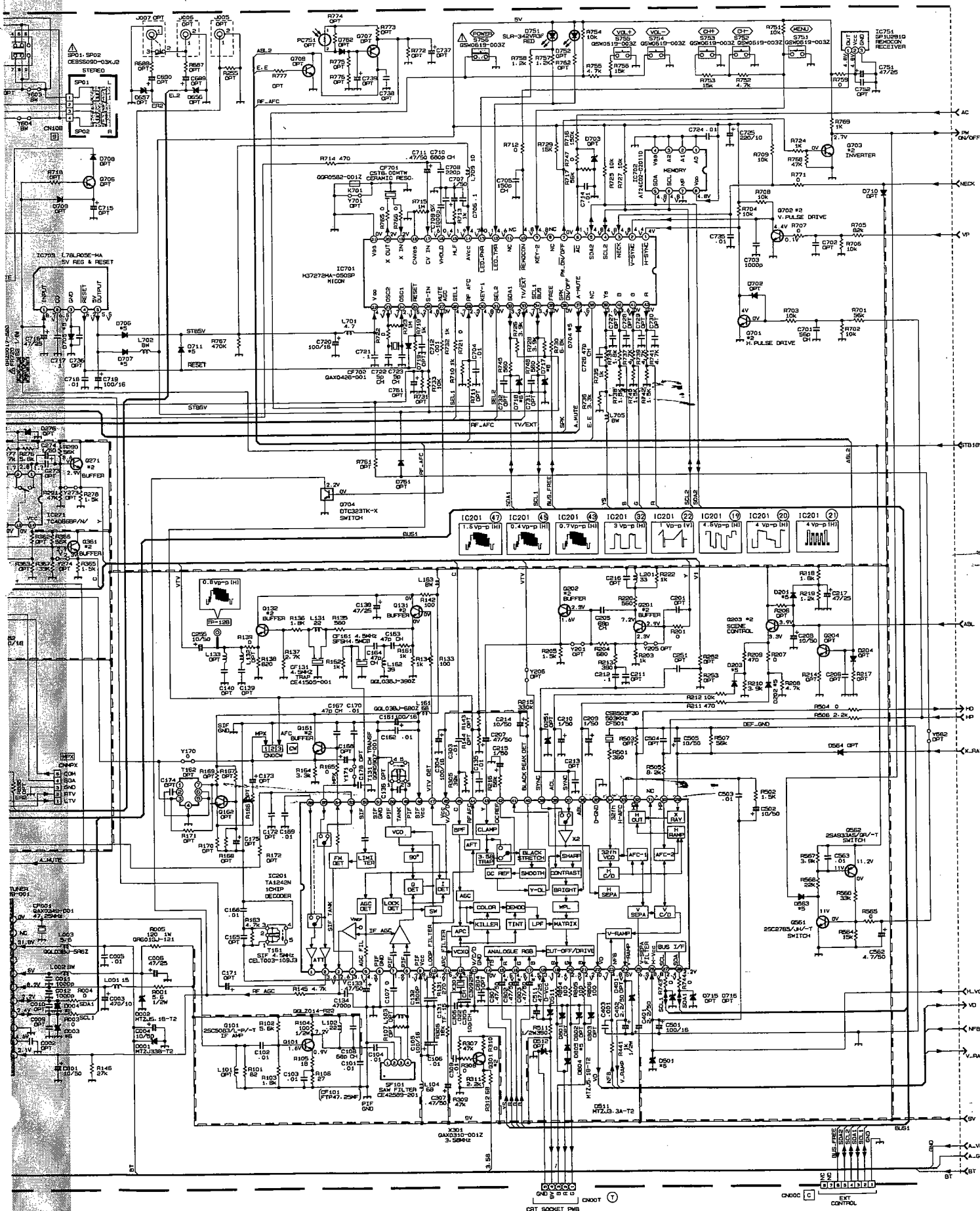
(AV-27120 US/CA)

SFV-1033A-M2

(AV-27120 A US/A CA)

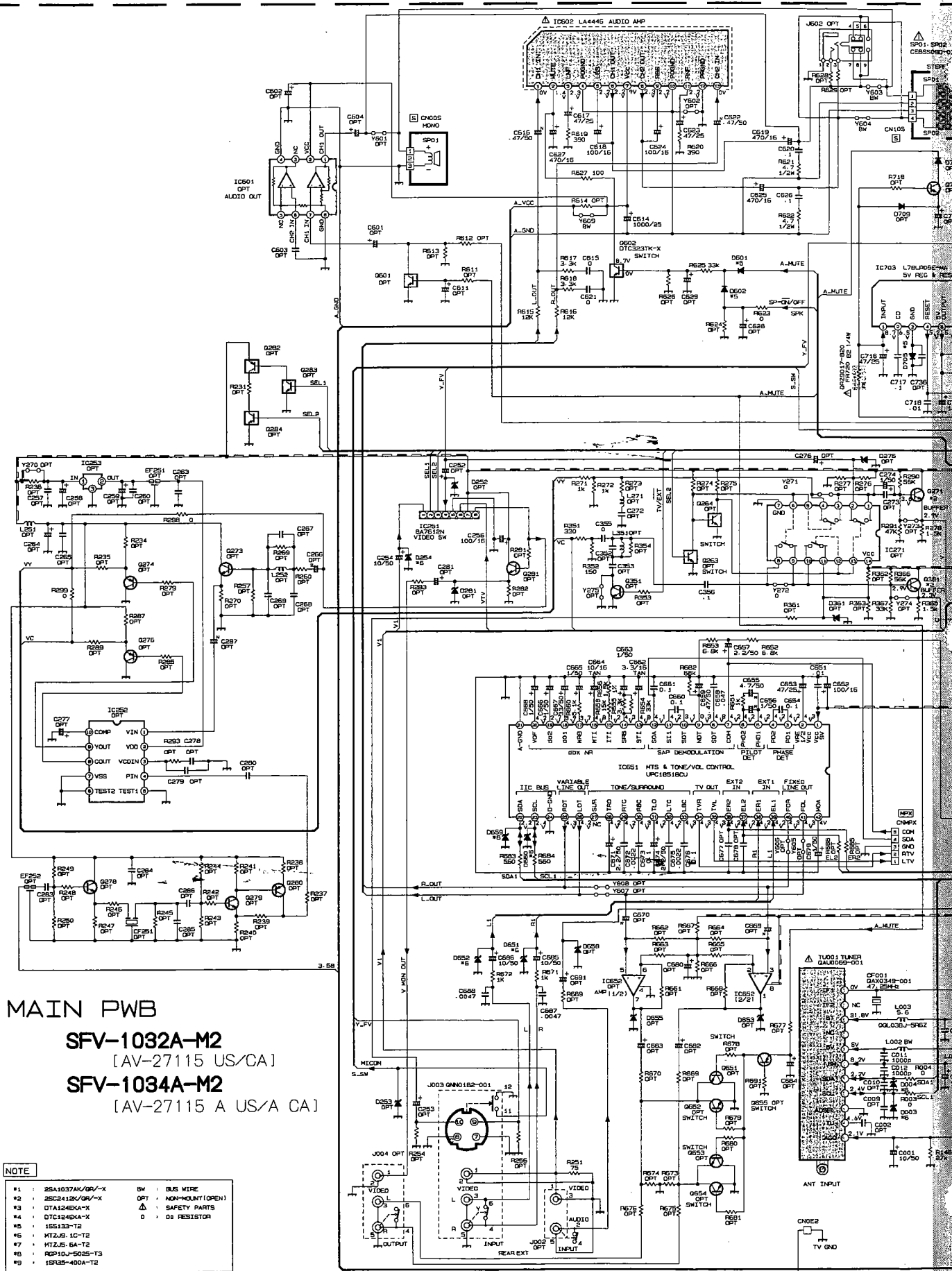
- NOTE**
- #1 • 25A1037AK/GR-V-X BW • BUS WIRE
 - #2 • 25C2413K/GR-V-X DPT • NON-MOUNT (OPEN)
 - #3 • 0T1A124K4-X D • SAFETY PARTS
 - #4 • 0T1C124K4-X 0 • ON RESISTOR
 - #5 • 1S5133-T2 • DIFFERENCE PARTS
 - #6 • HT2J5-1C-T2
 - #7 • HT2J5-6A-T2
 - #8 • R0P10J-5025-T3
 - #9 • 1S025-400A-T2

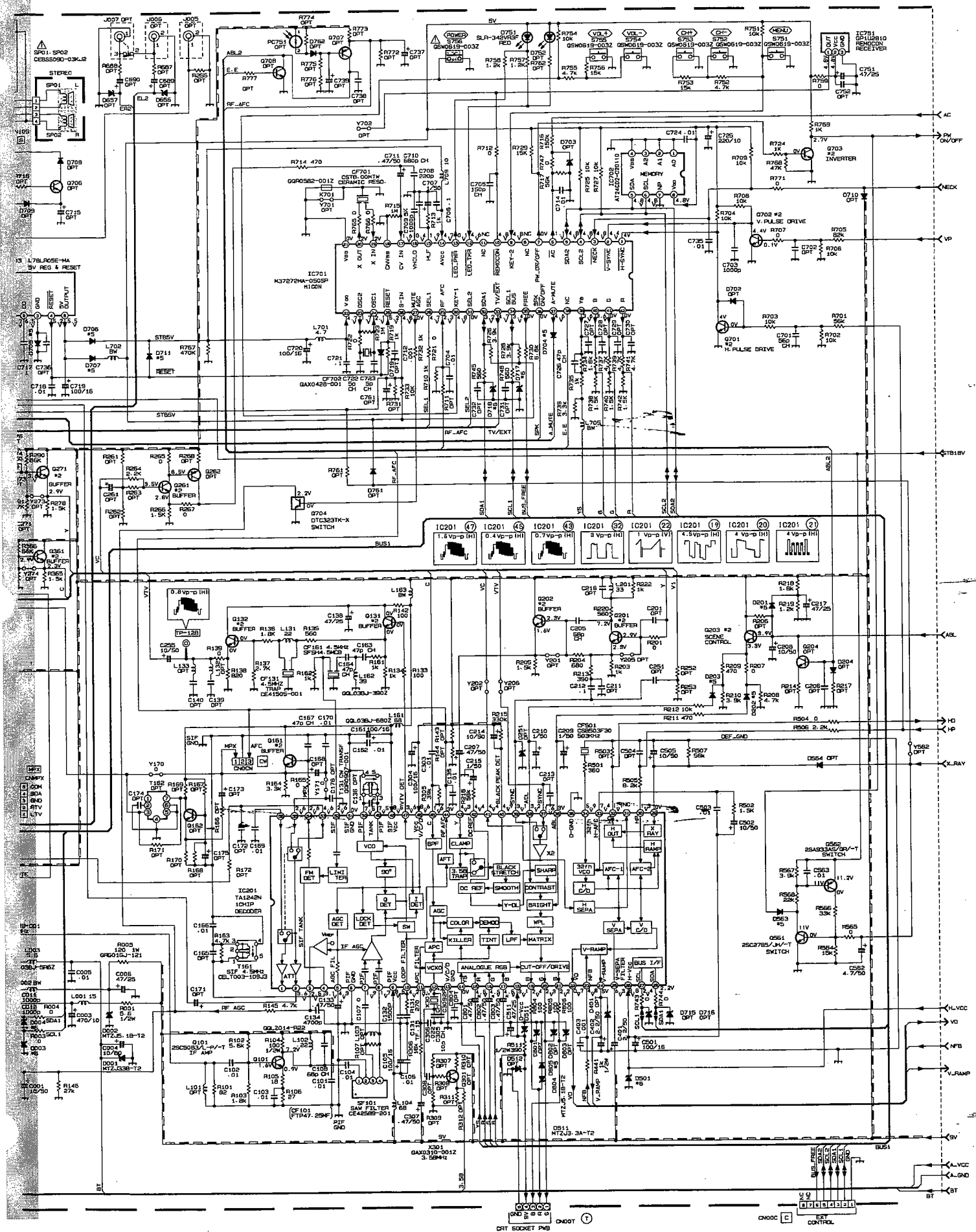




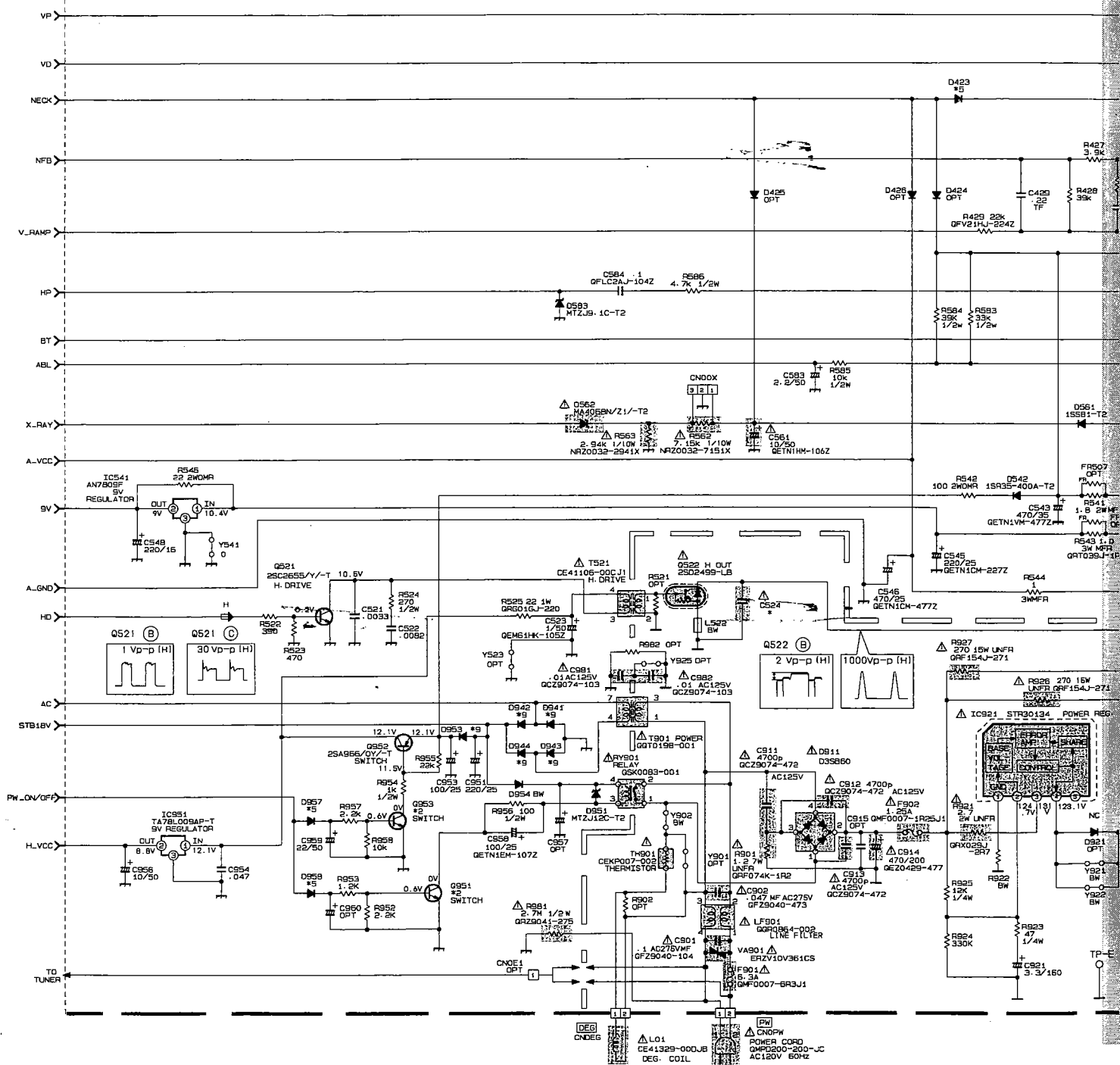
MAIN PWB CIRCUIT DIAGRAM

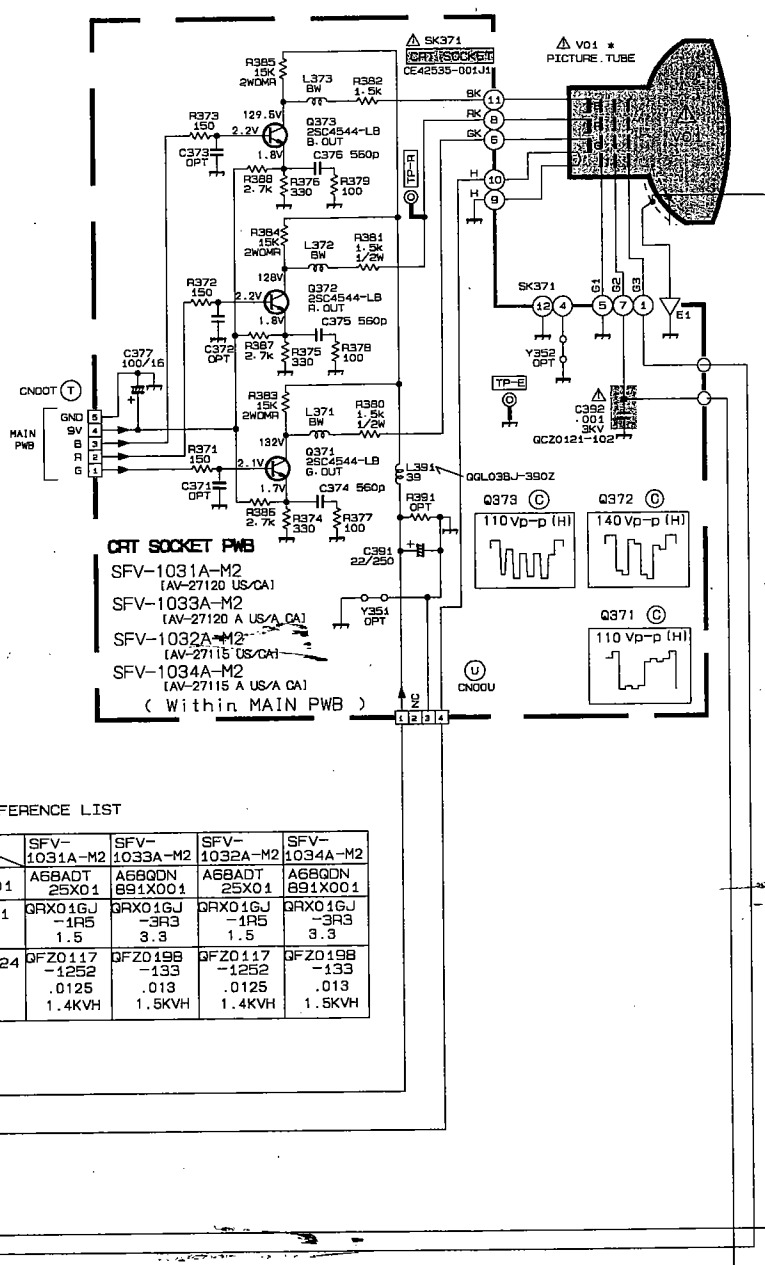
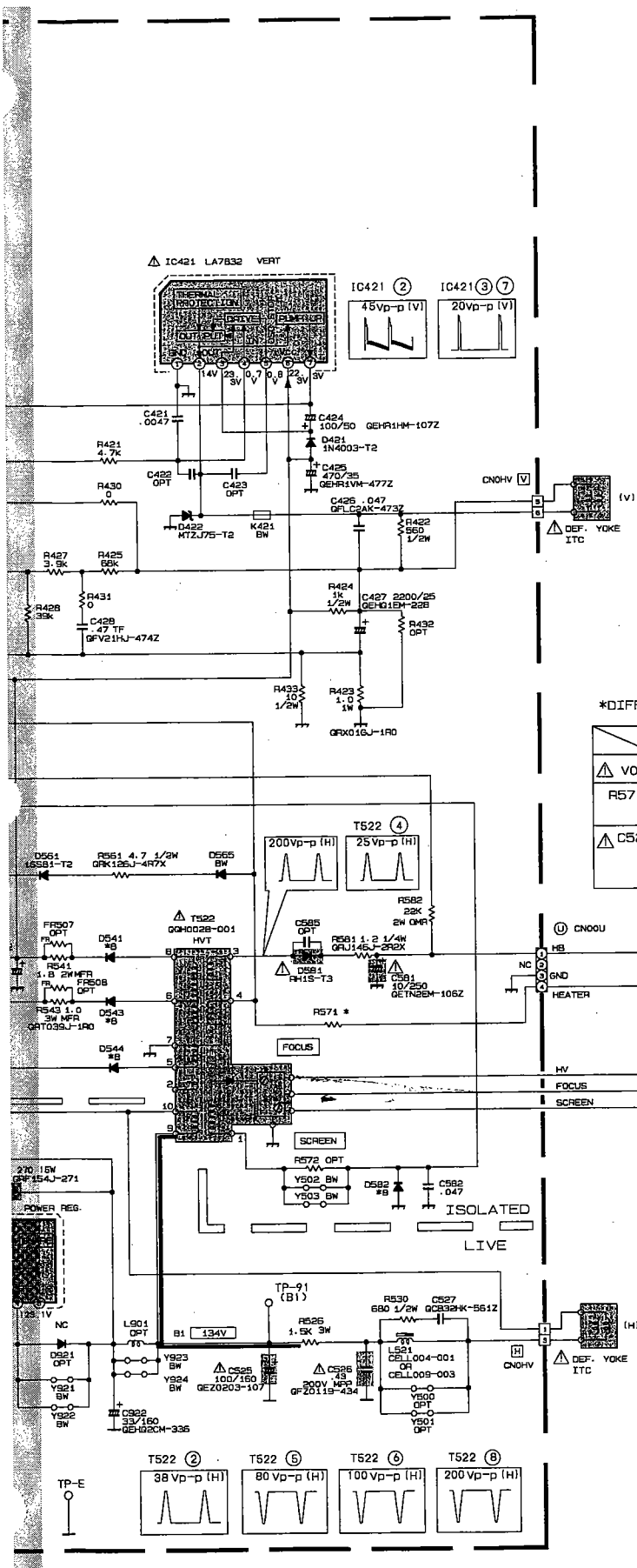
AV-27115





SFV-1031A-M2 [AV-27120 US/CA]
SFV-1033A-M2 [AV-27120 A US/A CA]
SFV-1032A-M2 [AV-27115 US/CA]
SFV-1034A-M2 [AV-27115 A US/A CA]





*DIFFERENCE LIST				
	SFV- 1031A-M2	SFV- 1033A-M2	SFV- 1032A-M2	SFV- 1034A-M2
△ V01	A68ADT 25X01	A68QDN 891X001	A68ADT 25X01	A68QDN 814X001
R571	QRX016J -1R5 1.5	QRX016J -3R3 3.3	QRX016J -1R5 1.5	QRX016J -3R3 3.3
△ C524	QFZ0117 -1252 .0125 1.4KVH	QFZ0198 -133 .013 1.5KVH	QFZ0117 -1252 .0125 1.4KVH	QFZ0198 -133 .013 1.5KVH

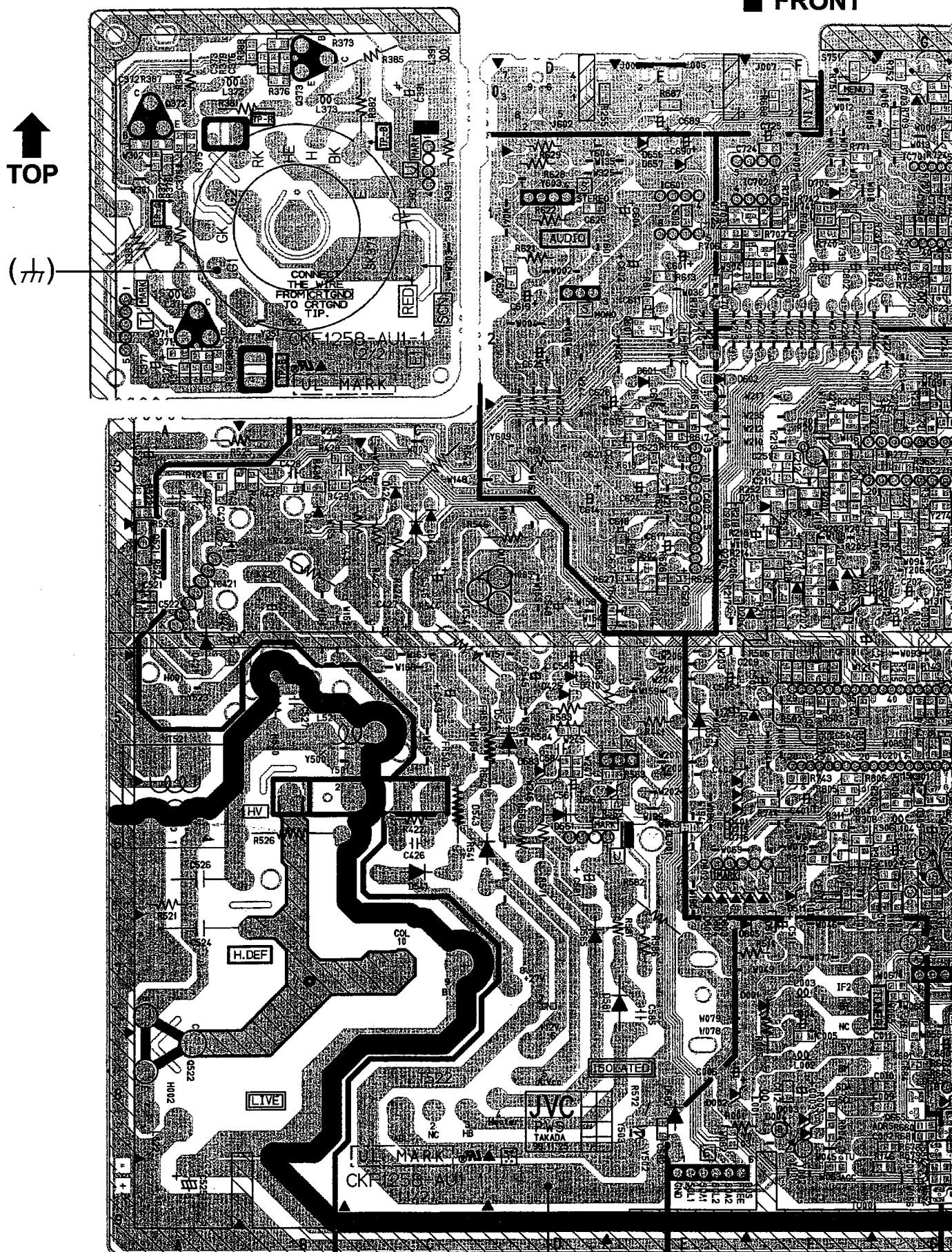
NOTE

- ```

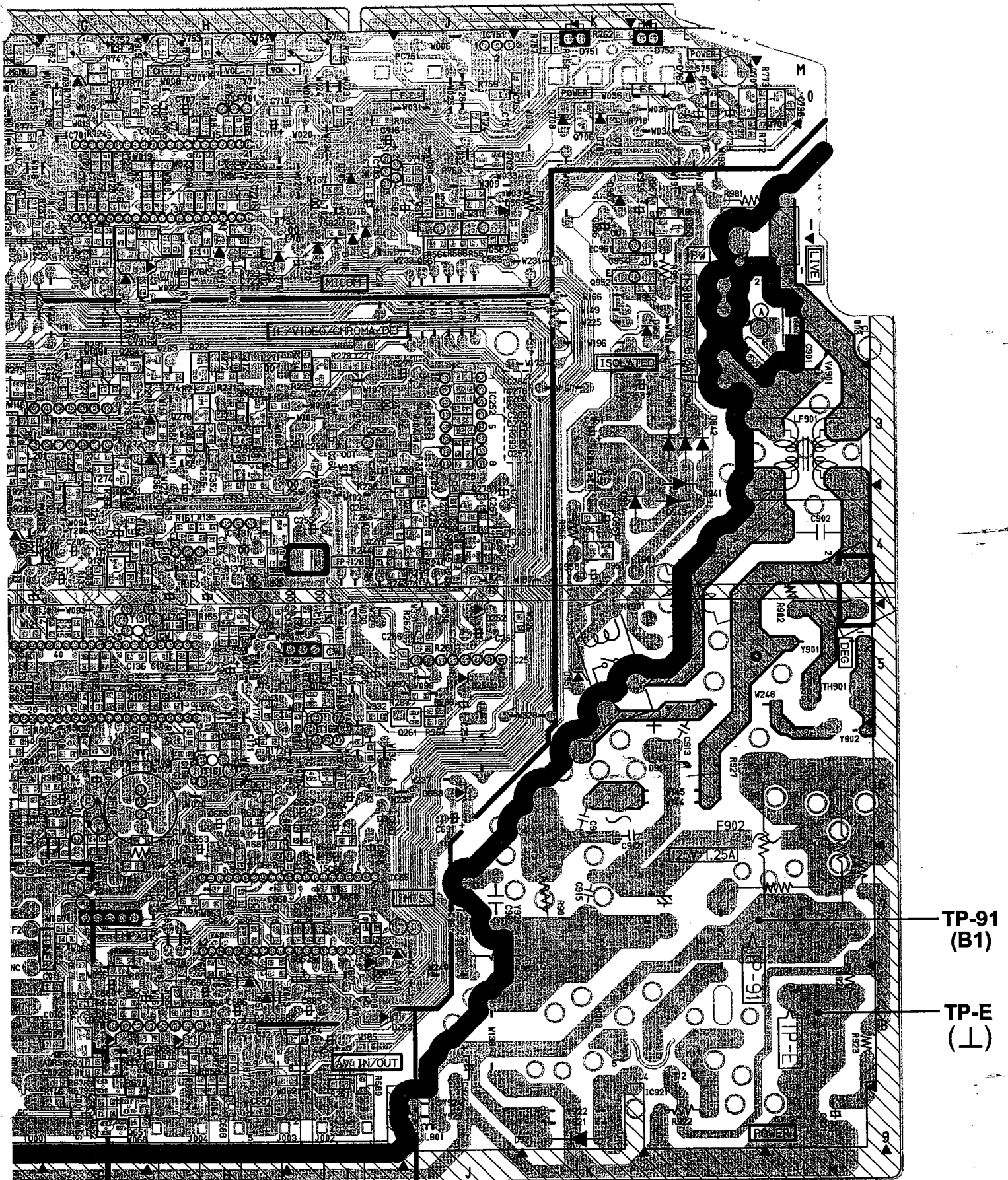
*1 : 2SA1037AK/QR/-X BW : BUS WIRE
*2 : 2SC2412K/QR/-X OPT : NON-MOUNT (OPEN)
*3 : DTA124EKA-X Δ : SAFETY PARTS
*4 : DTC124EKA-X O : 0Ω RESISTOR
*5 : 1SS133-T2 * : DIFFERENCE PARTS
*6 : MTZJ9. 1C-T2
*7 : MTZJ5. 6A-T2
*8 : RGP10J-5025-T3
*9 : 1SR35-400A-T2

```

**↑ FRONT**



MAIN PWB ASS'Y

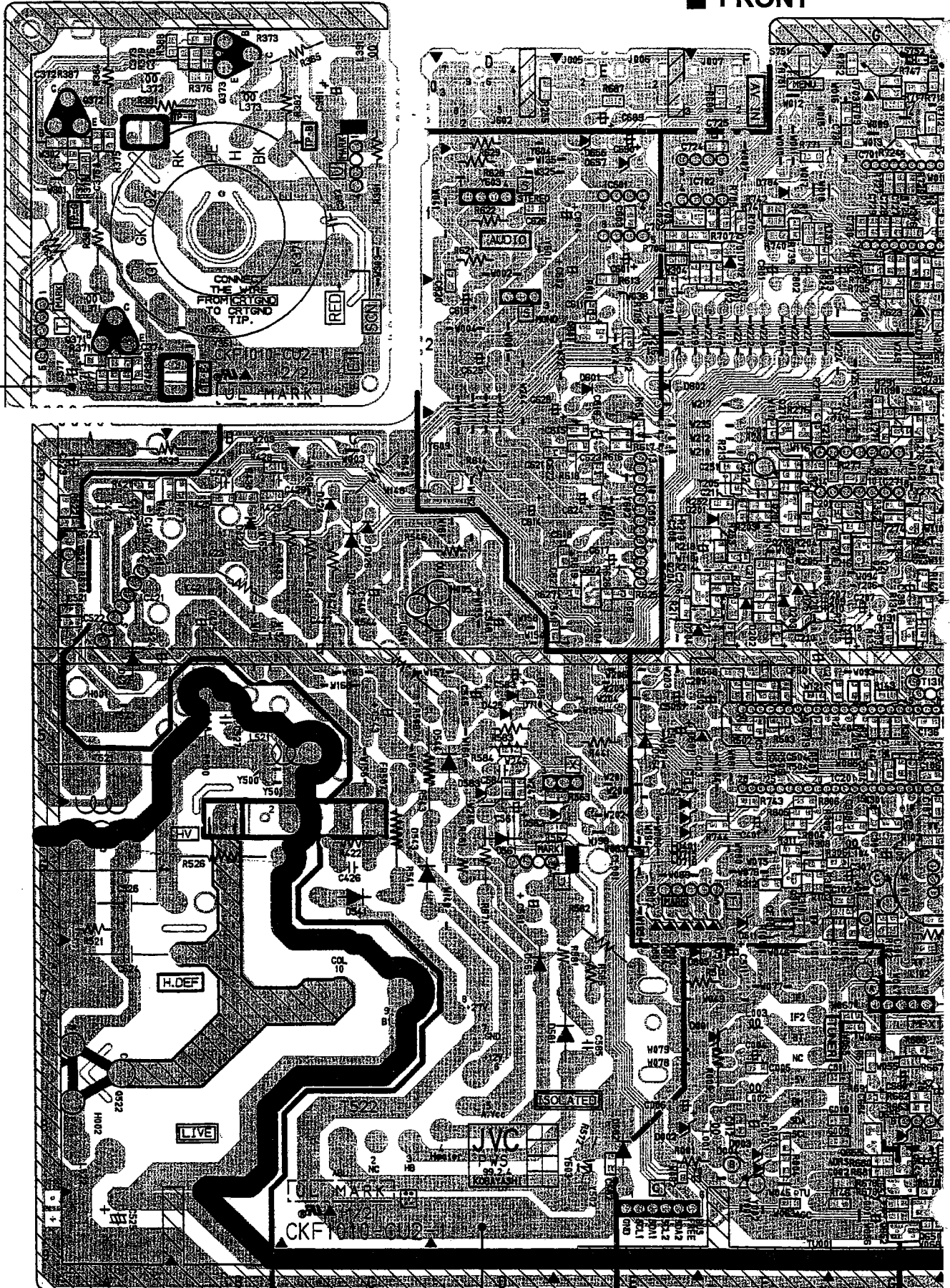


## MAIN PWB, CRT SOCKET PWB PATTERN [AV-27115]

## CRT SOCKET PWB ASS'Y

↑  
TOP

(77)

↑  
FRONT

(77)



# ■ CHANNEL CHART (US)

| MODE |      | BAND  | CHANNEL |       | TUNER BAND |
|------|------|-------|---------|-------|------------|
| TV   | CATV |       | REAL    | DISP. |            |
| ○    | ○    | VL    | 02      |       | I          |
|      |      |       | 03      |       |            |
|      |      |       | 04      |       |            |
|      |      |       | 05      |       |            |
|      |      |       | 06      |       |            |
|      |      | VH    | 07      |       | II         |
|      |      |       | 08      |       |            |
|      |      |       | 09      |       |            |
|      |      |       | 10      |       |            |
|      |      |       | 11      |       |            |
|      |      |       | 12      |       |            |
|      |      |       | 13      |       |            |
| x    | ○    | MID   | A       | 14    | I          |
|      |      |       | B       | 15    |            |
|      |      |       | C       | 16    |            |
|      |      |       | D       | 17    |            |
|      |      |       | E       | 18    |            |
|      |      |       | F       | 19    |            |
|      |      |       | G       | 20    |            |
|      |      |       | H       | 21    |            |
|      |      |       | I       | 22    |            |
|      |      | SUPER | J       | 23    | II         |
|      |      |       | K       | 24    |            |
|      |      |       | L       | 25    |            |
|      |      |       | M       | 26    |            |
|      |      |       | N       | 27    |            |
|      |      |       | O       | 28    |            |
|      |      |       | P       | 29    |            |
|      |      |       | Q       | 30    |            |
|      |      |       | R       | 31    |            |
|      |      |       | S       | 32    |            |
|      |      |       | T       | 33    |            |
|      |      |       | U       | 34    |            |
|      |      |       | V       | 35    |            |
|      |      |       | W       | 36    |            |
|      |      | HYPER | W+1     | 37    | IV         |
|      |      |       | W+2     | 38    |            |
|      |      |       | W+3     | 39    |            |
|      |      |       | W+4     | 40    |            |
|      |      |       | W+5     | 41    |            |
|      |      |       | W+6     | 42    |            |
|      |      |       | W+7     | 43    |            |
|      |      |       | W+8     | 44    |            |
|      |      |       | W+9     | 45    |            |
|      |      |       | W+10    | 46    |            |
|      |      |       | W+11    | 47    |            |
|      |      |       | W+12    | 48    |            |
|      |      |       | W+13    | 49    |            |
|      |      |       | W+14    | 50    |            |
|      |      |       | W+15    | 51    |            |
|      |      |       | W+16    | 52    |            |
|      |      |       | W+17    | 53    |            |
|      |      |       | W+18    | 54    |            |
|      |      |       | W+19    | 55    |            |
|      |      |       | W+20    | 56    |            |
|      |      |       | W+21    | 57    |            |
|      |      |       | W+22    | 58    |            |
|      |      |       | W+23    | 59    |            |
|      |      |       | W+24    | 60    |            |
|      |      |       | W+25    | 61    |            |
|      |      |       | W+26    | 62    |            |
|      |      |       | W+27    | 63    |            |
|      |      |       | W+28    | 64    |            |
|      |      | ULTRA | W+29    | 65    |            |
|      |      |       | W+30    | 66    |            |
|      |      |       | W+31    | 67    |            |
|      |      |       | W+32    | 68    |            |
|      |      |       | W+33    | 69    |            |
|      |      |       | W+34    | 70    |            |

| MODE                              |      | BAND    | CHANNEL |       | TUNER BAND |
|-----------------------------------|------|---------|---------|-------|------------|
| TV                                | CATV |         | REAL    | DISP. |            |
| x                                 | ○    | ULTRA   | W+35    | 71    | IV         |
|                                   |      |         | W+36    | 72    |            |
|                                   |      |         | W+37    | 73    |            |
|                                   |      |         | W+38    | 74    |            |
|                                   |      |         | W+39    | 75    |            |
|                                   |      |         | W+40    | 76    |            |
|                                   |      |         | W+41    | 77    |            |
|                                   |      |         | W+42    | 78    |            |
|                                   |      |         | W+43    | 79    |            |
|                                   |      |         | W+44    | 80    |            |
|                                   |      |         | W+45    | 81    |            |
|                                   |      |         | W+46    | 82    |            |
|                                   |      |         | W+47    | 83    |            |
|                                   |      |         | W+48    | 84    |            |
|                                   |      |         | W+49    | 85    |            |
|                                   |      |         | W+50    | 86    |            |
|                                   |      |         | W+51    | 87    |            |
|                                   |      |         | W+52    | 88    |            |
|                                   |      |         | W+53    | 89    |            |
|                                   |      |         | W+54    | 90    |            |
|                                   |      |         | W+55    | 91    |            |
|                                   |      |         | W+56    | 92    |            |
|                                   |      |         | W+57    | 93    |            |
|                                   |      |         | W+58    | 94    |            |
|                                   |      |         | W+59    | 100   |            |
|                                   |      |         | W+60    | 101   |            |
|                                   |      |         | W+61    | 102   |            |
|                                   |      |         | W+62    | 103   |            |
|                                   |      |         | W+63    | 104   |            |
|                                   |      |         | W+64    | 105   |            |
|                                   |      |         | W+65    | 106   |            |
|                                   |      |         | W+66    | 107   |            |
|                                   |      |         | W+67    | 108   |            |
|                                   |      | W+68    | 109     |       |            |
|                                   |      | W+69    | 110     |       |            |
|                                   |      | W+70    | 111     |       |            |
|                                   |      | W+71    | 112     |       |            |
|                                   |      | W+72    | 113     |       |            |
|                                   |      | W+73    | 114     |       |            |
|                                   |      | W+74    | 115     |       |            |
|                                   |      | W+75    | 116     |       |            |
|                                   |      | W+76    | 117     |       |            |
|                                   |      | W+77    | 118     |       |            |
|                                   |      | W+78    | 119     |       |            |
|                                   |      | W+79    | 120     |       |            |
| W+80                              | 121  |         |         |       |            |
| W+81                              | 122  |         |         |       |            |
| W+82                              | 123  |         |         |       |            |
| W+83                              | 124  |         |         |       |            |
| W+84                              | 125  |         |         |       |            |
|                                   |      | SUB MID | A-8     | 01    | I          |
|                                   |      |         | A-4     | 96    |            |
|                                   |      |         | A-3     | 97    |            |
|                                   |      |         | A-2     | 98    |            |
| ○                                 | x    | UHF     | 14      | 69    | IV         |
|                                   |      |         | 5       |       |            |
| TOTAL 180CH                       |      |         |         |       |            |
| { VHF 124CH                       |      |         |         |       |            |
| { UHF 56CH                        |      |         |         |       |            |
| NOTE:                             |      |         |         |       |            |
| TO RECEIVE THE SUBSCRIPTION OR    |      |         |         |       |            |
| PREMIUM PROGRAMMING FROM CERTAIN  |      |         |         |       |            |
| CABLE COMPANIES.                  |      |         |         |       |            |
| SPECIAL ADAPTERS MAY BE REQUIRED. |      |         |         |       |            |

# CHANNEL CHART (CA)

| MODE |      | BAND  | CHANNEL |       | TUNER BAND |
|------|------|-------|---------|-------|------------|
| TV   | CATV |       | REAL    | DISP. |            |
| ○    | ○    | VL    | 02      |       | I          |
|      |      |       | 03      |       |            |
|      |      |       | 04      |       |            |
|      |      |       | 05      |       |            |
|      |      |       | 06      |       |            |
|      |      | VH    | 07      |       |            |
|      |      |       | 08      |       |            |
|      |      |       | 09      |       |            |
|      |      |       | 10      |       |            |
|      |      |       | 11      |       |            |
|      |      |       | 12      |       |            |
|      |      |       | 13      |       |            |
| x    | ○    | MID   | A       | 14    | II         |
|      |      |       | B       | 15    |            |
|      |      |       | C       | 16    |            |
|      |      |       | D       | 17    |            |
|      |      |       | E       | 18    |            |
|      |      |       | F       | 19    |            |
|      |      |       | G       | 20    |            |
|      |      |       | H       | 21    |            |
|      |      |       | I       | 22    |            |
|      |      | SUPER | J       | 23    |            |
|      |      |       | K       | 24    |            |
|      |      |       | L       | 25    |            |
|      |      |       | M       | 26    |            |
|      |      |       | N       | 27    |            |
|      |      |       | O       | 28    |            |
|      |      |       | P       | 29    |            |
|      |      |       | Q       | 30    |            |
|      |      |       | R       | 31    |            |
|      |      | HYPER | S       | 32    | III        |
|      |      |       | T       | 33    |            |
|      |      |       | U       | 34    |            |
|      |      |       | V       | 35    |            |
|      |      |       | W       | 36    |            |
|      |      |       | W+1     | 37    |            |
|      |      |       | W+2     | 38    |            |
|      |      |       | W+3     | 39    |            |
|      |      |       | W+4     | 40    |            |
|      |      |       | W+5     | 41    |            |
|      |      |       | W+6     | 42    |            |
|      |      |       | W+7     | 43    |            |
|      |      |       | W+8     | 44    |            |
|      |      |       | W+9     | 45    |            |
|      |      |       | W+10    | 46    |            |
|      |      |       | W+11    | 47    |            |
|      |      |       | W+12    | 48    |            |
|      |      |       | W+13    | 49    |            |
|      |      |       | W+14    | 50    |            |
|      |      |       | W+15    | 51    |            |
|      |      |       | W+16    | 52    |            |
|      |      |       | W+17    | 53    |            |
|      |      |       | W+18    | 54    |            |
|      |      |       | W+19    | 55    |            |
|      |      |       | W+20    | 56    |            |
|      |      |       | W+21    | 57    |            |
|      |      |       | W+22    | 58    |            |
|      |      |       | W+23    | 59    |            |
|      |      |       | W+24    | 60    |            |
|      |      |       | W+25    | 61    |            |
|      |      |       | W+26    | 62    |            |
|      |      |       | W+27    | 63    |            |
|      |      |       | W+28    | 64    |            |
|      |      | ULTRA | W+29    | 65    | IV         |
|      |      |       | W+30    | 66    |            |
|      |      |       | W+31    | 67    |            |
|      |      |       | W+32    | 68    |            |
|      |      |       | W+33    | 69    |            |
|      |      |       | W+34    | 70    |            |

| MODE                                                                                                                                 |      | BAND    | CHANNEL |       | TUNER BAND |
|--------------------------------------------------------------------------------------------------------------------------------------|------|---------|---------|-------|------------|
| TV                                                                                                                                   | CATV |         | REAL    | DISP. |            |
| x                                                                                                                                    | ○    | ULTRA   | W+35    | 71    | IV         |
|                                                                                                                                      |      |         | W+36    | 72    |            |
|                                                                                                                                      |      |         | W+37    | 73    |            |
|                                                                                                                                      |      |         | W+38    | 74    |            |
|                                                                                                                                      |      |         | W+39    | 75    |            |
|                                                                                                                                      |      |         | W+40    | 76    |            |
|                                                                                                                                      |      |         | W+41    | 77    |            |
|                                                                                                                                      |      |         | W+42    | 78    |            |
|                                                                                                                                      |      |         | W+43    | 79    |            |
|                                                                                                                                      |      |         | W+44    | 80    |            |
|                                                                                                                                      |      |         | W+45    | 81    |            |
|                                                                                                                                      |      |         | W+46    | 82    |            |
|                                                                                                                                      |      |         | W+47    | 83    |            |
|                                                                                                                                      |      |         | W+48    | 84    |            |
|                                                                                                                                      |      |         | W+49    | 85    |            |
|                                                                                                                                      |      |         | W+50    | 86    |            |
|                                                                                                                                      |      |         | W+51    | 87    |            |
|                                                                                                                                      |      |         | W+52    | 88    |            |
|                                                                                                                                      |      |         | W+53    | 89    |            |
|                                                                                                                                      |      |         | W+54    | 90    |            |
|                                                                                                                                      |      |         | W+55    | 91    |            |
|                                                                                                                                      |      |         | W+56    | 92    |            |
|                                                                                                                                      |      |         | W+57    | 93    |            |
|                                                                                                                                      |      |         | W+58    | 94    |            |
|                                                                                                                                      |      |         | W+59    | 100   |            |
|                                                                                                                                      |      |         | W+60    | 101   |            |
|                                                                                                                                      |      |         | W+61    | 102   |            |
|                                                                                                                                      |      |         | W+62    | 103   |            |
|                                                                                                                                      |      |         | W+63    | 104   |            |
|                                                                                                                                      |      |         | W+64    | 105   |            |
|                                                                                                                                      |      |         | W+65    | 106   |            |
|                                                                                                                                      |      |         | W+66    | 107   |            |
|                                                                                                                                      |      |         | W+67    | 108   |            |
|                                                                                                                                      |      |         | W+68    | 109   |            |
|                                                                                                                                      |      |         | W+69    | 110   |            |
|                                                                                                                                      |      |         | W+70    | 111   |            |
|                                                                                                                                      |      |         | W+71    | 112   |            |
|                                                                                                                                      |      |         | W+72    | 113   |            |
|                                                                                                                                      |      |         | W+73    | 114   |            |
|                                                                                                                                      |      |         | W+74    | 115   |            |
|                                                                                                                                      |      |         | W+75    | 116   |            |
|                                                                                                                                      |      |         | W+76    | 117   |            |
|                                                                                                                                      |      |         | W+77    | 118   |            |
|                                                                                                                                      |      |         | W+78    | 119   |            |
|                                                                                                                                      |      |         | W+79    | 120   |            |
|                                                                                                                                      |      |         | W+80    | 121   |            |
|                                                                                                                                      |      |         | W+81    | 122   |            |
|                                                                                                                                      |      |         | W+82    | 123   |            |
|                                                                                                                                      |      |         | W+83    | 124   |            |
|                                                                                                                                      |      |         | W+84    | 125   |            |
|                                                                                                                                      |      | SUB MID | A-8     | 01    | I          |
|                                                                                                                                      |      |         | A-4     | 96    |            |
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|                                                                                                                                      |      |         | A-2     | 98    |            |
|                                                                                                                                      |      |         | A-1     | 99    |            |
| ○                                                                                                                                    | x    | UHF     | 14      | 69    | IV         |
| TOTAL 180CH                                                                                                                          |      |         |         |       |            |
| { VHF 124CH                                                                                                                          |      |         |         |       |            |
| { UHF 56CH                                                                                                                           |      |         |         |       |            |
| NOTE:<br>TO RECEIVE THE SUBSCRIPTION OR<br>PREMIUM PROGRAMMING FROM CERTAIN<br>CABLE COMPANIES.<br>SPECIAL ADAPTERS MAY BE REQUIRED. |      |         |         |       |            |

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# PARTS LIST

## CAUTION

- The parts identified by the  $\Delta$  symbol are important for the safety. Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines — in the Parts No. columns will not be supplied.
- P. W. Board Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

## ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

| RESISTORS |                                                  | CAPACITORS      |                                               |
|-----------|--------------------------------------------------|-----------------|-----------------------------------------------|
| C R       | Carbon Resistor                                  | C CAP.          | Ceramic Capacitor                             |
| F R       | Fusible Resistor                                 | E CAP.          | Electrolytic Capacitor                        |
| P R       | Plate Resistor                                   | M CAP.          | Mylar Capacitor                               |
| V R       | Variable Resistor                                | HV CAP.         | High Voltage Capacitor                        |
| HV R      | High Voltage Resistor                            | MF CAP.         | Metalized Film Capacitor                      |
| MF R      | Metal Film Resistor                              | MM CAP.         | Metalized Mylar Capacitor                     |
| MG R      | Metal Glazed Resistor                            | MP CAP.         | Metalized Polystyrol Capacitor                |
| MP R      | Metal Plate Resistor                             | PP CAP.         | Polypropylene Capacitor                       |
| OM R      | Metal Oxide Film Resistor                        | PS CAP.         | Polystyrol Capacitor                          |
| CMF R     | Coating Metal Film Resistor                      | TF CAP.         | Thin Film Capacitor                           |
| UNF R     | Non-Flammable Resistor                           | MPP CAP.        | Metalized Polypropylene Capacitor             |
| CH V R    | Chip Variable Resistor                           | TAN. CAP.       | Tantalum Capacitor                            |
| CH MG R   | Chip Metal Glazed Resistor                       | CH C CAP.       | Chip Ceramic Capacitor                        |
| COMP. R   | Composition Resistor                             | BP E CAP.       | Bi-Polar Electrolytic Capacitor               |
| LPTC R    | Linear Positive Temperature Coefficient Resistor | CH AL E CAP.    | Chip Aluminum Electrolytic Capacitor          |
|           |                                                  | CH AL BP CAP.   | Chip Aluminum Bi-Polar Capacitor              |
|           |                                                  | CH TAN. E CAP.  | Chip Tantalum Electrolytic Capacitor          |
|           |                                                  | CH AL BP E CAP. | Chip Tantalum Bi-Polar Electrolytic Capacitor |

| TOLERANCES |     |     |      |      |      |      |      |      |       |
|------------|-----|-----|------|------|------|------|------|------|-------|
| F          | G   | J   | K    | M    | N    | R    | H    | Z    | P     |
| ±1%        | ±2% | ±5% | ±10% | ±20% | ±30% | +30% | +50% | +80% | +100% |
|            |     |     |      |      |      | -10% | -10% | -20% | -0%   |

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## USING P.W. BOARD & REMOTE CONTROL UNIT

| P.W.B ASS'Y         | Model | AV-27120<br>(US&CA) | AV-27120<br>(A US&A CA) | AV-27115<br>(US&CA) | AV-27115<br>(A US&A CA) |
|---------------------|-------|---------------------|-------------------------|---------------------|-------------------------|
|                     |       |                     |                         |                     |                         |
| MAIN P.W.B          |       | SFV-1031A-M2        | SFV-1033A-M2            | SFV-1032A-M2        | SFV-1034A-M2            |
| REMOTE CONTROL UNIT |       | RM-C381-1A          | ←                       | RM-C205-1C          | ←                       |

## [AV-27120(US&amp;CA)] / [AV-27120(A US&amp;A CA)]

## EXPLODED VIEW PARTS LIST

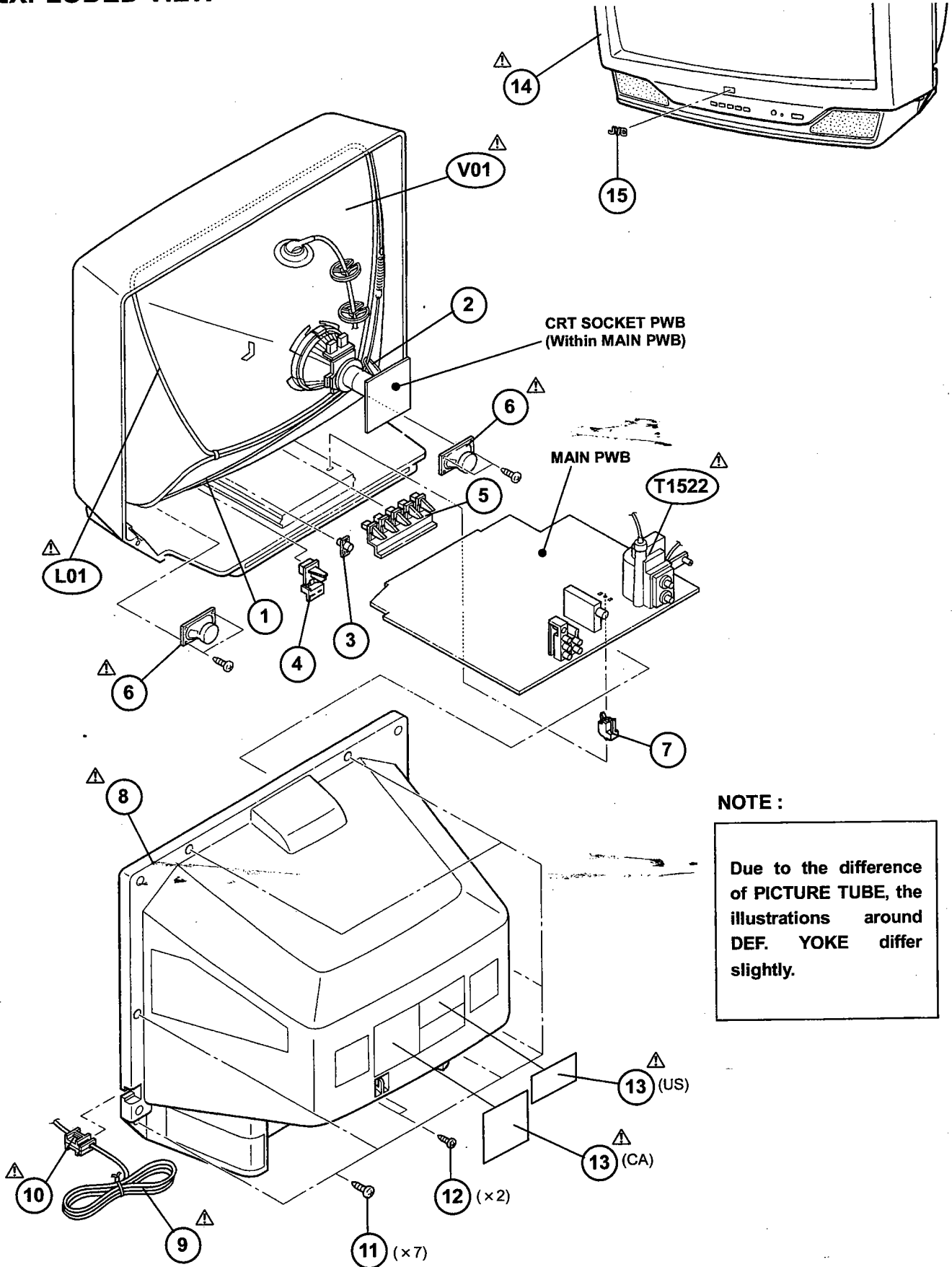
## [AV-27120(US&amp;CA)]

| △ Ref.No. | Part No.       | Part Name     | Description            |
|-----------|----------------|---------------|------------------------|
| △ V01     | A68ADT25X01    | ITC TUBE(C)   | Inc.DY                 |
| △ L01     | CE41329-00DJB  | DEG COIL      |                        |
| △ T1522   | QQH0028-001    | H.V.TRANSF.   |                        |
| 1         | CHGB0015-0B    | BRAIDED WIRE  |                        |
| 2         | CHGB0016-0C    | BRAIDED WIRE  |                        |
| 3         | LC30191-001C-A | REMOCON LENS  |                        |
| 4         | LC30376-001A-A | POWER KNOB    |                        |
| 5         | LC30271-001A-A | PUSH KNOB     |                        |
| △ 6       | CEBSS09D-03KJ2 | SPEAKER       | (×2)SP01,SP02          |
| 7         | CM48144-001-A  | PB STOPPER    |                        |
| △ 8       | LC10082-001D-A | REAR COVER    |                        |
| △ 9       | QMPD200-200-JC | POWER CORD    | CN10PW Within MAIN PWB |
| △ 10      | LC20106-001D-A | CORD CLAMP    |                        |
| 11        | QYSBSFG4016Z   | TAPPING SCREW | (×7)                   |
| 12        | QYSBSB3010Z    | TAPPING SCREW | (×2)                   |
| △ 13      | CM23034-001-A  | RATING LABEL  | (AV-27120(US))         |
| △ 13      | CM22999-A01-A  | RATING LABEL  | (AV-27120(CA))         |
| △ 14      | LC10081-001E-A | FRONT CABINET |                        |
| 15        | CM48006-006-C  | JVC MARK      |                        |

## [AV-27120(A US&amp;A CA)]

| △ Ref.No. | Part No.       | Part Name     | Description            |
|-----------|----------------|---------------|------------------------|
| △ V01     | A68QDN891X001  | PICTURE TUBE  | Inc.DY, PC, WED.       |
| △ L01     | CE41329-00DJB  | DEG COIL      |                        |
| △ T1522   | QQH0028-001    | H.V.TRANSF.   |                        |
| 1         | CHGB0015-0B    | BRAIDED WIRE  |                        |
| 2         | CHGB0016-0C    | BRAIDED WIRE  |                        |
| 3         | LC30191-001C-A | REMOCON LENS  |                        |
| 4         | LC30376-001A-A | POWER KNOB    |                        |
| 5         | LC30271-001A-A | PUSH KNOB     |                        |
| △ 6       | CEBSS09D-03KJ2 | SPEAKER       | (×2)SP01,SP02          |
| 7         | CM48144-001-A  | PB STOPPER    |                        |
| △ 8       | LC10082-001D-A | REAR COVER    |                        |
| △ 9       | QMPD200-200-JC | POWER CORD    | CN10PW Within MAIN PWB |
| △ 10      | LC20106-001D-A | CORD CLAMP    |                        |
| 11        | QYSBSFG4016Z   | TAPPING SCREW | (×7)                   |
| 12        | QYSBSB3010Z    | TAPPING SCREW | (×2)                   |
| △ 13      | CM23034-001-A  | RATING LABEL  | (AV-27120(A US))       |
| △ 13      | CM22999-A01-A  | RATING LABEL  | (AV-27120(A CA))       |
| △ 14      | LC10081-001E-A | FRONT CABINET |                        |
| 15        | CM48006-006-C  | JVC MARK      |                        |

## EXPLODED VIEW



## AV-27120(US&amp;CA)

## PRINTED WIRING BOARD PARTS LIST

## MAIN P.W. BOARD ASS'Y (SFV-1031A-M2)

| Symbol No. | Part No. | Part Name | Description |
|------------|----------|-----------|-------------|
|------------|----------|-----------|-------------|

## RESISTOR

|          |              |      |               |
|----------|--------------|------|---------------|
| R1001    | QRE121J-5R6Y | C R  | 5.6Ω 1/2W J   |
| R1003-04 | NRSA02J-OROX | MG R | 0.0Ω 1/10W J  |
| R1005    | QRG01GJ-121  | OM R | 120Ω 1W J     |
| R1101    | NRSA02J-820X | MG R | 82Ω 1/10W J   |
| R1102    | NRSA02J-562X | MG R | 5.6kΩ 1/10W J |
| R1103    | NRSA02J-182X | MG R | 1.8kΩ 1/10W J |
| R1104    | QRE121J-101Y | C R  | 100Ω 1/2W J   |
| R1105    | NRSA02J-180X | MG R | 18Ω 1/10W J   |

|       |              |      |               |
|-------|--------------|------|---------------|
| R1106 | NRSA02J-270X | MG R | 27Ω 1/10W J   |
| R1131 | NRSA02J-271X | MG R | 270Ω 1/10W J  |
| R1133 | NRSA02J-101X | MG R | 100Ω 1/10W J  |
| R1134 | NRSA02J-102X | MG R | 1kΩ 1/10W J   |
| R1135 | NRSA02J-561X | MG R | 560Ω 1/10W J  |
| R1136 | NRSA02J-182X | MG R | 1.8kΩ 1/10W J |
| R1137 | NRSA02J-272X | MG R | 2.7kΩ 1/10W J |
| R1138 | NRSA02J-821X | MG R | 820Ω 1/10W J  |

|          |              |      |               |
|----------|--------------|------|---------------|
| R1139    | NRSA02J-OROX | MG R | 0.0Ω 1/10W J  |
| R1142    | NRSA02J-101X | MG R | 100Ω 1/10W J  |
| R1145    | NRSA02J-472X | MG R | 4.7kΩ 1/10W J |
| R1146    | NRSA02J-273X | MG R | 27kΩ 1/10W J  |
| R1161-62 | NRSA02J-102X | MG R | 1kΩ 1/10W J   |
| R1163    | NRSA02J-472X | MG R | 4.7kΩ 1/10W J |
| R1164    | NRSA02J-332X | MG R | 3.3kΩ 1/10W J |
| R1165    | NRSA02J-OROX | MG R | 0.0Ω 1/10W J  |

|       |              |      |               |
|-------|--------------|------|---------------|
| R1201 | NRSA02J-OROX | MG R | 0.0Ω 1/10W J  |
| R1203 | NRSA02J-102X | MG R | 1kΩ 1/10W J   |
| R1204 | NRSA02J-681X | MG R | 680Ω 1/10W J  |
| R1205 | NRSA02J-152X | MG R | 1.5kΩ 1/10W J |
| R1207 | NRSA02J-OROX | MG R | 0.0Ω 1/10W J  |
| R1208 | NRSA02J-472X | MG R | 4.7kΩ 1/10W J |
| R1209 | NRSA02J-471X | MG R | 470Ω 1/10W J  |
| R1210 | NRSA02J-392X | MG R | 3.9kΩ 1/10W J |

|       |              |      |               |
|-------|--------------|------|---------------|
| R1211 | NRSA02J-471X | MG R | 470Ω 1/10W J  |
| R1212 | NRSA02J-103X | MG R | 10kΩ 1/10W J  |
| R1213 | NRSA02J-391X | MG R | 390Ω 1/10W J  |
| R1215 | NRSA02J-334X | MG R | 330kΩ 1/10W J |
| R1216 | NRSA02J-563X | MG R | 56kΩ 1/10W J  |
| R1218 | NRSA02J-182X | MG R | 1.8kΩ 1/10W J |
| R1219 | NRSA02J-122X | MG R | 1.2kΩ 1/10W J |
| R1220 | NRSA02J-561X | MG R | 560Ω 1/10W J  |

|          |              |      |               |
|----------|--------------|------|---------------|
| R1222    | NRSA02J-102X | MG R | 1kΩ 1/10W J   |
| R1234    | NRSA02J-222X | MG R | 2.2kΩ 1/10W J |
| R1235    | NRSA02J-471X | MG R | 470Ω 1/10W J  |
| R1237-38 | NRSA02J-101X | MG R | 100Ω 1/10W J  |
| R1239    | NRSA02J-102X | MG R | 1kΩ 1/10W J   |
| R1240    | NRSA02J-272X | MG R | 2.7kΩ 1/10W J |
| R1241    | NRSA02J-102X | MG R | 1kΩ 1/10W J   |
| R1242    | NRSA02J-101X | MG R | 100Ω 1/10W J  |

|       |              |      |              |
|-------|--------------|------|--------------|
| R1243 | NRSA02J-223X | MG R | 22kΩ 1/10W J |
| R1244 | NRSA02J-473X | MG R | 47kΩ 1/10W J |
| R1248 | NRSA02J-333X | MG R | 33kΩ 1/10W J |
| R1249 | NRSA02J-153X | MG R | 15kΩ 1/10W J |
| R1251 | NRSA02J-750X | MG R | 75Ω 1/10W J  |
| R1254 | NRSA02J-750X | MG R | 75Ω 1/10W J  |
| R1256 | NRSA02J-680X | MG R | 68Ω 1/10W J  |
| R1257 | NRSA02J-102X | MG R | 1kΩ 1/10W J  |

|       |              |      |               |
|-------|--------------|------|---------------|
| R1260 | NRSA02J-181X | MG R | 180Ω 1/10W J  |
| R1261 | NRSA02J-182X | MG R | 1.8kΩ 1/10W J |
| R1262 | NRSA02J-102X | MG R | 1kΩ 1/10W J   |
| R1264 | NRSA02J-OROX | MG R | 0.0Ω 1/10W J  |
| R1265 | NRSA02J-102X | MG R | 1kΩ 1/10W J   |
| R1266 | NRSA02J-562X | MG R | 5.6kΩ 1/10W J |
| R1267 | NRSA02J-101X | MG R | 100Ω 1/10W J  |
| R1268 | NRSA02J-222X | MG R | 2.2kΩ 1/10W J |

|       |              |      |               |
|-------|--------------|------|---------------|
| R1269 | NRSA02J-152X | MG R | 1.5kΩ 1/10W J |
| R1270 | NRSA02J-182X | MG R | 1.8kΩ 1/10W J |
| R1271 | NRSA02J-681X | MG R | 680Ω 1/10W J  |
| R1272 | NRSA02J-182X | MG R | 1.8kΩ 1/10W J |

| Symbol No. | Part No. | Part Name | Description |
|------------|----------|-----------|-------------|
|------------|----------|-----------|-------------|

## RESISTOR

|       |              |      |               |
|-------|--------------|------|---------------|
| R1273 | NRSA02J-472X | MG R | 4.7kΩ 1/10W J |
| R1274 | NRSA02J-562X | MG R | 5.6kΩ 1/10W J |
| R1275 | NRSA02J-223X | MG R | 22kΩ 1/10W J  |
| R1276 | NRSA02J-562X | MG R | 5.6kΩ 1/10W J |
| R1277 | NRSA02J-272X | MG R | 2.7kΩ 1/10W J |
| R1278 | NRSA02J-152X | MG R | 1.5kΩ 1/10W J |
| R1279 | NRSA02J-101X | MG R | 100Ω 1/10W J  |
| R1285 | NRSA02J-101X | MG R | 100Ω 1/10W J  |

|       |              |      |              |
|-------|--------------|------|--------------|
| R1287 | NRSA02J-221X | MG R | 220Ω 1/10W J |
| R1289 | NRSA02J-471X | MG R | 470Ω 1/10W J |
| R1290 | NRSA02J-563X | MG R | 56kΩ 1/10W J |
| R1291 | NRSA02J-473X | MG R | 47kΩ 1/10W J |
| R1293 | NRSA02J-821X | MG R | 820Ω 1/10W J |
| R1305 | NRSA02J-393X | MG R | 39kΩ 1/10W J |
| R1306 | NRSA02J-183X | MG R | 18kΩ 1/10W J |
| R1307 | NRSA02J-473X | MG R | 47kΩ 1/10W J |

|       |              |      |               |
|-------|--------------|------|---------------|
| R1308 | NRSA02J-OROX | MG R | 0.0Ω 1/10W J  |
| R1309 | NRSA02J-473X | MG R | 47kΩ 1/10W J  |
| R1310 | NRSA02J-OROX | MG R | 0.0Ω 1/10W J  |
| R1311 | NRSA02J-222X | MG R | 2.2kΩ 1/10W J |
| R1312 | NRSA02J-680X | MG R | 68Ω 1/10W J   |
| R1351 | NRSA02J-471X | MG R | 470Ω 1/10W J  |
| R1353 | NRSA02J-153X | MG R | 15kΩ 1/10W J  |
| R1361 | NRSA02J-152X | MG R | 1.5kΩ 1/10W J |

|          |              |      |               |
|----------|--------------|------|---------------|
| R1365    | NRSA02J-152X | MG R | 1.5kΩ 1/10W J |
| R1366    | NRSA02J-563X | MG R | 56kΩ 1/10W J  |
| R1367    | NRSA02J-333X | MG R | 33kΩ 1/10W J  |
| R1371-73 | NRSA02J-151X | MG R | 150Ω 1/10W J  |
| R1374-76 | NRSA02J-331X | MG R | 330Ω 1/10W J  |
| R1377-79 | NRSA02J-101X | MG R | 100Ω 1/10W J  |
| R1380-82 | QRZ0111-152  | C R  | 1.5kΩ 1/2W K  |
| R1383-85 | QRL029J-153  | OM R | 15kΩ 2W J     |

|          |              |      |               |
|----------|--------------|------|---------------|
| R1386-88 | NRSA02J-272X | MG R | 2.7kΩ 1/10W J |
| R1421    | NRSA02J-472X | MG R | 4.7kΩ 1/10W J |
| R1422    | QRE121J-561Y | C R  | 560Ω 1/2W J   |
| R1423    | QRX01GJ-1R0  | MF R | 1.0Ω 1W J     |
| R1424    | QRE121J-102Y | C R  | 1kΩ 1/2W J    |
| R1425    | NRSA02J-683X | MG R | 68kΩ 1/10W J  |
| R1427    | NRSA02J-392X | MG R | 3.9kΩ 1/10W J |
| R1428    | NRSA02J-393X | MG R | 39kΩ 1/10W J  |

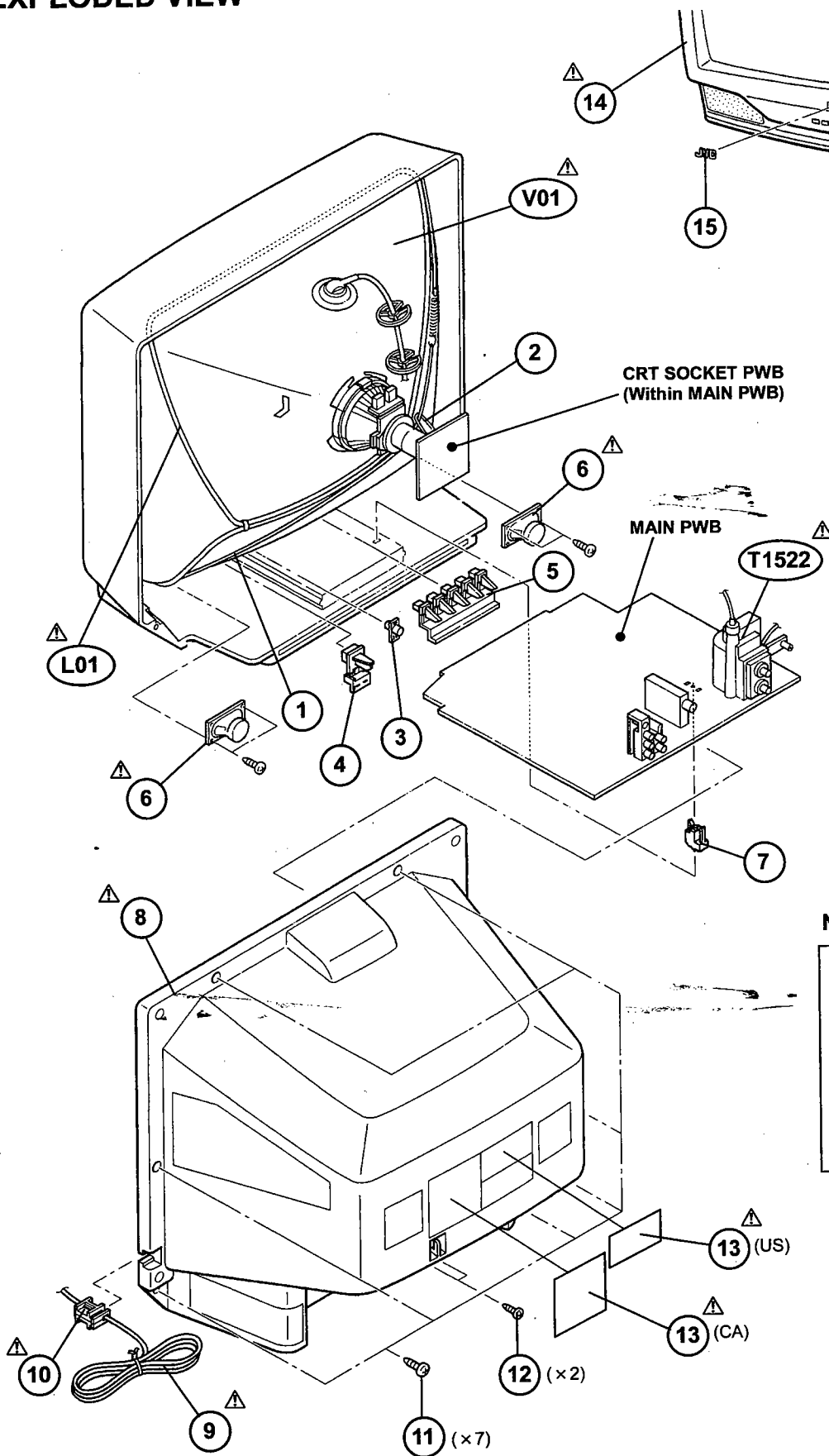
|          |              |      |               |
|----------|--------------|------|---------------|
| R1429    | NRSA02J-223X | MG R | 22kΩ 1/10W J  |
| R1430-31 | NRSA02J-OROX | MG R | 0.0Ω 1/10W J  |
| R1433    | QRE121J-100Y | C R  | 10Ω 1/2W J    |
| R1441    | QRE121J-102Y | C R  | 1kΩ 1/2W J    |
| R1501    | NRSA02J-361X | MG R | 360Ω 1/10W J  |
| R1502    | NRSA02J-152X | MG R | 1.5kΩ 1/10W J |
| R1504    | NRSA02J-OROX | MG R | 0.0Ω 1/10W J  |
| R1505    | NRSA02J-822X | MG R | 8.2kΩ 1/10W J |

|       |              |      |               |
|-------|--------------|------|---------------|
| R1506 | NRSA02J-222X | MG R | 2.2kΩ 1/10W J |
| R1507 | NRSA02J-563X | MG R | 56kΩ 1/10W J  |
| R1511 | QRE121J-391Y | C R  | 390Ω 1/2W J   |
| R1522 | NRSA02J-391X | MG R | 390Ω 1/10W J  |
| R1523 | NRSA02J-471X | MG R | 470Ω 1/10W J  |
| R1524 | QRE121J-271Y | C R  | 270Ω 1/2W J   |
| R1525 | QRG01GJ-220  | OM R | 22Ω 1W J      |
| R1526 | QRL039J-152  | OM R | 1.5kΩ 3W J    |

|       |              |      |             |
|-------|--------------|------|-------------|
| R1530 | QRE121J-681Y | C R  | 680Ω 1/2W J |
| R1541 | QRT029J-1R8  | MF R | 1.8Ω 2W J   |
| R1542 | QRL029J-101  | OM R | 100Ω 2W J   |
| R1543 | QRT039J-1R0  | MF R | 1.0Ω 3W J   |

|       |               |      |                |
|-------|---------------|------|----------------|
| R1544 | QRT039J-1R0   | MF R | 1.0Ω 3W J      |
| R1546 | QRL029J-220   | OM R | 22Ω 2W J       |
| R1561 | QRK126J-4R7X  | C R  | 4.7Ω 1/2W J    |
| R1562 | NRZ0032-7151X | MF R | 7.15kΩ 1/10W J |
| R1563 | NRZ0032-2941X | MF R | 2.94kΩ 1/10W J |
| R1564 | NRSA02J-153X  | MG R | 15kΩ 1/10W J   |
| R1565 | NRSA02J-OROX  | MG R | 0.0Ω 1/10W J   |
| R1566 | NRSA02J-333X  | MG R | 33kΩ 1/10W J   |

# EXPLODED VIEW



## NOTE :

Due to the difference of PICTURE TUBE, the illustrations around DEF. YOKE differ slightly.

## AV-27120(US&amp;CA)

## PRINTED WIRING BOARD PARTS LIST

## MAIN P.W. BOARD ASS'Y (SFV-1031A-M2)

| △ Symbol No. | Part No. | Part Name | Description |
|--------------|----------|-----------|-------------|
|--------------|----------|-----------|-------------|

## RESISTOR

|          |              |      |               |
|----------|--------------|------|---------------|
| R1001    | QRE121J-5R6Y | C R  | 5.6Ω 1/2W J   |
| R1003-04 | NRSA02J-0R0X | MG R | 0.0Ω 1/10W J  |
| R1005    | QRG01GJ-121  | OM R | 120Ω 1W J     |
| R1101    | NRSA02J-820X | MG R | 82Ω 1/10W J   |
| R1102    | NRSA02J-562X | MG R | 5.6kΩ 1/10W J |
| R1103    | NRSA02J-182X | MG R | 1.8kΩ 1/10W J |
| R1104    | QRE121J-101Y | C R  | 100Ω 1/2W J   |
| R1105    | NRSA02J-180X | MG R | 18Ω 1/10W J   |
| R1106    | NRSA02J-270X | MG R | 27Ω 1/10W J   |
| R1131    | NRSA02J-271X | MG R | 270Ω 1/10W J  |
| R1133    | NRSA02J-101X | MG R | 100Ω 1/10W J  |
| R1134    | NRSA02J-102X | MG R | 1kΩ 1/10W J   |
| R1135    | NRSA02J-561X | MG R | 560Ω 1/10W J  |
| R1136    | NRSA02J-182X | MG R | 1.8kΩ 1/10W J |
| R1137    | NRSA02J-272X | MG R | 2.7kΩ 1/10W J |
| R1138    | NRSA02J-821X | MG R | 820Ω 1/10W J  |
| R1139    | NRSA02J-0R0X | MG R | 0.0Ω 1/10W J  |
| R1142    | NRSA02J-101X | MG R | 100Ω 1/10W J  |
| R1145    | NRSA02J-472X | MG R | 4.7kΩ 1/10W J |
| R1146    | NRSA02J-273X | MG R | 27kΩ 1/10W J  |
| R1161-62 | NRSA02J-102X | MG R | 1kΩ 1/10W J   |
| R1163    | NRSA02J-472X | MG R | 4.7kΩ 1/10W J |
| R1164    | NRSA02J-332X | MG R | 3.3kΩ 1/10W J |
| R1165    | NRSA02J-0R0X | MG R | 0.0Ω 1/10W J  |
| R1201    | NRSA02J-0R0X | MG R | 0.0Ω 1/10W J  |
| R1203    | NRSA02J-102X | MG R | 1kΩ 1/10W J   |
| R1204    | NRSA02J-681X | MG R | 680Ω 1/10W J  |
| R1205    | NRSA02J-152X | MG R | 1.5kΩ 1/10W J |
| R1207    | NRSA02J-0R0X | MG R | 0.0Ω 1/10W J  |
| R1208    | NRSA02J-472X | MG R | 4.7kΩ 1/10W J |
| R1209    | NRSA02J-471X | MG R | 470Ω 1/10W J  |
| R1210    | NRSA02J-392X | MG R | 3.9kΩ 1/10W J |
| R1211    | NRSA02J-471X | MG R | 470Ω 1/10W J  |
| R1212    | NRSA02J-103X | MG R | 10kΩ 1/10W J  |
| R1213    | NRSA02J-391X | MG R | 390Ω 1/10W J  |
| R1215    | NRSA02J-334X | MG R | 330kΩ 1/10W J |
| R1216    | NRSA02J-563X | MG R | 56kΩ 1/10W J  |
| R1218    | NRSA02J-182X | MG R | 1.8kΩ 1/10W J |
| R1219    | NRSA02J-122X | MG R | 1.2kΩ 1/10W J |
| R1220    | NRSA02J-561X | MG R | 560Ω 1/10W J  |
| R1222    | NRSA02J-102X | MG R | 1kΩ 1/10W J   |
| R1234    | NRSA02J-222X | MG R | 2.2kΩ 1/10W J |
| R1235    | NRSA02J-471X | MG R | 470Ω 1/10W J  |
| R1237-38 | NRSA02J-101X | MG R | 100Ω 1/10W J  |
| R1239    | NRSA02J-102X | MG R | 1kΩ 1/10W J   |
| R1240    | NRSA02J-272X | MG R | 2.7kΩ 1/10W J |
| R1241    | NRSA02J-102X | MG R | 1kΩ 1/10W J   |
| R1242    | NRSA02J-101X | MG R | 100Ω 1/10W J  |
| R1243    | NRSA02J-223X | MG R | 22kΩ 1/10W J  |
| R1244    | NRSA02J-473X | MG R | 47kΩ 1/10W J  |
| R1248    | NRSA02J-333X | MG R | 33kΩ 1/10W J  |
| R1249    | NRSA02J-153X | MG R | 15kΩ 1/10W J  |
| R1251    | NRSA02J-750X | MG R | 75Ω 1/10W J   |
| R1254    | NRSA02J-750X | MG R | 75Ω 1/10W J   |
| R1256    | NRSA02J-680X | MG R | 68Ω 1/10W J   |
| R1257    | NRSA02J-102X | MG R | 1kΩ 1/10W J   |
| R1260    | NRSA02J-181X | MG R | 180Ω 1/10W J  |
| R1261    | NRSA02J-182X | MG R | 1.8kΩ 1/10W J |
| R1262    | NRSA02J-102X | MG R | 1kΩ 1/10W J   |
| R1264    | NRSA02J-0R0X | MG R | 0.0Ω 1/10W J  |
| R1265    | NRSA02J-102X | MG R | 1kΩ 1/10W J   |
| R1266    | NRSA02J-562X | MG R | 5.6kΩ 1/10W J |
| R1267    | NRSA02J-101X | MG R | 100Ω 1/10W J  |
| R1268    | NRSA02J-222X | MG R | 2.2kΩ 1/10W J |
| R1269    | NRSA02J-152X | MG R | 1.5kΩ 1/10W J |
| R1270    | NRSA02J-182X | MG R | 1.8kΩ 1/10W J |
| R1271    | NRSA02J-681X | MG R | 680Ω 1/10W J  |
| R1272    | NRSA02J-182X | MG R | 1.8kΩ 1/10W J |

| △ Symbol No. | Part No. | Part Name | Description |
|--------------|----------|-----------|-------------|
|--------------|----------|-----------|-------------|

## RESISTOR

|          |               |      |                |
|----------|---------------|------|----------------|
| R1273    | NRSA02J-472X  | MG R | 4.7kΩ 1/10W J  |
| R1274    | NRSA02J-562X  | MG R | 5.6kΩ 1/10W J  |
| R1275    | NRSA02J-223X  | MG R | 22kΩ 1/10W J   |
| R1276    | NRSA02J-562X  | MG R | 5.6kΩ 1/10W J  |
| R1277    | NRSA02J-272X  | MG R | 2.7kΩ 1/10W J  |
| R1278    | NRSA02J-152X  | MG R | 1.5kΩ 1/10W J  |
| R1279    | NRSA02J-101X  | MG R | 100Ω 1/10W J   |
| R1285    | NRSA02J-101X  | MG R | 100Ω 1/10W J   |
| R1287    | NRSA02J-221X  | MG R | 220Ω 1/10W J   |
| R1289    | NRSA02J-471X  | MG R | 470Ω 1/10W J   |
| R1290    | NRSA02J-563X  | MG R | 56kΩ 1/10W J   |
| R1291    | NRSA02J-473X  | MG R | 47kΩ 1/10W J   |
| R1293    | NRSA02J-821X  | MG R | 820Ω 1/10W J   |
| R1305    | NRSA02J-393X  | MG R | 39kΩ 1/10W J   |
| R1306    | NRSA02J-183X  | MG R | 18kΩ 1/10W J   |
| R1307    | NRSA02J-473X  | MG R | 47kΩ 1/10W J   |
| R1308    | NRSA02J-0R0X  | MG R | 0.0Ω 1/10W J   |
| R1309    | NRSA02J-473X  | MG R | 47kΩ 1/10W J   |
| R1310    | NRSA02J-0R0X  | MG R | 0.0Ω 1/10W J   |
| R1311    | NRSA02J-222X  | MG R | 2.2kΩ 1/10W J  |
| R1312    | NRSA02J-680X  | MG R | 68Ω 1/10W J    |
| R1351    | NRSA02J-471X  | MG R | 470Ω 1/10W J   |
| R1353    | NRSA02J-153X  | MG R | 15kΩ 1/10W J   |
| R1361    | NRSA02J-152X  | MG R | 1.5kΩ 1/10W J  |
| R1365    | NRSA02J-152X  | MG R | 1.5kΩ 1/10W J  |
| R1366    | NRSA02J-563X  | MG R | 56kΩ 1/10W J   |
| R1367    | NRSA02J-333X  | MG R | 33kΩ 1/10W J   |
| R1371-73 | NRSA02J-151X  | MG R | 150Ω 1/10W J   |
| R1374-76 | NRSA02J-331X  | MG R | 330Ω 1/10W J   |
| R1377-79 | NRSA02J-101X  | MG R | 100Ω 1/10W J   |
| R1380-82 | QRZ0111-152   | C R  | 1.5kΩ 1/2W K   |
| R1383-85 | QRL029J-153   | OM R | 15kΩ 2W J      |
| R1386-88 | NRSA02J-272X  | MG R | 2.7kΩ 1/10W J  |
| R1421    | NRSA02J-472X  | MG R | 4.7kΩ 1/10W J  |
| R1422    | QRE121J-561Y  | C R  | 560Ω 1/2W J    |
| R1423    | QRX01GJ-1R0   | MF R | 1.0Ω 1W J      |
| R1424    | QRE121J-102Y  | C R  | 1kΩ 1/2W J     |
| R1425    | NRSA02J-683X  | MG R | 68kΩ 1/10W J   |
| R1427    | NRSA02J-392X  | MG R | 3.9kΩ 1/10W J  |
| R1428    | NRSA02J-393X  | MG R | 39kΩ 1/10W J   |
| R1429    | NRSA02J-223X  | MG R | 22kΩ 1/10W J   |
| R1430-31 | NRSA02J-0R0X  | MG R | 0.0Ω 1/10W J   |
| R1433    | QRE121J-100Y  | C R  | 10Ω 1/2W J     |
| R1441    | QRE121J-102Y  | C R  | 1kΩ 1/2W J     |
| R1501    | NRSA02J-361X  | MG R | 360Ω 1/10W J   |
| R1502    | NRSA02J-152X  | MG R | 1.5kΩ 1/10W J  |
| R1504    | NRSA02J-0R0X  | MG R | 0.0Ω 1/10W J   |
| R1505    | NRSA02J-822X  | MG R | 8.2kΩ 1/10W J  |
| R1506    | NRSA02J-222X  | MG R | 2.2kΩ 1/10W J  |
| R1507    | NRSA02J-563X  | MG R | 56kΩ 1/10W J   |
| R1511    | QRE121J-391Y  | C R  | 390Ω 1/2W J    |
| R1522    | NRSA02J-391X  | MG R | 390Ω 1/10W J   |
| R1523    | NRSA02J-471X  | MG R | 470Ω 1/10W J   |
| R1524    | QRE121J-271Y  | C R  | 270Ω 1/2W J    |
| R1525    | QRG01GJ-220   | OM R | 22Ω 1W J       |
| R1526    | QRL039J-152   | OM R | 1.5kΩ 3W J     |
| R1530    | QRE121J-681Y  | C R  | 680Ω 1/2W J    |
| R1541    | QRT029J-1R8   | MF R | 1.8Ω 2W J      |
| R1542    | QRL029J-101   | OM R | 100Ω 2W J      |
| R1543    | QRT039J-1R0   | MF R | 1.0Ω 3W J      |
| R1544    | QRT039J-1R0   | MF R | 1.0Ω 3W J      |
| R1546    | QRL029J-220   | OM R | 22Ω 2W J       |
| R1561    | QRK126J-4R7X  | C R  | 4.7Ω 1/2W J    |
| R1562    | NRZ0032-7151X | MF R | 7.15kΩ 1/10W J |
| R1563    | NRZ0032-2941X | MF R | 2.94kΩ 1/10W J |
| R1564    | NRSA02J-153X  | MG R | 15kΩ 1/10W J   |
| R1565    | NRSA02J-0R0X  | MG R | 0.0Ω 1/10W J   |
| R1566    | NRSA02J-333X  | MG R | 33kΩ 1/10W J   |

| Symbol No.      | Part No.     | Part Name | Description   |
|-----------------|--------------|-----------|---------------|
| <b>RESISTOR</b> |              |           |               |
| R1567           | NRSA02J-392X | MG R      | 3.9kΩ 1/10W J |
| R1568           | NRSA02J-223X | MG R      | 22kΩ 1/10W J  |
| R1571           | QRX01GJ-1R5  | MF R      | 1.5Ω 1W J     |
| R1581           | QRJ146J-2R2X | C R       | 2.2Ω 1/4W J   |
| R1582           | QRL029J-223  | OM R      | 22kΩ 2W J     |
| R1583           | QRE121J-333Y | C R       | 33kΩ 1/2W J   |
| R1584           | QRE121J-393Y | C R       | 39kΩ 1/2W J   |
| R1585           | QRE121J-103Y | C R       | 10kΩ 1/2W J   |
| R1586           | QRE121J-472Y | C R       | 4.7kΩ 1/2W J  |
| R1615-16        | NRSA02J-123X | MG R      | 12kΩ 1/10W J  |
| R1617-18        | NRSA02J-332X | MG R      | 3.3kΩ 1/10W J |
| R1619-20        | NRSA02J-391X | MG R      | 390Ω 1/10W J  |
| R1621-22        | QRE121J-4R7Y | C R       | 4.7Ω 1/2W J   |
| R1623           | NRSA02J-0R0X | MG R      | 0.0Ω 1/10W J  |
| R1625           | NRSA02J-333X | MG R      | 33kΩ 1/10W J  |
| R1627           | NRSA02J-101X | MG R      | 100Ω 1/10W J  |
| R1651           | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R1652-53        | NRSA02J-682X | MG R      | 6.8kΩ 1/10W J |
| R1654           | NRSA02J-333X | MG R      | 33kΩ 1/10W J  |
| R1655           | NRSA02J-332X | MG R      | 3.3kΩ 1/10W J |
| R1656           | NRVA02D-152X | MF R      | 1.5kΩ 1/10W D |
| R1658           | NRVA02D-153X | MF R      | 15kΩ 1/10W D  |
| R1660           | NRSA02J-512X | MG R      | 5.1kΩ 1/10W J |
| R1661           | NRSA02J-473X | MG R      | 47kΩ 1/10W J  |
| R1662-65        | NRSA02J-123X | MG R      | 12kΩ 1/10W J  |
| R1666-67        | NRSA02J-562X | MG R      | 5.6kΩ 1/10W J |
| R1668           | NRSA02J-473X | MG R      | 47kΩ 1/10W J  |
| R1669-70        | NRSA02J-471X | MG R      | 470Ω 1/10W J  |
| R1671-72        | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R1673-74        | NRSA02J-823X | MG R      | 82kΩ 1/10W J  |
| R1675-76        | NRSA02J-181X | MG R      | 180Ω 1/10W J  |
| R1677           | NRSA02J-0R0X | MG R      | 0.0Ω 1/10W J  |
| R1678-81        | NRSA02J-223X | MG R      | 22kΩ 1/10W J  |
| R1682           | NRSA02J-683X | MG R      | 68kΩ 1/10W J  |
| R1683-84        | NRSA02J-561X | MG R      | 560Ω 1/10W J  |
| R1691           | NRSA02J-563X | MG R      | 56kΩ 1/10W J  |
| R1701           | NRSA02J-563X | MG R      | 56kΩ 1/10W J  |
| R1702-04        | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |
| R1705           | NRSA02J-823X | MG R      | 82kΩ 1/10W J  |
| R1706           | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |
| R1707           | NRSA02J-0R0X | MG R      | 0.0Ω 1/10W J  |
| R1708-09        | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |
| R1710           | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R1712           | NRSA02J-0R0X | MG R      | 0.0Ω 1/10W J  |
| R1713           | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R1714           | NRSA02J-471X | MG R      | 470Ω 1/10W J  |
| R1715           | NRSA02J-105X | MG R      | 1MΩ 1/10W J   |
| R1716           | NRSA02J-154X | MG R      | 150kΩ 1/10W J |
| R1717           | NRSA02J-563X | MG R      | 56kΩ 1/10W J  |
| R1719           | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R1721-22        | NRSA02J-0R0X | MG R      | 0.0Ω 1/10W J  |
| R1723           | NRSA02J-105X | MG R      | 1MΩ 1/10W J   |
| R1724           | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R1725           | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |
| R1726           | NRSA02J-392X | MG R      | 3.9kΩ 1/10W J |
| R1727           | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |
| R1728           | NRSA02J-392X | MG R      | 3.9kΩ 1/10W J |
| R1729           | NRSA02J-153X | MG R      | 15kΩ 1/10W J  |
| R1730           | NRSA02J-682X | MG R      | 6.8kΩ 1/10W J |
| R1732           | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R1733           | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |
| R1734           | NRSA02J-182X | MG R      | 1.8kΩ 1/10W J |
| R1735           | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R1736           | NRSA02J-332X | MG R      | 3.3kΩ 1/10W J |
| R1737           | NRSA02J-472X | MG R      | 4.7kΩ 1/10W J |
| R1738           | NRSA02J-152X | MG R      | 1.5kΩ 1/10W J |
| R1739           | NRSA02J-472X | MG R      | 4.7kΩ 1/10W J |
| R1740           | NRSA02J-152X | MG R      | 1.5kΩ 1/10W J |
| R1741           | NRSA02J-472X | MG R      | 4.7kΩ 1/10W J |
| R1742           | NRSA02J-152X | MG R      | 1.5kΩ 1/10W J |
| R1743-44        | NRSA02J-0R0X | MG R      | 0.0Ω 1/10W J  |
| R1745-46        | NRSA02J-561X | MG R      | 560Ω 1/10W J  |
| R1747           | NRSA02J-0R0X | MG R      | 0.0Ω 1/10W J  |
| R1751           | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |

| Symbol No.      | Part No.     | Part Name | Description   |
|-----------------|--------------|-----------|---------------|
| <b>RESISTOR</b> |              |           |               |
| R1752           | NRSA02J-472X | MG R      | 4.7kΩ 1/10W J |
| R1753           | NRSA02J-153X | MG R      | 15kΩ 1/10W J  |
| R1754           | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |
| R1755           | NRSA02J-472X | MG R      | 4.7kΩ 1/10W J |
| R1756           | NRSA02J-153X | MG R      | 15kΩ 1/10W J  |
| R1757-58        | NRSA02J-122X | MG R      | 1.2kΩ 1/10W J |
| R1759           | NRSA02J-0R0X | MG R      | 0.0Ω 1/10W J  |
| R1765-66        | NRSA02J-0R0X | MG R      | 0.0Ω 1/10W J  |
| R1767           | NRSA02J-474X | MG R      | 470kΩ 1/10W J |
| R1768           | NRSA02J-473X | MG R      | 47kΩ 1/10W J  |
| R1769           | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R1771           | NRSA02J-0R0X | MG R      | 0.0Ω 1/10W J  |
| R1804-06        | NRSA02J-101X | MG R      | 100Ω 1/10W J  |
| △ R1901         | QRF074K-1R2  | UNF R     | 1.2 Ω 7W K    |
| △ R1921         | QRX029J-2R7  | MF R      | 2.7 Ω 2W J    |
| R1923           | QRJ146J-470X | C R       | 47Ω 1/4W J    |
| R1924           | QRN141J-334Y | C R       | 330kΩ 1/4W J  |
| R1925           | QRN141J-123Y | C R       | 12kΩ 1/4W J   |
| △ R1926         | QRF154J-271  | UNF R     | 270 Ω 15W J   |
| △ R1927         | QRF154J-271  | UNF R     | 270 Ω 15W J   |
| R1952           | NRSA02J-222X | MG R      | 2.2kΩ 1/10W J |
| R1953           | NRSA02J-122X | MG R      | 1.2kΩ 1/10W J |
| R1954           | QRE121J-102Y | C R       | 1kΩ 1/2W J    |
| R1955           | NRSA02J-223X | MG R      | 22kΩ 1/10W J  |
| R1956           | QRE121J-101Y | C R       | 100Ω 1/2W J   |
| R1957           | NRSA02J-222X | MG R      | 2.2kΩ 1/10W J |
| R1958           | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |
| △ R1981         | QRZ9041-275  | C R       | 2.7MΩ 1/2W K  |

**CAPACITOR**

|          |              |           |              |
|----------|--------------|-----------|--------------|
| C1001    | QETN1HM-106Z | E CAP.    | 10μF 50V M   |
| C1003    | QETN1AM-477Z | E CAP.    | 470μF 10V M  |
| C1004    | QETN1HM-106Z | E CAP.    | 10μF 50V M   |
| C1005    | NCB21HK-103X | C CAP.    | 0.01μF 50V K |
| C1006    | QETN1CM-476Z | E CAP.    | 47μF 16V M   |
| C1011-12 | NCB21HK-102X | C CAP.    | 1000pF 50V K |
| C1101-04 | NCB21HK-103X | C CAP.    | 0.01μF 50V K |
| C1105    | QETN1CM-107Z | E CAP.    | 100μF 16V M  |
| C1106    | NCB21HK-103X | C CAP.    | 0.01μF 50V K |
| C1107    | NRSA02J-0R0X | MG R      | 0.0Ω 1/10W J |
| C1108    | NDC21HJ-680X | C CAP.    | 68pF 50V J   |
| C1131    | QFV71HJ-154Z | MF CAP.   | 0.15μF 50V J |
| C1132    | NCB21HK-152X | C CAP.    | 1500pF 50V K |
| C1133    | QETN1HM-474Z | E CAP.    | 0.47μF 50V M |
| C1134    | NCB21HK-472X | C CAP.    | 4700pF 50V K |
| C1135    | NCB21HK-103X | C CAP.    | 0.01μF 50V K |
| C1138    | QETN1CM-476Z | E CAP.    | 47μF 16V M   |
| C1161    | QETN1CM-107Z | E CAP.    | 100μF 16V M  |
| C1162    | NCB21HK-103X | C CAP.    | 0.01μF 50V K |
| C1163-64 | NDC21HJ-470X | C CAP.    | 47pF 50V J   |
| C1166    | NCB21HK-103X | C CAP.    | 0.01μF 50V K |
| C1167    | NDC21HJ-470X | C CAP.    | 47pF 50V J   |
| C1169-70 | NCB21HK-103X | C CAP.    | 0.01μF 50V K |
| C1205    | NDC21HJ-680X | C CAP.    | 68pF 50V J   |
| C1207    | QETN1HM-474Z | E CAP.    | 0.47μF 50V M |
| C1208    | QETN1HM-106Z | E CAP.    | 10μF 50V M   |
| C1209-10 | QETN1HM-105Z | E CAP.    | 1μF 50V M    |
| C1212    | NCB21HK-104X | CHIP CAP. | 0.1μF 50V K  |
| C1214    | QETN1HM-106Z | E CAP.    | 10μF 50V M   |
| C1215    | QETN1HM-105Z | E CAP.    | 1μF 50V M    |
| C1217    | QETN1CM-476Z | E CAP.    | 47μF 16V M   |
| C1253    | QETN1HM-105Z | E CAP.    | 1μF 50V M    |
| C1254-55 | QETN1HM-106Z | E CAP.    | 10μF 50V M   |
| C1256    | QETN1CM-107Z | E CAP.    | 100μF 16V M  |
| C1257    | NCB21HK-103X | C CAP.    | 0.01μF 50V K |
| C1258    | QETN1CM-107Z | E CAP.    | 100μF 16V M  |
| C1259    | QETN1EM-476Z | E CAP.    | 47μF 25V M   |
| C1260    | NCB21HK-103X | C CAP.    | 0.01μF 50V K |
| C1261    | QETN1EM-476Z | E CAP.    | 47μF 25V M   |
| C1263    | NDC21HJ-181X | C CAP.    | 180pF 50V J  |
| C1264    | QETN1EM-476Z | E CAP.    | 47μF 25V M   |
| C1265    | NCB21HK-103X | C CAP.    | 0.01μF 50V K |
| C1266    | QENC1EM-106Z | BP E CAP. | 10μF 25V M   |
| C1267    | NDC21HJ-470X | C CAP.    | 47pF 50V J   |

△ Symbol No. Part No. Part Name Description

## CAPACITOR

|          |              |           |                     |
|----------|--------------|-----------|---------------------|
| C1268    | NDC21HJ-101X | C CAP.    | 100pF 50V J         |
| C1269    | NDC21HJ-181X | C CAP.    | 180pF 50V J         |
| C1272    | NDC21HJ-390X | C CAP.    | 39pF 50V J          |
| C1274    | QETN1HM-105Z | E CAP.    | 1pF 50V M           |
| C1276    | QETN1HM-106Z | E CAP.    | 10pF 50V M          |
| C1277    | QETN1EM-476Z | E CAP.    | 47pF 25V M          |
| C1278-80 | NCB21HK-103X | C CAP.    | 0.01pF 50V K        |
| C1281    | NDC21HJ-150X | C CAP.    | 15pF 50V J          |
| C1283-86 | NCB21HK-103X | C CAP.    | 0.01pF 50V K        |
| C1287    | QETN1HM-474Z | E CAP.    | 0.47pF 50V M        |
| C1288-90 | NCB21HK-103X | C CAP.    | 0.01pF 50V K        |
| C1291    | QETN1EM-476Z | E CAP.    | 47pF 25V M          |
| C1303    | NCB21HK-103X | C CAP.    | 0.01pF 50V K        |
| C1304    | QETN1CM-107Z | E CAP.    | 100pF 16V M         |
| C1305    | NDC21HJ-100X | C CAP.    | 10pF 50V J          |
| C1306    | NCB21HK-223X | C CAP.    | 0.022pF 50V K       |
| C1307    | QETN1HM-474Z | E CAP.    | 0.47pF 50V M        |
| C1308    | NCB21HK-103X | C CAP.    | 0.01pF 50V K        |
| C1309    | NDC21HJ-280X | C CAP.    | 2.0pF 50V J         |
| C1352    | NDC21HJ-680X | C CAP.    | 68pF 50V J          |
| C1353    | NDC21HJ-271X | C CAP.    | 270pF 50V J         |
| C1356    | NCB21HK-104X | CHIP CAP. | 0.1pF 50V K         |
| C1374-76 | NCS21HJ-561X | C CAP.    | 560pF 50V J         |
| C1377    | QETN1CM-107Z | E CAP.    | 100pF 16V M         |
| C1391    | QETN2EM-226  | E CAP.    | 22pF 250V M         |
| △ C1392  | QCZ0121-102  | C CAP.    | 1000pF 3kV Z        |
| C1401    | QETN1HM-225Z | E CAP.    | 2.2pF 50V M         |
| C1402    | QBHC1CK-225Z | TAN. CAP. | 2.2pF 16V K         |
| C1403    | NCB21HK-102X | C CAP.    | 1000pF 50V K        |
| C1421    | NCB21HK-472X | C CAP.    | 4700pF 50V K        |
| C1424    | QETN1VM-107Z | E CAP.    | 100pF 35V M         |
| C1425    | QETN1VM-477Z | E CAP.    | 470pF 35V M         |
| C1426    | QFLC2AK-473Z | M CAP.    | 0.047pF 100V K      |
| C1427    | QETN1EM-228  | E CAP.    | 2200pF 25V M        |
| C1428    | QFV21HJ-474Z | MF CAP.   | 0.47pF 50V J        |
| C1429    | QFV21HJ-224Z | MF CAP.   | 0.22pF 50V J        |
| C1501    | QETN1CM-107Z | E CAP.    | 100pF 16V M         |
| C1502    | QETN1HM-106Z | E CAP.    | 10pF 50V M          |
| C1503    | NCB21HK-103X | C CAP.    | 0.01pF 50V K        |
| C1505    | QETN1HM-106Z | E CAP.    | 10pF 50V M          |
| C1511    | QETN1CM-476Z | E CAP.    | 47pF 16V M          |
| C1521    | NCB21HK-332X | C CAP.    | 3300pF 50V K        |
| C1522    | NCB21HK-822X | C CAP.    | 8200pF 50V K        |
| C1523    | QEM61HK-105Z | E CAP.    | 1pF 50V K           |
| △ C1524  | QFZ0117-125Z | MPP CAP.  | 12500pF 1.4kVH±2.5% |
| △ C1525  | QEZ0203-107  | E CAP.    | 100pF 160V M        |
| △ C1526  | QFZ0119-434  | MPP CAP.  | 0.43pF 200V ±3%     |
| C1527    | QCB32HK-561Z | C CAP.    | 560pF 500V K        |
| C1543    | QETN1VM-477Z | E CAP.    | 470pF 35V M         |
| C1545    | QETN1CM-227Z | E CAP.    | 220pF 16V M         |
| C1546    | QETN1CM-477Z | E CAP.    | 470pF 16V M         |
| C1548    | QETN1CM-227Z | E CAP.    | 220pF 16V M         |
| △ C1561  | QETN1HM-106Z | E CAP.    | 10pF 50V M          |
| C1562    | QETN1HM-475Z | E CAP.    | 4.7pF 50V M         |
| C1563    | NCB21HK-103X | C CAP.    | 0.01pF 50V K        |
| △ C1581  | QETN2EM-106Z | E CAP.    | 10pF 250V M         |
| C1582    | NCB21HK-473X | C CAP.    | 0.047pF 50V K       |
| C1583    | QETN1HM-225Z | E CAP.    | 2.2pF 50V M         |
| C1584    | QFLC2AJ-104Z | M CAP.    | 0.1pF 100V J        |
| C1615    | NRSA02J-OROX | MG R      | 0.002 1/10W J       |
| C1616    | QENC1HM-474Z | BP E CAP. | 0.47pF 50V M        |
| C1617    | QETN1CM-476Z | E CAP.    | 47pF 16V M          |
| C1618    | QETN1CM-107Z | E CAP.    | 100pF 16V M         |
| C1619    | QETN1CM-477Z | E CAP.    | 470pF 16V M         |
| C1620    | NCB21HK-104X | CHIP CAP. | 0.1pF 50V K         |
| C1621    | NRSA02J-OROX | MG R      | 0.002 1/10W J       |
| C1622    | QENC1HM-474Z | BP E CAP. | 0.47pF 50V M        |
| C1623    | QETN1CM-476Z | E CAP.    | 47pF 16V M          |
| C1624    | QETN1CM-107Z | E CAP.    | 100pF 16V M         |
| C1625    | QETN1CM-477Z | E CAP.    | 470pF 16V M         |
| C1626    | NCB21HK-104X | CHIP CAP. | 0.1pF 50V K         |
| C1627    | QETN1CM-477Z | E CAP.    | 470pF 16V M         |
| C1651    | NCB21HK-103X | C CAP.    | 0.01pF 50V K        |
| C1652    | QETN1CM-107Z | E CAP.    | 100pF 16V M         |
| C1653    | QETN1CM-476Z | E CAP.    | 47pF 16V M          |

△ Symbol No. Part No. Part Name Description

## CAPACITOR

|            |               |           |                  |
|------------|---------------|-----------|------------------|
| C1654      | NCB21HK-104X  | CHIP CAP. | 0.1pF 50V K      |
| C1655      | QENC1HM-475Z  | BP E CAP. | 4.7pF 50V M      |
| C1656      | QENC1HM-105Z  | BP E CAP. | 1pF 50V M        |
| C1657      | QETN1HM-225Z  | E CAP.    | 2.2pF 50V M      |
| C1658      | NCB21HK-473X  | C CAP.    | 0.047pF 50V K    |
| C1659      | QETN1HM-474Z  | E CAP.    | 0.47pF 50V M     |
| C1660-61   | NCB21HK-104X  | CHIP CAP. | 0.1pF 50V K      |
| C1662      | QBTC1CK-335Z  | TAN. CAP. | 3.3pF 16V K      |
| C1663      | QETN1HM-105Z  | E CAP.    | 1pF 50V M        |
| C1664      | QBTC1CK-106Z  | TAN. CAP. | 10pF 16V K       |
| C1665-66   | QETN1HM-105Z  | E CAP.    | 1pF 50V M        |
| C1667      | QETN1HM-336Z  | E CAP.    | 33pF 50V M       |
| C1668      | QETN1HM-105Z  | E CAP.    | 1pF 50V M        |
| C1669-70   | QENC1HM-105Z  | BP E CAP. | 1pF 50V M        |
| C1671      | QETN1HM-225Z  | E CAP.    | 2.2pF 50V M      |
| C1672      | NCB21HK-222X  | C CAP.    | 2200pF 50V K     |
| C1673      | NCB21HK-104X  | CHIP CAP. | 0.1pF 50V K      |
| C1674      | QETN1HM-225Z  | E CAP.    | 2.2pF 50V M      |
| C1675      | NCB21HK-222X  | C CAP.    | 2200pF 50V K     |
| C1676      | NCB21HK-104X  | CHIP CAP. | 0.1pF 50V K      |
| C1679      | QETN1HM-105Z  | E CAP.    | 1pF 50V M        |
| C1680      | QETN1CM-476Z  | E CAP.    | 47pF 16V M       |
| C1682-83   | QETN1HM-474Z  | E CAP.    | 0.47pF 50V M     |
| C1685-86   | QETN1HM-106Z  | E CAP.    | 10pF 50V M       |
| C1687-88   | NCB21HK-472X  | C CAP.    | 4700pF 50V K     |
| C1701      | NDC21HJ-560X  | C CAP.    | 560pF 50V J      |
| C1703      | NCB21HK-102X  | C CAP.    | 1000pF 50V K     |
| C1704      | NCB21HK-103X  | C CAP.    | 0.01pF 50V K     |
| C1705      | NDC21HJ-151X  | C CAP.    | 150pF 50V J      |
| C1706      | NCB21HK-104X  | CHIP CAP. | 0.1pF 50V K      |
| C1707      | QETN1HM-105Z  | E CAP.    | 1pF 50V M        |
| C1708      | NCS21HJ-221X  | C CAP.    | 220pF 50V J      |
| C1709      | NCS21HJ-102X  | C CAP.    | 1000pF 50V J     |
| C1710      | NDC21HJ-681X  | C CAP.    | 680pF 50V J      |
| C1711      | QETN1HM-474Z  | E CAP.    | 0.47pF 50V M     |
| C1712      | NCB21HK-102X  | C CAP.    | 1000pF 50V K     |
| C1714      | NCB21HK-103X  | C CAP.    | 0.01pF 50V K     |
| C1716      | QETN1CM-476Z  | E CAP.    | 47pF 16V M       |
| C1717      | NCB21HK-104X  | CHIP CAP. | 0.1pF 50V K      |
| C1718      | NCB21HK-103X  | C CAP.    | 0.01pF 50V K     |
| C1719-20   | QETN1CM-107Z  | E CAP.    | 100pF 16V M      |
| C1721      | NCB21HK-104X  | CHIP CAP. | 0.1pF 50V K      |
| C1722-23   | NDC21HJ-580X  | C CAP.    | 5.0pF 50V J      |
| C1724      | NCB21HK-103X  | C CAP.    | 0.01pF 50V K     |
| C1725      | QETN1HM-227Z  | E CAP.    | 220pF 10V M      |
| C1726      | NDC21HJ-470X  | C CAP.    | 47pF 50V J       |
| C1735      | NCB21HK-103X  | C CAP.    | 0.01pF 50V K     |
| C1751      | QETN1CM-476Z  | E CAP.    | 47pF 16V M       |
| △ C1801-03 | QENC1HM-474Z  | BP E CAP. | 0.47pF 50V M     |
| △ C1901    | QFZ9040-104   | MF CAP.   | 0.1pF FAC275V M  |
| △ C1902    | QFZ9040-473   | MF CAP.   | 0.47pF FAC275V M |
| △ C1911    | QCZ9074-472   | C CAP.    | 4700pF FAC125V M |
| △ C1912    | QCZ9074-472   | C CAP.    | 4700pF FAC125V M |
| △ C1913    | QCZ9074-472   | C CAP.    | 4700pF FAC125V M |
| △ C1914    | QEZ0429-477   | E CAP.    | 470pF 200V M     |
| △ C1921    | QEHRC2CN-335Z | E CAP.    | 3.3pF 160V M     |
| C1951      | QETN1EM-227Z  | E CAP.    | 220pF 25V M      |
| C1953      | QETN1EM-107Z  | E CAP.    | 100pF 25V M      |
| C1954      | NCB21HK-473X  | C CAP.    | 0.047pF 50V K    |
| C1956      | QETN1HM-106Z  | E CAP.    | 10pF 50V M       |
| C1958      | QETN1EM-107Z  | E CAP.    | 100pF 25V M      |
| C1959      | QETN1HM-226Z  | E CAP.    | 22pF 50V M       |
| △ C1981    | QCZ9074-103   | C CAP.    | 0.01pF FAC125V M |
| △ C1982    | QCZ9074-103   | C CAP.    | 0.01pF FAC125V M |

## TRANSFORMER

|       |               |                   |
|-------|---------------|-------------------|
| T1131 | QQR0907-001   | I. F. TRANSFORMER |
| T1161 | CELT003-109J3 | S. I. F. TRANSF.  |
| T1521 | CE41106-00CJ1 | DRIVE TRANSF.     |
| T1522 | QHQ0028-001   | H. V. TRANSF.     |
| T1901 | QQT0198-001   | POWER TRANSF.     |

## COIL

|       |              |      |       |
|-------|--------------|------|-------|
| L1001 | QQL03BJ-150Z | COIL | 15μH  |
| L1003 | QQL03BJ-5R6Z | COIL | 5.6μH |

△ Symbol No. Part No. Part Name Description

### COIL

|          |              |                |       |
|----------|--------------|----------------|-------|
| L1102    | QQL2014-R22  | PEAKING COIL   |       |
| L1104    | QQL03BJ-680Z | COIL           | 68μH  |
| L1131    | QQL03BJ-220Z | COIL           | 22μH  |
| L1161    | QQL03BJ-680Z | COIL           | 68μH  |
| L1162    | QQL03BJ-390Z | COIL           | 39μH  |
| L1201    | QQL03BJ-330Z | COIL           | 33μH  |
| L1252-53 | QQL29BJ-4R7Z | PEAKING COIL   |       |
| L1255    | QQL29BJ-6R8Z | PEAKING COIL   |       |
| L1256    | QQL29BJ-150Z | PEAKING COIL   |       |
| L1271    | QQL29BJ-150Z | PEAKING COIL   |       |
| L1351    | QQL29BJ-150Z | PEAKING COIL   |       |
| L1391    | QQL03BJ-390Z | COIL           | 39μH  |
| L1521    | CELL004-001  | LINEARITY COIL |       |
| L1701    | QQL03BJ-4R7Z | COIL           | 4.7μH |
| L1709    | QQL03BJ-100Z | COIL           | 10μH  |

### DIODE

|          |                |              |  |
|----------|----------------|--------------|--|
| D1001    | MTZJ33B-T2     | ZENER DIODE  |  |
| D1002    | MTZJ5.1B-T2    | ZENER DIODE  |  |
| D1003-04 | MTZJ9.1C-T2    | ZENER DIODE  |  |
| D1201-03 | 1SS133-T2      | SI. DIODE    |  |
| D1252-54 | MTZJ9.1C-T2    | ZENER DIODE  |  |
| D1421    | 1N4003-T2      | SI. DIODE    |  |
| D1422    | MTZJ75-T2      | ZENER DIODE  |  |
| D1423    | 1SS133-T2      | SI. DIODE    |  |
| D1501    | MTZJ9.1C-T2    | ZENER DIODE  |  |
| D1511    | MTZJ3.3A-T2    | ZENER DIODE  |  |
| D1541    | RGP10J-5025-T3 | SI. DIODE    |  |
| D1542    | 1SR35-400A-T2  | SI. DIODE    |  |
| D1543-44 | RGP10J-5025-T3 | SI. DIODE    |  |
| D1561    | 1SS81-T2       | SI. DIODE    |  |
| △ D1562  | MA4068N/Z1-T2  | ZENER DIODE  |  |
| D1563    | 1SS133-T2      | SI. DIODE    |  |
| △ D1581  | RH15-T3        | SI. DIODE    |  |
| D1582    | RGP10J-5025-T3 | SI. DIODE    |  |
| D1583    | MTZJ9.1C-T2    | ZENER DIODE  |  |
| D1601-02 | 1SS133-T2      | SI. DIODE    |  |
| D1651-52 | MTZJ9.1C-T2    | ZENER DIODE  |  |
| D1659-60 | MTZJ9.1C-T2    | ZENER DIODE  |  |
| D1704-07 | 1SS133-T2      | SI. DIODE    |  |
| D1711    | 1SS133-T2      | SI. DIODE    |  |
| D1717-18 | MTZJ9.1C-T2    | ZENER DIODE  |  |
| D1751    | SLR-342VR3F    | L.E.D.       |  |
| D1804    | MTZJ5.1B-T2    | ZENER DIODE  |  |
| D1805    | 1SS133-T2      | SI. DIODE    |  |
| △ D1911  | D3SB60         | BRIDGE DIODE |  |
| D1941-44 | 1SR35-400A-T2  | SI. DIODE    |  |
| D1951    | MTZJ12C-T2     | ZENER DIODE  |  |
| D1953    | 1SR35-400A-T2  | SI. DIODE    |  |
| D1957-58 | 1SS133-T2      | SI. DIODE    |  |

### TRANSISTOR

|          |                 |                  |        |
|----------|-----------------|------------------|--------|
| Q1101    | 2SC5083/L-P/-T  | SI. TRANSISTOR   |        |
| Q1131-32 | 2SC2412K/QR/-X  | SI. TRANSISTOR   |        |
| Q1161    | 2SC2412K/QR/-X  | SI. TRANSISTOR   |        |
| Q1201-03 | 2SC2412K/QR/-X  | SI. TRANSISTOR   |        |
| Q1261-62 | 2SC2412K/QR/-X  | SI. TRANSISTOR   |        |
| Q1263-64 | DTC124EKA-X     | DIGI. TRANSISTOR |        |
| Q1271    | 2SC2412K/QR/-X  | SI. TRANSISTOR   |        |
| Q1273-74 | 2SC2412K/QR/-X  | SI. TRANSISTOR   |        |
| Q1276    | 2SC2412K/QR/-X  | SI. TRANSISTOR   |        |
| Q1278-79 | 2SC2412K/QR/-X  | SI. TRANSISTOR   |        |
| Q1280    | 2SA1037AK/QR/-X | SI. TRANSISTOR   |        |
| Q1282    | 2SA1037AK/QR/-X | SI. TRANSISTOR   |        |
| Q1351    | 2SC2412K/QR/-X  | SI. TRANSISTOR   |        |
| Q1361    | 2SC2412K/QR/-X  | SI. TRANSISTOR   |        |
| Q1371-73 | 2SC4544-LB      | SI. TRANSISTOR   |        |
| Q1521    | 2SC2655/Y/-T    | SI. TRANSISTOR   |        |
| △ Q1522  | 2SD2499-LB      | SI. TRANSISTOR   | H. OUT |
| Q1561    | 2SC2785/JH/-T   | SI. TRANSISTOR   |        |
| Q1562    | 2SA933AS/QR/-T  | SI. TRANSISTOR   |        |
| Q1602    | DTC323TK-X      | DIGI. TRANSISTOR |        |
| Q1651-54 | 2SC2412K/QR/-X  | SI. TRANSISTOR   |        |
| Q1655    | 2SA1037AK/QR/-X | SI. TRANSISTOR   |        |
| Q1701-03 | 2SC2412K/QR/-X  | SI. TRANSISTOR   |        |
| Q1704    | DTC323TK-X      | DIGI. TRANSISTOR |        |

△ Symbol No. Part No. Part Name Description

### TRANSISTOR

|       |                |                |  |
|-------|----------------|----------------|--|
| Q1951 | 2SC2412K/QR/-X | SI. TRANSISTOR |  |
| Q1952 | 2SA966/OY/-T   | SI. TRANSISTOR |  |
| Q1953 | 2SC2412K/QR/-X | SI. TRANSISTOR |  |

### IC

|          |                |                 |           |
|----------|----------------|-----------------|-----------|
| IC1201   | TA1242N        | I.C. (MONO-ANA) |           |
| IC1251   | BA7612N        | I.C. (MONO-ANA) |           |
| IC1252   | TC90A45P       | I.C. (DIGI-MOS) |           |
| IC1253   | AN78L05-T      | I.C. (MONO-ANA) |           |
| IC1271   | TC4066BP/N/    | I.C. (DIGI-MOS) |           |
| △ IC1421 | LA7832         | I.C. (MONO-ANA) |           |
| IC1541   | AN7809F        | I.C. (MONO-ANA) |           |
| △ IC1602 | LA4446         | I.C. (MONO-ANA) |           |
| IC1651   | UPC1851BCU     | I.C. (MONO-ANA) |           |
| IC1652   | BA15218N       | I.C. (MONO-ANA) |           |
| IC1701   | M37272MA-050SP | IC              | (SERVICE) |
| IC1702   | AT24C02-C20110 | I.C.            |           |
| IC1703   | L78L05E-MA     | I.C. (MONO-ANA) |           |
| IC1751   | GPIU281Q       | IFR DETECT UNIT |           |
| △ IC1921 | STR30134       | I.C. (H)        |           |
| IC1951   | TA78L009AP-T   | I.C. (MONO-ANA) |           |

### OTHERS

|           |                |                |                 |
|-----------|----------------|----------------|-----------------|
| CF1001    | QAX0349-001    | CERAMIC FILTER |                 |
| CF1131    | CE41505-001    | CERAMIC FILTER |                 |
| CF1161    | SFSH4.5MCB     | CERAMIC FILTER |                 |
| CF1501    | CS8503F30-T2   | CER. RESONATOR |                 |
| CF1701    | CST8.00MTW     | CER. RESONATOR |                 |
| CF1702    | QAX0428-001    | CER. RESONATOR |                 |
| CL1001    | QZW0028-002    | WIRE CLAMP     |                 |
| CL1002-03 | QZW0028-001    | WIRE CLAMP     |                 |
| △ CN10PW  | QMPD200-200-JC | POWER CORD     | (Charcoal type) |
| △ F1901   | QMF0007-6R3J1  | FUSE           | 6.3A            |
| △ F1902   | QMF0007-1R25J1 | FUSE           | 1.25A           |
| FC1901    | CEMG002-001Z   | FUSE CLIP      | (x2)            |
| FC1902    | CEMG002-001Z   | FUSE CLIP      | (x4)            |
| △ FR1720  | QRZ9017-820    | F R            | 82 Ω 1/4W J     |
| J1003     | QNZ0117-001    | PIN JACK       |                 |
| J1004     | QNN0181-001    | PIN JACK       |                 |
| K1251     | CE41433-001Z   | BEADS CORE     |                 |
| K1252     | QQR0582-001Z   | BEADS CORE     |                 |
| K1253     | CE41433-001Z   | BEADS CORE     |                 |
| K1701     | QQR0582-001Z   | BEADS CORE     |                 |
| △ LF1901  | QQR0864-002    | LINE FILTER    |                 |
| △ RY1901  | QSK0083-001    | RELAY          |                 |
| S1751     | QSW0619-003Z   | PUSH SWITCH    | MENU            |
| S1752     | QSW0619-003Z   | PUSH SWITCH    | CH-             |
| S1753     | QSW0619-003Z   | PUSH SWITCH    | CH+             |
| S1754     | QSW0619-003Z   | PUSH SWITCH    | VOL-            |
| S1755     | QSW0619-003Z   | PUSH SWITCH    | VOL+            |
| △ S1756   | QSW0619-003Z   | PUSH SWITCH    | POWER           |
| △ SF1101  | CE42589-201    | SAW FILTER     |                 |
| △ SK1371  | CE42535-001J1  | C.R.T. SOCKET  |                 |
| △ TH1901  | CEKP007-002    | P. THERMISTOR  |                 |
| △ TV1001  | QAU0069-001    | TUNER          |                 |
| △ VA1901  | ERZV10V361CS   | VARIATOR       |                 |
| W1019     | NRSA02J-OROX   | MG R           | 0.0Ω 1/10W J    |
| W1053-54  | NRSA02J-OROX   | MG R           | 0.0Ω 1/10W J    |
| W1061-64  | NRSA02J-OROX   | MG R           | 0.0Ω 1/10W J    |
| W1066-68  | NRSA02J-OROX   | MG R           | 0.0Ω 1/10W J    |
| W1071-72  | NRSA02J-OROX   | MG R           | 0.0Ω 1/10W J    |
| W1082-83  | NRSA02J-OROX   | MG R           | 0.0Ω 1/10W J    |
| W1109     | NRSA02J-OROX   | MG R           | 0.0Ω 1/10W J    |
| W1117     | NRSA02J-OROX   | MG R           | 0.0Ω 1/10W J    |
| W1121     | NRSA02J-OROX   | MG R           | 0.0Ω 1/10W J    |
| W1184-86  | NRSA02J-OROX   | MG R           | 0.0Ω 1/10W J    |
| W1245-47  | NRSA02J-OROX   | MG R           | 0.0Ω 1/10W J    |
| W1304-12  | NRSA02J-OROX   | MG R           | 0.0Ω 1/10W J    |
| W1323-24  | NRSA02J-OROX   | MG R           | 0.0Ω 1/10W J    |
| W1326     | NRSA02J-OROX   | MG R           | 0.0Ω 1/10W J    |
| W1332     | NRSA02J-OROX   | MG R           | 0.0Ω 1/10W J    |
| X1301     | QAX0310-001Z   | CRYSTAL        |                 |
| Y1170-71  | NRSA02J-OROX   | MG R           | 0.0Ω 1/10W J    |
| Y1541     | NRSA02J-OROX   | MG R           | 0.0Ω 1/10W J    |

## AV-27120(A US&amp;A CA)

## PRINTED WIRING BOARD PARTS LIST

## MAIN P.W. BOARD ASS'Y (SFV-1033A-M2)

| Symbol No. | Part No. | Part Name | Description |
|------------|----------|-----------|-------------|
|------------|----------|-----------|-------------|

## RESISTOR

|          |              |      |               |
|----------|--------------|------|---------------|
| R1001    | QRE121J-5R6Y | C R  | 5.6Ω 1/2W J   |
| R1003-04 | NRSA02J-0R0X | MG R | 0.0Ω 1/10W J  |
| R1005    | QRG01GJ-121  | OM R | 120Ω 1W J     |
| R1101    | NRSA02J-820X | MG R | 82Ω 1/10W J   |
| R1102    | NRSA02J-562X | MG R | 5.6kΩ 1/10W J |
| R1103    | NRSA02J-182X | MG R | 1.8kΩ 1/10W J |
| R1104    | QRE121J-101Y | C R  | 100Ω 1/2W J   |
| R1105    | NRSA02J-180X | MG R | 18Ω 1/10W J   |
| R1106    | NRSA02J-270X | MG R | 27Ω 1/10W J   |
| R1131    | NRSA02J-271X | MG R | 270Ω 1/10W J  |
| R1133    | NRSA02J-101X | MG R | 100Ω 1/10W J  |
| R1134    | NRSA02J-102X | MG R | 1kΩ 1/10W J   |
| R1135    | NRSA02J-561X | MG R | 560Ω 1/10W J  |
| R1136    | NRSA02J-182X | MG R | 1.8kΩ 1/10W J |
| R1137    | NRSA02J-272X | MG R | 2.7kΩ 1/10W J |
| R1138    | NRSA02J-821X | MG R | 820Ω 1/10W J  |
| R1139    | NRSA02J-0R0X | MG R | 0.0Ω 1/10W J  |
| R1142    | NRSA02J-101X | MG R | 100Ω 1/10W J  |
| R1145    | NRSA02J-472X | MG R | 4.7kΩ 1/10W J |
| R1146    | NRSA02J-273X | MG R | 27kΩ 1/10W J  |
| R1161-62 | NRSA02J-102X | MG R | 1kΩ 1/10W J   |
| R1163    | NRSA02J-472X | MG R | 4.7kΩ 1/10W J |
| R1164    | NRSA02J-332X | MG R | 3.3kΩ 1/10W J |
| R1165    | NRSA02J-0R0X | MG R | 0.0Ω 1/10W J  |
| R1201    | NRSA02J-0R0X | MG R | 0.0Ω 1/10W J  |
| R1203    | NRSA02J-102X | MG R | 1kΩ 1/10W J   |
| R1204    | NRSA02J-681X | MG R | 680Ω 1/10W J  |
| R1205    | NRSA02J-152X | MG R | 1.5kΩ 1/10W J |
| R1207    | NRSA02J-0R0X | MG R | 0.0Ω 1/10W J  |
| R1208    | NRSA02J-472X | MG R | 4.7kΩ 1/10W J |
| R1209    | NRSA02J-471X | MG R | 470Ω 1/10W J  |
| R1210    | NRSA02J-392X | MG R | 3.9kΩ 1/10W J |
| R1211    | NRSA02J-471X | MG R | 470Ω 1/10W J  |
| R1212    | NRSA02J-103X | MG R | 10kΩ 1/10W J  |
| R1213    | NRSA02J-391X | MG R | 390Ω 1/10W J  |
| R1215    | NRSA02J-334X | MG R | 330kΩ 1/10W J |
| R1216    | NRSA02J-563X | MG R | 56kΩ 1/10W J  |
| R1218    | NRSA02J-182X | MG R | 1.8kΩ 1/10W J |
| R1219    | NRSA02J-122X | MG R | 1.2kΩ 1/10W J |
| R1220    | NRSA02J-561X | MG R | 560Ω 1/10W J  |
| R1222    | NRSA02J-102X | MG R | 1kΩ 1/10W J   |
| R1234    | NRSA02J-222X | MG R | 2.2kΩ 1/10W J |
| R1235    | NRSA02J-471X | MG R | 470Ω 1/10W J  |
| R1237-38 | NRSA02J-101X | MG R | 100Ω 1/10W J  |
| R1239    | NRSA02J-102X | MG R | 1kΩ 1/10W J   |
| R1240    | NRSA02J-272X | MG R | 2.7kΩ 1/10W J |
| R1241    | NRSA02J-102X | MG R | 1kΩ 1/10W J   |
| R1242    | NRSA02J-101X | MG R | 100Ω 1/10W J  |
| R1243    | NRSA02J-223X | MG R | 22kΩ 1/10W J  |
| R1244    | NRSA02J-473X | MG R | 47kΩ 1/10W J  |
| R1248    | NRSA02J-333X | MG R | 33kΩ 1/10W J  |
| R1249    | NRSA02J-153X | MG R | 15kΩ 1/10W J  |
| R1251    | NRSA02J-750X | MG R | 75Ω 1/10W J   |
| R1254    | NRSA02J-750X | MG R | 75Ω 1/10W J   |
| R1256    | NRSA02J-680X | MG R | 68Ω 1/10W J   |
| R1257    | NRSA02J-102X | MG R | 1kΩ 1/10W J   |
| R1260    | NRSA02J-181X | MG R | 180Ω 1/10W J  |
| R1261    | NRSA02J-182X | MG R | 1.8kΩ 1/10W J |
| R1262    | NRSA02J-102X | MG R | 1kΩ 1/10W J   |
| R1264    | NRSA02J-0R0X | MG R | 0.0Ω 1/10W J  |
| R1265    | NRSA02J-102X | MG R | 1kΩ 1/10W J   |
| R1266    | NRSA02J-562X | MG R | 5.6kΩ 1/10W J |
| R1267    | NRSA02J-101X | MG R | 100Ω 1/10W J  |
| R1268    | NRSA02J-222X | MG R | 2.2kΩ 1/10W J |
| R1269    | NRSA02J-152X | MG R | 1.5kΩ 1/10W J |
| R1270    | NRSA02J-182X | MG R | 1.8kΩ 1/10W J |
| R1271    | NRSA02J-681X | MG R | 680Ω 1/10W J  |

| Symbol No. | Part No. | Part Name | Description |
|------------|----------|-----------|-------------|
|------------|----------|-----------|-------------|

## RESISTOR

|          |               |      |                |
|----------|---------------|------|----------------|
| R1272    | NRSA02J-182X  | MG R | 1.8kΩ 1/10W J  |
| R1273    | NRSA02J-472X  | MG R | 4.7kΩ 1/10W J  |
| R1274    | NRSA02J-562X  | MG R | 5.6kΩ 1/10W J  |
| R1275    | NRSA02J-223X  | MG R | 22kΩ 1/10W J   |
| R1276    | NRSA02J-562X  | MG R | 5.6kΩ 1/10W J  |
| R1277    | NRSA02J-272X  | MG R | 2.7kΩ 1/10W J  |
| R1278    | NRSA02J-152X  | MG R | 1.5kΩ 1/10W J  |
| R1279    | NRSA02J-101X  | MG R | 100Ω 1/10W J   |
| R1285    | NRSA02J-101X  | MG R | 100Ω 1/10W J   |
| R1287    | NRSA02J-221X  | MG R | 220Ω 1/10W J   |
| R1289    | NRSA02J-471X  | MG R | 470Ω 1/10W J   |
| R1290    | NRSA02J-563X  | MG R | 56kΩ 1/10W J   |
| R1291    | NRSA02J-473X  | MG R | 47kΩ 1/10W J   |
| R1293    | NRSA02J-821X  | MG R | 820Ω 1/10W J   |
| R1305    | NRSA02J-393X  | MG R | 39kΩ 1/10W J   |
| R1306    | NRSA02J-183X  | MG R | 18kΩ 1/10W J   |
| R1307    | NRSA02J-473X  | MG R | 47kΩ 1/10W J   |
| R1308    | NRSA02J-0R0X  | MG R | 0.0Ω 1/10W J   |
| R1309    | NRSA02J-473X  | MG R | 47kΩ 1/10W J   |
| R1310    | NRSA02J-0R0X  | MG R | 0.0Ω 1/10W J   |
| R1311    | NRSA02J-222X  | MG R | 2.2kΩ 1/10W J  |
| R1312    | NRSA02J-680X  | MG R | 68Ω 1/10W J    |
| R1351    | NRSA02J-471X  | MG R | 470Ω 1/10W J   |
| R1353    | NRSA02J-153X  | MG R | 15kΩ 1/10W J   |
| R1361    | NRSA02J-152X  | MG R | 1.5kΩ 1/10W J  |
| R1365    | NRSA02J-152X  | MG R | 1.5kΩ 1/10W J  |
| R1366    | NRSA02J-563X  | MG R | 56kΩ 1/10W J   |
| R1367    | NRSA02J-333X  | MG R | 33kΩ 1/10W J   |
| R1371-73 | NRSA02J-151X  | MG R | 150Ω 1/10W J   |
| R1374-76 | NRSA02J-331X  | MG R | 330Ω 1/10W J   |
| R1377-79 | NRSA02J-101X  | MG R | 100Ω 1/10W J   |
| R1380-82 | QRZ0111-152   | C R  | 1.5kΩ 1/2W K   |
| R1383-85 | QRL029J-153   | OM R | 15kΩ 2W J      |
| R1386-88 | NRSA02J-272X  | MG R | 2.7kΩ 1/10W J  |
| R1421    | NRSA02J-472X  | MG R | 4.7kΩ 1/10W J  |
| R1422    | QRE121J-561Y  | C R  | 560Ω 1/2W J    |
| R1423    | QRX01GJ-1R0   | MF R | 1.0Ω 1W J      |
| R1424    | QRE121J-102Y  | C R  | 1kΩ 1/2W J     |
| R1425    | NRSA02J-683X  | MG R | 68kΩ 1/10W J   |
| R1427    | NRSA02J-392X  | MG R | 3.9kΩ 1/10W J  |
| R1428    | NRSA02J-393X  | MG R | 39kΩ 1/10W J   |
| R1429    | NRSA02J-223X  | MG R | 22kΩ 1/10W J   |
| R1430-31 | NRSA02J-0R0X  | MG R | 0.0Ω 1/10W J   |
| R1433    | QRE121J-100Y  | C R  | 10Ω 1/2W J     |
| R1441    | QRE121J-102Y  | C R  | 1kΩ 1/2W J     |
| R1501    | NRSA02J-361X  | MG R | 360Ω 1/10W J   |
| R1502    | NRSA02J-152X  | MG R | 1.5kΩ 1/10W J  |
| R1504    | NRSA02J-0R0X  | MG R | 0.0Ω 1/10W J   |
| R1505    | NRSA02J-822X  | MG R | 8.2kΩ 1/10W J  |
| R1506    | NRSA02J-222X  | MG R | 2.2kΩ 1/10W J  |
| R1507    | NRSA02J-563X  | MG R | 56kΩ 1/10W J   |
| R1511    | QRE121J-391Y  | C R  | 390Ω 1/2W J    |
| R1522    | NRSA02J-391X  | MG R | 390Ω 1/10W J   |
| R1523    | NRSA02J-471X  | MG R | 470Ω 1/10W J   |
| R1524    | QRE121J-271Y  | C R  | 270Ω 1/2W J    |
| R1525    | QRG01GJ-220   | OM R | 22Ω 1W J       |
| R1526    | QRL039J-152   | OM R | 1.5kΩ 3W J     |
| R1530    | QRE121J-681Y  | C R  | 680Ω 1/2W J    |
| R1541    | QRT029J-1R8   | MF R | 1.8Ω 2W J      |
| R1542    | QRL029J-101   | OM R | 100Ω 2W J      |
| R1543    | QRT039J-1R0   | MF R | 1.0Ω 3W J      |
| R1544    | QRT039J-1R0   | MF R | 1.0Ω 3W J      |
| R1546    | QRL029J-220   | OM R | 22Ω 2W J       |
| R1561    | QRK126J-4R7X  | C R  | 4.7Ω 1/2W J    |
| R1562    | NRZ0032-7151X | MF R | 7.15kΩ 1/10W J |
| R1563    | NRZ0032-2941X | MF R | 2.94kΩ 1/10W J |
| R1564    | NRSA02J-153X  | MG R | 15kΩ 1/10W J   |

| Symbol No.      | Part No.     | Part Name | Description   |
|-----------------|--------------|-----------|---------------|
| <b>RESISTOR</b> |              |           |               |
| R1565           | NRSA02J-0ROX | MG R      | 0.0Ω 1/10W J  |
| R1566           | NRSA02J-333X | MG R      | 33kΩ 1/10W J  |
| R1567           | NRSA02J-392X | MG R      | 3.9kΩ 1/10W J |
| R1568           | NRSA02J-223X | MG R      | 22kΩ 1/10W J  |
| R1571           | QRX01GJ-3R3  | MF R      | 3.3Ω 1W J     |
| R1581           | QRJ146J-2R2X | C R       | 2.2Ω 1/4W J   |
| R1582           | QRL029J-223  | OM R      | 22kΩ 2W J     |
| R1583           | QRE121J-333Y | C R       | 33kΩ 1/2W J   |
| R1584           | QRE121J-393Y | C R       | 39kΩ 1/2W J   |
| R1585           | QRE121J-103Y | C R       | 10kΩ 1/2W J   |
| R1586           | QRE121J-472Y | C R       | 4.7kΩ 1/2W J  |
| R1615-16        | NRSA02J-123X | MG R      | 12kΩ 1/10W J  |
| R1617-18        | NRSA02J-332X | MG R      | 3.3kΩ 1/10W J |
| R1619-20        | NRSA02J-391X | MG R      | 390Ω 1/10W J  |
| R1621-22        | QRE121J-4R7Y | C R       | 4.7Ω 1/2W J   |
| R1623           | NRSA02J-0ROX | MG R      | 0.0Ω 1/10W J  |
| R1625           | NRSA02J-333X | MG R      | 33kΩ 1/10W J  |
| R1627           | NRSA02J-101X | MG R      | 100Ω 1/10W J  |
| R1651           | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R1652-53        | NRSA02J-682X | MG R      | 6.8kΩ 1/10W J |
| R1654           | NRSA02J-333X | MG R      | 33kΩ 1/10W J  |
| R1655           | NRSA02J-332X | MG R      | 3.3kΩ 1/10W J |
| R1656           | NRVA02D-152X | MF R      | 1.5kΩ 1/10W D |
| R1658           | NRVA02D-153X | MF R      | 15kΩ 1/10W D  |
| R1660           | NRSA02J-512X | MG R      | 5.1kΩ 1/10W J |
| R1661           | NRSA02J-473X | MG R      | 47kΩ 1/10W J  |
| R1662-65        | NRSA02J-123X | MG R      | 12kΩ 1/10W J  |
| R1666-67        | NRSA02J-562X | MG R      | 5.6kΩ 1/10W J |
| R1668           | NRSA02J-473X | MG R      | 47kΩ 1/10W J  |
| R1669-70        | NRSA02J-471X | MG R      | 470Ω 1/10W J  |
| R1671-72        | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R1673-74        | NRSA02J-823X | MG R      | 82kΩ 1/10W J  |
| R1675-76        | NRSA02J-181X | MG R      | 180Ω 1/10W J  |
| R1677           | NRSA02J-0ROX | MG R      | 0.0Ω 1/10W J  |
| R1678-81        | NRSA02J-223X | MG R      | 22kΩ 1/10W J  |
| R1682           | NRSA02J-683X | MG R      | 68kΩ 1/10W J  |
| R1683-84        | NRSA02J-561X | MG R      | 560Ω 1/10W J  |
| R1691           | NRSA02J-563X | MG R      | 56kΩ 1/10W J  |
| R1701           | NRSA02J-563X | MG R      | 56kΩ 1/10W J  |
| R1702-04        | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |
| R1705           | NRSA02J-823X | MG R      | 82kΩ 1/10W J  |
| R1706           | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |
| R1707           | NRSA02J-0ROX | MG R      | 0.0Ω 1/10W J  |
| R1708-09        | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |
| R1710           | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R1712           | NRSA02J-0ROX | MG R      | 0.0Ω 1/10W J  |
| R1713           | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R1714           | NRSA02J-471X | MG R      | 470Ω 1/10W J  |
| R1715           | NRSA02J-105X | MG R      | 1MΩ 1/10W J   |
| R1716           | NRSA02J-154X | MG R      | 150kΩ 1/10W J |
| R1717           | NRSA02J-563X | MG R      | 56kΩ 1/10W J  |
| R1719           | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R1721-22        | NRSA02J-0ROX | MG R      | 0.0Ω 1/10W J  |
| R1723           | NRSA02J-105X | MG R      | 1MΩ 1/10W J   |
| R1724           | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R1725           | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |
| R1726           | NRSA02J-392X | MG R      | 3.9kΩ 1/10W J |
| R1727           | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |
| R1728           | NRSA02J-392X | MG R      | 3.9kΩ 1/10W J |
| R1729           | NRSA02J-153X | MG R      | 15kΩ 1/10W J  |
| R1730           | NRSA02J-682X | MG R      | 6.8kΩ 1/10W J |
| R1732           | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R1733           | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |
| R1734           | NRSA02J-182X | MG R      | 1.8kΩ 1/10W J |
| R1735           | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R1736           | NRSA02J-332X | MG R      | 3.3kΩ 1/10W J |
| R1737           | NRSA02J-472X | MG R      | 4.7kΩ 1/10W J |
| R1738           | NRSA02J-152X | MG R      | 1.5kΩ 1/10W J |
| R1739           | NRSA02J-472X | MG R      | 4.7kΩ 1/10W J |
| R1740           | NRSA02J-152X | MG R      | 1.5kΩ 1/10W J |
| R1741           | NRSA02J-472X | MG R      | 4.7kΩ 1/10W J |
| R1742           | NRSA02J-152X | MG R      | 1.5kΩ 1/10W J |
| R1743-44        | NRSA02J-0ROX | MG R      | 0.0Ω 1/10W J  |
| R1745-46        | NRSA02J-561X | MG R      | 560Ω 1/10W J  |

| Symbol No.       | Part No.     | Part Name | Description   |
|------------------|--------------|-----------|---------------|
| <b>RESISTOR</b>  |              |           |               |
| R1747            | NRSA02J-0ROX | MG R      | 0.0Ω 1/10W J  |
| R1751            | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |
| R1752            | NRSA02J-472X | MG R      | 4.7kΩ 1/10W J |
| R1753            | NRSA02J-153X | MG R      | 15kΩ 1/10W J  |
| R1754            | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |
| R1755            | NRSA02J-472X | MG R      | 4.7kΩ 1/10W J |
| R1756            | NRSA02J-153X | MG R      | 15kΩ 1/10W J  |
| R1757-58         | NRSA02J-122X | MG R      | 1.2kΩ 1/10W J |
| R1759            | NRSA02J-0ROX | MG R      | 0.0Ω 1/10W J  |
| R1765-66         | NRSA02J-0ROX | MG R      | 0.0Ω 1/10W J  |
| R1767            | NRSA02J-474X | MG R      | 470kΩ 1/10W J |
| R1768            | NRSA02J-473X | MG R      | 47kΩ 1/10W J  |
| R1769            | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R1771            | NRSA02J-0ROX | MG R      | 0.0Ω 1/10W J  |
| R1804-06         | NRSA02J-101X | MG R      | 100Ω 1/10W J  |
| △ R1901          | QRF074K-1R2  | UNF R     | 1.2 Ω 7W K    |
| △ R1921          | QRX029J-2R7  | MF R      | 2.7 Ω 2W J    |
| R1923            | QRJ146J-470X | C R       | 47Ω 1/4W J    |
| R1924            | QRN141J-334Y | C R       | 330kΩ 1/4W J  |
| R1925            | QRN141J-123Y | C R       | 12kΩ 1/4W J   |
| △ R1926          | QRF154J-271  | UNF R     | 270 Ω 15W J   |
| △ R1927          | QRF154J-271  | UNF R     | 270 Ω 15W J   |
| R1952            | NRSA02J-222X | MG R      | 2.2kΩ 1/10W J |
| R1953            | NRSA02J-222X | MG R      | 1.2kΩ 1/10W J |
| R1954            | QRE121J-102Y | C R       | 1kΩ 1/2W J    |
| R1955            | NRSA02J-223X | MG R      | 22kΩ 1/10W J  |
| R1956            | QRE121J-101Y | C R       | 100Ω 1/2W J   |
| R1957            | NRSA02J-222X | MG R      | 2.2kΩ 1/10W J |
| R1958            | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |
| △ R1981          | QRZ9041-275  | C R       | 2.7MΩ 1/2W K  |
| <b>CAPACITOR</b> |              |           |               |
| C1001            | QETN1HM-106Z | E CAP.    | 10μF 50V M    |
| C1003            | QETN1AM-477Z | E CAP.    | 470μF 10V M   |
| C1004            | QETN1HM-106Z | E CAP.    | 10μF 50V M    |
| C1005            | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |
| C1006            | QETN1EM-476Z | E CAP.    | 47μF 25V M    |
| C1011-12         | NCB21HK-102X | C CAP.    | 1000pF 50V K  |
| C1101-04         | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |
| C1105            | QETN1CM-107Z | E CAP.    | 100μF 16V M   |
| C1106            | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |
| C1107            | NRSA02J-0ROX | MG R      | 0.0Ω 1/10W J  |
| C1108            | NDC21HJ-680X | C CAP.    | 68pF 50V J    |
| C1131            | QFV71HJ-154Z | MF CAP.   | 0.15μF 50V J  |
| C1132            | NCB21HK-152X | C CAP.    | 1500pF 50V K  |
| C1133            | QETN1HM-474Z | E CAP.    | 0.47μF 50V M  |
| C1134            | NCB21HK-472X | C CAP.    | 4700pF 50V K  |
| C1135            | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |
| C1138            | QETN1EM-476Z | E CAP.    | 47μF 25V M    |
| C1161            | QETN1CM-107Z | E CAP.    | 100μF 16V M   |
| C1162            | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |
| C1163-64         | NDC21HJ-470X | C CAP.    | 47pF 50V J    |
| C1166            | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |
| C1167            | NDC21HJ-470X | C CAP.    | 47pF 50V J    |
| C1169-70         | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |
| C1205            | NDC21HJ-680X | C CAP.    | 68pF 50V J    |
| C1207            | QETN1HM-474Z | E CAP.    | 0.47μF 50V M  |
| C1208            | QETN1HM-106Z | E CAP.    | 10μF 50V M    |
| C1209-10         | QETN1HM-105Z | E CAP.    | 1μF 50V M     |
| C1212            | NCB21HK-104X | CHIP CAP. | 0.1μF 50V K   |
| C1214            | QETN1HM-106Z | E CAP.    | 10μF 50V M    |
| C1215            | QETN1HM-105Z | E CAP.    | 1μF 50V M     |
| C1217            | QETN1EM-476Z | E CAP.    | 47μF 25V M    |
| C1253            | QETN1HM-105Z | E CAP.    | 1μF 50V M     |
| C1254-55         | QETN1HM-106Z | E CAP.    | 10μF 50V M    |
| C1256            | QETN1CM-107Z | E CAP.    | 100μF 16V M   |
| C1257            | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |
| C1258            | QETN1CM-107Z | E CAP.    | 100μF 16V M   |
| C1259            | QETN1EM-476Z | E CAP.    | 47μF 25V M    |
| C1260            | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |
| C1261            | QETN1EM-476Z | E CAP.    | 47μF 25V M    |
| C1263            | NDC21HJ-181X | C CAP.    | 180pF 50V J   |
| C1264            | QETN1EM-476Z | E CAP.    | 47μF 25V M    |
| C1265            | NCB21HK-103X | C CAP.    | 0.01μF 50V K  |

| Symbol No.       | Part No.     | Part Name | Description        |
|------------------|--------------|-----------|--------------------|
| <b>CAPACITOR</b> |              |           |                    |
| C1266            | QENC1EM-106Z | BP E CAP. | 10μF 25V M         |
| C1267            | NDC21HJ-470X | C CAP.    | 47pF 50V J         |
| C1268            | NDC21HJ-101X | C CAP.    | 100pF 50V J        |
| C1269            | NDC21HJ-181X | C CAP.    | 180pF 50V J        |
| C1272            | NDC21HJ-390X | C CAP.    | 39pF 50V J         |
| C1274            | QETN1HM-105Z | E CAP.    | 1μF 50V M          |
| C1276            | QETN1HM-106Z | E CAP.    | 10μF 50V M         |
| C1277            | QETN1EM-476Z | E CAP.    | 47μF 25V M         |
| C1278-80         | NCB21HK-103X | C CAP.    | 0.01μF 50V K       |
| C1281            | NDC21HJ-150X | C CAP.    | 15pF 50V J         |
| C1283-86         | NCB21HK-103X | C CAP.    | 0.01μF 50V K       |
| C1287            | QETN1HM-474Z | E CAP.    | 0.47μF 50V M       |
| C1288-90         | NCB21HK-103X | C CAP.    | 0.01μF 50V K       |
| C1291            | QETN1EM-476Z | E CAP.    | 47μF 25V M         |
| C1303            | NCB21HK-103X | C CAP.    | 0.01μF 50V K       |
| C1304            | QETN1CM-107Z | E CAP.    | 100μF 16V M        |
| C1305            | NDC21HJ-100X | C CAP.    | 10pF 50V J         |
| C1306            | NCB21HK-223X | C CAP.    | 0.022μF 50V K      |
| C1307            | QETN1HM-474Z | E CAP.    | 0.47μF 50V M       |
| C1308            | NCB21HK-103X | C CAP.    | 0.01μF 50V K       |
| C1309            | NDC21HJ-2R0X | C CAP.    | 2.0pF 50V J        |
| C1352            | NDC21HJ-680X | C CAP.    | 68pF 50V J         |
| C1353            | NDC21HJ-271X | C CAP.    | 270pF 50V J        |
| C1356            | NCB21HK-104X | CHIP CAP. | 0.1μF 50V K        |
| C1374-76         | NCS21HJ-561X | C CAP.    | 560pF 50V J        |
| C1377            | QETN1CM-107Z | E CAP.    | 100μF 16V M        |
| C1391            | QETN2EM-226  | E CAP.    | 22μF 250V M        |
| C1392            | QCZ0121-102  | C CAP.    | 1000pF 3KV Z       |
| C1401            | QETN1HM-225Z | E CAP.    | 2.2μF 50V M        |
| C1402            | QBHC1CK-225Z | TAN. CAP. | 2.2μF 16V K        |
| C1403            | NCB21HK-102X | C CAP.    | 1000pF 50V K       |
| C1421            | NCB21HK-472X | C CAP.    | 4700pF 50V K       |
| C1424            | QEH1HM-107Z  | E CAP.    | 100μF 50V M        |
| C1425            | QEH1VM-477Z  | E CAP.    | 470μF 35V M        |
| C1426            | QFLC2AK-473Z | M CAP.    | 0.047μF 100V K     |
| C1427            | QEH01EM-228  | E CAP.    | 2200pF 25V M       |
| C1428            | QFV21HJ-474Z | MF CAP.   | 0.47μF 50V J       |
| C1429            | QFV21HJ-224Z | MF CAP.   | 0.22μF 50V J       |
| C1501            | QETN1CM-107Z | E CAP.    | 100μF 16V M        |
| C1502            | QETN1HM-106Z | E CAP.    | 10μF 50V M         |
| C1503            | NCB21HK-103X | C CAP.    | 0.01μF 50V K       |
| C1505            | QETN1HM-106Z | E CAP.    | 10μF 50V M         |
| C1511            | QETN1EM-476Z | E CAP.    | 47μF 25V M         |
| C1521            | NCB21HK-332X | C CAP.    | 3300pF 50V K       |
| C1522            | NCB21HK-822X | C CAP.    | 8200pF 50V K       |
| C1523            | QEM61HK-105Z | E CAP.    | 1μF 50V K          |
| C1524            | QFZ0198-133  | MPP CAP.  | 0.013μF 1.5KVH ±3% |
| C1525            | QEZ0203-107  | E CAP.    | 100μF 160V M       |
| C1526            | QFZ0119-434  | MPP CAP.  | 0.43μF 200V ±3%    |
| C1527            | QCB32HK-561Z | C CAP.    | 560pF 500V K       |
| C1543            | QETN1VM-477Z | E CAP.    | 470μF 35V M        |
| C1545            | QETN1CM-227Z | E CAP.    | 220μF 16V M        |
| C1546            | QETN1CM-477Z | E CAP.    | 470μF 16V M        |
| C1548            | QETN1CM-227Z | E CAP.    | 220μF 16V M        |
| C1561            | QETN1HM-106Z | E CAP.    | 10μF 50V M         |
| C1562            | QETN1HM-475Z | E CAP.    | 4.7μF 50V M        |
| C1563            | NCB21HK-103X | C CAP.    | 0.01μF 50V K       |
| C1581            | QETN2EM-106Z | E CAP.    | 10μF 250V M        |
| C1582            | NCB21HK-473X | C CAP.    | 0.047μF 50V K      |
| C1583            | QETN1HM-225Z | E CAP.    | 2.2μF 50V M        |
| C1584            | QFLC2AJ-104Z | M CAP.    | 0.1μF 100V J       |
| C1615            | NRSA02J-0R0X | MG R      | 0.0Ω 1/10W J       |
| C1616            | QENC1HM-474Z | BP E CAP. | 0.47μF 50V M       |
| C1617            | QETN1EM-476Z | E CAP.    | 47μF 25V M         |
| C1618            | QETN1CM-107Z | E CAP.    | 100μF 16V M        |
| C1619            | QETN1CM-477Z | E CAP.    | 470μF 16V M        |
| C1620            | NCB21HK-104X | CHIP CAP. | 0.1μF 50V K        |
| C1621            | NRSA02J-0R0X | MG R      | 0.0Ω 1/10W J       |
| C1622            | QENC1HM-474Z | BP E CAP. | 0.47μF 50V M       |
| C1623            | QETN1EM-476Z | E CAP.    | 47μF 25V M         |
| C1624            | QETN1CM-107Z | E CAP.    | 100μF 16V M        |
| C1625            | QETN1CM-477Z | E CAP.    | 470μF 16V M        |
| C1626            | NCB21HK-104X | CHIP CAP. | 0.1μF 50V K        |
| C1627            | QETN1CM-477Z | E CAP.    | 470μF 16V M        |

| Symbol No.       | Part No.     | Part Name | Description    |
|------------------|--------------|-----------|----------------|
| <b>CAPACITOR</b> |              |           |                |
| C1651            | NCB21HK-103X | C CAP.    | 0.01μF 50V K   |
| C1652            | QETN1CM-107Z | E CAP.    | 100μF 16V M    |
| C1653            | QETN1EM-476Z | E CAP.    | 47μF 25V M     |
| C1654            | NCB21HK-104X | CHIP CAP. | 0.1μF 50V K    |
| C1655            | QENC1HM-475Z | BP E CAP. | 4.7μF 50V M    |
| C1656            | QENC1HM-105Z | BP E CAP. | 1μF 50V M      |
| C1657            | QETN1HM-225Z | E CAP.    | 2.2μF 50V M    |
| C1658            | NCB21HK-473X | C CAP.    | 0.047μF 50V K  |
| C1659            | QETN1HM-474Z | E CAP.    | 0.47μF 50V M   |
| C1660-61         | NCB21HK-104X | CHIP CAP. | 0.1μF 50V K    |
| C1662            | QBTC1CK-335Z | TAN. CAP. | 3.3μF 16V K    |
| C1663            | QETN1HM-105Z | E CAP.    | 1μF 50V M      |
| C1664            | QBTC1CK-106Z | TAN. CAP. | 10μF 16V K     |
| C1665-66         | QETN1HM-105Z | E CAP.    | 1μF 50V M      |
| C1667            | QETN1HM-336Z | E CAP.    | 33μF 50V M     |
| C1668            | QETN1HM-105Z | E CAP.    | 1μF 50V M      |
| C1669-70         | QENC1HM-105Z | BP E CAP. | 1μF 50V M      |
| C1671            | QETN1HM-225Z | E CAP.    | 2.2μF 50V M    |
| C1672            | NCB21HK-222X | C CAP.    | 2200pF 50V K   |
| C1673            | NCB21HK-104X | CHIP CAP. | 0.1μF 50V K    |
| C1674            | QETN1HM-225Z | E CAP.    | 2.2μF 50V M    |
| C1675            | NCB21HK-222X | C CAP.    | 2200pF 50V K   |
| C1676            | NCB21HK-104X | CHIP CAP. | 0.1μF 50V K    |
| C1679            | QETN1HM-105Z | E CAP.    | 1μF 50V M      |
| C1680            | QETN1EM-476Z | E CAP.    | 47μF 25V M     |
| C1682-83         | QETN1HM-474Z | E CAP.    | 0.47μF 50V M   |
| C1685-86         | QETN1HM-106Z | E CAP.    | 10μF 50V M     |
| C1687-88         | NCB21HK-472X | C CAP.    | 4700pF 50V K   |
| C1701            | NDC21HJ-560X | C CAP.    | 56pF 50V J     |
| C1704            | NCB21HK-103X | C CAP.    | 0.01μF 50V K   |
| C1705            | NDC21HJ-151X | C CAP.    | 150pF 50V J    |
| C1706            | NCB21HK-104X | CHIP CAP. | 0.1μF 50V K    |
| C1707            | QETN1HM-105Z | E CAP.    | 1μF 50V M      |
| C1708            | NCS21HJ-221X | C CAP.    | 220pF 50V J    |
| C1709            | NCS21HJ-102X | C CAP.    | 1000pF 50V J   |
| C1710            | NDC21HJ-681X | C CAP.    | 680pF 50V J    |
| C1711            | QETN1HM-474Z | E CAP.    | 0.47μF 50V M   |
| C1712            | NCB21HK-102X | C CAP.    | 1000pF 50V K   |
| C1714            | NCB21HK-103X | C CAP.    | 0.01μF 50V K   |
| C1716            | QETN1EM-476Z | E CAP.    | 47μF 25V M     |
| C1717            | NCB21HK-104X | CHIP CAP. | 0.1μF 50V K    |
| C1718            | NCB21HK-103X | C CAP.    | 0.01μF 50V K   |
| C1719-20         | QETN1CM-107Z | E CAP.    | 100μF 16V M    |
| C1721            | NCB21HK-104X | CHIP CAP. | 0.1μF 50V K    |
| C1722-23         | NDC21HJ-5R0X | C CAP.    | 5.0pF 50V J    |
| C1724            | NCB21HK-103X | C CAP.    | 0.01μF 50V K   |
| C1725            | QETN1AM-227Z | E CAP.    | 220μF 10V M    |
| C1726            | NDC21HJ-470X | C CAP.    | 47pF 50V J     |
| C1735            | NCB21HK-103X | C CAP.    | 0.01μF 50V K   |
| C1751            | QETN1EM-476Z | E CAP.    | 47μF 25V M     |
| C1801-03         | QENC1HM-474Z | BP E CAP. | 0.47μF 50V M   |
| C1901            | QFZ9040-104  | MF CAP.   | 0.1μFAC275V M  |
| C1902            | QFZ9040-473  | MF CAP.   | 0.47μFAC275V M |
| C1911            | QCZ9074-472  | C CAP.    | 4700pFAC125V M |
| C1912            | QCZ9074-472  | C CAP.    | 4700pFAC125V M |
| C1913            | QCZ9074-472  | C CAP.    | 4700pFAC125V M |
| C1914            | QEZ0429-477  | E CAP.    | 470μF 200V M   |
| C1921            | QEH2CM-335Z  | E CAP.    | 3.3μF 160V M   |
| C1951            | QETN1EM-227Z | E CAP.    | 22μF 25V M     |
| C1953            | QETN1EM-107Z | E CAP.    | 100μF 25V M    |
| C1703            | NCB21HK-102X | C CAP.    | 1000pF 50V K   |
| C1954            | NCB21HK-473X | C CAP.    | 0.047μF 50V K  |
| C1956            | QETN1HM-106Z | E CAP.    | 10μF 50V M     |
| C1958            | QETN1EM-107Z | E CAP.    | 100μF 25V M    |
| C1959            | QETN1HM-226Z | E CAP.    | 22μF 50V M     |
| C1981            | QCZ9074-103  | C CAP.    | 0.01μFAC125V M |
| C1982            | QCZ9074-103  | C CAP.    | 0.01μFAC125V M |

**TRANSFORMER**

|       |               |                   |
|-------|---------------|-------------------|
| T1131 | QOR0907-001   | I. F. TRANSFORMER |
| T1161 | CEL7003-109J3 | S. I. F. TRANSF.  |
| T1521 | CE41106-00CJ1 | DRIVE TRANSF.     |
| T1522 | QHQ0028-001   | H. V. TRANSF.     |
| T1901 | QQT0198-001   | POWER TRANSF.     |

| Symbol No.  | Part No.     | Part Name      | Description |
|-------------|--------------|----------------|-------------|
| <b>COIL</b> |              |                |             |
| L1001       | QQL03BJ-150Z | COIL           | 15μH        |
| L1003       | QQL03BJ-5R6Z | COIL           | 5.6μH       |
| L1102       | QQLZ014-R2Z  | PEAKING COIL   |             |
| L1104       | QQL03BJ-680Z | COIL           | 68μH        |
| L1131       | QQL03BJ-220Z | COIL           | 22μH        |
| L1161       | QQL03BJ-680Z | COIL           | 68μH        |
| L1162       | QQL03BJ-390Z | COIL           | 39μH        |
| L1201       | QQL03BJ-330Z | COIL           | 33μH        |
| L1252-53    | QQL29BJ-4R7Z | PEAKING COIL   |             |
| L1255       | QQL29BJ-6R8Z | PEAKING COIL   |             |
| L1256       | QQL29BJ-150Z | PEAKING COIL   |             |
| L1271       | QQL29BJ-150Z | PEAKING COIL   |             |
| L1351       | QQL29BJ-150Z | PEAKING COIL   |             |
| L1391       | QQL03BJ-390Z | COIL           | 39μH        |
| L1521       | CELL004-001  | LINEARITY COIL |             |
| L1701       | QQL03BJ-4R7Z | COIL           | 4.7μH       |
| L1709       | QQL03BJ-100Z | COIL           | 10μH        |

|              |                |              |  |
|--------------|----------------|--------------|--|
| <b>DIODE</b> |                |              |  |
| D1001        | MTZJ33B-T2     | ZENER DIODE  |  |
| D1002        | MTZJ5.1B-T2    | ZENER DIODE  |  |
| D1003-04     | MTZJ9.1C-T2    | ZENER DIODE  |  |
| D1201-03     | 1SS133-T2      | SI. DIODE    |  |
| D1252-54     | MTZJ9.1C-T2    | ZENER DIODE  |  |
| D1421        | 1N4003-T2      | SI. DIODE    |  |
| D1422        | MTZJ75-T2      | ZENER DIODE  |  |
| D1423        | 1SS133-T2      | SI. DIODE    |  |
| D1501        | MTZJ9.1C-T2    | ZENER DIODE  |  |
| D1511        | MTZJ3.3A-T2    | ZENER DIODE  |  |
| D1541        | RGP10J-5025-T3 | SI. DIODE    |  |
| D1542        | 1SR35-400A-T2  | SI. DIODE    |  |
| D1543-44     | RGP10J-5025-T3 | SI. DIODE    |  |
| D1561        | 1SS81-T2       | SI. DIODE    |  |
| Δ D1562      | MA4068N/Z1-T2  | ZENER DIODE  |  |
| D1563        | 1SS133-T2      | SI. DIODE    |  |
| Δ D1581      | RH15-T3        | SI. DIODE    |  |
| D1582        | RGP10J-5025-T3 | SI. DIODE    |  |
| D1583        | MTZJ9.1C-T2    | ZENER DIODE  |  |
| D1601-02     | 1SS133-T2      | SI. DIODE    |  |
| D1651-52     | MTZJ9.1C-T2    | ZENER DIODE  |  |
| D1659-60     | MTZJ9.1C-T2    | ZENER DIODE  |  |
| D1704-07     | 1SS133-T2      | SI. DIODE    |  |
| D1711        | 1SS133-T2      | SI. DIODE    |  |
| D1717-18     | MTZJ9.1C-T2    | ZENER DIODE  |  |
| D1751        | SLR-342VR3F    | L.E.D.       |  |
| D1804        | MTZJ5.1B-T2    | ZENER DIODE  |  |
| D1805        | 1SS133-T2      | SI. DIODE    |  |
| Δ D1911      | D35860         | BRIDGE DIODE |  |
| D1941-44     | 1SR35-400A-T2  | SI. DIODE    |  |
| D1951        | MTZJ12C-T2     | ZENER DIODE  |  |
| D1953        | 1SR35-400A-T2  | SI. DIODE    |  |
| D1957-58     | 1SS133-T2      | SI. DIODE    |  |

|                   |                 |                  |        |
|-------------------|-----------------|------------------|--------|
| <b>TRANSISTOR</b> |                 |                  |        |
| Q1101             | 2SC5083/L-P/-T  | SI. TRANSISTOR   |        |
| Q1131-32          | 2SC2412K/QR/-X  | SI. TRANSISTOR   |        |
| Q1161             | 2SC2412K/QR/-X  | SI. TRANSISTOR   |        |
| Q1201-03          | 2SC2412K/QR/-X  | SI. TRANSISTOR   |        |
| Q1261-62          | 2SC2412K/QR/-X  | SI. TRANSISTOR   |        |
| Q1263-64          | DTC124EKA-X     | DIGI. TRANSISTOR |        |
| Q1271             | 2SC2412K/QR/-X  | SI. TRANSISTOR   |        |
| Q1273-74          | 2SC2412K/QR/-X  | SI. TRANSISTOR   |        |
| Q1276             | 2SC2412K/QR/-X  | SI. TRANSISTOR   |        |
| Q1278-79          | 2SC2412K/QR/-X  | SI. TRANSISTOR   |        |
| Q1280             | 2SA1037AK/QR/-X | SI. TRANSISTOR   |        |
| Q1282             | 2SA1037AK/QR/-X | SI. TRANSISTOR   |        |
| Q1351             | 2SC2412K/QR/-X  | SI. TRANSISTOR   |        |
| Q1361             | 2SC2412K/QR/-X  | SI. TRANSISTOR   |        |
| Q1371-73          | 2SC4544-LB      | SI. TRANSISTOR   |        |
| Q1521             | 2SC2655/Y/-T    | SI. TRANSISTOR   |        |
| Δ Q1522           | 2SD2499-LB      | SI. TRANSISTOR   | H. OUT |
| Q1561             | 2SC2785/JH/-T   | SI. TRANSISTOR   |        |
| Q1562             | 2SA933AS/QR/-T  | SI. TRANSISTOR   |        |
| Q1602             | DTC323TK-X      | DIGI. TRANSISTOR |        |
| Q1651-54          | 2SC2412K/QR/-X  | SI. TRANSISTOR   |        |
| Q1655             | 2SA1037AK/QR/-X | SI. TRANSISTOR   |        |
| Q1701-03          | 2SC2412K/QR/-X  | SI. TRANSISTOR   |        |

| Symbol No.        | Part No.       | Part Name        | Description |
|-------------------|----------------|------------------|-------------|
| <b>TRANSISTOR</b> |                |                  |             |
| Q1704             | DTC323TK-X     | DIGI. TRANSISTOR |             |
| Q1951             | 2SC2412K/QR/-X | SI. TRANSISTOR   |             |
| Q1952             | 2SA966/OY/-T   | SI. TRANSISTOR   |             |
| Q1953             | 2SC2412K/QR/-X | SI. TRANSISTOR   |             |
| <b>IC</b>         |                |                  |             |
| IC1201            | TA1242N        | I.C. (MONO-ANA)  |             |
| IC1251            | BA7612N        | I.C. (MONO-ANA)  |             |
| IC1252            | TC90A45P       | I.C. (DIGI-MOS)  |             |
| IC1253            | AN78L05-T      | I.C. (MONO-ANA)  |             |
| IC1271            | TC4066BP/N/-   | I.C. (DIGI-MOS)  |             |
| Δ IC1421          | LA7832         | I.C. (MONO-ANA)  |             |
| IC1541            | AN7809F        | I.C. (MONO-ANA)  |             |
| Δ IC1602          | LA4446         | I.C. (MONO-ANA)  |             |
| IC1651            | UPC1851BCU     | I.C. (MONO-ANA)  |             |
| IC1652            | BA15218N       | I.C. (MONO-ANA)  |             |
| IC1701            | M37272MA-050SP | IC               |             |
| IC1702            | AT24C02-C20110 | I.C.             | (SERVICE)   |
| IC1703            | L78L05E-NA     | I.C. (MONO-ANA)  |             |
| IC1751            | GP1U281Q       | IFR DETECT UNIT  |             |
| Δ IC1921          | STR30134       | I.C. (H)         |             |
| IC1951            | TA78L009AP-T   | I.C. (MONO-ANA)  |             |

|               |                |                |                 |
|---------------|----------------|----------------|-----------------|
| <b>OTHERS</b> |                |                |                 |
| CF1001        | LC30190-001B-A | LED HOLDER     |                 |
| CF1131        | QAX0349-001    | CERAMIC FILTER |                 |
| CF1161        | CE41505-001    | CERAMIC FILTER |                 |
| CF1501        | SFSH4.5MCB     | CERAMIC FILTER |                 |
| CF1701        | CSB503F30-T2   | CER. RESONATOR |                 |
| CF1702        | CST8.00MTW     | CER. RESONATOR |                 |
| CL1001        | QAX0428-001    | CER. RESONATOR |                 |
|               | QZW0028-002    | WIRE CLAMP     |                 |
| CL1002-03     | QZW0028-001    | WIRE CLAMP     |                 |
| Δ CN10PW      | QMPD200-200-JC | POWER CORD     | (Charcoal type) |
| Δ F1901       | QMF0007-6R3J1  | FUSE           | 6.3A            |
| Δ F1902       | QMF0007-1R25J1 | FUSE           | 1.25A           |
| FC1901        | CEMG002-001Z   | FUSE CLIP      | (x2)            |
| FC1902        | CEMG002-001Z   | FUSE CLIP      | (x4)            |
| Δ FR1720      | QRZ9017-820    | F R            | 82 Ω 1/4W J     |
| J1003         | QNZ0117-001    | PIN JACK       |                 |
| J1004         | QNN0181-001    | PIN JACK       |                 |
| K1251         | CE41433-001Z   | BEADS CORE     |                 |
| K1252         | QQR0582-001Z   | BEADS CORE     |                 |
| K1253         | CE41433-001Z   | BEADS CORE     |                 |
| K1701         | QQR0582-001Z   | BEADS CORE     |                 |
| Δ LF1901      | QQR0864-002    | LINE FILTER    |                 |
| Δ RV1901      | QSK0083-001    | RELAY          |                 |
| S1751         | QSW0619-003Z   | PUSH SWITCH    | MENU            |
| S1752         | QSW0619-003Z   | PUSH SWITCH    | CH-             |
| S1753         | QSW0619-003Z   | PUSH SWITCH    | CH+             |
| S1754         | QSW0619-003Z   | PUSH SWITCH    | VOL-            |
| S1755         | QSW0619-003Z   | PUSH SWITCH    | VOL+            |
| Δ S1756       | QSW0619-003Z   | PUSH SWITCH    | POWER           |
| SF1101        | CE42589-201    | SAW FILTER     |                 |
| SK1371        | CE42535-001J1  | C.R.T. SOCKET  |                 |
| Δ TH1901      | CEKP007-002    | P. THERMISTOR  |                 |
| Δ TU1001      | QAU0069-001    | TUNER          |                 |
| Δ VA1901      | ERZV10V361CS   | VARIATOR       |                 |
| W1019         | NRSA02J-OROX   | MG R           | 0.0Ω 1/10W J    |
| W1053-54      | NRSA02J-OROX   | MG R           | 0.0Ω 1/10W J    |
| W1061-64      | NRSA02J-OROX   | MG R           | 0.0Ω 1/10W J    |
| W1066-68      | NRSA02J-OROX   | MG R           | 0.0Ω 1/10W J    |
| W1071-72      | NRSA02J-OROX   | MG R           | 0.0Ω 1/10W J    |
| W1082-83      | NRSA02J-OROX   | MG R           | 0.0Ω 1/10W J    |
| W1109         | NRSA02J-OROX   | MG R           | 0.0Ω 1/10W J    |
| W1117         | NRSA02J-OROX   | MG R           | 0.0Ω 1/10W J    |
| W1121         | NRSA02J-OROX   | MG R           | 0.0Ω 1/10W J    |
| W1184-86      | NRSA02J-OROX   | MG R           | 0.0Ω 1/10W J    |
| W1245-47      | NRSA02J-OROX   | MG R           | 0.0Ω 1/10W J    |
| W1304-12      | NRSA02J-OROX   | MG R           | 0.0Ω 1/10W J    |
| W1323-24      | NRSA02J-OROX   | MG R           | 0.0Ω 1/10W J    |
| W1326         | NRSA02J-OROX   | MG R           | 0.0Ω 1/10W J    |
| W1332         | NRSA02J-OROX   | MG R           | 0.0Ω 1/10W J    |
| X1301         | QAX0310-001Z   | CRYSTAL        |                 |
| Y1170-71      | NRSA02J-OROX   | MG R           | 0.0Ω 1/10W J    |
| Y1541         | NRSA02J-OROX   | MG R           | 0.0Ω 1/10W J    |

# PACKING PARTS LIST

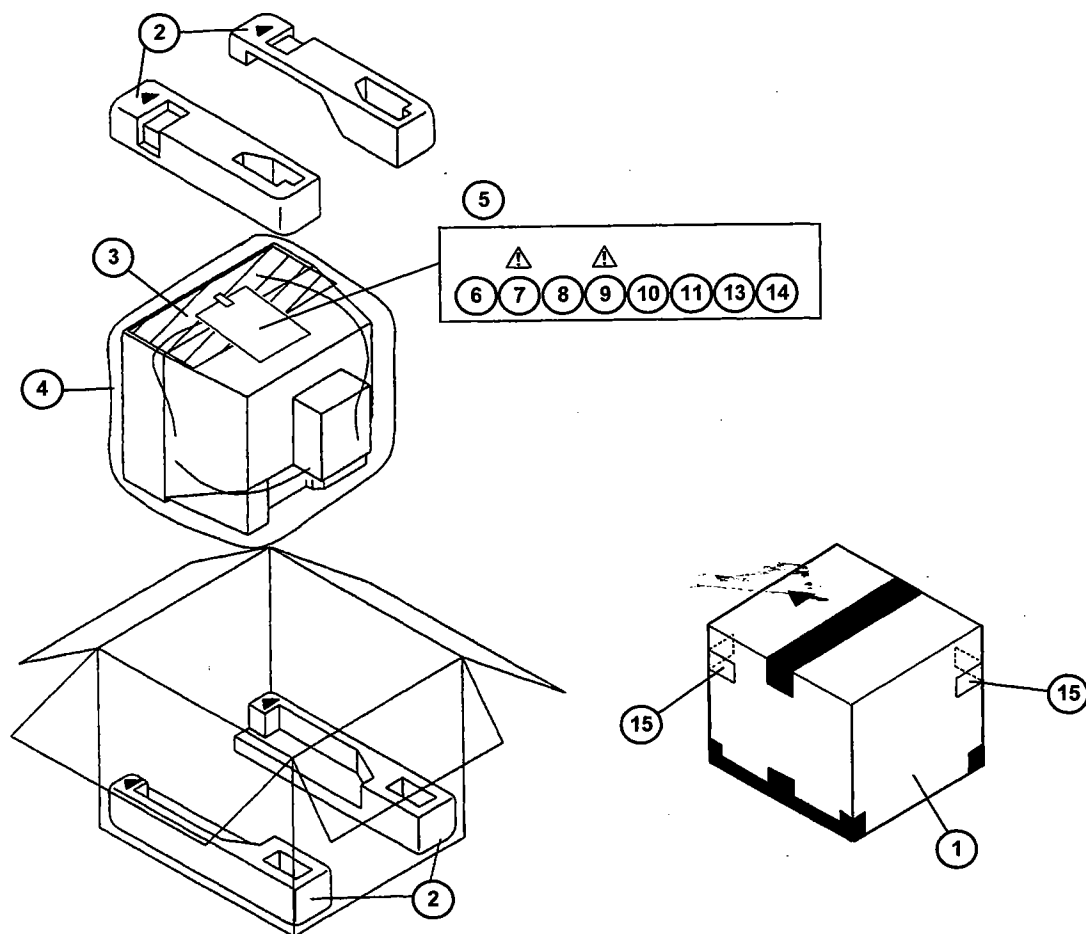
## [AV-27120(US&CA)]

| △ Ref.No.              | Part No.       | Part Name       | Description  |
|------------------------|----------------|-----------------|--------------|
| <b>[America model]</b> |                |                 |              |
| 1                      | CP11499-B15-A  | PACKING CASE    | 4pcs in 1set |
| 2                      | LC10083-002A-A | CUSHION ASSY    |              |
| 3                      | CP30055-001-A  | TOP COVER       |              |
| 4                      | CP30056-008-A  | POLY BAG        |              |
| 5                      | QPA02503505    | POLY BAG        |              |
| 6                      | RM-C381-1A     | REMOCON UNIT    | [ENGLISH]    |
| △ 7                    | LCT0604-001A-A | INST.BOOK       |              |
| 8                      | BT-51006-1Q    | REGI.CARD       |              |
| 13                     | LCT0605-001A-A | SET-UP GUIDE    | [ENGLISH]    |
| 15                     | CM36616-001-A  | CORNER LABEL    | 2pcs in 1set |
| <b>[Canada model]</b>  |                |                 |              |
| 1                      | CP11499-B15-A  | PACKING CASE    | 4pcs in 1set |
| 2                      | LC10083-002A-A | CUSHION ASSY    |              |
| 3                      | CP30055-001-A  | TOP COVER       |              |
| 4                      | CP30056-008-A  | POLY BAG        |              |
| 5                      | QPA02503505    | POLY BAG        |              |
| 6                      | RM-C381-1A     | REMOCON UNIT    | [ENGLISH]    |
| △ 7                    | LCT0604-001A-A | INST.BOOK       |              |
| △ 9                    | LCT0606-001A-A | INST.BOOK       | [FRENCH]     |
| 10                     | BT-20071B-Q    | SVC CENTER LIST | [ENGLISH]    |
| 11                     | BT-52004-1Q    | WARRANTY CARD   |              |
| 13                     | LCT0605-001A-A | SET-UP GUIDE    |              |
| 14                     | LCT0607-001A-A | SET-UP GUIDE    |              |
| 15                     | CM36616-A02-A  | CORNER LABEL    |              |

## [AV-27120(A US&A CA)]

| △ Ref.No.              | Part No.       | Part Name       | Description  |
|------------------------|----------------|-----------------|--------------|
| <b>[America model]</b> |                |                 |              |
| 1                      | CP11499-B15-A  | PACKING CASE    | 4pcs in 1set |
| 2                      | LC10083-002A-A | CUSHION ASSY    |              |
| 3                      | CP30055-001-A  | TOP COVER       |              |
| 4                      | CP30056-008-A  | POLY BAG        |              |
| 5                      | QPA02503505    | POLY BAG        |              |
| 6                      | RM-C381-1A     | REMOCON UNIT    | [ENGLISH]    |
| △ 7                    | LCT0604-001A-A | INST.BOOK       |              |
| 8                      | BT-51006-1Q    | REGI.CARD       |              |
| 13                     | LCT0605-001A-A | SET-UP GUIDE    | [ENGLISH]    |
| 15                     | CM36616-001-A  | CORNER LABEL    | 2pcs in 1set |
| <b>[Canada model]</b>  |                |                 |              |
| 1                      | CP11499-B15-A  | PACKING CASE    | 4pcs in 1set |
| 2                      | LC10083-002A-A | CUSHION ASSY    |              |
| 3                      | CP30055-001-A  | TOP COVER       |              |
| 4                      | CP30056-008-A  | POLY BAG        |              |
| 5                      | QPA02503505    | POLY BAG        |              |
| 6                      | RM-C381-1A     | REMOCON UNIT    | [ENGLISH]    |
| △ 7                    | LCT0604-001A-A | INST.BOOK       |              |
| △ 9                    | LCT0606-001A-A | INST.BOOK       | [FRENCH]     |
| 10                     | BT-20071B-Q    | SVC CENTER LIST | [ENGLISH]    |
| 11                     | BT-52004-1Q    | WARRANTY CARD   |              |
| 13                     | LCT0605-001A-A | SET-UP GUIDE    |              |
| 14                     | LCT0607-001A-A | SET-UP GUIDE    |              |
| 15                     | CM36616-A02-A  | CORNER LABEL    |              |

## PACKING



## REMOTE CONTROL UNIT PARTS LIST (RM-C381-1A)

| △ Ref.No.                                              | Part No.    | Part Name     | Description  |
|--------------------------------------------------------|-------------|---------------|--------------|
| <b>[AV-27120(US&amp;CA) / AV-27120(A US&amp;A CA)]</b> |             |               |              |
|                                                        | UR52EC1286A | BATTERY COVER | (RM-C381-1A) |

[AV-27115(US&amp;CA)] / [AV-27115(A US&amp;A CA)]

## EXPLODED VIEW PARTS LIST

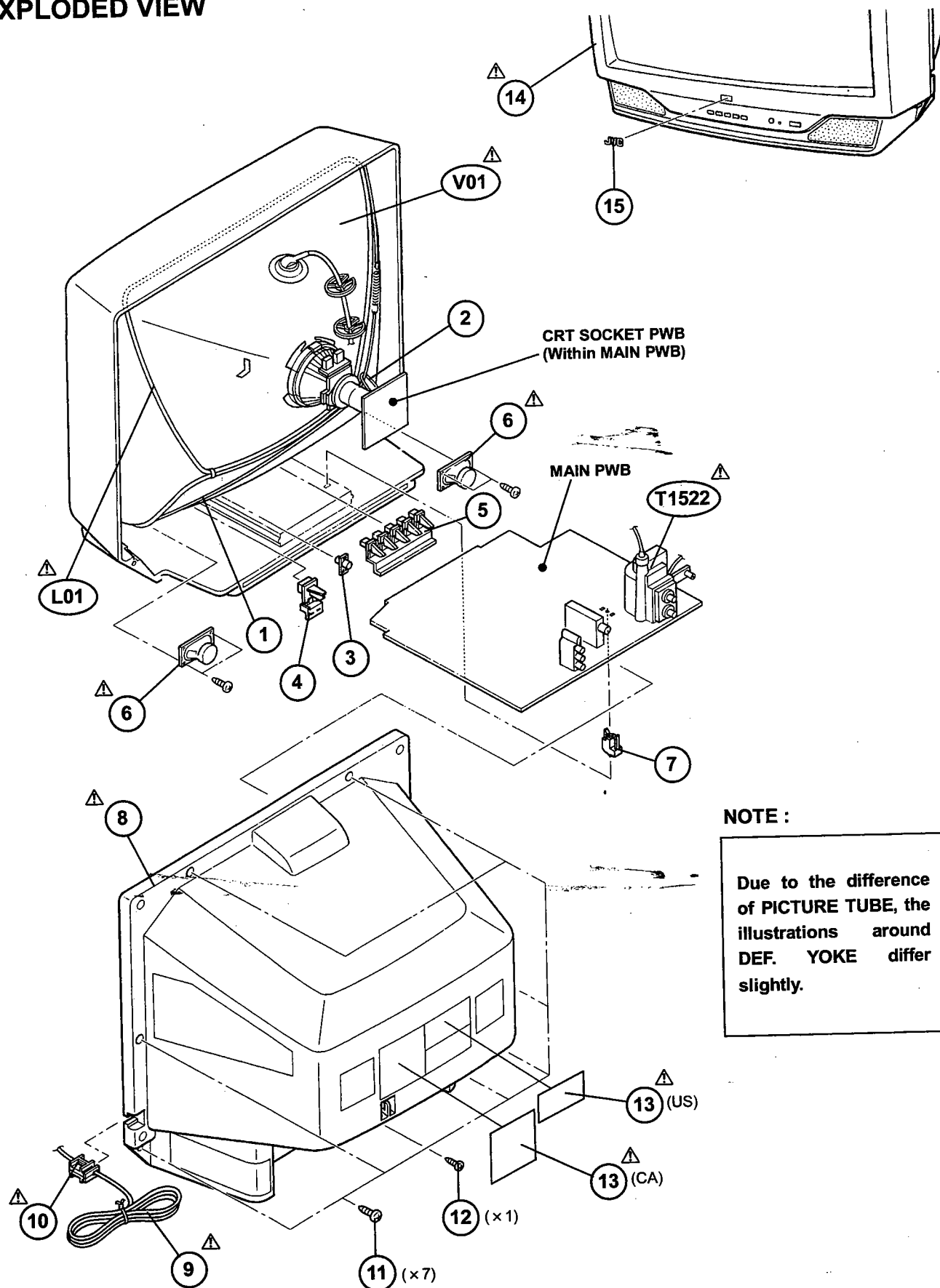
[AV-27115(US&amp;CA)]

| △ Ref.No. | Part No.       | Part Name     | Description            |
|-----------|----------------|---------------|------------------------|
| △ V01     | A68ADT25X01    | ITC TUBE(C)   | Inc.DY                 |
| △ L01     | CE41329-00DJB  | DEG COIL      |                        |
| △ T1522   | QQH0028-001    | H.V.TRANSF.   |                        |
| 1         | CHGB0015-0B    | BRAIDED WIRE  |                        |
| 2         | CHGB0016-0C    | BRAIDED WIRE  |                        |
| 3         | LC30191-001C-A | REMOCON LENS  |                        |
| 4         | LC30376-001A-A | POWER KNOB    |                        |
| 5         | LC30271-001A-A | PUSH KNOB     |                        |
| △ 6       | CEB5509D-03KJ2 | SPEAKER       | (×2)SP01,SP02          |
| △ 7       | CM48144-001-A  | PB STOPPER    |                        |
| △ 8       | LC10082-002A-A | REAR COVER    |                        |
| △ 9       | QMPD200-200-JC | POWER CORD    | CN10PW Within MAIN PWB |
| △ 10      | LC20106-001D-A | CORD CLAMP    |                        |
| 11        | QYSBSFG4016Z   | TAPPING SCREW | (×7)                   |
| 12        | QYSBSB3010Z    | TAPPING SCREW | (×1)                   |
| △ 13      | CM23034-001-A  | RATING LABEL  | (AV-27115(US))         |
| △ 13      | CM22999-A01-A  | RATING LABEL  | (AV-27115(CA))         |
| △ 14      | LC10081-002A-A | FRONT CABINET |                        |
| 15        | CM48006-006-C  | JVC MARK      |                        |

[AV-27115(A US&amp;A CA)]

| △ Ref.No. | Part No.       | Part Name     | Description            |
|-----------|----------------|---------------|------------------------|
| △ V01     | A68QDN891X001  | PICTURE TUBE  | Inc.DY, PC, WED.       |
| △ L01     | CE41329-00DJB  | DEG COIL      |                        |
| △ T1522   | QQH0028-001    | H.V.TRANSF.   |                        |
| 1         | CHGB0015-0B    | BRAIDED WIRE  |                        |
| 2         | CHGB0016-0C    | BRAIDED WIRE  |                        |
| 3         | LC30191-001C-A | REMOCON LENS  |                        |
| 4         | LC30376-001A-A | POWER KNOB    |                        |
| 5         | LC30271-001A-A | PUSH KNOB     |                        |
| △ 6       | CEB5509D-03KJ2 | SPEAKER       | (×2)SP01,SP02          |
| △ 7       | CM48144-001-A  | PB STOPPER    |                        |
| △ 8       | LC10082-002A-A | REAR COVER    |                        |
| △ 9       | QMPD200-200-JC | POWER CORD    | CN10PW Within MAIN PWB |
| △ 10      | LC20106-001D-A | CORD CLAMP    |                        |
| 11        | QYSBSFG4016Z   | TAPPING SCREW | (×7)                   |
| 12        | QYSBSB3010Z    | TAPPING SCREW | (×1)                   |
| △ 13      | CM23034-001-A  | RATING LABEL  | (AV-27115(A US))       |
| △ 13      | CM22999-A01-A  | RATING LABEL  | (AV-27115(A CA))       |
| △ 14      | LC10081-002A-A | FRONT CABINET |                        |
| 15        | CM48006-006-C  | JVC MARK      |                        |

## EXPLODED VIEW



## NOTE :

Due to the difference of PICTURE TUBE, the illustrations around DEF. YOKE differ slightly.

-27115(US&amp;CA)

## PRINTED WIRING BOARD PARTS LIST

## MAIN P.W. BOARD ASS'Y (SFV-1032A-M2)

| Symbol No. | Part No. | Part Name | Description |
|------------|----------|-----------|-------------|
|------------|----------|-----------|-------------|

## RESISTOR

|          |              |      |               |
|----------|--------------|------|---------------|
| R1001    | QRE121J-586Y | C R  | 5.6Ω 1/2W J   |
| R1003-04 | NRSA02J-0R0X | MG R | 0.0Ω 1/10W J  |
| R1005    | QRG01GJ-121  | OM R | 120Ω 1W J     |
| R1101    | NRSA02J-820X | MG R | 82Ω 1/10W J   |
| R1102    | NRSA02J-562X | MG R | 5.6kΩ 1/10W J |
| R1103    | NRSA02J-182X | MG R | 1.8kΩ 1/10W J |
| R1104    | QRE121J-101Y | C R  | 100Ω 1/2W J   |
| R1105    | NRSA02J-180X | MG R | 18Ω 1/10W J   |

|       |              |      |               |
|-------|--------------|------|---------------|
| R1106 | NRSA02J-270X | MG R | 27Ω 1/10W J   |
| R1131 | NRSA02J-271X | MG R | 270Ω 1/10W J  |
| R1133 | NRSA02J-101X | MG R | 100Ω 1/10W J  |
| R1134 | NRSA02J-102X | MG R | 1kΩ 1/10W J   |
| R1135 | NRSA02J-561X | MG R | 560Ω 1/10W J  |
| R1136 | NRSA02J-182X | MG R | 1.8kΩ 1/10W J |
| R1137 | NRSA02J-272X | MG R | 2.7kΩ 1/10W J |
| R1138 | NRSA02J-821X | MG R | 820Ω 1/10W J  |

|          |              |      |               |
|----------|--------------|------|---------------|
| R1139    | NRSA02J-0R0X | MG R | 0.0Ω 1/10W J  |
| R1142    | NRSA02J-101X | MG R | 100Ω 1/10W J  |
| R1145    | NRSA02J-472X | MG R | 4.7kΩ 1/10W J |
| R1146    | NRSA02J-273X | MG R | 27kΩ 1/10W J  |
| R1161-62 | NRSA02J-102X | MG R | 1kΩ 1/10W J   |
| R1163    | NRSA02J-472X | MG R | 4.7kΩ 1/10W J |
| R1164    | NRSA02J-332X | MG R | 3.3kΩ 1/10W J |
| R1165    | NRSA02J-0R0X | MG R | 0.0Ω 1/10W J  |

|       |              |      |               |
|-------|--------------|------|---------------|
| R1201 | NRSA02J-0R0X | MG R | 0.0Ω 1/10W J  |
| R1203 | NRSA02J-102X | MG R | 1kΩ 1/10W J   |
| R1204 | NRSA02J-681X | MG R | 680Ω 1/10W J  |
| R1205 | NRSA02J-152X | MG R | 1.5kΩ 1/10W J |
| R1207 | NRSA02J-0R0X | MG R | 0.0Ω 1/10W J  |
| R1208 | NRSA02J-472X | MG R | 4.7kΩ 1/10W J |
| R1209 | NRSA02J-471X | MG R | 470Ω 1/10W J  |
| R1210 | NRSA02J-392X | MG R | 3.9kΩ 1/10W J |

|       |              |      |               |
|-------|--------------|------|---------------|
| R1211 | NRSA02J-471X | MG R | 470Ω 1/10W J  |
| R1212 | NRSA02J-103X | MG R | 10kΩ 1/10W J  |
| R1213 | NRSA02J-391X | MG R | 390Ω 1/10W J  |
| R1215 | NRSA02J-334X | MG R | 330kΩ 1/10W J |
| R1216 | NRSA02J-563X | MG R | 56kΩ 1/10W J  |
| R1218 | NRSA02J-182X | MG R | 1.8kΩ 1/10W J |
| R1219 | NRSA02J-122X | MG R | 1.2kΩ 1/10W J |
| R1220 | NRSA02J-561X | MG R | 560Ω 1/10W J  |

|          |              |      |               |
|----------|--------------|------|---------------|
| R1222    | NRSA02J-102X | MG R | 1kΩ 1/10W J   |
| R1251    | NRSA02J-750X | MG R | 75Ω 1/10W J   |
| R1264    | NRSA02J-222X | MG R | 2.2kΩ 1/10W J |
| R1265    | NRSA02J-0R0X | MG R | 0.0Ω 1/10W J  |
| R1266    | NRSA02J-152X | MG R | 1.5kΩ 1/10W J |
| R1267    | NRSA02J-0R0X | MG R | 0.0Ω 1/10W J  |
| R1271-72 | NRSA02J-102X | MG R | 1kΩ 1/10W J   |
| R1278    | NRSA02J-152X | MG R | 1.5kΩ 1/10W J |

|          |              |      |               |
|----------|--------------|------|---------------|
| R1290    | NRSA02J-563X | MG R | 56kΩ 1/10W J  |
| R1291    | NRSA02J-473X | MG R | 47kΩ 1/10W J  |
| R1298-99 | NRSA02J-0R0X | MG R | 0.0Ω 1/10W J  |
| R1305    | NRSA02J-393X | MG R | 39kΩ 1/10W J  |
| R1306    | NRSA02J-183X | MG R | 18kΩ 1/10W J  |
| R1351    | NRSA02J-331X | MG R | 330Ω 1/10W J  |
| R1352    | NRSA02J-151X | MG R | 150Ω 1/10W J  |
| R1365    | NRSA02J-152X | MG R | 1.5kΩ 1/10W J |

|          |              |      |               |
|----------|--------------|------|---------------|
| R1366    | NRSA02J-563X | MG R | 56kΩ 1/10W J  |
| R1367    | NRSA02J-333X | MG R | 33kΩ 1/10W J  |
| R1371-73 | NRSA02J-151X | MG R | 150Ω 1/10W J  |
| R1374-76 | NRSA02J-331X | MG R | 330Ω 1/10W J  |
| R1377-79 | NRSA02J-101X | MG R | 100Ω 1/10W J  |
| R1380-82 | QRZ0111-152  | C R  | 1.5kΩ 1/2W K  |
| R1383-85 | QRL029J-153  | OM R | 15kΩ 2W J     |
| R1386-88 | NRSA02J-272X | MG R | 2.7kΩ 1/10W J |

|       |              |      |               |
|-------|--------------|------|---------------|
| R1421 | NRSA02J-472X | MG R | 4.7kΩ 1/10W J |
| R1422 | QRE121J-561Y | C R  | 560Ω 1/2W J   |
| R1423 | QRX01GJ-1R0  | MF R | 1.0Ω 1W J     |

| Symbol No. | Part No. | Part Name | Description |
|------------|----------|-----------|-------------|
|------------|----------|-----------|-------------|

## RESISTOR

|          |              |      |               |
|----------|--------------|------|---------------|
| R1424    | QRE121J-102Y | C R  | 1kΩ 1/2W J    |
| R1425    | NRSA02J-683X | MG R | 68kΩ 1/10W J  |
| R1427    | NRSA02J-392X | MG R | 3.9kΩ 1/10W J |
| R1428    | NRSA02J-393X | MG R | 39kΩ 1/10W J  |
| R1429    | NRSA02J-223X | MG R | 22kΩ 1/10W J  |
| R1430-31 | NRSA02J-0R0X | MG R | 0.0Ω 1/10W J  |
| R1433    | QRE121J-100Y | C R  | 10Ω 1/2W J    |
| R1441    | QRE121J-102Y | C R  | 1kΩ 1/2W J    |

|       |              |      |               |
|-------|--------------|------|---------------|
| R1501 | NRSA02J-361X | MG R | 360Ω 1/10W J  |
| R1502 | NRSA02J-152X | MG R | 1.5kΩ 1/10W J |
| R1504 | NRSA02J-0R0X | MG R | 0.0Ω 1/10W J  |
| R1505 | NRSA02J-822X | MG R | 8.2kΩ 1/10W J |
| R1506 | NRSA02J-222X | MG R | 2.2kΩ 1/10W J |
| R1507 | NRSA02J-563X | MG R | 56kΩ 1/10W J  |
| R1511 | QRE121J-391Y | C R  | 390Ω 1/2W J   |
| R1522 | NRSA02J-391X | MG R | 390Ω 1/10W J  |

|       |              |      |              |
|-------|--------------|------|--------------|
| R1523 | NRSA02J-471X | MG R | 470Ω 1/10W J |
| R1524 | QRE121J-271Y | C R  | 270Ω 1/2W J  |
| R1525 | QRG01GJ-220  | OM R | 22Ω 1W J     |
| R1526 | QRL039J-152  | OM R | 1.5kΩ 3W J   |
| R1541 | QRT029J-1R8  | MF R | 1.8Ω 2W J    |
| R1542 | QRL029J-101  | OM R | 100Ω 2W J    |
| R1543 | QRT039J-1R0  | MF R | 1.0Ω 3W J    |
| R1544 | QRT039J-1R0  | MF R | 1.0Ω 3W J    |

|       |               |      |                |
|-------|---------------|------|----------------|
| R1546 | QRL029J-220   | OM R | 22Ω 2W J       |
| R1561 | QRK126J-4R7X  | C R  | 4.7Ω 1/2W J    |
| R1562 | NRZ0032-7151X | MF R | 7.15kΩ 1/10W J |
| R1563 | NRZ0032-2941X | MF R | 2.94kΩ 1/10W J |
| R1564 | NRSA02J-153X  | MG R | 15kΩ 1/10W J   |
| R1565 | NRSA02J-0R0X  | MG R | 0.0Ω 1/10W J   |
| R1566 | NRSA02J-333X  | MG R | 33kΩ 1/10W J   |
| R1567 | NRSA02J-392X  | MG R | 3.9kΩ 1/10W J  |

|       |              |      |              |
|-------|--------------|------|--------------|
| R1568 | NRSA02J-223X | MG R | 22kΩ 1/10W J |
| R1571 | QRX01GJ-1R5  | MF R | 1.5Ω 1W J    |
| R1581 | QRJ146J-2R2X | C R  | 2.2Ω 1/4W J  |
| R1582 | QRL029J-223  | OM R | 22kΩ 2W J    |
| R1583 | QRE121J-333Y | C R  | 33kΩ 1/2W J  |
| R1584 | QRE121J-393Y | C R  | 39kΩ 1/2W J  |
| R1585 | QRE121J-103Y | C R  | 10kΩ 1/2W J  |
| R1586 | QRE121J-472Y | C R  | 4.7kΩ 1/2W J |

|          |              |      |               |
|----------|--------------|------|---------------|
| R1615-16 | NRSA02J-123X | MG R | 12kΩ 1/10W J  |
| R1617-18 | NRSA02J-332X | MG R | 3.3kΩ 1/10W J |
| R1619-20 | NRSA02J-391X | MG R | 390Ω 1/10W J  |
| R1621-22 | QRE121J-4R7Y | C R  | 4.7Ω 1/2W J   |
| R1623    | NRSA02J-0R0X | MG R | 0.0Ω 1/10W J  |
| R1625    | NRSA02J-333X | MG R | 33kΩ 1/10W J  |
| R1627    | NRSA02J-101X | MG R | 100Ω 1/10W J  |
| R1651    | NRSA02J-102X | MG R | 1kΩ 1/10W J   |

|          |              |      |               |
|----------|--------------|------|---------------|
| R1652-53 | NRSA02J-682X | MG R | 6.8kΩ 1/10W J |
| R1654    | NRSA02J-333X | MG R | 33kΩ 1/10W J  |
| R1655    | NRSA02J-332X | MG R | 3.3kΩ 1/10W J |
| R1656    | NRVA02D-152X | MF R | 1.5kΩ 1/10W D |
| R1658    | NRVA02D-153X | MF R | 15kΩ 1/10W D  |
| R1660    | NRSA02J-512X | MG R | 5.1kΩ 1/10W J |
| R1671-72 | NRSA02J-102X | MG R | 1kΩ 1/10W J   |
| R1677    | NRSA02J-0R0X | MG R | 0.0Ω 1/10W J  |

|          |              |      |              |
|----------|--------------|------|--------------|
| R1682    | NRSA02J-683X | MG R | 68kΩ 1/10W J |
| R1683-84 | NRSA02J-561X | MG R | 560Ω 1/10W J |
| R1701    | NRSA02J-563X | MG R | 56kΩ 1/10W J |
| R1702-04 | NRSA02J-103X | MG R | 10kΩ 1/10W J |
| R1705    | NRSA02J-823X | MG R | 82kΩ 1/10W J |
| R1706    | NRSA02J-103X | MG R | 10kΩ 1/10W J |
| R1707    | NRSA02J-0R0X | MG R | 0.0Ω 1/10W J |
| R1708-09 | NRSA02J-103X | MG R | 10kΩ 1/10W J |

|       |              |      |              |
|-------|--------------|------|--------------|
| R1710 | NRSA02J-102X | MG R | 1kΩ 1/10W J  |
| R1712 | NRSA02J-0R0X | MG R | 0.0Ω 1/10W J |
| R1713 | NRSA02J-102X | MG R | 1kΩ 1/10W J  |

| Symbol No.      | Part No.     | Part Name | Description   |
|-----------------|--------------|-----------|---------------|
| <b>RESISTOR</b> |              |           |               |
| R1714           | NRSA02J-471X | MG R      | 470Ω 1/10W J  |
| R1715           | NRSA02J-105X | MG R      | 1MΩ 1/10W J   |
| R1716           | NRSA02J-154X | MG R      | 150kΩ 1/10W J |
| R1717           | NRSA02J-563X | MG R      | 56kΩ 1/10W J  |
| R1719           | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R1721-22        | NRSA02J-0R0X | MG R      | 0.0Ω 1/10W J  |
| R1723           | NRSA02J-105X | MG R      | 1MΩ 1/10W J   |
| R1724           | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R1725           | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |
| R1726           | NRSA02J-392X | MG R      | 3.9kΩ 1/10W J |
| R1727           | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |
| R1728           | NRSA02J-392X | MG R      | 3.9kΩ 1/10W J |
| R1729           | NRSA02J-153X | MG R      | 15kΩ 1/10W J  |
| R1730           | NRSA02J-682X | MG R      | 6.8kΩ 1/10W J |
| R1732           | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R1733           | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |
| R1734           | NRSA02J-182X | MG R      | 1.8kΩ 1/10W J |
| R1735           | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R1736           | NRSA02J-332X | MG R      | 3.3kΩ 1/10W J |
| R1737           | NRSA02J-472X | MG R      | 4.7kΩ 1/10W J |
| R1738           | NRSA02J-152X | MG R      | 1.5kΩ 1/10W J |
| R1739           | NRSA02J-472X | MG R      | 4.7kΩ 1/10W J |
| R1740           | NRSA02J-152X | MG R      | 1.5kΩ 1/10W J |
| R1741           | NRSA02J-472X | MG R      | 4.7kΩ 1/10W J |
| R1742           | NRSA02J-152X | MG R      | 1.5kΩ 1/10W J |
| R1743-44        | NRSA02J-0R0X | MG R      | 0.0Ω 1/10W J  |
| R1745-46        | NRSA02J-561X | MG R      | 560Ω 1/10W J  |
| R1747           | NRSA02J-0R0X | MG R      | 0.0Ω 1/10W J  |
| R1751           | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |
| R1752           | NRSA02J-472X | MG R      | 4.7kΩ 1/10W J |
| R1753           | NRSA02J-153X | MG R      | 15kΩ 1/10W J  |
| R1754           | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |
| R1755           | NRSA02J-472X | MG R      | 4.7kΩ 1/10W J |
| R1756           | NRSA02J-153X | MG R      | 15kΩ 1/10W J  |
| R1757-58        | NRSA02J-122X | MG R      | 1.2kΩ 1/10W J |
| R1759           | NRSA02J-0R0X | MG R      | 0.0Ω 1/10W J  |
| R1765-66        | NRSA02J-0R0X | MG R      | 0.0Ω 1/10W J  |
| R1767           | NRSA02J-474X | MG R      | 470kΩ 1/10W J |
| R1768           | NRSA02J-473X | MG R      | 47kΩ 1/10W J  |
| R1769           | NRSA02J-102X | MG R      | 1kΩ 1/10W J   |
| R1771           | NRSA02J-0R0X | MG R      | 0.0Ω 1/10W J  |
| R1804-06        | NRSA02J-101X | MG R      | 100Ω 1/10W J  |
| Δ R1901         | QRF074K-1R2  | UNF R     | 1.2 Ω 7W K    |
| Δ R1921         | QRX029J-2R7  | MF R      | 2.7 Ω 2W J    |
| R1923           | QRJ146J-470X | C R       | 47Ω 1/4W J    |
| R1924           | QRN141J-334Y | C R       | 330kΩ 1/4W J  |
| R1925           | QRN141J-123Y | C R       | 12kΩ 1/4W J   |
| Δ R1926         | QRF154J-271  | UNF R     | 270 Ω 15W J   |
| Δ R1927         | QRF154J-271  | UNF R     | 270 Ω 15W J   |
| R1952           | NRSA02J-222X | MG R      | 2.2kΩ 1/10W J |
| R1953           | NRSA02J-122X | MG R      | 1.2kΩ 1/10W J |
| R1954           | QRE121J-102Y | C R       | 1kΩ 1/2W J    |
| R1955           | NRSA02J-223X | MG R      | 22kΩ 1/10W J  |
| R1956           | QRE121J-101Y | C R       | 100Ω 1/2W J   |
| R1957           | NRSA02J-222X | MG R      | 2.2kΩ 1/10W J |
| R1958           | NRSA02J-103X | MG R      | 10kΩ 1/10W J  |
| Δ R1981         | QRZ904I-275  | C R       | 2.7MΩ 1/2W K  |

**CAPACITOR**

|          |              |         |              |
|----------|--------------|---------|--------------|
| C1001    | QETN1CM-106Z | E CAP.  | 10μF 50V M   |
| C1003    | QETN1CM-477Z | E CAP.  | 470μF 10V M  |
| C1004    | QETN1CM-106Z | E CAP.  | 10μF 50V M   |
| C1005    | NCB21HK-103X | C CAP.  | 0.01μF 50V K |
| C1006    | QETN1CM-476Z | E CAP.  | 47μF 16V M   |
| C1011-12 | NCB21HK-102X | C CAP.  | 1000pF 50V K |
| C1101-04 | NCB21HK-103X | C CAP.  | 0.01μF 50V K |
| C1105    | QETN1CM-107Z | E CAP.  | 100μF 16V M  |
| C1106    | NCB21HK-103X | C CAP.  | 0.01μF 50V K |
| C1107    | NRSA02J-0R0X | MG R    | 0.0Ω 1/10W J |
| C1108    | NDC21HJ-680X | C CAP.  | 68pF 50V J   |
| C1131    | QFV71HJ-154Z | MF CAP. | 0.15μF 50V J |
| C1132    | NCB21HK-152X | C CAP.  | 1500pF 50V K |
| C1133    | QETN1CM-474Z | E CAP.  | 0.47μF 50V M |

| Symbol No.       | Part No.     | Part Name | Description         |
|------------------|--------------|-----------|---------------------|
| <b>CAPACITOR</b> |              |           |                     |
| C1134            | NCB21HK-472X | C CAP.    | 4700pF 50V K        |
| C1135            | NCB21HK-103X | C CAP.    | 0.01μF 50V K        |
| C1138            | QETN1CM-476Z | E CAP.    | 47μF 16V M          |
| C1161            | QETN1CM-107Z | E CAP.    | 100μF 16V M         |
| C1162            | NCB21HK-103X | C CAP.    | 0.01μF 50V K        |
| C1163-64         | NDC21HJ-470X | C CAP.    | 47pF 50V J          |
| C1166            | NCB21HK-103X | C CAP.    | 0.01μF 50V K        |
| C1167            | NDC21HJ-470X | C CAP.    | 47pF 50V J          |
| C1169-70         | NCB21HK-103X | C CAP.    | 0.01μF 50V K        |
| C1205            | NDC21HJ-680X | C CAP.    | 68pF 50V J          |
| C1207            | QETN1CM-474Z | E CAP.    | 0.47μF 50V M        |
| C1208            | QETN1CM-106Z | E CAP.    | 10μF 50V M          |
| C1209-10         | QETN1CM-105Z | E CAP.    | 1μF 50V M           |
| C1212            | NCB21HK-104X | CHIP CAP. | 0.1μF 50V K         |
| C1214            | QETN1CM-106Z | E CAP.    | 10μF 50V M          |
| C1215            | QETN1CM-105Z | E CAP.    | 1μF 50V M           |
| C1217            | QETN1CM-476Z | E CAP.    | 47μF 16V M          |
| C1254-55         | QETN1CM-106Z | E CAP.    | 10μF 50V M          |
| C1256            | QETN1CM-107Z | E CAP.    | 100μF 16V M         |
| C1274            | QETN1CM-105Z | E CAP.    | 1μF 50V M           |
| C1303            | NCB21HK-103X | C CAP.    | 0.01μF 50V K        |
| C1304            | QETN1CM-107Z | E CAP.    | 100μF 16V M         |
| C1305            | NDC21HJ-100X | C CAP.    | 10pF 50V J          |
| C1306            | NCB21HK-223X | C CAP.    | 0.022μF 50V K       |
| C1307            | QETN1CM-474Z | E CAP.    | 0.47μF 50V M        |
| C1309            | NDC21HJ-2R0X | C CAP.    | 2.0pF 50V J         |
| C1355            | NRSA02J-0R0X | MG R      | 0.0Ω 1/10W J        |
| C1356            | NCB21HK-104X | CHIP CAP. | 0.1μF 50V K         |
| C1374-76         | NCS21HJ-561X | C CAP.    | 560pF 50V J         |
| C1377            | QETN1CM-107Z | E CAP.    | 100μF 16V M         |
| C1391            | QETN2EM-226  | E CAP.    | 22μF 250V M         |
| Δ C1392          | QCZ0121-102  | C CAP.    | 1000pF 3kV Z        |
| C1401            | QETN1CM-225Z | E CAP.    | 2.2μF 50V M         |
| C1402            | QBHC1CK-225Z | TAN. CAP. | 2.2μF 16V K         |
| C1403            | NCB21HK-102X | C CAP.    | 1000pF 50V K        |
| C1421            | NCB21HK-472X | C CAP.    | 4700pF 50V K        |
| C1424            | QEHRIHM-107Z | E CAP.    | 100μF 50V M         |
| C1425            | QEHRIHM-477Z | E CAP.    | 470μF 35V M         |
| C1426            | QFLC2AK-473Z | M CAP.    | 0.047μF 100V K      |
| C1427            | QEHQ1EM-228  | E CAP.    | 2200pF 25V M        |
| C1428            | QFV21HJ-474Z | MF CAP.   | 0.47μF 50V J        |
| C1429            | QFV21HJ-224Z | MF CAP.   | 0.22μF 50V J        |
| C1501            | QETN1CM-107Z | E CAP.    | 100μF 16V M         |
| C1502            | QETN1CM-106Z | E CAP.    | 10μF 50V M          |
| C1503            | NCB21HK-103X | C CAP.    | 0.01μF 50V K        |
| C1505            | QETN1CM-106Z | E CAP.    | 10μF 50V M          |
| C1511            | QETN1CM-476Z | E CAP.    | 47μF 16V M          |
| C1521            | NCB21HK-332X | C CAP.    | 3300pF 50V K        |
| C1522            | NCB21HK-822X | C CAP.    | 8200pF 50V K        |
| C1523            | QEM61HK-105Z | E CAP.    | 1μF 50V K           |
| Δ C1524          | QFZ0117-125Z | MPP CAP.  | 12500pF 1.4kVH±2.5% |
| Δ C1525          | QFZ0203-107  | E CAP.    | 100μF 160V M        |
| Δ C1526          | QFZ0119-434  | MPP CAP.  | 0.43μF 200V ±3%     |
| C1527            | QCB32HK-561Z | C CAP.    | 560pF 500V K        |
| C1543            | QETN1CM-477Z | E CAP.    | 470μF 35V M         |
| C1545            | QETN1CM-227Z | E CAP.    | 220μF 16V M         |
| C1546            | QETN1CM-477Z | E CAP.    | 470μF 16V M         |
| C1548            | QETN1CM-227Z | E CAP.    | 220μF 16V M         |
| Δ C1561          | QETN1CM-106Z | E CAP.    | 10μF 50V M          |
| C1562            | QETN1CM-475Z | E CAP.    | 4.7μF 50V M         |
| C1563            | NCB21HK-103X | C CAP.    | 0.01μF 50V K        |
| Δ C1581          | QETN2EM-106Z | E CAP.    | 10μF 250V M         |
| C1582            | NCB21HK-473X | C CAP.    | 0.047μF 50V K       |
| C1583            | QETN1CM-225Z | E CAP.    | 2.2μF 50V M         |
| C1584            | QFLC2AJ-104Z | M CAP.    | 0.1μF 100V J        |
| C1615            | NRSA02J-0R0X | MG R      | 0.0Ω 1/10W J        |
| C1616            | QENC1HM-474Z | BP E CAP. | 0.47μF 50V M        |
| C1617            | QETN1CM-476Z | E CAP.    | 47μF 16V M          |
| C1618            | QETN1CM-107Z | E CAP.    | 100μF 16V M         |
| C1619            | QETN1CM-477Z | E CAP.    | 470μF 16V M         |
| C1620            | NCB21HK-104X | CHIP CAP. | 0.1μF 50V K         |
| C1621            | NRSA02J-0R0X | MG R      | 0.0Ω 1/10W J        |
| C1622            | QENC1HM-474Z | BP E CAP. | 0.47μF 50V M        |
| C1623            | QETN1CM-476Z | E CAP.    | 47μF 16V M          |

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| Q. Part No.     | Part Name     | Description            |
|-----------------|---------------|------------------------|
| <b>APACITOR</b> |               |                        |
| C1624           | QETN1CM-107Z  | E CAP. 100μF 16V M     |
| C1625           | QETN1CM-477Z  | E CAP. 470μF 16V M     |
| C1626           | NCB21HK-104X  | CHIP CAP. 0.1μF 50V K  |
| C1627           | QETN1CM-477Z  | E CAP. 470μF 16V M     |
| C1651           | NCB21HK-103X  | C CAP. 0.01μF 50V K    |
| C1652           | QETN1CM-107Z  | E CAP. 100μF 16V M     |
| C1653           | QETN1CM-476Z  | E CAP. 47μF 16V M      |
| C1654           | NCB21HK-104X  | CHIP CAP. 0.1μF 50V K  |
| C1655           | QENC1HM-475Z  | BP E CAP. 4.7μF 50V M  |
| C1656           | QENC1HM-105Z  | BP E CAP. 1μF 50V M    |
| C1657           | QETN1HM-225Z  | E CAP. 2.2μF 50V M     |
| C1658           | NCB21HK-473X  | C CAP. 0.047μF 50V K   |
| C1659           | QETN1HM-474Z  | E CAP. 0.47μF 50V M    |
| C1660-61        | NCB21HK-104X  | CHIP CAP. 0.1μF 50V K  |
| C1662           | QBTC1CK-335Z  | TAN. CAP. 3.3μF 16V K  |
| C1663           | QETN1HM-105Z  | E CAP. 1μF 50V M       |
| C1664           | QBTC1CK-106Z  | TAN. CAP. 10μF 16V K   |
| C1665-66        | QETN1HM-105Z  | E CAP. 1μF 50V M       |
| C1667           | QETN1HM-336Z  | E CAP. 33μF 50V M      |
| C1668           | QETN1HM-105Z  | E CAP. 1μF 50V M       |
| C1671           | QETN1HM-225Z  | E CAP. 2.2μF 50V M     |
| C1672           | NCB21HK-222X  | C CAP. 2200pF 50V K    |
| C1673           | NCB21HK-104X  | CHIP CAP. 0.1μF 50V K  |
| C1674           | QETN1HM-225Z  | E CAP. 2.2μF 50V M     |
| C1675           | NCB21HK-222X  | C CAP. 2200pF 50V K    |
| C1676           | NCB21HK-104X  | CHIP CAP. 0.1μF 50V K  |
| C1679           | QETN1HM-105Z  | E CAP. 1μF 50V M       |
| C1685-86        | QETN1HM-106Z  | E CAP. 10μF 50V M      |
| C1687-88        | NCB21HK-472X  | C CAP. 4700pF 50V K    |
| C1701           | NDC21HJ-560X  | C CAP. 56pF 50V J      |
| C1703           | NCB21HK-102X  | C CAP. 1000pF 50V K    |
| C1704           | NCB21HK-103X  | C CAP. 0.01μF 50V K    |
| C1705           | NDC21HJ-151X  | C CAP. 150pF 50V J     |
| C1706           | NCB21HK-104X  | CHIP CAP. 0.1μF 50V K  |
| C1707           | QETN1HM-105Z  | E CAP. 1μF 50V M       |
| C1708           | NCS21HJ-221X  | C CAP. 220pF 50V J     |
| C1709           | NCS21HJ-102X  | C CAP. 1000pF 50V J    |
| C1710           | NDC21HJ-681X  | C CAP. 680pF 50V J     |
| C1711           | QETN1HM-474Z  | E CAP. 0.47μF 50V M    |
| C1712           | NCB21HK-102X  | C CAP. 1000pF 50V K    |
| C1714           | NCB21HK-103X  | C CAP. 0.01μF 50V K    |
| C1716           | QETN1CM-476Z  | E CAP. 47μF 16V M      |
| C1717           | NCB21HK-104X  | CHIP CAP. 0.1μF 50V K  |
| C1718           | NCB21HK-103X  | C CAP. 0.01μF 50V K    |
| C1719-20        | QETN1CM-107Z  | E CAP. 100μF 16V M     |
| C1721           | NCB21HK-104X  | CHIP CAP. 0.1μF 50V K  |
| C1722-23        | NDC21HJ-580X  | C CAP. 5.0pF 50V J     |
| C1724           | NCB21HK-103X  | C CAP. 0.01μF 50V K    |
| C1725           | QETN1AM-227Z  | E CAP. 220μF 10V M     |
| C1726           | NDC21HJ-470X  | C CAP. 47pF 50V J      |
| C1735           | NCB21HK-103X  | C CAP. 0.01μF 50V K    |
| C1751           | QETN1CM-476Z  | E CAP. 47μF 16V M      |
| ▲ C1801-03      | QENC1HM-474Z  | BP E CAP. 0.47μF 50V M |
| ▲ C1901         | QFZ9040-104   | MF CAP. 0.1μFAC275V M  |
| ▲ C1902         | QFZ9040-473   | MF CAP. 0.47μFAC275V M |
| ▲ C1911         | QFZ9074-472   | C CAP. 4700pFAC125V M  |
| ▲ C1912         | QCZ9074-472   | C CAP. 4700pFAC125V M  |
| ▲ C1913         | QCZ9074-472   | C CAP. 4700pFAC125V M  |
| ▲ C1914         | QE20429-477   | E CAP. 470μF 200V M    |
| C1921           | QEHRC2CM-335Z | E CAP. 3.3μF 160V M    |
| C1951           | QETN1EM-227Z  | E CAP. 220μF 25V M     |
| C1953           | QETN1EM-107Z  | E CAP. 100μF 25V M     |
| C1954           | NCB21HK-473X  | C CAP. 0.047μF 50V K   |
| C1956           | QETN1HM-106Z  | E CAP. 10pF 50V M      |
| C1958           | QETN1EM-107Z  | E CAP. 100μF 25V M     |
| C1959           | QETN1HM-226Z  | E CAP. 22μF 50V M      |
| ▲ C1981         | QCZ9074-103   | C CAP. 0.01μFAC125V M  |
| ▲ C1982         | QCZ9074-103   | C CAP. 0.01μFAC125V M  |

**TRANSFORMER**

|         |               |                   |
|---------|---------------|-------------------|
| T1131   | QQR0907-001   | I. F. TRANSFORMER |
| T1161   | CEL7003-109J3 | S. I. F. TRANSF.  |
| ▲ T1521 | CE41106-00CJ1 | DRIVE TRANSF.     |
| ▲ T1522 | QQH0028-001   | H. V. TRANSF.     |
| ▲ T1901 | QQT0198-001   | POWER TRANSF.     |

| Symbol No.  | Part No.     | Part Name      | Description |
|-------------|--------------|----------------|-------------|
| <b>COIL</b> |              |                |             |
| L1001       | QQL03BJ-150Z | COIL           | 15μH        |
| L1003       | QQL03BJ-5R6Z | COIL           | 5.6μH       |
| L1102       | QQL2014-R2Z  | PEAKING COIL   |             |
| L1104       | QQL03BJ-680Z | COIL           | 68μH        |
| L1131       | QQL03BJ-220Z | COIL           | 22μH        |
| L1161       | QQL03BJ-680Z | COIL           | 68μH        |
| L1162       | QQL03BJ-390Z | COIL           | 39μH        |
| L1201       | QQL03BJ-330Z | COIL           | 33μH        |
| L1391       | QQL03BJ-390Z | COIL           | 39μH        |
| L1521       | CELL004-001  | LINEARITY COIL |             |
| L1701       | QQL03BJ-4R7Z | COIL           | 4.7μH       |
| L1709       | QQL03BJ-100Z | COIL           | 10μH        |

**DIODE**

|          |                |              |
|----------|----------------|--------------|
| D1001    | MTZJ33B-T2     | ZENER DIODE  |
| D1002    | MTZJ5.1B-T2    | ZENER DIODE  |
| D1003-04 | MTZJ9.1C-T2    | ZENER DIODE  |
| D1201-03 | 1SS133-T2      | SI. DIODE    |
| D1254    | MTZJ9.1C-T2    | ZENER DIODE  |
| D1421    | 1N4003-T2      | SI. DIODE    |
| D1422    | MTZJ75-T2      | ZENER DIODE  |
| D1423    | 1SS133-T2      | SI. DIODE    |
| D1501    | MTZJ9.1C-T2    | ZENER DIODE  |
| D1511    | MTZJ3.3A-T2    | ZENER DIODE  |
| D1541    | RGP10J-5025-T3 | SI. DIODE    |
| D1542    | 1SR35-400A-T2  | SI. DIODE    |
| D1543-44 | RGP10J-5025-T3 | SI. DIODE    |
| D1561    | 1SS81-T2       | SI. DIODE    |
| ▲ D1562  | MA4068N/Z1/-T2 | ZENER DIODE  |
| D1563    | 1SS133-T2      | SI. DIODE    |
| ▲ D1581  | RH15-T3        | SI. DIODE    |
| D1582    | RGP10J-5025-T3 | SI. DIODE    |
| D1583    | MTZJ9.1C-T2    | ZENER DIODE  |
| D1601-02 | 1SS133-T2      | SI. DIODE    |
| D1651-52 | MTZJ9.1C-T2    | ZENER DIODE  |
| D1659-60 | MTZJ9.1C-T2    | ZENER DIODE  |
| D1704-07 | 1SS133-T2      | SI. DIODE    |
| D1711    | 1SS133-T2      | SI. DIODE    |
| D1717-18 | MTZJ9.1C-T2    | ZENER DIODE  |
| D1751    | SLR-342VR3F    | L.E.D.       |
| D1804    | MTZJ5.1B-T2    | ZENER DIODE  |
| D1805    | 1SS133-T2      | SI. DIODE    |
| ▲ D1911  | D35B60         | BRIDGE DIODE |
| D1941-44 | 1SR35-400A-T2  | SI. DIODE    |
| D1951    | MTZJ12C-T2     | ZENER DIODE  |
| D1953    | 1SR35-400A-T2  | SI. DIODE    |
| D1957-58 | 1SS133-T2      | SI. DIODE    |

**TRANSISTOR**

|          |                |                  |
|----------|----------------|------------------|
| Q1101    | 2SC5083/L-P/-T | SI. TRANSISTOR   |
| Q1131-32 | 2SC2412K/QR/-X | SI. TRANSISTOR   |
| Q1161    | 2SC2412K/QR/-X | SI. TRANSISTOR   |
| Q1201-03 | 2SC2412K/QR/-X | SI. TRANSISTOR   |
| Q1261    | 2SC2412K/QR/-X | SI. TRANSISTOR   |
| Q1271    | 2SC2412K/QR/-X | SI. TRANSISTOR   |
| Q1361    | 2SC2412K/QR/-X | SI. TRANSISTOR   |
| Q1371-73 | 2SC4544-LB     | SI. TRANSISTOR   |
| Q1521    | 2SC2655/Y/-T   | SI. TRANSISTOR   |
| ▲ Q1522  | 2SD2499-LB     | SI. TRANSISTOR   |
| Q1561    | 2SC2785/JH/-T  | SI. TRANSISTOR   |
| Q1562    | 2SA933AS/QR/-T | SI. TRANSISTOR   |
| Q1602    | DTC323TK-X     | DIGI. TRANSISTOR |
| Q1701-03 | 2SC2412K/QR/-X | SI. TRANSISTOR   |
| Q1704    | DTC323TK-X     | DIGI. TRANSISTOR |
| Q1951    | 2SC2412K/QR/-X | SI. TRANSISTOR   |
| Q1952    | 2SA966/OY/-T   | SI. TRANSISTOR   |
| Q1953    | 2SC2412K/QR/-X | SI. TRANSISTOR   |

H. OUT

**IC**

|          |                |                  |
|----------|----------------|------------------|
| IC1201   | TA1242N        | I. C. (MONO-ANA) |
| IC1251   | BA7612N        | I. C. (MONO-ANA) |
| ▲ IC1421 | LA7832         | I. C. (MONO-ANA) |
| IC1541   | AN7809F        | I. C. (MONO-ANA) |
| ▲ IC1602 | LA4446         | I. C. (MONO-ANA) |
| IC1651   | UPC1851BCU     | I. C. (MONO-ANA) |
| IC1701   | H37272MA-050SP | IC               |

| △ Symbol No.  | Part No.       | Part Name       | Description     |
|---------------|----------------|-----------------|-----------------|
| <b>IC</b>     |                |                 |                 |
| IC1702        | AT24C02-C20110 | I.C.            | (SERVICE)       |
| IC1703        | L78L05E-MA     | I.C. (MONO-ANA) |                 |
| IC1751        | GP1U281Q       | IFR DETECT UNIT |                 |
| △ IC1921      | STR30134       | I.C. (H)        |                 |
| IC1951        | TA78L009AP-T   | I.C. (MONO-ANA) |                 |
| <b>OTHERS</b> |                |                 |                 |
| CF1001        | LC30190-001B-A | LED HOLDER      |                 |
| CF1131        | QAX0349-001    | CERAMIC FILTER  |                 |
| CF1161        | CE41505-001    | CERAMIC FILTER  |                 |
| CF1501        | SFSH4.5MCB     | CERAMIC FILTER  |                 |
| CF1701        | CSB503F30-T2   | CER. RESONATOR  |                 |
| CF1701        | CST8.00MTW     | CER. RESONATOR  |                 |
| CF1702        | QAX0428-001    | CER. RESONATOR  |                 |
| CL1001        | QZW0028-002    | WIRE CLAMP      |                 |
| △ CL1002-03   | QZW0028-001    | WIRE CLAMP      |                 |
| △ CN10PW      | QMPD200-200-JC | POWER CORD      | (Charcoal type) |
| △ F1901       | QMF0007-6R3J1  | FUSE            | 6.3A            |
| △ F1902       | QMF0007-1R25J1 | FUSE            | 1.25A           |
| FC1901        | CEMG002-001Z   | FUSE CLIP       | (×2)            |
| FC1902        | CEMG002-001Z   | FUSE CLIP       | (×4)            |
| △ FR1720      | QRZ9017-820    | F R             | 82 Ω 1/4W J     |
| J1003         | QNN0182-001    | PIN JACK        |                 |
| K1701         | QQR0582-001Z   | BEADS CORE      |                 |
| △ LF1901      | QQR0864-002    | LINE FILTER     |                 |
| △ RY1901      | QSK0083-001    | RELAY           |                 |
| S1751         | QSW0619-003Z   | PUSH SWITCH     | MENU            |
| S1752         | QSW0619-003Z   | PUSH SWITCH     | CH-             |
| S1753         | QSW0619-003Z   | PUSH SWITCH     | CH+             |
| S1754         | QSW0619-003Z   | PUSH SWITCH     | VOL-            |
| S1755         | QSW0619-003Z   | PUSH SWITCH     | VOL+            |
| △ S1756       | QSW0619-003Z   | PUSH SWITCH     | POWER           |
| SF1101        | CE42589-201    | SAW FILTER      |                 |
| △ SK1371      | CE42535-001J1  | C.R.T. SOCKET   |                 |
| △ TH1901      | CEKP007-002    | P.THERMISTOR    |                 |
| △ TU1001      | QAU0069-001    | TUNER           |                 |
| △ VA1901      | ERZV10V361CS   | VARIATOR        |                 |
| W1019         | NRSA02J-OROX   | MG R            | 0.0Ω 1/10W J    |
| W1053-54      | NRSA02J-OROX   | MG R            | 0.0Ω 1/10W J    |
| W1061-64      | NRSA02J-OROX   | MG R            | 0.0Ω 1/10W J    |
| W1066-68      | NRSA02J-OROX   | MG R            | 0.0Ω 1/10W J    |
| W1071-72      | NRSA02J-OROX   | MG R            | 0.0Ω 1/10W J    |
| W1082-83      | NRSA02J-OROX   | MG R            | 0.0Ω 1/10W J    |
| W1109         | NRSA02J-OROX   | MG R            | 0.0Ω 1/10W J    |
| W1117         | NRSA02J-OROX   | MG R            | 0.0Ω 1/10W J    |
| W1121         | NRSA02J-OROX   | MG R            | 0.0Ω 1/10W J    |
| W1182         | NRSA02J-OROX   | MG R            | 0.0Ω 1/10W J    |
| W1184         | NRSA02J-OROX   | MG R            | 0.0Ω 1/10W J    |
| W1245-47      | NRSA02J-OROX   | MG R            | 0.0Ω 1/10W J    |
| W1304-12      | NRSA02J-OROX   | MG R            | 0.0Ω 1/10W J    |
| W1323-24      | NRSA02J-OROX   | MG R            | 0.0Ω 1/10W J    |
| X1301         | QAX0310-001Z   | CRYSTAL         |                 |
| Y1170-71      | NRSA02J-OROX   | MG R            | 0.0Ω 1/10W J    |
| Y1271-72      | NRSA02J-OROX   | MG R            | 0.0Ω 1/10W J    |
| Y1541         | NRSA02J-OROX   | MG R            | 0.0Ω 1/10W J    |

## AV-27115(A US&amp;A CA)

## PRINTED WIRING BOARD PARTS LIST

## MAIN P.W. BOARD ASS'Y (SFV-1034A-M2)

| Symbol No. | Part No. | Part Name | Description |
|------------|----------|-----------|-------------|
|------------|----------|-----------|-------------|

## RESISTOR

|          |              |      |               |
|----------|--------------|------|---------------|
| R1001    | QRE121J-5R6Y | C R  | 5.6Ω 1/2W J   |
| R1003-04 | NRSA02J-0R0X | MG R | 0.0Ω 1/10W J  |
| R1005    | QRG01GJ-121  | OM R | 120Ω 1W J     |
| R1101    | NRSA02J-820X | MG R | 82Ω 1/10W J   |
| R1102    | NRSA02J-562X | MG R | 5.6kΩ 1/10W J |
| R1103    | NRSA02J-182X | MG R | 1.8kΩ 1/10W J |
| R1104    | QRE121J-101Y | C R  | 100Ω 1/2W J   |
| R1105    | NRSA02J-180X | MG R | 18Ω 1/10W J   |

|       |              |      |               |
|-------|--------------|------|---------------|
| R1106 | NRSA02J-270X | MG R | 27Ω 1/10W J   |
| R1131 | NRSA02J-271X | MG R | 270Ω 1/10W J  |
| R1133 | NRSA02J-101X | MG R | 100Ω 1/10W J  |
| R1134 | NRSA02J-102X | MG R | 1kΩ 1/10W J   |
| R1135 | NRSA02J-561X | MG R | 560Ω 1/10W J  |
| R1136 | NRSA02J-182X | MG R | 1.8kΩ 1/10W J |
| R1137 | NRSA02J-272X | MG R | 2.7kΩ 1/10W J |
| R1138 | NRSA02J-821X | MG R | 820Ω 1/10W J  |

|          |              |      |               |
|----------|--------------|------|---------------|
| R1139    | NRSA02J-0R0X | MG R | 0.0Ω 1/10W J  |
| R1142    | NRSA02J-101X | MG R | 100Ω 1/10W J  |
| R1145    | NRSA02J-472X | MG R | 4.7kΩ 1/10W J |
| R1146    | NRSA02J-273X | MG R | 27kΩ 1/10W J  |
| R1161-62 | NRSA02J-102X | MG R | 1kΩ 1/10W J   |
| R1163    | NRSA02J-472X | MG R | 4.7kΩ 1/10W J |
| R1164    | NRSA02J-332X | MG R | 3.3kΩ 1/10W J |
| R1165    | NRSA02J-0R0X | MG R | 0.0Ω 1/10W J  |

|       |              |      |               |
|-------|--------------|------|---------------|
| R1201 | NRSA02J-0R0X | MG R | 0.0Ω 1/10W J  |
| R1203 | NRSA02J-102X | MG R | 1kΩ 1/10W J   |
| R1204 | NRSA02J-681X | MG R | 680Ω 1/10W J  |
| R1205 | NRSA02J-152X | MG R | 1.5kΩ 1/10W J |
| R1207 | NRSA02J-0R0X | MG R | 0.0Ω 1/10W J  |
| R1208 | NRSA02J-472X | MG R | 4.7kΩ 1/10W J |
| R1209 | NRSA02J-471X | MG R | 470Ω 1/10W J  |
| R1210 | NRSA02J-392X | MG R | 3.9kΩ 1/10W J |

|       |              |      |               |
|-------|--------------|------|---------------|
| R1211 | NRSA02J-471X | MG R | 470Ω 1/10W J  |
| R1212 | NRSA02J-103X | MG R | 10kΩ 1/10W J  |
| R1213 | NRSA02J-391X | MG R | 390Ω 1/10W J  |
| R1215 | NRSA02J-334X | MG R | 330kΩ 1/10W J |
| R1216 | NRSA02J-563X | MG R | 56kΩ 1/10W J  |
| R1218 | NRSA02J-182X | MG R | 1.8kΩ 1/10W J |
| R1219 | NRSA02J-122X | MG R | 1.2kΩ 1/10W J |
| R1220 | NRSA02J-561X | MG R | 560Ω 1/10W J  |

|          |              |      |               |
|----------|--------------|------|---------------|
| R1222    | NRSA02J-102X | MG R | 1kΩ 1/10W J   |
| R1251    | NRSA02J-750X | MG R | 75Ω 1/10W J   |
| R1264    | NRSA02J-222X | MG R | 2.2kΩ 1/10W J |
| R1265    | NRSA02J-0R0X | MG R | 0.0Ω 1/10W J  |
| R1266    | NRSA02J-152X | MG R | 1.5kΩ 1/10W J |
| R1267    | NRSA02J-0R0X | MG R | 0.0Ω 1/10W J  |
| R1271-72 | NRSA02J-102X | MG R | 1kΩ 1/10W J   |
| R1278    | NRSA02J-152X | MG R | 1.5kΩ 1/10W J |

|          |              |      |               |
|----------|--------------|------|---------------|
| R1290    | NRSA02J-563X | MG R | 56kΩ 1/10W J  |
| R1291    | NRSA02J-473X | MG R | 47kΩ 1/10W J  |
| R1298-99 | NRSA02J-0R0X | MG R | 0.0Ω 1/10W J  |
| R1305    | NRSA02J-393X | MG R | 39kΩ 1/10W J  |
| R1306    | NRSA02J-183X | MG R | 18kΩ 1/10W J  |
| R1351    | NRSA02J-331X | MG R | 330Ω 1/10W J  |
| R1352    | NRSA02J-151X | MG R | 150Ω 1/10W J  |
| R1365    | NRSA02J-152X | MG R | 1.5kΩ 1/10W J |

|          |              |      |               |
|----------|--------------|------|---------------|
| R1366    | NRSA02J-563X | MG R | 56kΩ 1/10W J  |
| R1367    | NRSA02J-333X | MG R | 33kΩ 1/10W J  |
| R1371-73 | NRSA02J-151X | MG R | 150Ω 1/10W J  |
| R1374-76 | NRSA02J-331X | MG R | 330Ω 1/10W J  |
| R1377-79 | NRSA02J-101X | MG R | 100Ω 1/10W J  |
| R1380-82 | QRZ0111-152  | C R  | 1.5kΩ 1/2W K  |
| R1383-85 | QRL029J-153  | OM R | 15kΩ 2W J     |
| R1386-88 | NRSA02J-272X | MG R | 2.7kΩ 1/10W J |

|       |              |      |               |
|-------|--------------|------|---------------|
| R1421 | NRSA02J-472X | MG R | 4.7kΩ 1/10W J |
| R1422 | QRE121J-561Y | C R  | 560Ω 1/2W J   |

| Symbol No. | Part No. | Part Name | Description |
|------------|----------|-----------|-------------|
|------------|----------|-----------|-------------|

## RESISTOR

|          |              |      |               |
|----------|--------------|------|---------------|
| R1423    | QRX01GJ-1R0  | MF R | 1.0Ω 1W J     |
| R1424    | QRE121J-102Y | C R  | 1kΩ 1/2W J    |
| R1425    | NRSA02J-683X | MG R | 68kΩ 1/10W J  |
| R1427    | NRSA02J-392X | MG R | 3.9kΩ 1/10W J |
| R1428    | NRSA02J-393X | MG R | 39kΩ 1/10W J  |
| R1429    | NRSA02J-223X | MG R | 22kΩ 1/10W J  |
| R1430-31 | NRSA02J-0R0X | MG R | 0.0Ω 1/10W J  |
| R1433    | QRE121J-100Y | C R  | 10Ω 1/2W J    |

|       |              |      |               |
|-------|--------------|------|---------------|
| R1441 | QRE121J-102Y | C R  | 1kΩ 1/2W J    |
| R1501 | NRSA02J-361X | MG R | 360Ω 1/10W J  |
| R1502 | NRSA02J-152X | MG R | 1.5kΩ 1/10W J |
| R1504 | NRSA02J-0R0X | MG R | 0.0Ω 1/10W J  |
| R1505 | NRSA02J-822X | MG R | 8.2kΩ 1/10W J |
| R1506 | NRSA02J-222X | MG R | 2.2kΩ 1/10W J |
| R1507 | NRSA02J-563X | MG R | 56kΩ 1/10W J  |
| R1511 | QRE121J-391Y | C R  | 390Ω 1/2W J   |

|       |              |      |              |
|-------|--------------|------|--------------|
| R1522 | NRSA02J-391X | MG R | 390Ω 1/10W J |
| R1523 | NRSA02J-471X | MG R | 470Ω 1/10W J |
| R1524 | QRE121J-271Y | C R  | 270Ω 1/2W J  |
| R1525 | QRG01GJ-220  | OM R | 22Ω 1W J     |
| R1526 | QRL039J-152  | OM R | 1.5kΩ 3W J   |
| R1541 | QRT029J-1R8  | MF R | 1.8Ω 2W J    |
| R1542 | QRL029J-101  | OM R | 100Ω 2W J    |
| R1543 | QRT039J-1R0  | MF R | 1.0Ω 3W J    |

|         |               |      |                |
|---------|---------------|------|----------------|
| R1544   | QRT039J-1R0   | MF R | 1.0Ω 3W J      |
| R1546   | QRL029J-220   | OM R | 22Ω 2W J       |
| R1561   | QRK126J-4R7X  | C R  | 4.7Ω 1/2W J    |
| Δ R1562 | NRZ0032-7151X | MF R | 7.15kΩ 1/10W J |
| Δ R1563 | NRZ0032-2941X | MF R | 2.94kΩ 1/10W J |
| R1564   | NRSA02J-153X  | MG R | 15kΩ 1/10W J   |
| R1565   | NRSA02J-0R0X  | MG R | 0.0Ω 1/10W J   |
| R1566   | NRSA02J-333X  | MG R | 33kΩ 1/10W J   |

|       |              |      |               |
|-------|--------------|------|---------------|
| R1567 | NRSA02J-392X | MG R | 3.9kΩ 1/10W J |
| R1568 | NRSA02J-223X | MG R | 22kΩ 1/10W J  |
| R1571 | QRX01GJ-3R3  | MF R | 3.3Ω 1W J     |
| R1581 | QRJ146J-2R2X | C R  | 2.2Ω 1/4W J   |
| R1582 | QRL029J-223  | OM R | 22kΩ 2W J     |
| R1583 | QRE121J-333Y | C R  | 33kΩ 1/2W J   |
| R1584 | QRE121J-393Y | C R  | 39kΩ 1/2W J   |
| R1585 | QRE121J-103Y | C R  | 10kΩ 1/2W J   |

|          |              |      |               |
|----------|--------------|------|---------------|
| R1586    | QRE121J-472Y | C R  | 4.7kΩ 1/2W J  |
| R1615-16 | NRSA02J-123X | MG R | 12kΩ 1/10W J  |
| R1617-18 | NRSA02J-332X | MG R | 3.3kΩ 1/10W J |
| R1619-20 | NRSA02J-391X | MG R | 390Ω 1/10W J  |
| R1621-22 | QRE121J-4R7Y | C R  | 4.7Ω 1/2W J   |
| R1623    | NRSA02J-0R0X | MG R | 0.0Ω 1/10W J  |
| R1625    | NRSA02J-333X | MG R | 33kΩ 1/10W J  |
| R1627    | NRSA02J-101X | MG R | 100Ω 1/10W J  |

|          |              |      |               |
|----------|--------------|------|---------------|
| R1651    | NRSA02J-102X | MG R | 1kΩ 1/10W J   |
| R1652-53 | NRSA02J-682X | MG R | 6.8kΩ 1/10W J |
| R1654    | NRSA02J-333X | MG R | 33kΩ 1/10W J  |
| R1655    | NRSA02J-332X | MG R | 3.3kΩ 1/10W J |
| R1656    | NRVA02D-152X | MF R | 1.5kΩ 1/10W D |
| R1658    | NRVA02D-153X | MF R | 15kΩ 1/10W D  |
| R1660    | NRSA02J-512X | MG R | 5.1kΩ 1/10W J |
| R1671-72 | NRSA02J-102X | MG R | 1kΩ 1/10W J   |

|          |              |      |              |
|----------|--------------|------|--------------|
| R1677    | NRSA02J-0R0X | MG R | 0.0Ω 1/10W J |
| R1682    | NRSA02J-683X | MG R | 68kΩ 1/10W J |
| R1683-84 | NRSA02J-561X | MG R | 560Ω 1/10W J |
| R1701    | NRSA02J-563X | MG R | 56kΩ 1/10W J |
| R1702-04 | NRSA02J-103X | MG R | 10kΩ 1/10W J |
| R1705    | NRSA02J-823X | MG R | 82kΩ 1/10W J |
| R1706    | NRSA02J-103X | MG R | 10kΩ 1/10W J |
| R1707    | NRSA02J-0R0X | MG R | 0.0Ω 1/10W J |

|          |              |      |              |
|----------|--------------|------|--------------|
| R1708-09 | NRSA02J-103X | MG R | 10kΩ 1/10W J |
| R1710    | NRSA02J-102X | MG R | 1kΩ 1/10W J  |

△ Symbol No. Part No. Part Name Description

## RESISTOR

|          |              |       |               |
|----------|--------------|-------|---------------|
| R1712    | NRSA02J-0R0X | MG R  | 0.0Ω 1/10W J  |
| R1713    | NRSA02J-102X | MG R  | 1kΩ 1/10W J   |
| R1714    | NRSA02J-471X | MG R  | 470Ω 1/10W J  |
| R1715    | NRSA02J-105X | MG R  | 1MΩ 1/10W J   |
| R1716    | NRSA02J-154X | MG R  | 150kΩ 1/10W J |
| R1717    | NRSA02J-563X | MG R  | 56kΩ 1/10W J  |
| R1719    | NRSA02J-102X | MG R  | 1kΩ 1/10W J   |
| R1721-22 | NRSA02J-0R0X | MG R  | 0.0Ω 1/10W J  |
| R1723    | NRSA02J-105X | MG R  | 1MΩ 1/10W J   |
| R1724    | NRSA02J-102X | MG R  | 1kΩ 1/10W J   |
| R1725    | NRSA02J-103X | MG R  | 10kΩ 1/10W J  |
| R1726    | NRSA02J-392X | MG R  | 3.9kΩ 1/10W J |
| R1727    | NRSA02J-103X | MG R  | 10kΩ 1/10W J  |
| R1728    | NRSA02J-392X | MG R  | 3.9kΩ 1/10W J |
| R1729    | NRSA02J-153X | MG R  | 15kΩ 1/10W J  |
| R1730    | NRSA02J-682X | MG R  | 6.8kΩ 1/10W J |
| R1732    | NRSA02J-102X | MG R  | 1kΩ 1/10W J   |
| R1733    | NRSA02J-103X | MG R  | 10kΩ 1/10W J  |
| R1734    | NRSA02J-182X | MG R  | 1.8kΩ 1/10W J |
| R1735    | NRSA02J-102X | MG R  | 1kΩ 1/10W J   |
| R1736    | NRSA02J-332X | MG R  | 3.3kΩ 1/10W J |
| R1737    | NRSA02J-472X | MG R  | 4.7kΩ 1/10W J |
| R1738    | NRSA02J-152X | MG R  | 1.5kΩ 1/10W J |
| R1739    | NRSA02J-472X | MG R  | 4.7kΩ 1/10W J |
| R1740    | NRSA02J-152X | MG R  | 1.5kΩ 1/10W J |
| R1741    | NRSA02J-472X | MG R  | 4.7kΩ 1/10W J |
| R1742    | NRSA02J-152X | MG R  | 1.5kΩ 1/10W J |
| R1743-44 | NRSA02J-0R0X | MG R  | 0.0Ω 1/10W J  |
| R1745-46 | NRSA02J-561X | MG R  | 560Ω 1/10W J  |
| R1747    | NRSA02J-0R0X | MG R  | 0.0Ω 1/10W J  |
| R1751    | NRSA02J-103X | MG R  | 10kΩ 1/10W J  |
| R1752    | NRSA02J-472X | MG R  | 4.7kΩ 1/10W J |
| R1753    | NRSA02J-153X | MG R  | 15kΩ 1/10W J  |
| R1754    | NRSA02J-103X | MG R  | 10kΩ 1/10W J  |
| R1755    | NRSA02J-472X | MG R  | 4.7kΩ 1/10W J |
| R1756    | NRSA02J-153X | MG R  | 15kΩ 1/10W J  |
| R1757-58 | NRSA02J-122X | MG R  | 1.2kΩ 1/10W J |
| R1759    | NRSA02J-0R0X | MG R  | 0.0Ω 1/10W J  |
| R1765-66 | NRSA02J-0R0X | MG R  | 0.0Ω 1/10W J  |
| R1767    | NRSA02J-474X | MG R  | 470kΩ 1/10W J |
| R1768    | NRSA02J-473X | MG R  | 47kΩ 1/10W J  |
| R1769    | NRSA02J-102X | MG R  | 1kΩ 1/10W J   |
| R1771    | NRSA02J-0R0X | MG R  | 0.0Ω 1/10W J  |
| R1804-06 | NRSA02J-101X | MG R  | 100Ω 1/10W J  |
| △ R1901  | QR074K-1R2   | UNF R | 1.2 Ω 7W K    |
| △ R1921  | QRX029J-2R7  | MF R  | 2.7 Ω 2W J    |
| R1923    | QRJ146J-470X | C R   | 47Ω 1/4W J    |
| R1924    | QRN141J-334Y | C R   | 330kΩ 1/4W J  |
| R1925    | QRN141J-123Y | C R   | 12kΩ 1/4W J   |
| △ R1926  | QRF154J-271  | UNF R | 270 Ω 15W J   |
| △ R1927  | QRF154J-271  | UNF R | 270 Ω 15W J   |
| R1952    | NRSA02J-222X | MG R  | 2.2kΩ 1/10W J |
| R1953    | NRSA02J-122X | MG R  | 1.2kΩ 1/10W J |
| R1954    | QRE121J-102Y | C R   | 1kΩ 1/2W J    |
| R1955    | NRSA02J-223X | MG R  | 22kΩ 1/10W J  |
| R1956    | QRE121J-101Y | C R   | 100Ω 1/2W J   |
| R1957    | NRSA02J-222X | MG R  | 2.2kΩ 1/10W J |
| R1958    | NRSA02J-103X | MG R  | 10kΩ 1/10W J  |
| △ R1981  | QRZ9041-275  | C R   | 2.7MΩ 1/2W K  |

## CAPACITOR

|          |              |         |              |
|----------|--------------|---------|--------------|
| C1001    | QETN1HM-106Z | E CAP.  | 10μF 50V M   |
| C1003    | QETN1AM-477Z | E CAP.  | 470μF 10V M  |
| C1004    | QETN1HM-106Z | E CAP.  | 10μF 50V M   |
| C1005    | NCB21HK-103X | C CAP.  | 0.01μF 50V K |
| C1006    | QETN1EM-476Z | E CAP.  | 47μF 25V M   |
| C1011-12 | NCB21HK-102X | C CAP.  | 1000pF 50V K |
| C1101-04 | NCB21HK-103X | C CAP.  | 0.01μF 50V K |
| C1105    | QETN1CM-107Z | E CAP.  | 100μF 16V M  |
| C1106    | NCB21HK-103X | C CAP.  | 0.01μF 50V K |
| C1107    | NRSA02J-0R0X | MG R    | 0.0Ω 1/10W J |
| C1108    | NDC21HJ-680X | C CAP.  | 68pF 50V J   |
| C1131    | QFV71HJ-154Z | MF CAP. | 0.15μF 50V J |
| C1132    | NCB21HK-152X | C CAP.  | 1500pF 50V K |

△ Symbol No. Part No. Part Name Description

## CAPACITOR

|          |              |           |                    |
|----------|--------------|-----------|--------------------|
| C1133    | QETN1HM-474Z | E CAP.    | 0.47μF 50V M       |
| C1134    | NCB21HK-472X | C CAP.    | 4700pF 50V K       |
| C1135    | NCB21HK-103X | C CAP.    | 0.01μF 50V K       |
| C1138    | QETN1EM-476Z | E CAP.    | 47μF 25V M         |
| C1161    | QETN1CM-107Z | E CAP.    | 100μF 16V M        |
| C1162    | NCB21HK-103X | C CAP.    | 0.01μF 50V K       |
| C1163-64 | NDC21HJ-470X | C CAP.    | 47pF 50V J         |
| C1166    | NCB21HK-103X | C CAP.    | 0.01μF 50V K       |
| C1167    | NDC21HJ-470X | C CAP.    | 47pF 50V J         |
| C1169-70 | NCB21HK-103X | C CAP.    | 0.01μF 50V K       |
| C1205    | NDC21HJ-680X | C CAP.    | 68pF 50V J         |
| C1207    | QETN1HM-474Z | E CAP.    | 0.47μF 50V M       |
| C1208    | QETN1HM-106Z | E CAP.    | 10μF 50V M         |
| C1209-10 | QETN1HM-105Z | E CAP.    | 1μF 50V M          |
| C1212    | NCB21HK-104X | CHIP CAP. | 0.1μF 50V K        |
| C1214    | QETN1HM-106Z | E CAP.    | 10μF 50V M         |
| C1215    | QETN1HM-105Z | E CAP.    | 1μF 50V M          |
| C1217    | QETN1EM-476Z | E CAP.    | 47μF 25V M         |
| C1254-55 | QETN1HM-106Z | E CAP.    | 10μF 50V M         |
| C1256    | QETN1CM-107Z | E CAP.    | 100μF 16V M        |
| C1274    | QETN1HM-105Z | E CAP.    | 1μF 50V M          |
| C1303    | NCB21HK-103X | C CAP.    | 0.01μF 50V K       |
| C1304    | QETN1CM-107Z | E CAP.    | 100μF 16V M        |
| C1305    | NDC21HJ-100X | C CAP.    | 10pF 50V J         |
| C1306    | NCB21HK-223X | C CAP.    | 0.022μF 50V K      |
| C1307    | QETN1HM-474Z | E CAP.    | 0.47μF 50V M       |
| C1309    | NDC21HJ-2R0X | C CAP.    | 2.0pF 50V J        |
| C1355    | NRSA02J-0R0X | MG R      | 0.0Ω 1/10W J       |
| C1356    | NCB21HK-104X | CHIP CAP. | 0.1μF 50V K        |
| C1374-76 | NCS21HJ-561X | C CAP.    | 560pF 50V J        |
| C1377    | QETN1CM-107Z | E CAP.    | 100μF 16V M        |
| C1391    | QETM2EM-226  | E CAP.    | 22pF 250V M        |
| △ C1392  | QCZ0121-102  | C CAP.    | 1000pF 3KV Z       |
| C1401    | QETN1HM-225Z | E CAP.    | 2.2μF 50V M        |
| C1402    | QBHC1CK-225Z | TAN. CAP. | 2.2μF 16V K        |
| C1403    | NCB21HK-102X | C CAP.    | 1000pF 50V K       |
| C1421    | NCB21HK-472X | C CAP.    | 4700pF 50V K       |
| C1424    | QEHRIHM-107Z | E CAP.    | 100μF 50V M        |
| C1425    | QEHRIVM-477Z | E CAP.    | 470μF 35V M        |
| C1426    | QFLC2AK-473Z | M CAP.    | 0.047μF 100V K     |
| C1427    | QEHQ1EM-228  | E CAP.    | 2200μF 25V M       |
| C1428    | QFV21HJ-474Z | MF CAP.   | 0.47μF 50V J       |
| C1429    | QFV21HJ-224Z | MF CAP.   | 0.22μF 50V J       |
| C1501    | QETN1CM-107Z | E CAP.    | 100μF 16V M        |
| C1502    | QETN1HM-106Z | E CAP.    | 10μF 50V M         |
| C1503    | NCB21HK-103X | C CAP.    | 0.01μF 50V K       |
| C1505    | QETN1HM-106Z | E CAP.    | 10μF 50V M         |
| C1511    | QETN1EM-476Z | E CAP.    | 47μF 25V M         |
| C1521    | NCB21HK-332X | C CAP.    | 3300pF 50V K       |
| C1522    | NCB21HK-822X | C CAP.    | 8200pF 50V K       |
| C1523    | QEM51HK-105Z | E CAP.    | 1μF 50V K          |
| △ C1524  | QFZ0196-133  | MPP CAP.  | 0.013μF 1.5KVH ±3% |
| △ C1525  | QEZO203-107  | E CAP.    | 100μF 160V M       |
| △ C1526  | QFZ0119-434  | MPP CAP.  | 0.43μF 200V ±3%    |
| C1527    | QCB32HK-561Z | C CAP.    | 560pF 500V K       |
| C1543    | QETN1VM-477Z | E CAP.    | 470μF 35V M        |
| C1545    | QETN1CM-227Z | E CAP.    | 220μF 16V M        |
| C1546    | QETN1CM-477Z | E CAP.    | 470μF 16V M        |
| C1548    | QETN1CM-227Z | E CAP.    | 220μF 16V M        |
| △ C1561  | QETN1HM-106Z | E CAP.    | 10μF 50V M         |
| C1562    | QETN1HM-475Z | E CAP.    | 4.7μF 50V M        |
| C1563    | NCB21HK-103X | C CAP.    | 0.01μF 50V K       |
| △ C1581  | QETN2EM-106Z | E CAP.    | 10μF 250V M        |
| C1582    | NCB21HK-473X | C CAP.    | 0.047μF 50V K      |
| C1583    | QETN1HM-225Z | E CAP.    | 2.2μF 50V M        |
| C1584    | QFLC2AJ-104Z | M CAP.    | 0.1μF 100V J       |
| C1615    | NRSA02J-0R0X | MG R      | 0.0Ω 1/10W J       |
| C1616    | QENC1HM-474Z | BP E CAP. | 0.47μF 50V M       |
| C1617    | QETN1EM-476Z | E CAP.    | 47μF 25V M         |
| C1618    | QETN1CM-107Z | E CAP.    | 100μF 16V M        |
| C1619    | QETN1CM-477Z | E CAP.    | 470μF 16V M        |
| C1620    | NCB21HK-104X | CHIP CAP. | 0.1μF 50V K        |
| C1621    | NRSA02J-0R0X | MG R      | 0.0Ω 1/10W J       |
| C1622    | QENC1HM-474Z | BP E CAP. | 0.47μF 50V M       |

△ Symbol No. Part No. Part Name Description

## CAPACITOR

|          |              |           |                |
|----------|--------------|-----------|----------------|
| C1623    | QETN1EM-476Z | E CAP.    | 47μF 25V M     |
| C1624    | QETN1CM-107Z | E CAP.    | 100μF 16V M    |
| C1625    | QETN1CM-477Z | E CAP.    | 470μF 16V M    |
| C1626    | NCB21HK-104X | CHIP CAP. | 0.1μF 50V K    |
| C1627    | QETN1CM-477Z | E CAP.    | 470μF 16V M    |
| C1651    | NCB21HK-103X | C CAP.    | 0.01μF 50V K   |
| C1652    | QETN1CM-107Z | E CAP.    | 100μF 16V M    |
| C1653    | QETN1EM-476Z | E CAP.    | 47μF 25V M     |
| C1654    | NCB21HK-104X | CHIP CAP. | 0.1μF 50V K    |
| C1655    | QENC1HM-475Z | BP E CAP. | 4.7μF 50V M    |
| C1656    | QENC1HM-105Z | BP E CAP. | 1μF 50V M      |
| C1657    | QETN1HM-225Z | E CAP.    | 2.2μF 50V M    |
| C1658    | NCB21HK-473X | C CAP.    | 0.047μF 50V K  |
| C1659    | QETN1HM-474Z | E CAP.    | 0.47μF 50V M   |
| C1660-61 | NCB21HK-104X | CHIP CAP. | 0.1μF 50V K    |
| C1662    | QBTC1CK-335Z | TAN. CAP. | 3.3μF 16V K    |
| C1663    | QETN1HM-105Z | E CAP.    | 1μF 50V M      |
| C1664    | QBTC1CK-106Z | TAN. CAP. | 10μF 16V K     |
| C1665-66 | QETN1HM-105Z | E CAP.    | 1μF 50V M      |
| C1667    | QETN1HM-336Z | E CAP.    | 33μF 50V M     |
| C1668    | QETN1HM-105Z | E CAP.    | 1μF 50V M      |
| C1671    | QETN1HM-225Z | E CAP.    | 2.2μF 50V M    |
| C1672    | NCB21HK-222X | C CAP.    | 2200pF 50V K   |
| C1673    | NCB21HK-104X | CHIP CAP. | 0.1μF 50V K    |
| C1674    | QETN1HM-225Z | E CAP.    | 2.2μF 50V M    |
| C1675    | NCB21HK-222X | C CAP.    | 2200pF 50V K   |
| C1676    | NCB21HK-104X | CHIP CAP. | 0.1μF 50V K    |
| C1679    | QETN1HM-105Z | E CAP.    | 1μF 50V M      |
| C1685-86 | QETN1HM-106Z | E CAP.    | 10μF 50V M     |
| C1687-88 | NCB21HK-472X | C CAP.    | 4700pF 50V K   |
| C1701    | NDC21HJ-560X | C CAP.    | 560pF 50V J    |
| C1703    | NCB21HK-102X | C CAP.    | 1000pF 50V K   |
| C1704    | NCB21HK-103X | C CAP.    | 0.01μF 50V K   |
| C1705    | NDC21HJ-151X | C CAP.    | 150pF 50V J    |
| C1706    | NCB21HK-104X | CHIP CAP. | 0.1μF 50V K    |
| C1707    | QETN1HM-105Z | E CAP.    | 1μF 50V M      |
| C1708    | NCS21HJ-221X | C CAP.    | 220pF 50V J    |
| C1709    | NCS21HJ-102X | C CAP.    | 1000pF 50V J   |
| C1710    | NDC21HJ-681X | C CAP.    | 680pF 50V J    |
| C1711    | QETN1HM-474Z | E CAP.    | 0.47μF 50V M   |
| C1712    | NCB21HK-102X | C CAP.    | 1000pF 50V K   |
| C1714    | NCB21HK-103X | C CAP.    | 0.01μF 50V K   |
| C1716    | QETN1EM-476Z | E CAP.    | 47μF 25V M     |
| C1717    | NCB21HK-104X | CHIP CAP. | 0.1μF 50V K    |
| C1718    | NCB21HK-103X | C CAP.    | 0.01μF 50V K   |
| C1719-20 | QETN1CM-107Z | E CAP.    | 100μF 16V M    |
| C1721    | NCB21HK-104X | CHIP CAP. | 0.1μF 50V K    |
| C1722-23 | NDC21HJ-580X | C CAP.    | 5.0pF 50V J    |
| C1724    | NCB21HK-103X | C CAP.    | 0.01μF 50V K   |
| C1725    | QETN1AM-227Z | E CAP.    | 220μF 10V M    |
| C1726    | NDC21HJ-470X | C CAP.    | 47pF 50V J     |
| C1735    | NCB21HK-103X | C CAP.    | 0.01μF 50V K   |
| C1751    | QETN1EM-476Z | E CAP.    | 47μF 25V M     |
| C1801-03 | QENC1HM-474Z | BP E CAP. | 0.47μF 50V M   |
| △ C1901  | QFZ9040-104  | MF CAP.   | 0.1μFAC275V M  |
| △ C1902  | QFZ9040-473  | MF CAP.   | 0.47μFAC275V M |
| △ C1911  | QCZ9074-472  | C CAP.    | 4700pFAC125V M |
| △ C1912  | QCZ9074-472  | C CAP.    | 4700pFAC125V M |
| △ C1913  | QCZ9074-472  | C CAP.    | 4700pFAC125V M |
| △ C1914  | QEZO429-477  | E CAP.    | 470pF 200V M   |
| C1921    | QEH22CM-335Z | E CAP.    | 3.3μF 160V M   |
| C1951    | QETN1EM-227Z | E CAP.    | 220μF 25V M    |
| C1953    | QETN1EM-107Z | E CAP.    | 100μF 25V M    |
| C1954    | NCB21HK-473X | C CAP.    | 0.047μF 50V K  |
| C1956    | QETN1HM-106Z | E CAP.    | 10μF 50V M     |
| C1958    | QETN1EM-107Z | E CAP.    | 100μF 25V M    |
| C1959    | QETN1HM-226Z | E CAP.    | 22μF 50V M     |
| △ C1981  | QCZ9074-103  | C CAP.    | 0.01μFAC125V M |
| △ C1982  | QCZ9074-103  | C CAP.    | 0.01μFAC125V M |

## TRANSFORMER

|         |               |                  |
|---------|---------------|------------------|
| T1131   | QQR0907-001   | I.F. TRANSFORMER |
| T1161   | CEL1003-109J3 | S.I.F. TRANSF.   |
| △ T1521 | CE41106-00CJ1 | DRIVE TRANSF.    |

△ Symbol No. Part No. Part Name Description

## TRANSFORMER

|         |             |               |
|---------|-------------|---------------|
| △ T1522 | QQH0028-001 | H.V. TRANSF.  |
| △ T1901 | QQT0198-001 | POWER TRANSF. |

## COIL

|       |              |                |       |
|-------|--------------|----------------|-------|
| L1001 | QQL03BJ-150Z | COIL           | 15μH  |
| L1003 | QQL03BJ-5R6Z | COIL           | 5.6μH |
| L1102 | QQLZ014-R2Z  | PEAKING COIL   |       |
| L1104 | QQL03BJ-680Z | COIL           | 68μH  |
| L1131 | QQL03BJ-220Z | COIL           | 22μH  |
| L1161 | QQL03BJ-680Z | COIL           | 68μH  |
| L1162 | QQL03BJ-390Z | COIL           | 39μH  |
| L1201 | QQL03BJ-330Z | COIL           | 33μH  |
| L1391 | QQL03BJ-390Z | COIL           | 39μH  |
| L1521 | CELL004-001  | LINEARITY COIL |       |
| L1701 | QQL03BJ-4R7Z | COIL           | 4.7μH |
| L1709 | QQL03BJ-100Z | COIL           | 10μH  |

## DIODE

|          |                |              |
|----------|----------------|--------------|
| D1001    | MTZJ33B-T2     | ZENER DIODE  |
| D1002    | MTZJ5.1B-T2    | ZENER DIODE  |
| D1003-04 | MTZJ9.1C-T2    | ZENER DIODE  |
| D1201-03 | 1SS133-T2      | SI DIODE     |
| D1254    | MTZJ9.1C-T2    | ZENER DIODE  |
| D1421    | 1N4003-T2      | SI DIODE     |
| D1422    | MTZJ75-T2      | ZENER DIODE  |
| D1423    | 1SS133-T2      | SI DIODE     |
| D1501    | MTZJ9.1C-T2    | ZENER DIODE  |
| D1511    | MTZJ3.3A-T2    | ZENER DIODE  |
| D1541    | RGP10J-5025-T3 | SI DIODE     |
| D1542    | 1SR35-400A-T2  | SI DIODE     |
| D1543-44 | RGP10J-5025-T3 | SI DIODE     |
| D1561    | 1SS81-T2       | SI DIODE     |
| △ D1562  | MA4068N/Z1/-T2 | ZENER DIODE  |
| D1563    | 1SS133-T2      | SI DIODE     |
| △ D1581  | RH15-T3        | SI DIODE     |
| D1582    | RGP10J-5025-T3 | SI DIODE     |
| D1583    | MTZJ9.1C-T2    | ZENER DIODE  |
| D1601-02 | 1SS133-T2      | SI DIODE     |
| D1651-52 | MTZJ9.1C-T2    | ZENER DIODE  |
| D1659-60 | MTZJ9.1C-T2    | ZENER DIODE  |
| D1704-07 | 1SS133-T2      | SI DIODE     |
| D1711    | 1SS133-T2      | SI DIODE     |
| D1717-18 | MTZJ9.1C-T2    | ZENER DIODE  |
| D1751    | SLR-342VR3F    | L.E.D.       |
| D1804    | MTZJ5.1B-T2    | ZENER DIODE  |
| D1805    | 1SS133-T2      | SI DIODE     |
| △ D1911  | D35B60         | BRIDGE DIODE |
| D1941-44 | 1SR35-400A-T2  | SI DIODE     |
| D1951    | MTZJ12C-T2     | ZENER DIODE  |
| D1953    | 1SR35-400A-T2  | SI DIODE     |
| D1957-58 | 1SS133-T2      | SI DIODE     |

## TRANSISTOR

|          |                |                  |
|----------|----------------|------------------|
| Q1101    | 2SC5083/L-P/-T | SI TRANSISTOR    |
| Q1131-32 | 2SC2412K/QR/-X | SI TRANSISTOR    |
| Q1161    | 2SC2412K/QR/-X | SI TRANSISTOR    |
| Q1201-03 | 2SC2412K/QR/-X | SI TRANSISTOR    |
| Q1261    | 2SC2412K/QR/-X | SI TRANSISTOR    |
| Q1271    | 2SC2412K/QR/-X | SI TRANSISTOR    |
| Q1361    | 2SC2412K/QR/-X | SI TRANSISTOR    |
| Q1371-73 | 2SC4544-LB     | SI TRANSISTOR    |
| Q1521    | 2SC2655/Y/-T   | SI TRANSISTOR    |
| △ Q1522  | 2SD2499-LB     | SI TRANSISTOR    |
| Q1561    | 2SC2785/JH/-T  | SI TRANSISTOR    |
| Q1562    | 2SA933AS/QR/-T | SI TRANSISTOR    |
| Q1602    | DTC323TK-X     | DIGI. TRANSISTOR |
| Q1701-03 | 2SC2412K/QR/-X | SI TRANSISTOR    |
| Q1704    | DTC323TK-X     | DIGI. TRANSISTOR |
| Q1951    | 2SC2412K/QR/-X | SI TRANSISTOR    |
| Q1952    | 2SA966/OY/-T   | SI TRANSISTOR    |
| Q1953    | 2SC2412K/QR/-X | SI TRANSISTOR    |

H. OUT

| △ Symbol No.  | Part No.       | Part Name       | Description     |
|---------------|----------------|-----------------|-----------------|
| <b>IC</b>     |                |                 |                 |
| IC1201        | TA1242N        | I.C. (MONO-ANA) |                 |
| IC1251        | BA7612N        | I.C. (MONO-ANA) |                 |
| △ IC1421      | LA7832         | I.C. (MONO-ANA) |                 |
| IC1541        | AN7809F        | I.C. (MONO-ANA) |                 |
| △ IC1602      | LA4446         | I.C. (MONO-ANA) |                 |
| IC1651        | UPC1851BCU     | I.C. (MONO-ANA) |                 |
| IC1701        | M37272MA-050SP | IC              |                 |
| IC1702        | AT24C02-C20110 | I.C.            | (SERVICE)       |
| IC1703        | L78LR05E-MA    | I.C. (MONO-ANA) |                 |
| IC1751        | GP1U281Q       | IFR DETECT UNIT |                 |
| △ IC1921      | STR30134       | I.C. (H)        |                 |
| IC1951        | TA78L009AP-T   | I.C. (MONO-ANA) |                 |
| <b>OTHERS</b> |                |                 |                 |
| CF1001        | LC30190-001B-A | LED HOLDER      |                 |
| CF1131        | QAX0349-001    | CERAMIC FILTER  |                 |
| CF1161        | CE41505-001    | CERAMIC FILTER  |                 |
| CF1501        | SF5H4.5MCB     | CERAMIC FILTER  |                 |
| CF1701        | CS8503F30-T2   | CER. RESONATOR  |                 |
| CF1702        | CST8.00MTW     | CER. RESONATOR  |                 |
| CL1001        | QAX0428-001    | CER. RESONATOR  |                 |
|               | QZW0028-002    | WIRE CLAMP      |                 |
| △ CL1002-03   | QZW0028-001    | WIRE CLAMP      |                 |
| △ CN10PW      | QMPD200-200-JC | POWER CORD      | (Charcoal type) |
| △ F1901       | QMF0007-6R3J1  | FUSE            | 6.3A            |
| △ F1902       | QMF0007-1R25J1 | FUSE            | 1.25A           |
| FC1901        | CEMG002-001Z   | FUSE CLIP       | (x2)            |
| FC1902        | CEMG002-001Z   | FUSE CLIP       | (x4)            |
| △ FR1720      | QRZ9017-820    | F R             | 82 Ω 1/4W J     |
| J1003         | QNN0182-001    | PIN JACK        |                 |
| K1701         | QQR0582-001Z   | BEADS CORE      |                 |
| △ LF1901      | QQR0864-002    | LINE FILTER     |                 |
| △ RY1901      | QSK0083-001    | RELAY           |                 |
| S1751         | QSW0619-003Z   | PUSH SWITCH     | MENU            |
| S1752         | QSW0619-003Z   | PUSH SWITCH     | CH-             |
| S1753         | QSW0619-003Z   | PUSH SWITCH     | CH+             |
| S1754         | QSW0619-003Z   | PUSH SWITCH     | VOL-            |
| S1755         | QSW0619-003Z   | PUSH SWITCH     | VOL+            |
| △ S1756       | QSW0619-003Z   | PUSH SWITCH     | POWER           |
| SF1101        | CE42589-201    | SAW FILTER      |                 |
| SK1371        | CE42535-001J1  | C. R. T. SOCKET |                 |
| △ TH1901      | CEKP007-002    | P. THERMISTOR   |                 |
| △ TU1001      | QAU0069-001    | TUNER           |                 |
| △ VA1901      | ERZV10V361CS   | VARISTOR        |                 |
| W1019         | NRSA02J-OROX   | MG R            | 0.0Ω 1/10W J    |
| W1053-54      | NRSA02J-OROX   | MG R            | 0.0Ω 1/10W J    |
| W1061-64      | NRSA02J-OROX   | MG R            | 0.0Ω 1/10W J    |
| W1066-68      | NRSA02J-OROX   | MG R            | 0.0Ω 1/10W J    |
| W1071-72      | NRSA02J-OROX   | MG R            | 0.0Ω 1/10W J    |
| W1082-83      | NRSA02J-OROX   | MG R            | 0.0Ω 1/10W J    |
| W1109         | NRSA02J-OROX   | MG R            | 0.0Ω 1/10W J    |
| W1117         | NRSA02J-OROX   | MG R            | 0.0Ω 1/10W J    |
| W1121         | NRSA02J-OROX   | MG R            | 0.0Ω 1/10W J    |
| W1182         | NRSA02J-OROX   | MG R            | 0.0Ω 1/10W J    |
| W1184         | NRSA02J-OROX   | MG R            | 0.0Ω 1/10W J    |
| W1245-47      | NRSA02J-OROX   | MG R            | 0.0Ω 1/10W J    |
| W1304-12      | NRSA02J-OROX   | MG R            | 0.0Ω 1/10W J    |
| W1323-24      | NRSA02J-OROX   | MG R            | 0.0Ω 1/10W J    |
| X1301         | QAX0310-001Z   | CRYSTAL         |                 |
| Y1170-71      | NRSA02J-OROX   | MG R            | 0.0Ω 1/10W J    |
| Y1271-72      | NRSA02J-OROX   | MG R            | 0.0Ω 1/10W J    |
| Y1541         | NRSA02J-OROX   | MG R            | 0.0Ω 1/10W J    |

# PACKING PARTS LIST

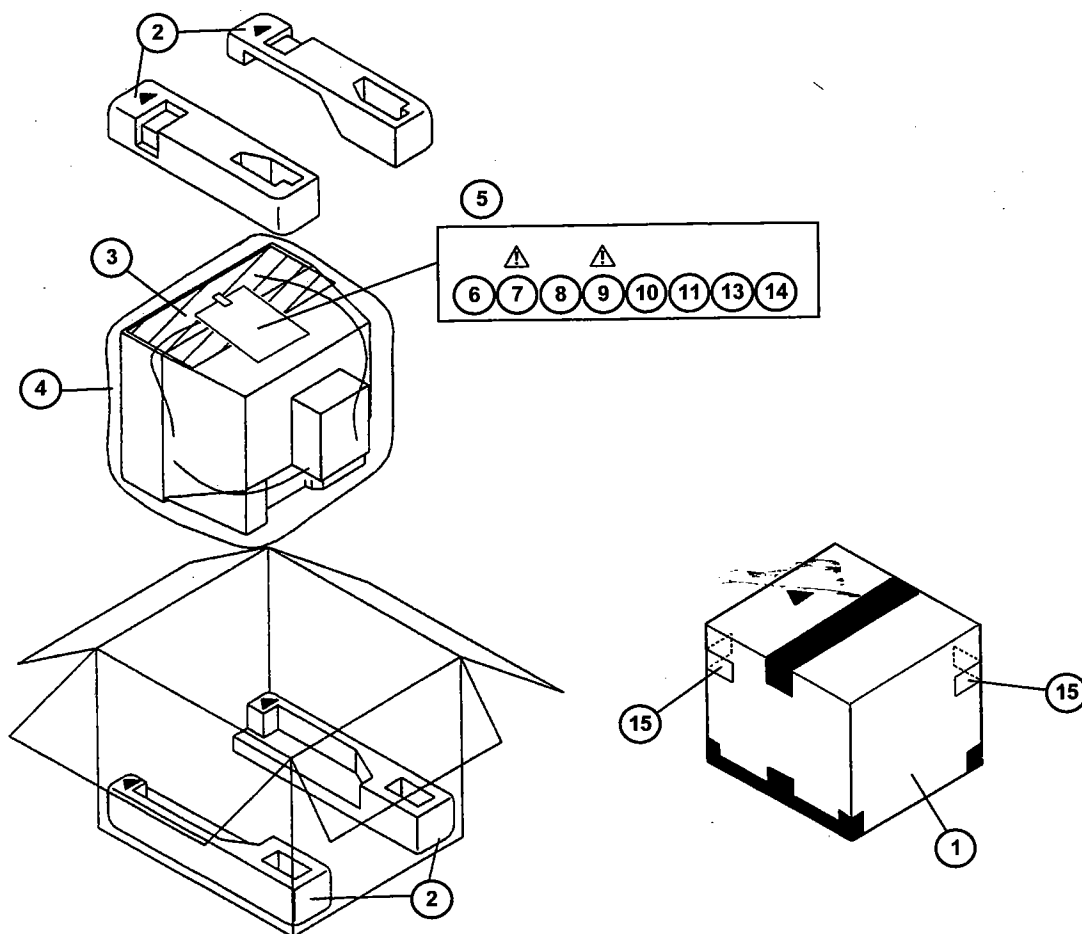
## [AV-27115(US&CA)]

| △ Ref.No.              | Part No.       | Part Name       | Description  |
|------------------------|----------------|-----------------|--------------|
| <b>[America model]</b> |                |                 |              |
| 1                      | CP11499-B15-A  | PACKING CASE    | 4pcs in 1set |
| 2                      | LC10083-002A-A | CUSHION ASSY    |              |
| 3                      | CP30055-001-A  | TOP COVER       |              |
| 4                      | CP30056-008-A  | POLY BAG        |              |
| 5                      | QPA02503505    | POLY BAG        |              |
| 6                      | RM-C205-1C     | REMOCON UNIT    | [ENGLISH]    |
| △ 7                    | LCT0604-001A-A | INST.BOOK       |              |
| 8                      | BT-51006-1Q    | REGI.CARD       |              |
| 13                     | LCT0605-001A-A | SET-UP GUIDE    | [ENGLISH]    |
| 15                     | CM36616-001-A  | CORNER LABEL    | 2pcs in 1set |
| <b>[Canada model]</b>  |                |                 |              |
| 1                      | CP11499-B15-A  | PACKING CASE    | 4pcs in 1set |
| 2                      | LC10083-002A-A | CUSHION ASSY    |              |
| 3                      | CP30055-001-A  | TOP COVER       |              |
| 4                      | CP30056-008-A  | POLY BAG        |              |
| 5                      | QPA02503505    | POLY BAG        |              |
| 6                      | RM-C205-1C     | REMOCON UNIT    | [ENGLISH]    |
| △ 7                    | LCT0604-001A-A | INST.BOOK       |              |
| △ 9                    | LCT0606-001A-A | INST.BOOK       | [FRENCH]     |
| 10                     | BT-20071B-Q    | SVC CENTER LIST | [ENGLISH]    |
| 11                     | BT-52004-1Q    | WARRANTY CARD   |              |
| 13                     | LCT0605-001A-A | SET-UP GUIDE    |              |
| 14                     | LCT0607-001A-A | SET-UP GUIDE    |              |
| 15                     | CM36616-A02-A  | CORNER LABEL    | 2pcs in 1set |

## [AV-27115(A US&A CA)]

| △ Ref.No.              | Part No.       | Part Name       | Description  |
|------------------------|----------------|-----------------|--------------|
| <b>[America model]</b> |                |                 |              |
| 1                      | CP11499-B15-A  | PACKING CASE    | 4pcs in 1set |
| 2                      | LC10083-002A-A | CUSHION ASSY    |              |
| 3                      | CP30055-001-A  | TOP COVER       |              |
| 4                      | CP30056-008-A  | POLY BAG        |              |
| 5                      | QPA02503505    | POLY BAG        |              |
| 6                      | RM-C205-1C     | REMOCON UNIT    | [ENGLISH]    |
| △ 7                    | LCT0604-001A-A | INST.BOOK       |              |
| 8                      | BT-51006-1Q    | REGI.CARD       |              |
| 13                     | LCT0605-001A-A | SET-UP GUIDE    | [ENGLISH]    |
| 15                     | CM36616-001-A  | CORNER LABEL    | 2pcs in 1set |
| <b>[Canada model]</b>  |                |                 |              |
| 1                      | CP11499-B15-A  | PACKING CASE    | 4pcs in 1set |
| 2                      | LC10083-002A-A | CUSHION ASSY    |              |
| 3                      | CP30055-001-A  | TOP COVER       |              |
| 4                      | CP30056-008-A  | POLY BAG        |              |
| 5                      | QPA02503505    | POLY BAG        |              |
| 6                      | RM-C205-1C     | REMOCON UNIT    | [ENGLISH]    |
| △ 7                    | LCT0604-001A-A | INST.BOOK       |              |
| △ 9                    | LCT0606-001A-A | INST.BOOK       | [FRENCH]     |
| 10                     | BT-20071B-Q    | SVC CENTER LIST | [ENGLISH]    |
| 11                     | BT-52004-1Q    | WARRANTY CARD   |              |
| 13                     | LCT0605-001A-A | SET-UP GUIDE    |              |
| 14                     | LCT0607-001A-A | SET-UP GUIDE    |              |
| 15                     | CM36616-A02-A  | CORNER LABEL    | 2pcs in 1set |

# PACKING



## REMOTE CONTROL UNIT PARTS LIST (RM-C205-1C)

| △ Ref.No.                               | Part No.  | Part Name     | Description  |
|-----------------------------------------|-----------|---------------|--------------|
| [AV-27115(US&CA) / AV-27115(A US&A CA)] |           |               |              |
|                                         | 511A24001 | BATTERY COVER | (RM-C205-1C) |

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