

POWER SAVING FUNCTION

This monitor meets the power saving guidelines set by the EPA Energy Star Program as well as the more stringent TC092 guidelines (NUTEK). It is capable of reduced power consumption when used with a computer equipped with Display Power Management Signaling(DPMS). By sensing the absence of the sync signal coming from the computer, it will reduce the power consumption as follows:

CAUTION: The Power Saving function will automatically put the monitor into Active-off state if the power switch is turned on without any video signal input. Once the horizontal and vertical syncs are sensed, the monitor will automatically return to its Normal operation state.

	State	Power consumption	Required resumption time	Power indicator	POWER SAVING indicator
1	Normal operation	100%	—————	green on	off
2	Suspend (1st step of power saving)	approx. 10%	approx. 3 sec.	green on	orange on
3	Active-off (2nd step of power saving)	approx. 7%	approx. 10 sec.	off	orange on

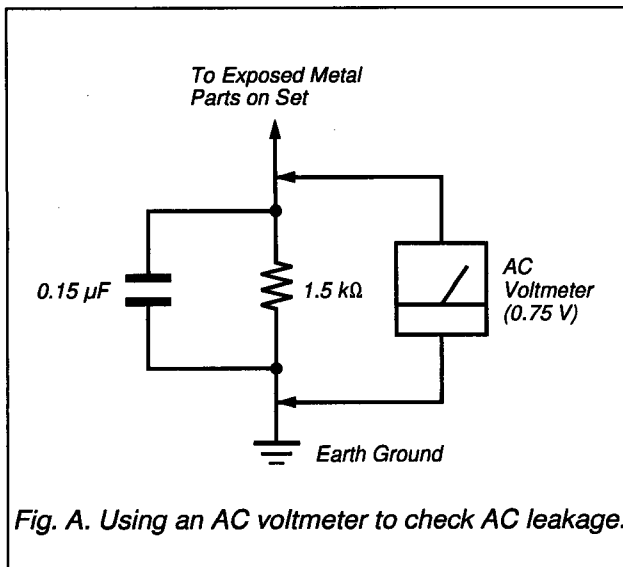
TIMING SPECIFICATION

Mode	1	2	3	4	5	6
Resolution(H x V)	640 x 480	800 x 600	832 x 624	1024 x 768	1024 x 768	1280 x 1024
Dot Clock(MHz)	25.175	49.500	57.283	65.000	78.750	110.000
Horizontal						
Hor. freq. (kHz)	31.469	46.875	49.725	48.363	60.024	63.953
H-total	31.778	21.333	20.111	20.677	16.660	15.636
H-Front porch	0.636	0.323	0.559	0.369	0.203	0.727
H-Sync width	3.813	1.616	1.117	2.092	1.219	1.018
H-Back porch	1.907	3.232	3.910	2.462	2.235	2.255
H-blanking	6.356	5.172	5.586	4.923	3.657	4.000
H-Active (µsec)	25.422	16.162	14.524	15.754	13.003	11.636
Vertical						
Ver. freq. (Hz)	59.940	75.000	74.550	60.004	75.030	59.938
V-total	525	625	667	806	800	1067
V-Front porch	10	1	1	3	1	1
V-Sync. width	2	3	3	6	3	5
V-Back porch	33	21	39	29	28	37
V-blanking	45	25	43	38	32	43
V-Active (Lines)	480	600	624	768	768	1024
Sync.	External	External	External	External	External	External
H-Polarity	(-)	(+)	(-)	(-)	(+)	(-)
V-Polarity	(-)	(+)	(-)	(-)	(+)	(-)
Scanning mode	Non-Interlace	Non-Interlace	Non-Interlace	Non-Interlace	Non-Interlace	Non-Interlace

SAFETY CHECK-OUT (US Model only)

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

1. Check the area of your repair for unsoldered or poorly-soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors.
3. Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators.
4. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
5. Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
6. Check the line cords for cracks and abrasion. Recommend the replacement of any such line cord to the customer.
7. Check the B+ and HV to see if they are specified values. Make sure your instruments are accurate; be suspicious of your HV meter if sets always have low HV.
8. Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC Leakage. Check leakage as described below.



LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOMs that are suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

WARNING!!

NEVER TURN ON THE POWER IN A CONDITION IN WHICH THE DEGAUSS COIL HAS BEEN REMOVED.

SAFETY-RELATED COMPONENT WARNING!!
COMPONENTS IDENTIFIED BY SHADING AND MARK Δ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL FOR SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL FOR SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

AVERTISSEMENT!!

NE JAMAIS METTRE SOUS TENSION QUAND LA BOBINE DE DEMAGNETISATION EST ENLEVEE.

ATTENTION AUX COMPOSANTS RELATIFS À LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET PAR UNE MARQUE Δ SUR LES SCHÉMAS DE PRINCIPE, LES VUES EXPLOSÉES ET LES LISTES DE PIÈCES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÉRO DE PIÈCE EST INDIQUÉ DANS LE PRÉSENT MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY. LES RÉGLAGES DE CIRCUIT DONT L'IMPORTANCE EST CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT SONT IDENTIFIÉS DANS LE PRÉSENT MANUEL. SUIVRE CES PROCÉDURES LORS DE CHAQUE REMPLACEMENT DE COMPOSANTS CRITIQUES, OU LORSQU'UN MAUVAIS FONCTIONNEMENT EST SUSPECTÉ.

TABLE OF CONTENTS

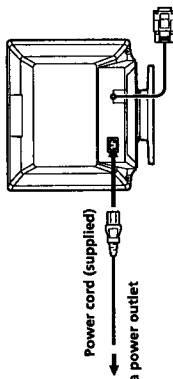
<u>Section</u>	<u>Title</u>	<u>Page</u>
1.	GENERAL	5
2.	DISASSEMBLY	
2-1.	Cabinet Removal	7
2-2.	Service Position	7
2-3.	D Board Removal	7
2-4.	Picture Tube Removal	8
3.	SAFETY RELATED ADJUSTMENT.....	9
4.	ADJUSTMENTS	10
5.	DIAGRAMS	
5-1.	Block Diagram (with Frame Schematic Diagram)	13
5-2.	Circuit Boards Location	16
5-3.	Schematic Diagrams and Printed Wiring Boards ...	16
	(1) Schematic Diagram of D Board	17
	(2) Schematic Diagram of A Board	23
5-4.	Semiconductors	26
6.	EXPLODED VIEWS	
6-1.	Chassis	27
6-2.	Packing Materials	28
7.	ELECTRICAL PARTS LIST	29

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

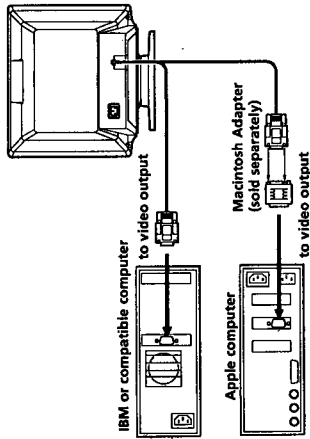
Getting Started

Before using this monitor, please make sure that the following items are included in your package: Multiscan 15sfl/17sfl monitor (1), power cord (1), warranty card (1) and this operating instruction manual (1). This monitor will sync with any IBM or compatible system equipped with VGA or greater graphics capability. Although this monitor will sync to other platforms running at horizontal frequencies between 31 and 65 kHz, including Macintosh and Power Macintosh system, a cable adaptor is required. Please consult your dealer for advice on which adaptor is suitable for your needs.

Step 1: With the monitor switched off, attach the power cord to the monitor and the other end to a power outlet.



Step 2: With the computer switched off, attach the video signal cable to the video output.



Step 3: Turn on the monitor and computer.

Step 4: If necessary, adjust the user controls according to your personal preference.

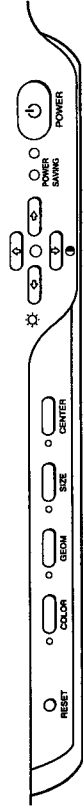
The installation of your Multiscan 15sfl/17sfl is complete. Enjoy your monitor.

SECTION 1 GENERAL

Using Your Monitor Adjustments

When one of the preset-type signals is input, no picture adjustment is necessary. You can, however, adjust the picture to your preferences by following the procedure described below. You can adjust the all items on the OSD (On Screen Display).

Control Panel

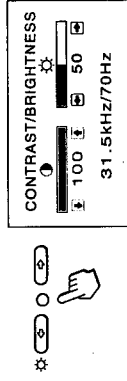


- Before adjusting the items, turn on the unit and feed the video signal from the connected computer/work station.
- When the limit value is reached, the POWER SAVING indicator will begin to flash.
- Adjustments will be stored automatically.

Adjusting the Picture Brightness

The adjustment data becomes the common setting for all input signal.

- Press the \leftarrow/\rightarrow button. The "CONTRAST/BRIGHTNESS" OSD appears.



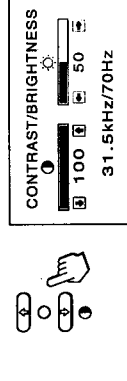
- Press the \uparrow/\downarrow buttons to adjust picture brightness.
 - ... for less brightness
 - ... for more brightness

The "CONTRAST/BRIGHTNESS" OSD disappears 2 seconds after you release the buttons.

Adjusting the Picture Contrast

The adjustment data becomes the common setting for all input signal.

- Press the \uparrow/\downarrow button. The "CONTRAST/BRIGHTNESS" OSD appears.



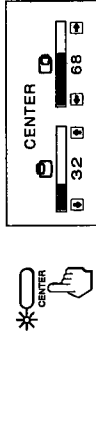
- Press the \leftarrow/\rightarrow buttons to adjust picture contrast.
 - ... for more contrast
 - ... for less contrast

The "CONTRAST/BRIGHTNESS" OSD disappears 2 seconds after you release the buttons.

Adjusting the Picture Centering

The adjustment data becomes the unique setting for the input signal received.

- Press the CENTER button. The "CENTER" OSD appears.



- For vertical adjustment Press the \uparrow/\downarrow buttons.



↑ ... to move up
↓ ... to move down

For horizontal adjustment Press the \leftarrow/\rightarrow buttons.



← ... to move left
→ ... to move right

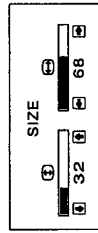
To erase the "CENTER" OSD, press the CENTER button again. The "CENTER" OSD automatically disappears 20 seconds after you release the buttons.

Adjustments

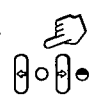
Adjusting the Picture Size

The adjustment data becomes the unique setting for the input signal received.

- 1 Press the **SIZE** button. The "SIZE" OSD appears.



- 2 For vertical adjustment Press the **↑/↓** buttons.



↑ ... to enlarge
↓ ... to diminish

For horizontal adjustment Press the **←/→** buttons.



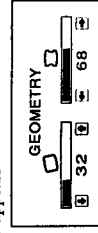
← ... to diminish
→ ... to enlarge

To erase the "SIZE" OSD, press the **SIZE** button again. The "SIZE" OSD automatically disappears 20 seconds after you release the buttons.

Adjusting the Picture Rotation

The adjustment data becomes the common setting for all input signals.

- 1 Press the **GEOM** button. The "GEOMETRY" OSD appears.



- 2 Press the **↻** buttons. ↑ ... to rotate clockwise
↓ ... to rotate counterclockwise

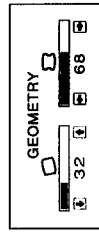


To erase the "GEOMETRY" OSD, press the **GEOM** button again. The "GEOMETRY" OSD automatically disappears 20 seconds after you release the buttons.

Adjusting the Pincushion

The adjustment data becomes the unique setting for the input signal received.

- 1 Press the **GEOM** button. The "GEOMETRY" OSD appears.



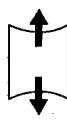
- 2 Press the **↻** buttons.



← ... to diminish the picture sides



→ ... to expand the picture sides



To erase the "GEOMETRY" OSD, press the **GEOM** button again. The "GEOMETRY" OSD automatically disappears 20 seconds after you release the buttons.

Entering New Timings

When using a video mode that is not one of the 6 factory preset modes, some fine tuning may be required to optimize the display to your preferences. Simply adjust the monitor according to the preceding adjustment instructions. The adjustments will be stored automatically and recalled whenever that mode is used.

A total of 10 user-defined modes can be stored in memory. If the 11th mode is entered, it will replace the first.

Power Saving Function

This monitor meets the power saving guidelines set by the EPA Energy Star Program as well as the more stringent NUTEK 803299 (TCC092) guidelines. It is capable of reduced power consumption when used with a computer equipped with Display Power Management Signaling (DPMS). By sensing the absence of the sync signal coming from the computer, it will reduce the power consumption as follows:

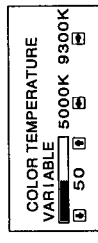
CAUTION: The Power Saving function will automatically put the monitor into Active-off state if the power switch is turned on without any video signal input. Once the horizontal and vertical syncs are sensed, the monitor will automatically return to its Normal operation state.

State	Power consumption	Required resumption time	Power SAVING indicator
1 Normal operation	100%	—	green on
2 Suspend (1st step of power saving)	approx. 10%	approx. 3 sec.	green on
3 Active-off (2nd step of power saving)	CFD-15SF2: approx. 7% CFD-17SF2: approx. 6%	approx. 10 sec.	off

Setting the color temperature

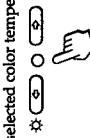
The selected color temperature becomes the common setting for all input signals.

- 1 Press the **COLOR** button. The "COLOR TEMPERATURE" OSD appears.



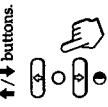
- 2 Adjust with the **←/→** and **↻** buttons.

To select 5000K or 9300K Press **↻** buttons. The selected color temperature is indicated in yellow.



← ... to select 5000K
→ ... to select 9300K

To obtain the desired color temperature between 5000K and 9300K Press **↻** buttons.



↻ ... for higher temperature
↻ ... for lower temperature

Your most recent adjusted color temperature will be recalled by pressing **↻** button.

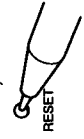
The factory presetting is 6500K for the user adjustable color temperature.

To erase the "COLOR TEMPERATURE" OSD, press the **COLOR** button again.

The "COLOR TEMPERATURE" OSD automatically disappears 20 seconds after you release the buttons.

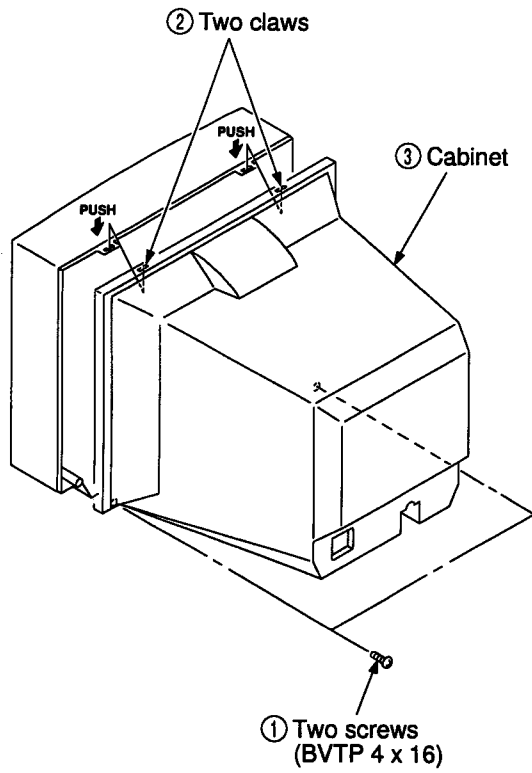
Resetting

- Press the **RESET** button to recall the factory settings for brightness, contrast, horizontal and vertical size, center and pincushion for the mode currently in use.
- Press and hold the **RESET** button for 2 seconds to recall factory setting for all adjustments in all modes.

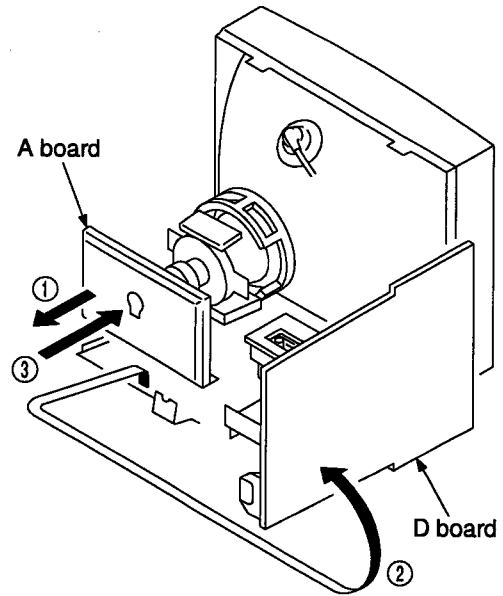


SECTION 2 DISASSEMBLY

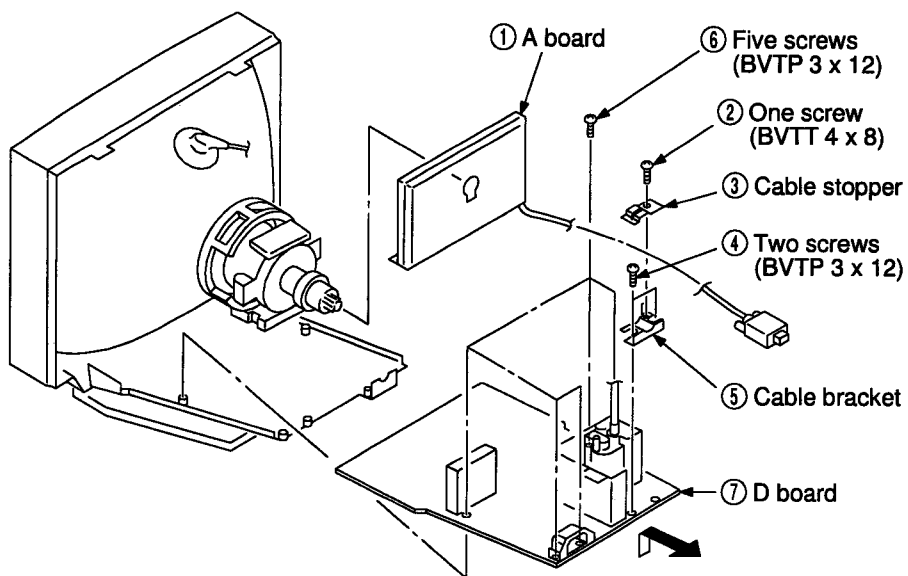
2-1. CABINET REMOVAL



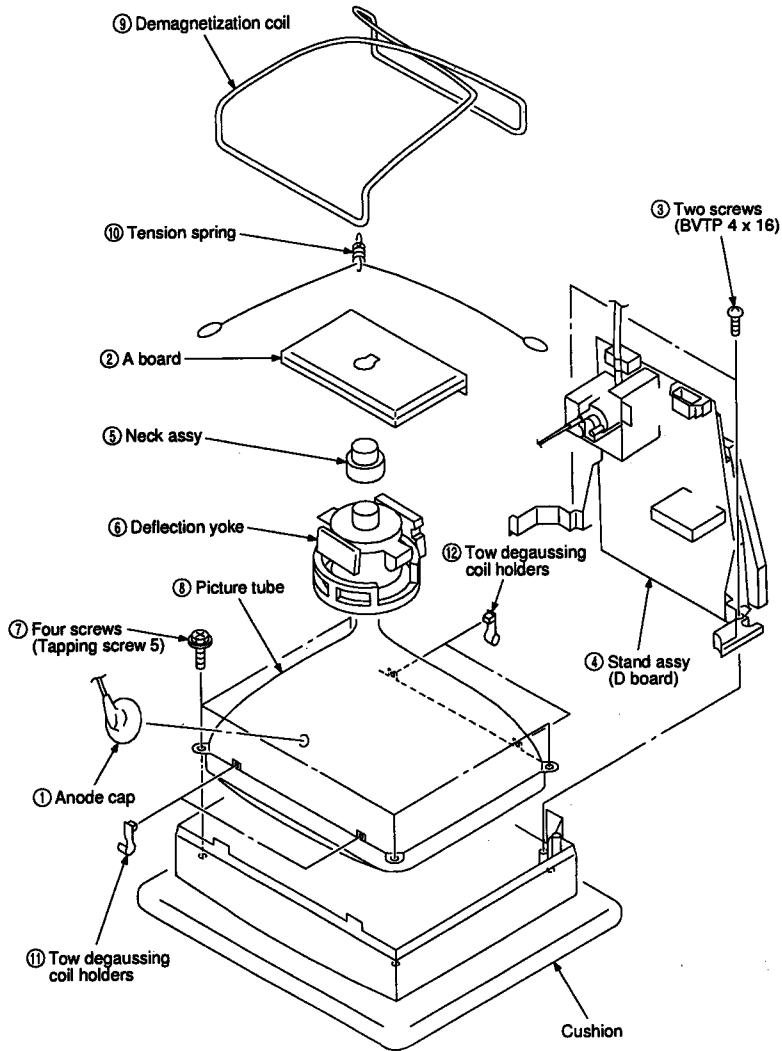
2-2. SERVICE POSITION



2-3. D BOARD REMOVAL



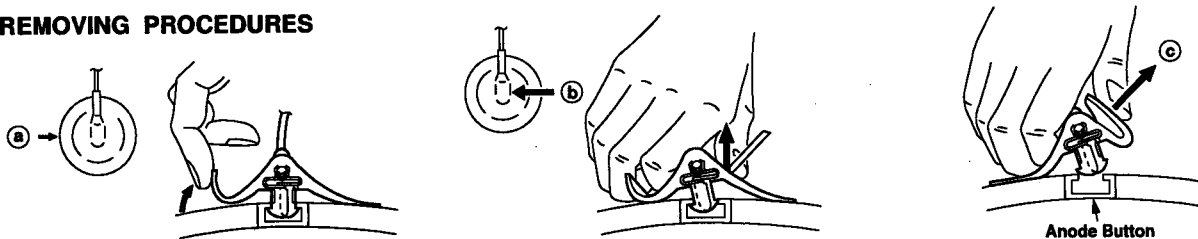
2-4. PICTURE TUBE REMOVAL



• REMOVAL OF ANODE-CAP

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

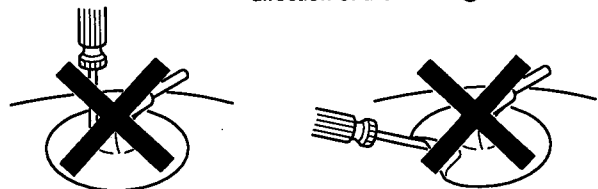
• REMOVING PROCEDURES



- ① Turn up one side of the rubber cap in the direction indicated by the arrow ①.
- ② Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow ②.
- ③ When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling up it in the direction of the arrow ③.

• HOW TO HANDLE AN ANODE-CAP

- ① Don't hurt the surface of anode-caps with sharp shaped material!
- ② Don't press the rubber hardly not to hurt inside of anode-caps! A material fitting called as shatter-hook terminal is built in the rubber.
- ③ Don't turn the foot of rubber over hardly! The shatter-hook terminal will stick out or hurt the rubber.



SECTION 3 SAFETY RELATED ADJUSTMENT

When replacing or repairing the shown below table, the following operational checks must be performed as a safety precaution against X-rays emissions from the unit.

	Part Replaced (☒)
SCREEN	RV470

	Part Replaced (☑)
HV Regulator Circuit	D board IC501, FBT (T501), R457, R475, R487, R508, R509, R512, RV470, C509, C526, C541, C542, C580, C585
HV Hold-Down Circuit	D board IC500, IC501, D407, D515, R472, R492, R494, R496, R577, C402, C403, C404, FBT (T501) • Mounted D board
Beam Current Protector Circuit	D board IC500, IC501, D596, D597, R450, R459, R460, R498, R970, C528, C549, C938 • Mounted D board

※ Confirm one minute later turning on the power.

a) HV Regulator Check

- 1) Input white cross hatch signal. (fH = 63.9 kHz)
- 2) Minimum CONT and BRT controls.
- 3) Cut off Screen VR (G2).
- 4) Input voltage : 120 ± 2 V AC
- 5) Confirm that the voltage is within the voltage range shown below.

Standard voltage: Less than 25.5 KV

b) HV Hold-Down Check

- 1) Using an external DC Power supply, apply the voltage shown below between cathode of D407 and GND, and confirm that the HV Hold-Down circuit works. (TV Raster disappears)

Standard voltage: 31.6 ± 0.05 V DC

Check Condition

- Input voltage : 120 ± 2 V AC
- Input signal : Any pattern (fH = 63.9 kHz)
- Controls : CONT and BRT → Minimum
: Screen VR (G2) → Cutoff

c) Beam Protector Check-1 (Software logic)

- 1) Using an external DC power supply, apply the voltage 7.00 ± 0.05 VDC between pin ⑪ of FBT (T501) and GND, and confirm that the voltage of both ends C938 is with in the voltage range shown below.

Standard voltage: Less than 3.26 V DC

Check Condition

- Input voltage : 120 ± 2 V DC
- Input signal : Any pattern (fH = 63.9 kHz)
- Controls : CONT and BRT → Minimum
: Screen VR (G2) → Cutoff

d) Beam Protector Check-2 (Hardware logic)

- 1) Applying specified external DC voltage 5.00 V DC at between C938 (Side of anode) and GND.
- 2) Confirm that the beam current protector circuit is to be activated when to make short between pin ⑪ of FBT (T501) and GND.

e) +B MAX Check

- 1) Input white cross hatch (fH = 63.9 kHz) signal.
- 2) Minimum CONT and BRT controls.
- 3) Input voltage : 120 ± 2 V AC

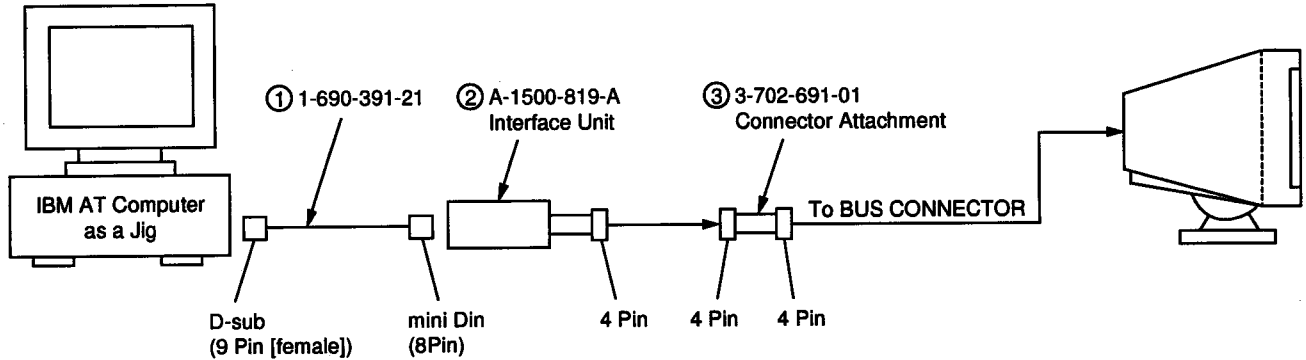
Note: Use NF power supply or make sure that distortion factor is 3% or less.

- 4) Confirm that the voltage is within the voltage range shown below.

Standard voltage : 140 ± 2 V

SECTION 4 ADJUSTMENTS

Connect the communication cable of the computer to the connector located on the D board on the monitor. Run the service software and then follow the instruction.



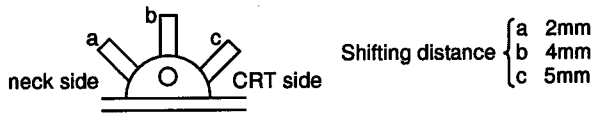
*The parts above (① ~ ③) are necessary for DAS adjustment.

● H.CENT Adjustment

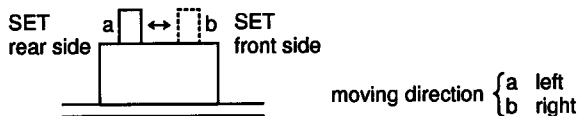
(This should be performed before Convergence Adjustment.)

1. Receive the picture with maximum frequency. (Dot signal)
2. Adjust "BRT" to "255", "H.SIZE" to "-127".
3. Set the lever switch (S500) to the CRT neck side (position "a"). Select the minimum point of right and left difference of the raster at (S501). Then fine adjust H.CENT at switch (S500).

※ Correction distance change-over : S500



※ Correction direction change-over : S501



● Landing Rough Adjustment

1. Enter the full white signal.
2. Adjust the contrast to the maximum.
3. Make the screen monogreen.
4. Reverse the DY, and adjust coarsely the purity magnet so that a green raster positions in the center of screen.
5. Moving the DY forward, adjust so that an entire screen becomes monogreen.
6. Adjust the tilt of DY, and fix lightly with a clamp.

● Landing Fine Adjustment

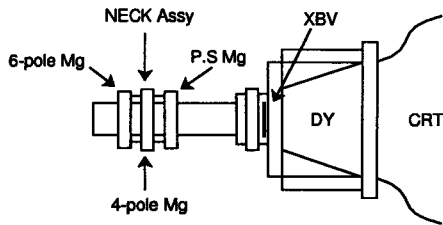
1. Place the set in the Helmholtz coil.
2. Enter a green signal only.
3. Degauss the entire screen with hand-degausser.
4. Attach a wobbling coil to the specified position of CRT neck.
5. Attach a landing adjuster sensor on the CRT.
6. Using a landing checker, adjust the DY position, purity, tilt of DY.
7. Clamp the DY screw.
Clamping torque : 22 ± 2 kgcm (2.2 ± 0.2 N·m)

● Convergence Rough Adjustment

1. Enter the white crosshatch signal.
2. Adjust roughly the horizontal and vertical convergence at four-pole magnet.
3. Adjust roughly HMC and VMC at six-pole magnet.

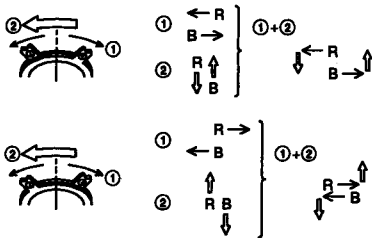
● **Convergence Fine Adjustment**

- ※ Set DY four-pole magnet to mechanical center before adjustment.
- ※ This should be prime mode.



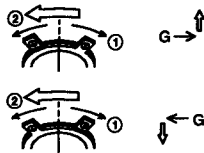
1. Receive R.B. cross-hatch.
2. Adjust H.STAT and V.STAT at four-pole magnet.

< 4 Pole Magnet >



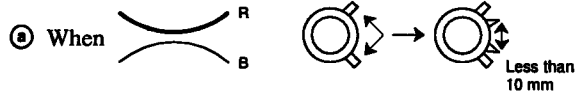
3. Receive White cross-hatch.
4. Adjust HMC and VMC at six-pole magnet.

< 6 Pole Magnet >

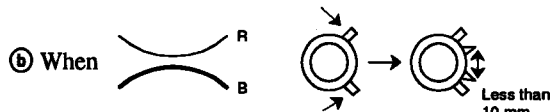


5. Receive R.B. cross-hatch.
6. Adjust XBV at DY four-pole magnet.

XBV Correction



- 1) Open DY four-pole. (Do not move H.STAT)
- 2) Re-adjust V.STAT with four-pole at NECK Ass'y.



- 1) Close DY four-pole. (Do not move H.STAT)
- 2) Re-adjust V.STAT with four-pole at NECK Ass'y.

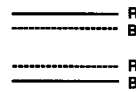
7. Repeat the above procedure so that R.G.B. will be on X. Y axis.
8. Adjust H.TILT by swinging the DY neck right and left.
9. Adjust XCV with XCV core.

XCV movement



10. Adjust V.TILT with TLV VR.

TLV movement



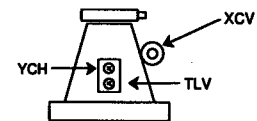
11. Adjust Y.CLOTH with YCH VR.

YCH movement



12. Paint lock the four-, six-pole Mg.

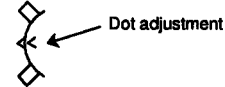
< VR Adjustment on DY >



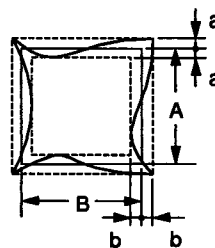
< Zero Position NECK Ass'y >



DY XBV



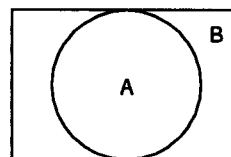
● **Vertical and Horizontal Position and Size Specification**



a < 2.5mm
b < 2.5mm

A	B
202	270

● **Convergence Specification**



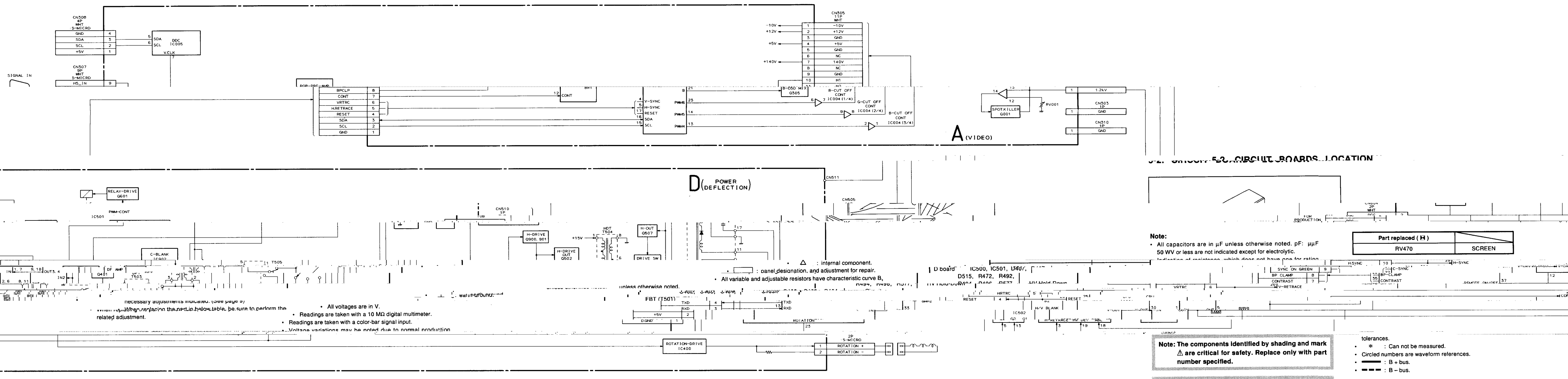
A ≤ 0.30mm
B ≤ 0.35mm

MEMO

A series of horizontal dotted lines for writing.

SECTION 5
DIAGRAMS

5-1. BLOCK DIAGRAM (with FRAME SCHEMATIC DIAGRAM)



necessary adjustments indicated (see page 4)
 necessary adjustments indicated in the following table. Be sure to perform the related adjustment.
 • All voltages are in V.
 • Readings are taken with a 10 M Ω digital multimeter.
 • Readings are taken with a color-bar signal input.
 • Voltage variations may be noted due to normal production.

Note:
 • All capacitors are in μF unless otherwise noted. pF: μF
 50 WV or less are not indicated except for electrolytic.
 Indication of resistance which does not have one for ration

Part replaced (H)	SCREEN
RV470	

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

Note: Les composants identifiés par un trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

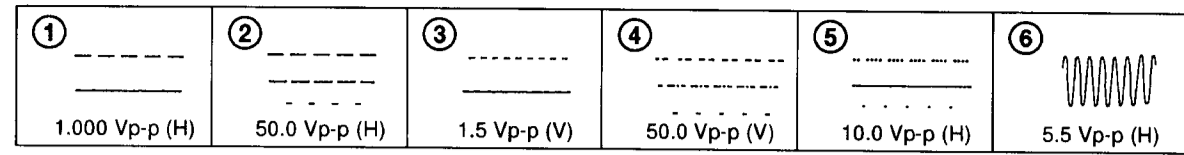
- tolerances:
 • * : Can not be measured.
 • Circled numbers are waveform references.
 • --- : B + bus.
 • - - - : B - bus.

● D BOARD

VOLTAGE LIST

Ref.	Pin No.	Voltage [V]	Ref.	Pin No.	Voltage [V]
IC400	1	1.5	2	3	3.8
	2	1.5	3	0.2	
	3	-10.7	5	8.3	
	4	1.5	10	4.2	
			11	2.3	
IC500	1	0.2	12	2.3	
	2	5.2	13	7.5	
	3	4.2	14	4.2	
	7	3.6	15	3.8	
			17	0.7	
IC501	1	6.1	21	5.4	
	2	9.2	22	2.3	
	4	6.8	23	5.3	
	5	9	25	5.3	
	6	5.6	26	8.3	
	8	7.2	27	3.7	
	9	4.7	28	3.6	
	10	5.7	29	4.7	
	11	6.1	30	3.7	
	12	6.1	31	3.8	
	13	6.1	32	3.7	
	14	6.3	33	4.7	
	15	6.1	34	0	
	16	7.9	35	0	
	17	2.6	36	2.2	
	18	4.7	37	4.0	
Q602	C-1		6	2.8	
Q603	E-2		7	2.7	
Q604	E-2				
Q605	F				
Q606	F				
Q607	F				
Q608	F				
Q609	F				
Q610	F				
Q611	F				
Q612	F				
Q613	F				
Q614	F				
Q615	F				
Q616	F				
Q617	F				
Q618	F				
Q619	F				
Q620	F				
Q621	F				
Q622	F				
Q623	F				
Q624	F				
Q625	F				
Q626	F				
Q627	F				
Q628	F				
Q629	F				
Q630	F				
Q631	F				
Q632	F				
Q633	F				
Q634	F				
Q635	F				
Q636	F				
Q637	F				
Q638	F				
Q639	F				
Q640	F				
Q641	F				
Q642	F				
Q643	F				
Q644	F				
Q645	F				
Q646	F				
Q647	F				
Q648	F				
Q649	F				
Q650	F				
Q651	F				
Q652	F				
Q653	F				
Q654	F				
Q655	F				
Q656	F				
Q657	F				
Q658	F				
Q659	F				
Q660	F				
Q661	F				
Q662	F				
Q663	F				
Q664	F				
Q665	F				
Q666	F				
Q667	F				
Q668	F				
Q669	F				
Q670	F				
Q671	F				
Q672	F				
Q673	F				
Q674	F				
Q675	F				
Q676	F				
Q677	F				
Q678	F				
Q679	F				
Q680	F				
Q681	F				
Q682	F				
Q683	F				
Q684	F				
Q685	F				
Q686	F				
Q687	F				
Q688	F				
Q689	F				
Q690	F				
Q691	F				
Q692	F				
Q693	F				
Q694	F				
Q695	F				
Q696	F				
Q697	F				
Q698	F				
Q699	F				
Q700	F				

● D BOARD WAVEFORMS



● D BOARD DIFFERENCE LIST (* MARK)

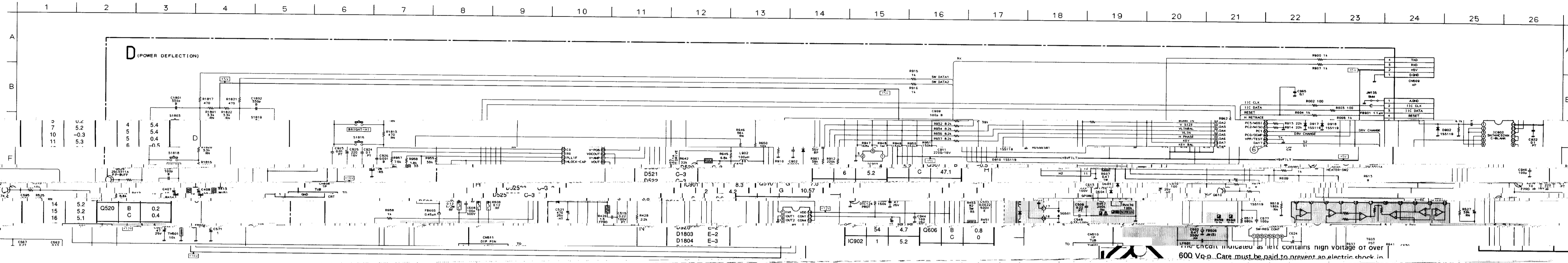
Ref. No.	CPD-15SF2	CPD-15SF2T
R627	-	100Ω
C623	-	0.01μF 50V

● D BOARD SEMICONDUCTOR LOCATION

IC	
IC400	E-4
IC500	D-3
IC501	D-4
IC502	C-3
IC504	D-3
IC601	B-2
IC602	C-2
IC801	D-1
IC802	C-2
IC803	E-1
IC804	D-2
IC805	D-3
IC808	D-3

TRANSISTOR	
Q401	C-4
Q402	C-4
Q403	C-4
Q501	C-3
Q502	C-2
Q503	A-2
Q507	B-3
Q510	B-3
Q512	C-3
Q513	C-3
Q514	C-3

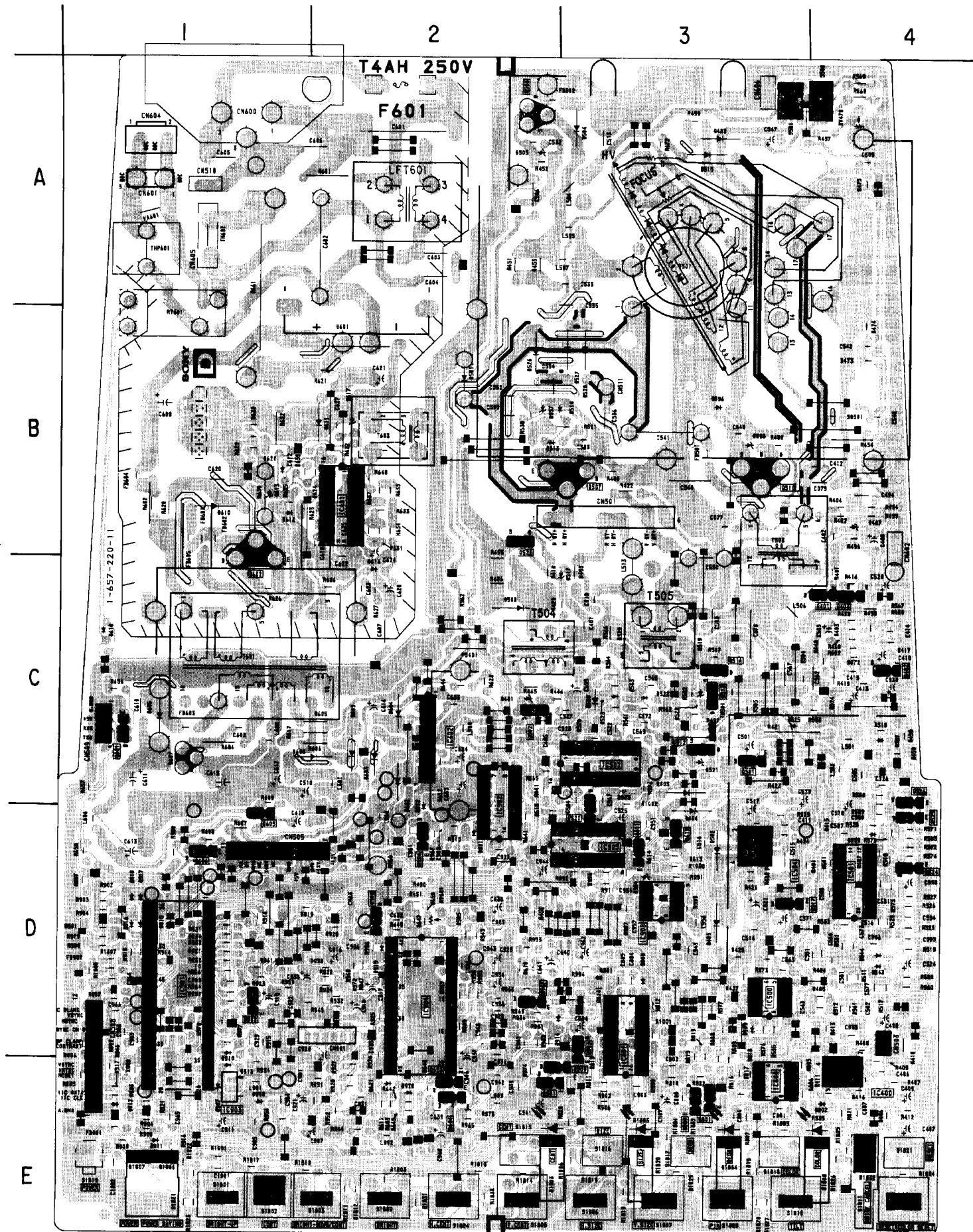
D402	A-3
D403	C-3



The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in

— D Board —

D	POWER DEFLECTION
---	---------------------



A [VIDEO]

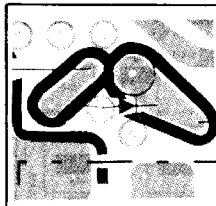
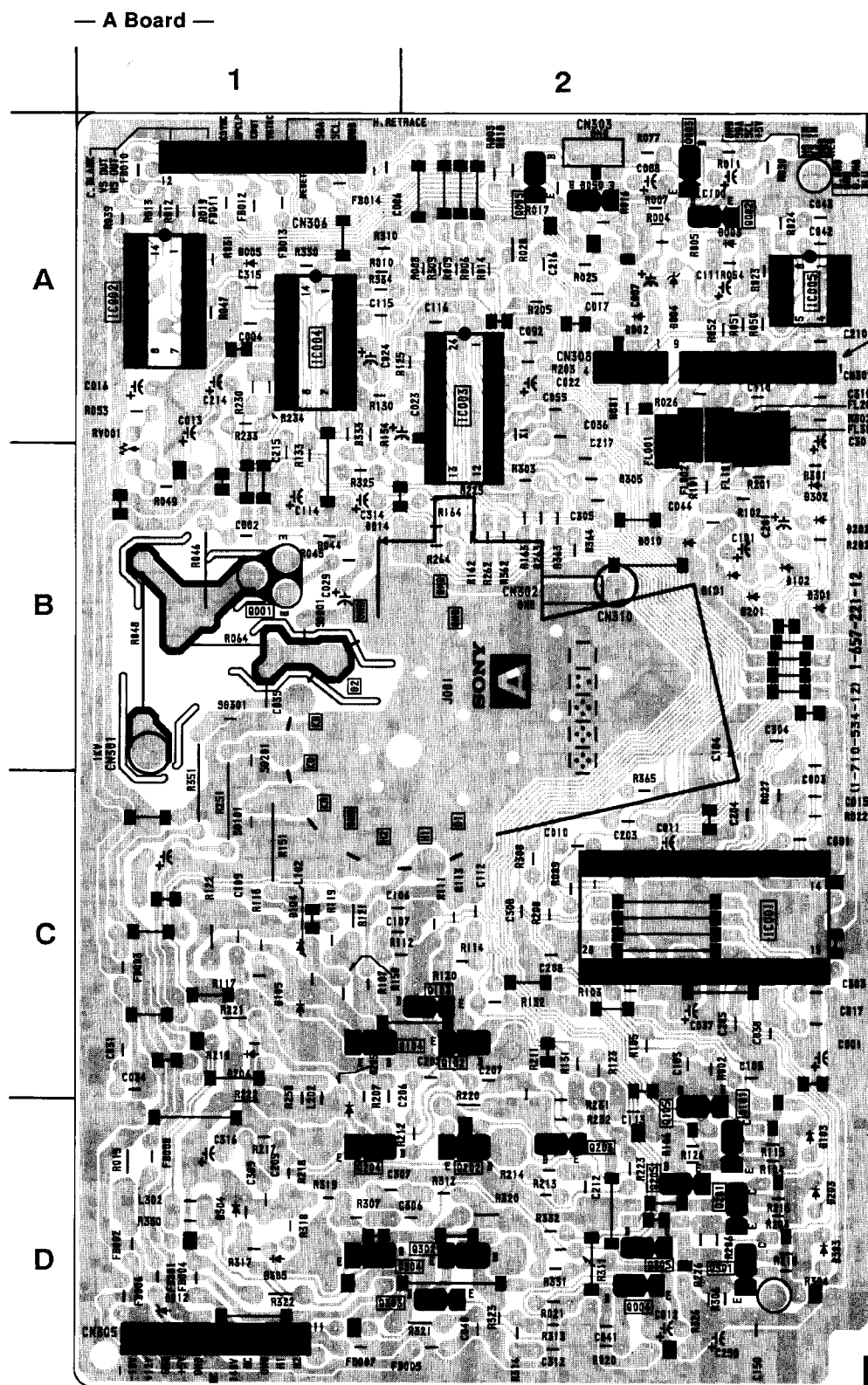
**● A BOARD
SEMICONDUCTOR
LOCATION**

IC	
IC001	C-2
IC002	A-1
IC003	A-2
IC004	A-1
IC005	A-2

TRANSISTOR	
Q001	B-1
Q002	A-2
Q003	A-2
Q004	D-2
Q005	A-2
Q101	D-2
Q102	C-2
Q103	C-2
Q104	C-1
Q105	D-2
Q201	D-2
Q202	D-2
Q203	D-2
Q204	D-1
Q205	D-2
Q301	D-2
Q302	D-2
Q303	D-2
Q304	D-1
Q305	D-2

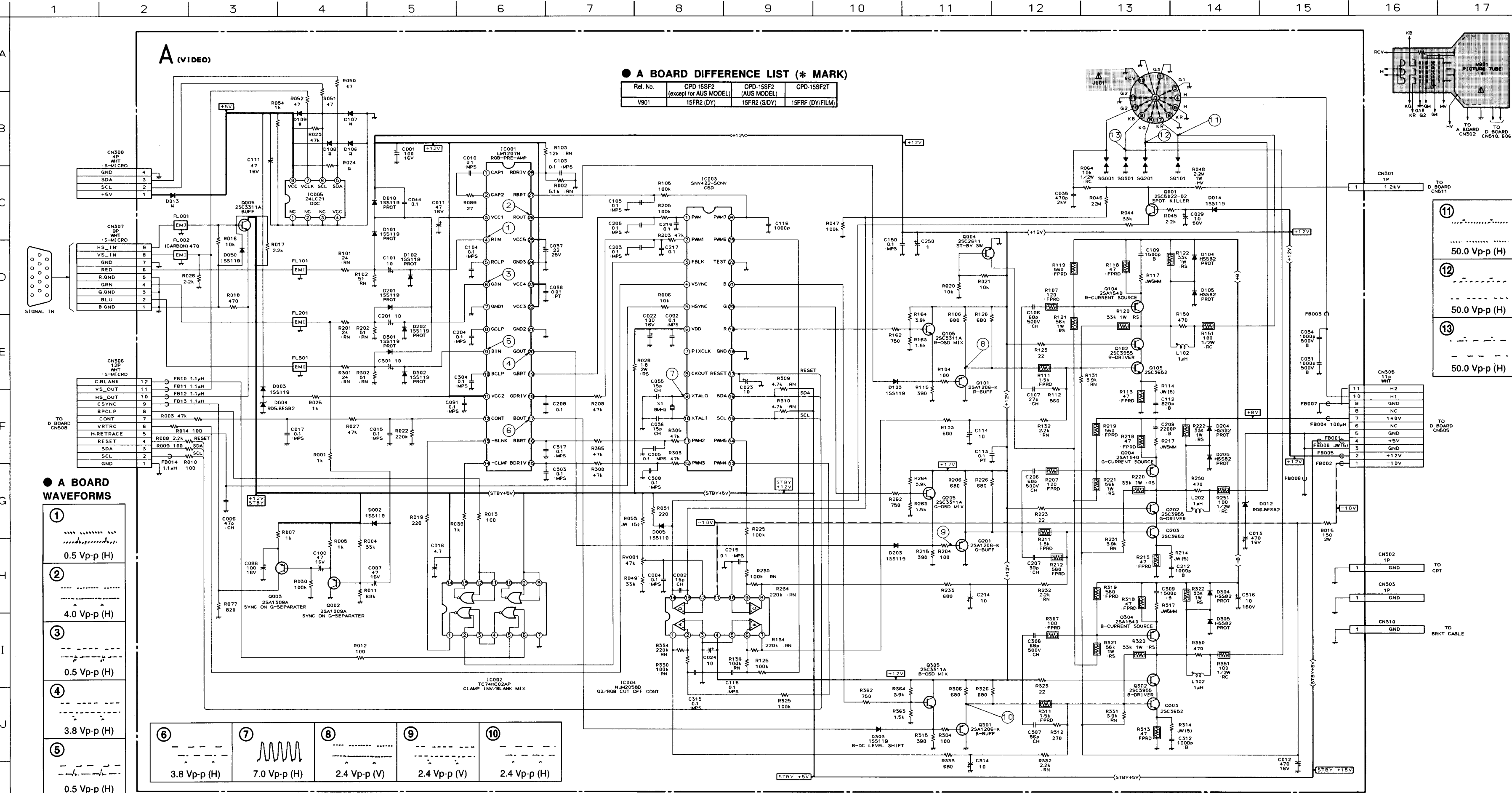
DIODE	
D002	A-2
D003	A-2
D004	A-2
D005	A-1
D010	B-2
D012	D-1
D014	B-1
D050	A-2
D101	B-2
D102	B-2
D103	D-2
D104	C-1
D105	C-1
D201	B-2
D202	B-2
D203	D-2
D204	C-1
D205	D-1
D301	B-2
D302	B-2
D303	D-2
D304	D-1
D305	D-1

CRYSTAL	
X1	A-2


NOTE:

The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

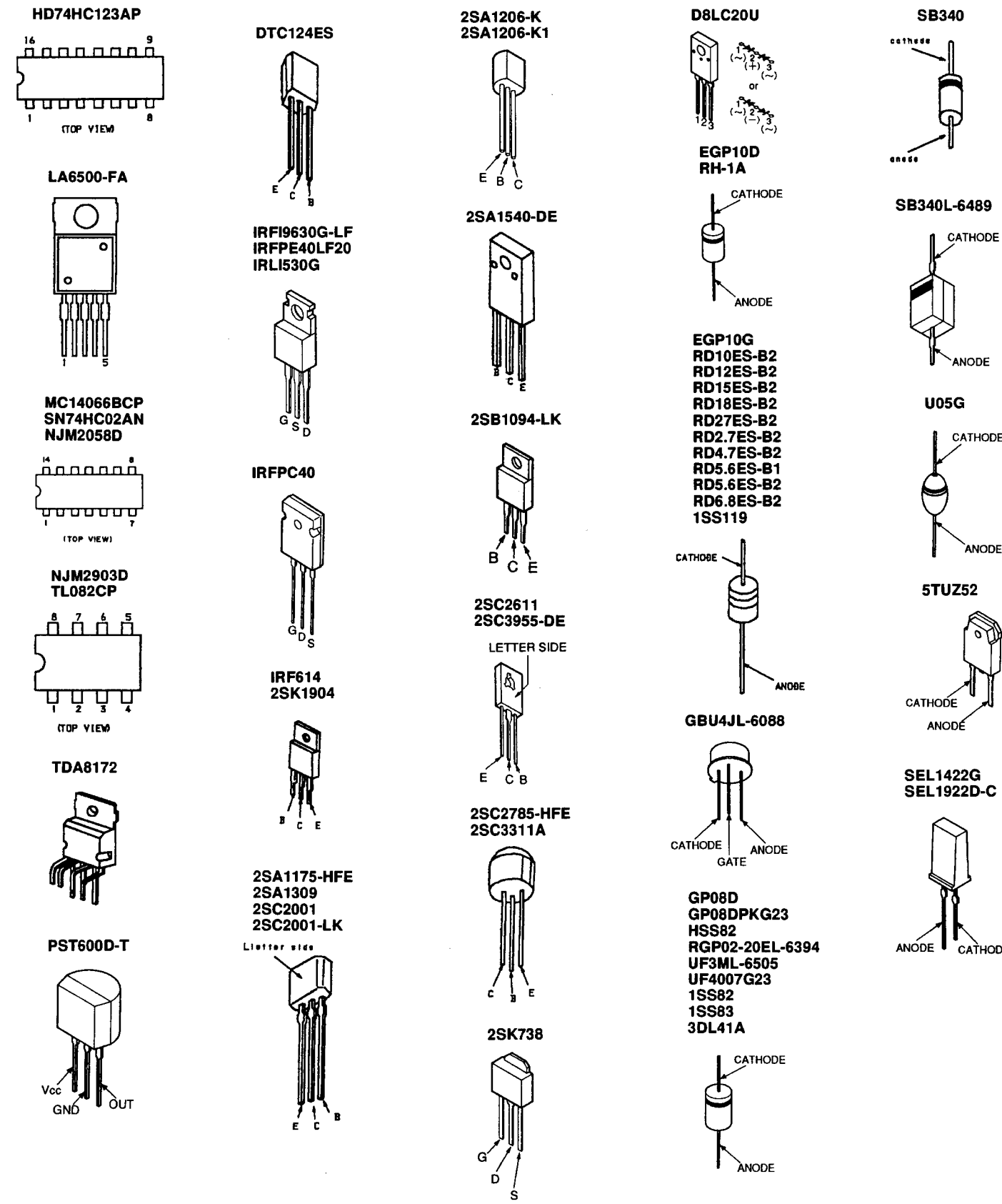
(2) Schematic Diagram of A Board



● A BOARD VOLTAGE LIST

Ref.	Pin No.	Voltage [V]	Ref.	Pin No.	Voltage [V]
IC001	1	5.5	Q001	B	11.6
	2	5.5		E	11.1
	5	8.2	Q002	B	3.6
	6	2.9		E	4.3
	8	8.5	Q003	B	4.3
	9	2.9		C	0.7
	10	8.7		E	4.5
	12	2.7	Q004	B	0.8
	13	4.7		C	0.2
	14	5.2	Q005	B	0
	15	2.2		C	5.2
	16	1.8	Q005	B	0
	17	2.6		C	0
	18	2.9	Q101	B	2.2
	19	1.8		E	3.0
	20	2.7	Q102	C	98.1
	26	2.7		E	11.6
	27	1.8			
	28	3.7			
IC002	1	4.7	Q103	B	1.4
	2	0		C	11.6
	3	0.6		E	0.7
	4	0.6	Q104	B	142.1
	5	4.7		C	98.1
	6	4.7		E	142.7
	11	0.2	Q105	B	1.5
	12	0.2		E	3.0
	13	5.2			
	14	5.2			
IC003	1	1.8	Q201	B	2.2
	2	2.9		E	3.0
	3	0	Q202	C	104.9
	4	0.2		E	11.6
	5	0.4			
	9	2.4	Q203	B	1.4
	10	2.2		C	11.6
	11	1.9		E	0.7
	12	2.3	Q204	B	142.1
	13	4.1		C	104.9
	14	4.2		E	142.8
	15	4.8	Q205	B	1.5
	16	4.9		E	2.1
	17	5.2	Q301	B	2.1
	19	0.2		E	2.9
	20	0.2			
	23	3.6			
	24	1.8			
IC004	1	-4.4	Q302	C	105.1
	2	0		E	11.6
	3	0	Q303	B	1.4
	5	0		C	11.6
	6	0		E	0.7
	7	-3.8	Q304	B	142.1
	8	-4.5		C	105.1
	9	0		E	142.8
	10	0	Q305	B	1.5
	11	-6.9		E	2.1
	12	3.8			
	13	3.8			
	14	5.9			
IC005	5	5.3			
	6	5.3			
	7	5.2			

5-4. SEMICONDUCTORS



SECTION 6
EXPLODED VIEWS

• Items with no part number and no description are not stocked because they are seldom required for routine service.
• The construction parts of an assembled part are indicated with a collation number in the remark column.

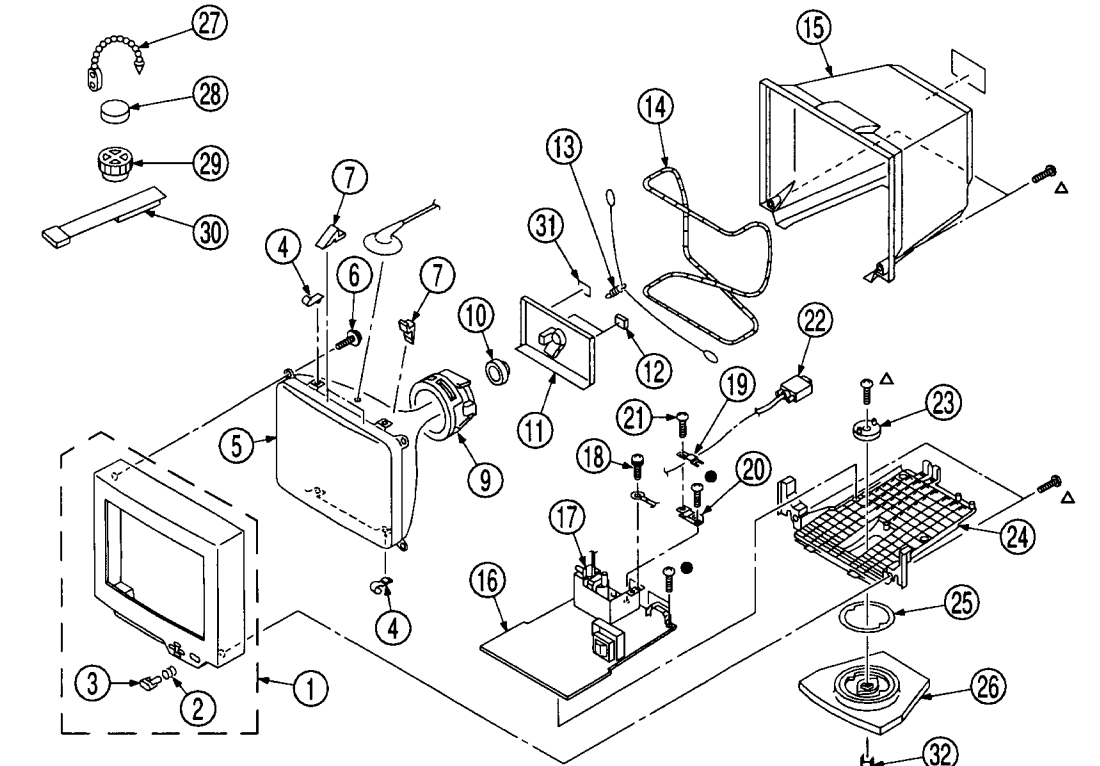
• Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

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

Les composants identifiés par un tréfilé et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

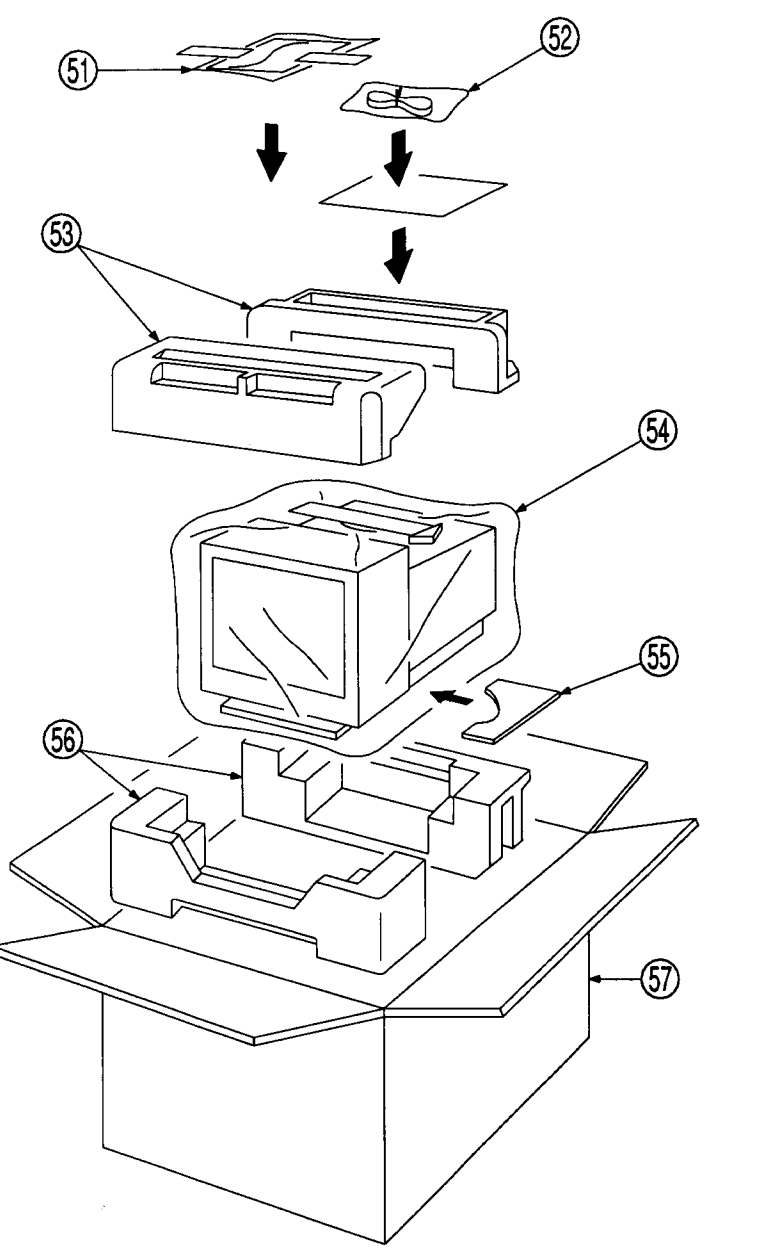
6-1. CHASSIS

- 7-685-648-79 SCREW +BVTP 3X12
- △ 7-685-663-79 SCREW +BVTP 4X16



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
1	X-4032-970-1	BEZEL ASSY	2, 3	16	*A-1346-419-A	D BOARD, COMPLETE	
2	3-571-801-01	SPRING, COMPRESSION		16	*A-1346-447-A	D BOARD, COMPLETE (AEP [for UK-made set]) (15SF2T)	
3	4-045-116-01	BUTTON, POWER		17	△ X-4033-083-1	TRANSFORMER ASSY, FLYBACK (NX-4130/J1E)	
4	4-045-123-01	HOLDER, DEGAUSSING COIL		18	4-389-025-01	SCREW (M4X8) (EXT TOOTH WASHER)	
5	△ 8-734-828-05	PICTURE TUBE 15FR2 (DY) (M36LDJ15X) (except for AUS, 15SF2T)		19	*4-045-131-01	STOPPER, CABLE	
5	△ 8-734-829-05	PICTURE TUBE 15FR2 (S/DY) (M36LDJ15X) (AUS)		20	4-045-130-01	BRACKET, CABLE	
5	△ 8-734-830-05	PICTURE TUBE 15FRF (DY/FILM) (M36LDJ15X) (15SF2T)		21	4-381-962-11	SCREW +BVTT 4X8 (S)	
6	4-365-808-01	SCREW (5), TAPPING		22	1-775-535-21	CABLE ASSY	
7	4-050-492-01	SPACER, DY		23	4-045-121-01	STOPPER (A), STAND	
9	△ 8-451-469-21	DEFLECTION YOKE Y15FRF2M2		24	4-045-114-01	COVER, BOTTOM (except for US/CND)	
10	△ 1-452-756-11	NECK ASSY, PICTURE TUBE (NA293)		24	4-045-114-11	COVER, BOTTOM (US/CND)	
11	*A-1292-901-B	A BOARD, COMPLETE [for Japan-made set]		25	4-045-122-01	RING, TILT SWIVEL	
11	*A-1297-587-B	A BOARD, COMPLETE (US/CND)		26	X-4032-051-1	BASE ASSY, STAND	
11	*A-1297-626-B	A BOARD, COMPLETE [for UK-made set]		27	4-308-870-00	CLIP, LEAD WIRE	
12	*4-050-329-01	CUSHION, (A)		28	1-452-032-00	MAGNET, DISC 10mm ϕ	
13	4-369-318-00	SPRING, TENSION		29	1-452-094-00	MAGNET, ROTATABLE DISK 15mm ϕ	
14	△ 1-409-799-11	COIL, DEMAGNETIZATION		30	X-403-058-41	PERMALLOY ASSY, CONVERGENCE	
15	4-045-113-01	CABINET		31	*4-046-834-01	LABEL, X-RAY (except for [for UK-made set])	
16	*A-1346-408-A	D BOARD, COMPLETE [for Japan-made set]		31	*4-050-730-01	LABEL, X-RAY [for UK-made set]	
16	*A-1346-411-A	D BOARD, COMPLETE (US/CND)		32	4-048-148-01	STOPPER (B)	

6-2. PACKING MATERIALS



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
51	3-800-818-11	MANUAL, INSTRUCTION (15SF2 [AEP, ES, AUS])		54	4-380-340-01	BAG, POLYETHYLENE (US/CND)	
51	3-800-818-21	MANUAL, INSTRUCTION (15SF2 [US/CND])		55	*4-045-088-01	PAT, TILT FIXED	
51	3-800-818-31	MANUAL, INSTRUCTION (15SF2T)		56	*4-045-090-01	CUSHION (LOWER) (ASSY)	
52	1-765-717-11	CORD SET, POWER (except for US/CND)		57	*4-050-991-01	INDIVIDUAL CARTON (US/CND)	
52	1-765-718-11	CORD SET, POWER (US/CND)		57	*4-050-995-01	INDIVIDUAL CARTON (15SF2T)	
53	*4-045-089-01	CUSHION (UPPER) (ASSY)		57	*4-050-996-01	INDIVIDUAL CARTON (AEP [for Japan-made set], ES, AUS)	
54	*4-041-927-11	BAG, POLYETHYLENE (except for US/CND)		57	*4-050-997-01	INDIVIDUAL CARTON (AEP [for UK-made set])	

SECTION 7 ELECTRICAL PARTS LIST



NOTE:

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

Les composants identifiés par un trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

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

The components identified by Δ in this manual have been carefully selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

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

RESISTORS

- All resistors are in ohms
- F : nonflammable
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
* A-1292-901-B		A BOARD, COMPLETE ***** [for Japan-made set]		C104	1-136-165-00	FILM	0.1 μ F 5% 50V
* A-1297-587-B		A BOARD, COMPLETE (US/CND) *****		C105	1-136-165-00	FILM	0.1 μ F 5% 50V
* A-1297-626-B		A BOARD, COMPLETE [for UK-made set] *****		C106	1-107-608-11	CERAMIC	68pF 5% 500V
* 4-045-124-01		COVER, VIDEO		C107	1-102-961-00	CERAMIC	27pF 5% 50V
4-382-854-11		SCREW (M3X10), P, SW (+) (Q102, Q104, Q202, Q204, Q302, Q304)		C109	1-102-119-00	CERAMIC	0.0015 μ F 10% 50V
		<u>CAPACITOR</u>		C111	1-126-967-11	ELECT	47 μ F 20% 16V
C001	1-126-933-11	ELECT	100 μ F 20% 16V	C112	1-102-117-00	CERAMIC	820pF 10% 50V
C002	1-102-951-00	CERAMIC	15pF 5% 50V	C113	1-136-165-00	FILM	0.1 μ F 5% 50V
C004	1-136-165-00	FILM	0.1 μ F 5% 50V	C114	1-126-964-11	ELECT	10 μ F 20% 50V
C006	1-101-880-00	CERAMIC	47pF 5% 50V	C115	1-136-165-00	FILM	0.1 μ F 5% 50V
C007	1-126-967-11	ELECT	47 μ F 20% 16V	C116	1-102-074-00	CERAMIC	0.001 μ F 10% 50V
C010	1-136-165-00	FILM	0.1 μ F 5% 50V	C150	1-136-165-00	FILM	0.1 μ F 5% 50V
C011	1-126-967-11	ELECT	47 μ F 20% 16V	C201	1-126-964-11	ELECT	10 μ F 20% 50V
C012	1-126-935-11	ELECT	470 μ F 20% 16V	C203	1-136-165-00	FILM	0.1 μ F 5% 50V
C013	1-126-935-11	ELECT	470 μ F 20% 16V	C204	1-136-165-00	FILM	0.1 μ F 5% 50V
C015	1-136-165-00	FILM	0.1 μ F 5% 50V	C205	1-136-165-00	FILM	0.1 μ F 5% 50V
C016	1-124-927-11	ELECT	4.7 μ F 20% 50V	C206	1-107-608-11	CERAMIC	68pF 5% 500V
C017	1-136-165-00	FILM	0.1 μ F 5% 50V	C207	1-102-965-00	CERAMIC	39pF 5% 50V
C022	1-126-933-11	ELECT	100 μ F 20% 16V	C208	1-136-165-00	FILM	0.1 μ F 5% 50V
C023	1-126-964-11	ELECT	10 μ F 20% 50V	C209	1-102-121-00	CERAMIC	0.0022 μ F 10% 50V
C024	1-126-964-11	ELECT	10 μ F 20% 50V	C212	1-102-074-00	CERAMIC	0.001 μ F 10% 50V
C029	1-126-964-11	ELECT	10 μ F 20% 50V	C214	1-126-964-11	ELECT	10 μ F 20% 50V
C031	1-162-318-11	CERAMIC	0.001 μ F 10% 500V	C215	1-136-165-00	FILM	0.1 μ F 5% 50V
C034	1-162-318-11	CERAMIC	0.001 μ F 10% 500V	C216	1-136-165-00	FILM	0.1 μ F 5% 50V
C035	1-162-134-11	CERAMIC	470pF 10% 2KV	C217	1-136-165-00	FILM	0.1 μ F 5% 50V
C036	1-102-951-00	CERAMIC	15pF 5% 50V	C250	1-124-903-11	ELECT	1 μ F 20% 50V
C037	1-128-551-11	ELECT	22 μ F 20% 25V	C301	1-126-964-11	ELECT	10 μ F 20% 50V
C038	1-137-370-11	FILM	0.01 μ F 5% 50V	C303	1-136-165-00	FILM	0.1 μ F 5% 50V
C044	1-136-165-00	FILM	0.1 μ F 5% 50V	C304	1-136-165-00	FILM	0.1 μ F 5% 50V
C055	1-102-951-00	CERAMIC	15pF 5% 50V	C305	1-136-165-00	FILM	0.1 μ F 5% 50V
C088	1-126-933-11	ELECT	100 μ F 20% 16V	C306	1-107-608-11	CERAMIC	68pF 5% 500V
C091	1-136-165-00	FILM	0.1 μ F 5% 50V	C307	1-101-884-00	CERAMIC	56pF 5% 50V
C092	1-136-165-00	FILM	0.1 μ F 5% 50V	C308	1-136-165-00	FILM	0.1 μ F 5% 50V
C100	1-126-967-11	ELECT	47 μ F 20% 16V	C309	1-102-119-00	CERAMIC	0.0015 μ F 10% 50V
C101	1-126-964-11	ELECT	10 μ F 20% 50V	C312	1-102-074-00	CERAMIC	0.001 μ F 10% 50V
C103	1-136-165-00	FILM	0.1 μ F 5% 50V	C314	1-126-964-11	ELECT	10 μ F 20% 50V
				C315	1-136-165-00	FILM	0.1 μ F 5% 50V
				C316	1-107-943-11	ELECT	10 μ F 20% 160V
				C317	1-136-165-00	FILM	0.1 μ F 5% 50V
						<u>CONNECTOR</u>	
						CN301* 1-506-108-41	PIN, CONNECTOR (TERMINAL PIN)



Les composants identifiés par un trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

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

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
CN302	1-695-915-11	TAB (CONTACT)					
CN303	1-695-915-11	TAB (CONTACT)					
CN305*	1-564-514-11	PLUG, CONNECTOR	11P				
CN306*	1-564-515-11	PLUG, CONNECTOR	12P				
CN307*	1-564-512-11	PLUG, CONNECTOR	9P				
CN308*	1-564-507-11	PLUG, CONNECTOR	4P				
<u>DIODE</u>				<u>JACK</u>			
D002	8-719-911-19	DIODE 1SS119-25		J001	Δ 1-251-335-11	SOCKET, PICTURE TUBE	
D003	8-719-911-19	DIODE 1SS119-25					
D004	8-719-109-89	ZENER DIODE RD5.6ESB2					
D005	8-719-911-19	DIODE 1SS119-25					
D010	8-719-911-19	DIODE 1SS119-25					
<u>COIL</u>				<u>TRANSISTOR</u>			
D012	8-719-109-97	ZENER DIODE RD6.8ESB2		L102	1-414-142-11	INDUCTOR	1 μ H
D014	8-719-911-19	DIODE 1SS119-25		L202	1-414-142-11	INDUCTOR	1 μ H
D050	8-719-911-19	DIODE 1SS119-25		L302	1-414-142-11	INDUCTOR	1 μ H
D101	8-719-911-19	DIODE 1SS119-25					
D102	8-719-911-19	DIODE 1SS119-25					
D103	8-719-911-19	DIODE 1SS119-25		Q001	8-729-032-61	TRANSISTOR 2SC5022-02	
D104	8-719-970-83	DIODE HSS82		Q002	8-729-119-76	TRANSISTOR 2SA1175-HFE	
D105	8-719-970-83	DIODE HSS82		Q003	8-729-119-76	TRANSISTOR 2SA1175-HFE	
D201	8-719-911-19	DIODE 1SS119-25		Q004	8-729-326-11	TRANSISTOR 2SC2611	
D202	8-719-911-19	DIODE 1SS119-25		Q005	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D203	8-719-911-19	DIODE 1SS119-25		Q101	8-729-103-19	TRANSISTOR 2SA1206-K1	
D204	8-719-970-83	DIODE HSS82		Q102	8-729-019-70	TRANSISTOR 2SC3955-DE	
D205	8-719-970-83	DIODE HSS82		Q103	8-729-031-84	TRANSISTOR 2SC3652	
D301	8-719-911-19	DIODE 1SS119-25		Q104	8-729-823-07	TRANSISTOR 2SA1540-DE	
D302	8-719-911-19	DIODE 1SS119-25		Q105	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D303	8-719-911-19	DIODE 1SS119-25		Q201	8-729-103-19	TRANSISTOR 2SA1206-K1	
D304	8-719-970-83	DIODE HSS82		Q202	8-729-019-70	TRANSISTOR 2SC3955-DE	
D305	8-719-970-83	DIODE HSS82		Q203	8-729-031-84	TRANSISTOR 2SC3652	
				Q204	8-729-823-07	TRANSISTOR 2SA1540-DE	
				Q205	8-729-119-78	TRANSISTOR 2SC2785-HFE	
<u>FERRITE BEAD</u>							
FB001	1-412-911-11	INDUCTOR, FERRITE BEAD		Q301	8-729-103-19	TRANSISTOR 2SA1206-K1	
FB002	1-412-911-11	INDUCTOR, FERRITE BEAD		Q302	8-729-019-70	TRANSISTOR 2SC3955-DE	
FB003	1-412-911-11	INDUCTOR, FERRITE BEAD		Q303	8-729-031-84	TRANSISTOR 2SC3652	
FB004	1-412-537-31	INDUCTOR	100 μ H	Q304	8-729-823-07	TRANSISTOR 2SA1540-DE	
FB005	1-412-911-11	INDUCTOR, FERRITE BEAD		Q305	8-729-119-78	TRANSISTOR 2SC2785-HFE	
FB006	1-412-911-11	INDUCTOR, FERRITE BEAD		<u>RESISTOR</u>			
FB007	1-412-911-11	INDUCTOR, FERRITE BEAD		R001	1-249-417-11	CARBON	1K 5% 1/4W
FB008	1-535-303-00	LEAD, JUMPER (5.0MM)		R002	1-215-438-00	METAL	5.1K 1% 1/4W
FB010	1-410-397-21	FERRITE BEAD INDUCTOR	1.1 μ H	R003	1-249-437-11	CARBON	47K 5% 1/4W
FB011	1-410-397-21	FERRITE BEAD INDUCTOR	1.1 μ H	R004	1-249-435-11	CARBON	33K 5% 1/4W
FB012	1-410-397-21	FERRITE BEAD INDUCTOR	1.1 μ H	R005	1-249-417-11	CARBON	1K 5% 1/4W
FB013	1-410-397-21	FERRITE BEAD INDUCTOR	1.1 μ H	R006	1-249-429-11	CARBON	10K 5% 1/4W
FB014	1-410-397-21	FERRITE BEAD INDUCTOR	1.1 μ H	R007	1-249-417-11	CARBON	1K 5% 1/4W
				R008	1-249-421-11	CARBON	2.2K 5% 1/4W
				R009	1-247-807-31	CARBON	100 5% 1/4W
				R010	1-247-807-31	CARBON	100 5% 1/4W
<u>FILTER</u>							
FL001	1-421-995-11	FILTER, NOISE		R011	1-249-439-11	CARBON	68K 5% 1/4W
FL002	1-249-413-11	CARBON	470 5% 1/4W	R012	1-247-807-31	CARBON	100 5% 1/4W
FL101	1-239-973-11	FILTER, EMI		R013	1-247-807-31	CARBON	100 5% 1/4W
FL201	1-239-973-11	FILTER, EMI		R014	1-247-807-31	CARBON	100 5% 1/4W
FL301	1-239-973-11	FILTER, EMI		R015	1-215-887-00	METAL OXIDE	150 5% 2W F



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R016	1-249-429-11	CARBON	10K 5% 1/4W	R164	1-249-424-11	CARBON	3.9K 5% 1/4W
R017	1-249-421-11	CARBON	2.2K 5% 1/4W	R201	1-215-382-00	METAL	24 1% 1/4W
R018	1-249-413-11	CARBON	470 5% 1/4W	R202	1-215-390-00	METAL	51 1% 1/4W
R019	1-247-815-91	CARBON	220 5% 1/4W	R203	1-249-437-11	CARBON	47K 5% 1/4W
R020	1-249-429-11	CARBON	10K 5% 1/4W	R204	1-247-807-31	CARBON	100 5% 1/4W
R021	1-249-429-11	CARBON	10K 5% 1/4W	R205	1-249-441-11	CARBON	100K 5% 1/4W
R022	1-247-887-00	CARBON	220K 5% 1/4W	R206	1-249-415-11	CARBON	680 5% 1/4W
R023	1-249-437-11	CARBON	47K 5% 1/4W	R207	1-249-406-11	CARBON	120 5% 1/4W F
R025	1-249-417-11	CARBON	1K 5% 1/4W	R208	1-249-437-11	CARBON	47K 5% 1/4W
R026	1-249-421-11	CARBON	2.2K 5% 1/4W	R211	1-249-419-11	CARBON	1.5K 5% 1/4W F
R027	1-249-437-11	CARBON	47K 5% 1/4W	R212	1-249-414-11	CARBON	560 5% 1/4W F
R028	1-216-372-11	METAL OXIDE	1.8 5% 2W F	R213	1-249-401-11	CARBON	47 5% 1/4W F
R030	1-249-441-11	CARBON	100K 5% 1/4W	R215	1-249-412-11	CARBON	390 5% 1/4W
R031	1-247-815-91	CARBON	220 5% 1/4W	R218	1-249-401-11	CARBON	47 5% 1/4W F
R039	1-249-417-11	CARBON	1K 5% 1/4W	R219	1-249-414-11	CARBON	560 5% 1/4W F
R044	1-249-435-11	CARBON	33K 5% 1/4W	R220	1-215-878-00	METAL OXIDE	33K 5% 1W F
R045	1-249-421-11	CARBON	2.2K 5% 1/4W	R221	1-216-443-11	METAL OXIDE	56K 5% 1W F
R046	1-219-621-91	METAL	22M 10% 1/4W	R222	1-215-878-00	METAL OXIDE	33K 5% 1W F
R047	1-249-441-11	CARBON	100K 5% 1/4W	R223	1-247-791-91	CARBON	22 5% 1/4W
R048	1-211-885-21	METAL	2.2M 5% 1W	R225	1-249-441-11	CARBON	100K 5% 1/4W
R049	1-249-435-11	CARBON	33K 5% 1/4W	R226	1-249-415-11	CARBON	680 5% 1/4W
R050	1-249-401-11	CARBON	47 5% 1/4W	R230	1-215-469-00	METAL	100K 1% 1/4W
R051	1-249-401-11	CARBON	47 5% 1/4W	R231	1-215-435-00	METAL	3.9K 1% 1/4W
R052	1-249-401-11	CARBON	47 5% 1/4W	R232	1-215-429-00	METAL	2.2K 1% 1/4W
R054	1-249-417-11	CARBON	1K 5% 1/4W	R233	1-249-415-11	CARBON	680 5% 1/4W
R064	1-202-830-00	SOLID	10K 20% 1/2W	R234	1-215-477-00	METAL	220K 1% 1/4W
R077	1-249-416-11	CARBON	820 5% 1/4W	R250	1-249-413-11	CARBON	470 5% 1/4W
R089	1-249-398-11	CARBON	27 5% 1/4W	R251	1-202-549-00	SOLID	100 20% 1/2W
R101	1-215-382-00	METAL	24 1% 1/4W	R262	1-215-418-00	METAL	750 1% 1/4W
R102	1-215-390-00	METAL	51 1% 1/4W	R263	1-249-419-11	CARBON	1.5K 5% 1/4W
R103	1-215-447-00	METAL	12K 1% 1/4W	R264	1-249-424-11	CARBON	3.9K 5% 1/4W
R104	1-247-807-31	CARBON	100 5% 1/4W	R301	1-215-382-00	METAL	24 1% 1/4W
R105	1-249-441-11	CARBON	100K 5% 1/4W	R302	1-215-390-00	METAL	51 1% 1/4W
R106	1-249-415-11	CARBON	680 5% 1/4W	R303	1-249-437-11	CARBON	47K 5% 1/4W
R107	1-249-406-11	CARBON	120 5% 1/4W F	R304	1-247-807-31	CARBON	100 5% 1/4W
R111	1-249-419-11	CARBON	1.5K 5% 1/4W F	R305	1-249-437-11	CARBON	47K 5% 1/4W
R112	1-249-414-11	CARBON	560 5% 1/4W	R306	1-249-415-11	CARBON	680 5% 1/4W
R113	1-249-401-11	CARBON	47 5% 1/4W F	R307	1-249-405-11	CARBON	100 5% 1/4W F
R115	1-249-412-11	CARBON	390 5% 1/4W	R308	1-249-437-11	CARBON	47K 5% 1/4W
R118	1-249-401-11	CARBON	47 5% 1/4W F	R309	1-215-437-00	METAL	4.7K 1% 1/4W
R119	1-249-414-11	CARBON	560 5% 1/4W F	R310	1-215-437-00	METAL	4.7K 1% 1/4W
R120	1-215-878-00	METAL OXIDE	33K 5% 1W F	R311	1-249-419-11	CARBON	1.5K 5% 1/4W F
R121	1-216-443-11	METAL OXIDE	56K 5% 1W F	R312	1-249-410-11	CARBON	270 5% 1/4W
R122	1-215-878-00	METAL OXIDE	33K 5% 1W F	R313	1-249-401-11	CARBON	47 5% 1/4W F
R123	1-247-791-91	CARBON	22 5% 1/4W	R315	1-249-412-11	CARBON	390 5% 1/4W
R125	1-249-441-11	CARBON	100K 5% 1/4W	R318	1-249-401-11	CARBON	47 5% 1/4W F
R126	1-249-415-11	CARBON	680 5% 1/4W	R319	1-249-414-11	CARBON	560 5% 1/4W F
R130	1-215-469-00	METAL	100K 1% 1/4W	R320	1-215-878-00	METAL OXIDE	33K 5% 1W F
R131	1-215-435-00	METAL	3.9K 1% 1/4W	R321	1-216-443-11	METAL OXIDE	56K 5% 1W F
R132	1-215-429-00	METAL	2.2K 1% 1/4W	R322	1-215-878-00	METAL OXIDE	33K 5% 1W F
R133	1-249-415-11	CARBON	680 5% 1/4W	R323	1-247-791-91	CARBON	22 5% 1/4W
R134	1-215-477-00	METAL	220K 1% 1/4W	R325	1-249-441-11	CARBON	100K 5% 1/4W
R150	1-249-413-11	CARBON	470 5% 1/4W	R326	1-249-415-11	CARBON	680 5% 1/4W
R151	1-202-549-00	SOLID	100 20% 1/2W	R330	1-215-469-00	METAL	100K 1% 1/4W
R162	1-215-418-00	METAL	750 1% 1/4W	R331	1-215-435-00	METAL	3.9K 1% 1/4W
R163	1-249-419-11	CARBON	1.5K 5% 1/4W	R332	1-215-429-00	METAL	2.2K 1% 1/4W



Les composants identifiés par un trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

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

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R333	1-249-415-11	CARBON	680 5% 1/4W	C405	1-136-173-00	FILM 0.47 μ F	5% 50V
R334	1-215-477-00	METAL	220K 1% 1/4W	C406	1-137-375-11	FILM 0.068 μ F	5% 50V
R350	1-249-413-11	CARBON	470 5% 1/4W	C407	1-126-964-11	ELECT 10 μ F	20% 50V
R351	1-202-549-00	SOLID	100 20% 1/2W	C408	1-126-964-11	ELECT 10 μ F	20% 50V
R362	1-215-418-00	METAL	750 1% 1/4W	C409	1-124-903-11	ELECT 1 μ F	20% 50V
R363	1-249-419-11	CARBON	1.5K 5% 1/4W	C410	1-126-964-11	ELECT 10 μ F	20% 50V
R364	1-249-424-11	CARBON	3.9K 5% 1/4W	C411	1-102-112-00	CERAMIC 330pF	10% 50V
R365	1-249-437-11	CARBON	47K 5% 1/4W	C412	1-101-810-00	CERAMIC 100pF	5% 500V
<u>VARIABLE RESISTOR</u>				C413	1-126-964-11	ELECT 10 μ F	20% 50V
RV001	1-241-787-11	RES, ADJ, CARBON	47K	C414	1-137-370-11	FILM 0.01 μ F	5% 50V
<u>SPARK GAP</u>				C415	1-107-714-11	ELECT 10 μ F	20% 16V
SG001	1-519-422-11	GAP, SPARK		C501	1-104-664-11	ELECT 47 μ F	20% 25V
SG101	1-519-504-11	GAP, DISCHARGE		C503	1-107-667-11	ELECT 2.2 μ F	20% 160V
SG201	1-519-504-11	GAP, DISCHARGE		C504	1-104-664-11	ELECT 47 μ F	20% 25V
SG301	1-519-504-11	GAP, DISCHARGE		C505	1-107-974-11	CERAMIC 47pF	5% 2KV
<u>CRISTAL</u>				C506	1-136-105-00	FILM 0.33 μ F	5% 200V
X1	1-567-890-11	VIBRATOR, CRYSTAL		C507	1-126-964-11	ELECT 10 μ F	20% 50V
*****				C509 Δ	1-137-378-11	FILM 0.22 μ F	5% 50V
* A-1346-408-A	D BOARD, COMPLETE ***** [for Japan-made set]			C510	1-128-526-11	ELECT 100 μ F	20% 25V
* A-1346-411-A	D BOARD, COMPLETE (US/CND) *****			C511	1-137-370-11	FILM 0.01 μ F	5% 50V
* A-1346-419-A	D BOARD, COMPLETE ***** (AEP [for UK-made set])			C512	1-137-370-11	FILM 0.01 μ F	5% 50V
* A-1346-447-A	D BOARD, COMPLETE ***** (15SF2T)			C513	1-106-391-12	MYLAR 0.1 μ F	10% 200V
1-533-223-11	HOLDER, FUSE (F601)			C514	1-101-006-00	CERAMIC 0.047 μ F	50V
4-045-132-01	HOLDER (A), LED			C515	1-106-228-00	MYLAR 0.22 μ F	10% 100V
4-045-133-01	HOLDER (B), LED			C516	1-137-399-11	FILM 0.1 μ F	5% 50V
4-047-285-01	SHEET, INSULATING (Q510)			C517	1-107-894-11	ELECT 220 μ F	20% 35V
4-382-854-11	SCREW (M3X10), P, SW (+) (Q503, Q507, Q510, Q602, IC504, IC602, D501, D601)			C518	1-102-002-00	CERAMIC 680pF	10% 500V
4-389-025-01	SCREW (M4X8)(EXT TOOTH WASHER)			C520	1-126-942-61	ELECT 1000 μ F	20% 25V
4-389-026-11	SHEET, BN (Q602)			C521	1-128-528-11	ELECT 470 μ F	20% 25V
<u>CAPACITOR</u>				C522	1-137-374-11	FILM 0.047 μ F	5% 50V
C077	1-162-318-11	CERAMIC	0.001 μ F 10% 500V	C523	1-137-399-11	FILM 0.1 μ F	5% 50V
C079	1-109-878-11	CERAMIC	15pF 5% 2KV	C524	1-124-903-11	ELECT 1 μ F	20% 50V
C401	1-137-399-11	FILM	0.1 μ F 5% 50V	C525	1-126-964-11	ELECT 10 μ F	20% 50V
C402 Δ	1-137-370-11	FILM	0.01 μ F 5% 50V	C526 Δ	1-136-169-00	FILM 0.22 μ F	5% 50V
C403 Δ	1-126-965-11	ELECT	22 μ F 20% 50V	C527	1-106-343-00	MYLAR 0.001 μ F	10% 100V
C404 Δ	1-136-203-11	FILM	0.0001 μ F 5% 630V	C528 Δ	1-126-965-11	ELECT 22 μ F	20% 50V
C532	1-106-367-00	MYLAR	0.01 μ F 10% 200V	C533	1-101-821-00	CERAMIC 0.0022 μ F	500V
C533	1-101-821-00	CERAMIC	0.0022 μ F 500V	C534	1-162-978-11	CERAMIC 0.01 μ F	2KV
C534	1-162-978-11	CERAMIC	0.01 μ F 2KV	C535	1-161-754-00	CERAMIC 0.001 μ F	10% 2KV
C535	1-161-754-00	CERAMIC	0.001 μ F 10% 2KV	C536	1-162-978-11	CERAMIC 0.01 μ F	2KV
C536	1-162-978-11	CERAMIC	0.01 μ F 2KV	C540	1-136-539-11	FILM 0.0022 μ F	3% 2KV
C540	1-136-539-11	FILM	0.0022 μ F 3% 2KV	C541 Δ	1-109-997-11	FILM 0.0043 μ F	3% 1.8KV
C541 Δ	1-109-997-11	FILM	0.0043 μ F 3% 1.8KV	C542 Δ	1-137-368-11	FILM 0.0047 μ F	5% 50V
C542 Δ	1-137-368-11	FILM	0.0047 μ F 5% 50V	C543	1-102-973-00	CERAMIC 100pF	5% 50V
C543	1-102-973-00	CERAMIC	100pF 5% 50V	C544	1-137-364-11	FILM 0.001 μ F	5% 50V
C544	1-137-364-11	FILM	0.001 μ F 5% 50V	C547	1-126-941-11	ELECT 470 μ F	20% 25V
C547	1-126-941-11	ELECT	470 μ F 20% 25V	C548	1-137-425-11	FILM 0.33 μ F	10% 100V
C548	1-137-425-11	FILM	0.33 μ F 10% 100V	C549 Δ	1-137-399-11	FILM 0.1 μ F	5% 50V
C549 Δ	1-137-399-11	FILM	0.1 μ F 5% 50V	C550	1-109-960-11	FILM 0.43 μ F	5% 400V
C550	1-109-960-11	FILM	0.43 μ F 5% 400V	C551	1-102-106-00	CERAMIC 100pF	10% 50V
C551	1-102-106-00	CERAMIC	100pF 10% 50V	C562	1-136-946-11	FILM 0.12 μ F	5% 200V
C562	1-136-946-11	FILM	0.12 μ F 5% 200V	C563	1-102-110-00	CERAMIC 220pF	10% 50V
C563	1-102-110-00	CERAMIC	220pF 10% 50V	C565	1-136-244-11	FILM 0.1 μ F	5% 50V
C565	1-136-244-11	FILM	0.1 μ F 5% 50V	C567	1-136-121-00	FILM 0.27 μ F	5% 200V
C567	1-136-121-00	FILM	0.27 μ F 5% 200V	C569	1-137-370-11	FILM 0.01 μ F	5% 50V
C569	1-137-370-11	FILM	0.01 μ F 5% 50V				

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

Les composants identifiés par un tramé et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C570	1-136-853-11	FILM	0.56 μ F 5% 200V	C902	1-137-366-11	FILM	0.0022 μ F 5% 50V
C571	1-124-903-11	ELECT	1 μ F 20% 50V	C903	1-102-951-00	CERAMIC	15pF 5% 50V
C573	1-137-364-11	FILM	0.001 μ F 5% 50V	C904	1-137-399-11	FILM	0.1 μ F 5% 50V
C577	1-102-106-00	CERAMIC	100pF 10% 50V	C905	1-137-399-11	FILM	0.1 μ F 5% 50V
C578	1-126-952-11	ELECT	1000 μ F 20% 16V	C906	1-137-399-11	FILM	0.1 μ F 5% 50V
C580 Δ	1-137-367-11	FILM	0.0033 μ F 5% 50V	C907	1-124-927-11	ELECT	4.7 μ F 20% 50V
C581	1-137-399-11	FILM	0.1 μ F 5% 50V	C908	1-102-951-00	CERAMIC	15pF 5% 50V
C582	1-161-754-00	CERAMIC	0.001 μ F 10% 2KV	C909	1-102-106-00	CERAMIC	100pF 10% 50V
C583	1-106-375-12	MYLAR	0.022 μ F 10% 100V	C911	1-126-768-11	ELECT	2200 μ F 20% 16V
C584	1-101-361-00	CERAMIC	150pF 5% 50V	C912	1-136-165-00	FILM	0.1 μ F 5% 50V
C585 Δ	1-102-002-00	CERAMIC	680pF 10% 500V	C916	1-124-925-11	ELECT	2.2 μ F 20% 50V
C587	1-137-399-11	FILM	0.1 μ F 5% 50V	C917	1-124-925-11	ELECT	2.2 μ F 20% 50V
C590	1-126-965-11	ELECT	22 μ F 20% 50V	C918	1-124-925-11	ELECT	2.2 μ F 20% 50V
C591	1-102-106-00	CERAMIC	100pF 10% 50V	C919	1-124-925-11	ELECT	2.2 μ F 20% 50V
C593	1-136-105-00	FILM	0.33 μ F 5% 200V	C920	1-124-925-11	ELECT	2.2 μ F 20% 50V
C594	1-137-365-11	FILM	0.0015 μ F 5% 50V	C921	1-124-925-11	ELECT	2.2 μ F 20% 50V
C595	1-137-370-11	FILM	0.01 μ F 5% 50V	C922	1-137-399-11	FILM	0.1 μ F 5% 50V
C596	1-102-114-00	CERAMIC	470pF 10% 50V	C923	1-137-370-11	FILM	0.01 μ F 5% 50V
C599	1-104-665-11	ELECT	100 μ F 20% 25V	C924	1-137-399-11	FILM	0.1 μ F 5% 50V
C601 Δ	1-107-533-51	FILM	1 μ F 20% 250V	C925	1-126-934-11	ELECT	220 μ F 20% 16V
C602 Δ	1-104-708-51	FILM	0.47 μ F 20% 250V	C926	1-137-364-11	FILM	0.001 μ F 5% 50V
C603 Δ	1-113-912-51	CERAMIC	0.0047 μ F 20% 250V	C928	1-137-370-11	FILM	0.01 μ F 5% 50V
C604 Δ	1-113-912-51	CERAMIC	0.0047 μ F 20% 250V	C929	1-137-399-11	FILM	0.1 μ F 5% 50V
C605 Δ	1-113-900-51	CERAMIC	470pF 10% 250V	C930	1-124-768-11	ELECT	4.7 μ F 20% 35V
C606 Δ	1-113-900-51	CERAMIC	470pF 10% 250V	C931	1-136-169-00	FILM	0.22 μ F 5% 50V
C607	1-113-912-51	CERAMIC	0.0047 μ F 20% 250V	C932	1-137-399-11	FILM	0.1 μ F 5% 50V
C608	1-101-810-00	CERAMIC	100pF 5% 500V	C933	1-126-934-11	ELECT	220 μ F 20% 16V
C609	1-109-984-11	ELECT	390 μ F 20% 400V	C934	1-124-925-11	ELECT	2.2 μ F 20% 50V
C610	1-162-115-00	CERAMIC	330pF 10% 2KV	C935	1-136-169-00	FILM	0.22 μ F 5% 50V
C611	1-125-700-11	ELECT	220 μ F 20% 200V	C936	1-137-399-11	FILM	0.1 μ F 5% 50V
C612	1-162-318-11	CERAMIC	0.001 μ F 10% 500V	C937	1-126-935-11	ELECT	470 μ F 20% 16V
C613	1-107-947-11	ELECT	220 μ F 20% 160V	C938 Δ	1-124-927-11	ELECT	4.7 μ F 20% 50V
C615	1-126-944-11	ELECT	3300 μ F 20% 25V	C939	1-137-399-11	FILM	0.1 μ F 5% 50V
C616	1-107-896-11	ELECT	470 μ F 20% 35V	C940	1-126-934-11	ELECT	220 μ F 20% 16V
C617	1-126-105-11	ELECT	1000 μ F 20% 25V	C941	1-126-934-11	ELECT	220 μ F 20% 16V
C618	1-126-942-61	ELECT	1000 μ F 20% 25V	C942	1-137-370-11	FILM	0.01 μ F 5% 50V
C619	1-102-116-00	CERAMIC	680pF 10% 50V	C943	1-137-370-11	FILM	0.01 μ F 5% 50V
C620	1-136-601-11	FILM	0.01 μ F 5% 630V	C944	1-104-665-11	ELECT	100 μ F 20% 25V
C621	1-128-564-11	ELECT	220 μ F 20% 100V	C945	1-137-370-11	FILM	0.01 μ F 5% 50V
C622	1-136-169-00	FILM	0.22 μ F 5% 50V	C946	1-102-106-00	CERAMIC	100pF 10% 50V
C623	1-137-370-11	FILM	0.01 μ F 5% 50V	C948	1-137-399-11	FILM	0.1 μ F 5% 50V
C624	1-124-903-11	ELECT	1 μ F 20% 50V	C949	1-137-399-11	FILM	0.1 μ F 5% 50V
C625	1-102-114-00	CERAMIC	470pF 10% 50V	C951	1-136-173-00	FILM	0.47 μ F 5% 50V
C626	1-137-364-11	FILM	0.001 μ F 5% 50V	C952	1-137-372-11	FILM	0.022 μ F 5% 50V
C627	1-102-114-00	CERAMIC	470pF 10% 50V	C953	1-137-372-11	FILM	0.022 μ F 5% 50V
C628	1-124-927-11	ELECT	4.7 μ F 20% 50V	C954	1-137-399-11	FILM	0.1 μ F 5% 50V
C630	1-126-964-11	ELECT	10 μ F 20% 50V	C960	1-137-374-11	FILM	0.047 μ F 5% 50V
C632	1-102-110-00	CERAMIC	220pF 10% 50V	C961	1-102-110-00	CERAMIC	220pF 10% 50V
C633	1-137-399-11	FILM	0.1 μ F 5% 50V	C962	1-124-925-11	ELECT	2.2 μ F 20% 50V
C634	1-128-526-11	ELECT	100 μ F 20% 25V	C964	1-137-364-11	FILM	0.001 μ F 5% 50V
C635	1-128-528-11	ELECT	470 μ F 20% 16V	C965	1-136-165-00	FILM	0.1 μ F 5% 50V
C639	1-137-399-11	FILM	0.1 μ F 5% 50V	C1801	1-102-112-00	CERAMIC	330pF 10% 50V
C640	1-126-964-11	ELECT	10 μ F 20% 50V	C1802	1-102-112-00	CERAMIC	330pF 10% 50V
C641	1-137-364-11	FILM	0.001 μ F 5% 50V				
C901	1-137-399-11	FILM	0.1 μ F 5% 50V				



Les composants identifiés par un trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

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

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
<u>CONNECTOR</u>							
	CN501*	1-580-798-11 CONNECTOR PIN (DY)	6P	D613	8-719-110-49	ZENER DIODE RD18ESB2	
	CN505*	1-564-514-11 PLUG, CONNECTOR	11P	D614	8-719-911-19	DIODE 1SS119	
	CN508*	1-564-515-11 PLUG, CONNECTOR	12P	D617	8-719-109-60	ZENER DIODE RD2.7ESB2	
	CN509*	1-508-879-00 BASE POST		D618	8-719-911-19	DIODE 1SS119	
	CN510	1-695-915-11 TAB (CONTACT)		D620	8-719-911-19	DIODE 1SS119	
	CN600 Δ	1-251-227-11 INLET, AC		D621	8-719-911-19	DIODE 1SS119	
	CN601	1-691-960-11 PIN, CONNECTOR (PC BOARD)	3P	D901	8-719-911-19	DIODE 1SS119	
	CN602	1-695-915-11 TAB (CONTACT)		D902	8-719-911-19	DIODE 1SS119	
	CN604*	1-691-134-11 PIN, CONNECTOR (PC BOARD)	2P	D904	8-719-109-89	ZENER DIODE RD5.6ESB2	
	CN605*	1-506-371-00 PIN, CONNECTOR	2P	D907	8-719-109-88	ZENER DIODE RD5.6ESB1	
	CN606	1-695-915-11 TAB (CONTACT)		D909	8-719-911-19	DIODE 1SS119	
<u>DIODE</u>							
	D401	8-719-110-41 ZENER DIODE RD15ESB2		D910	8-719-911-19	DIODE 1SS119	
	D402	8-719-979-58 DIODE EGP10D		D911	8-719-911-19	DIODE 1SS119	
	D403	8-719-908-03 DIODE GP08D		D912	8-719-911-19	DIODE 1SS119	
	D404	8-719-908-03 DIODE GP08D		D913	8-719-911-19	DIODE 1SS119	
	D405	8-719-908-03 DIODE GP08D		D914	8-719-911-19	DIODE 1SS119	
	D407 Δ	8-719-110-67 ZENER DIODE RD27ESB2		D915	8-719-911-19	DIODE 1SS119	
	D501	8-719-049-12 DIODE 5TUZ52		D916	8-719-911-19	DIODE 1SS119	
	D502	8-719-979-58 DIODE EGP10D		D917	8-719-911-19	DIODE 1SS119	
	D504	8-719-051-97 DIODE 3DL41A(LC6-15)		D918	8-719-911-19	DIODE 1SS119	
	D505	8-719-110-17 ZENER DIODE RD10ESB2		D920	8-719-911-19	DIODE 1SS119	
	D508	8-719-975-77 DIODE SB340		D1803	8-719-311-90	DIODE SEL1922D-C	
	D513	8-719-970-83 DIODE HSS82		D1804	8-719-311-90	DIODE SEL1922D-C	
	D514	8-719-970-83 DIODE HSS82		D1805	8-719-311-90	DIODE SEL1922D-C	
	D515 Δ	8-719-979-58 DIODE EGP10D		D1806	8-719-311-90	DIODE SEL1922D-C	
	D517	8-719-109-97 ZENER DIODE RD6.8ESB2		D1807	8-719-311-15	DIODE SEL1422G	
	D519	8-719-109-97 ZENER DIODE RD6.8ESB2		D1808	8-719-311-90	DIODE SEL1922D-C	
	D522	8-719-911-19 DIODE 1SS119		<u>FUSE</u>			
	D523	8-719-911-19 DIODE 1SS119		F601 Δ	1-576-231-11	FUSE (H.B.C.)	4A/250V
	D525	8-719-110-31 ZENER DIODE RD12ESB2		<u>FERRITE BEAD</u>			
	D526	8-719-018-82 DIODE RGP02-20EL-6394		FB501	1-410-396-41	FERRITE BEAD INDUCTOR	0.45 μ H
	D527	8-719-911-55 DIODE U05G		FB502	1-410-396-41	FERRITE BEAD INDUCTOR	0.45 μ H
	D528	8-719-979-60 DIODE EGP10G		FB601	1-535-303-00	LEAD, JUMPER (5.0MM)	
	D529	8-719-911-19 DIODE 1SS119		FB602	1-410-396-41	FERRITE BEAD INDUCTOR	0.45 μ H
	D530	8-719-901-83 DIODE 1SS83		FB603	1-410-396-41	FERRITE BEAD INDUCTOR	0.45 μ H
	D543	8-719-911-19 DIODE 1SS119		FB604	1-410-396-41	FERRITE BEAD INDUCTOR	0.45 μ H
	D544	8-719-911-19 DIODE 1SS119		FB605	1-410-396-41	FERRITE BEAD INDUCTOR	0.45 μ H
	D557	8-719-109-81 ZENER DIODE RD4.7ESB2		FB606	1-535-303-00	LEAD, JUMPER (5.0MM)	
	D596 Δ	8-719-911-19 DIODE 1SS119		FB607	1-535-303-00	LEAD, JUMPER (5.0MM)	
	D597 Δ	8-719-911-19 DIODE 1SS119		FB901	1-410-397-21	FERRITE BEAD INDUCTOR	1.1 μ H
	D598	8-719-110-41 ZENER DIODE RD15ESB2		FB902	1-410-397-21	FERRITE BEAD INDUCTOR	1.1 μ H
	D599	8-719-911-19 DIODE 1SS119		<u>TERMINAL</u>			
	D601 Δ	8-719-025-88 DIODE GBU4JL-6088		GT002*	1-537-738-21	TERMINAL, EARTH	
	D602	8-719-908-03 DIODE GP08D		<u>IC</u>			
	D604	8-719-908-03 DIODE GP08D		IC400	8-759-803-42	IC LA6500-FA	
	D605	8-719-048-62 DIODE UF3ML-6505		IC500 Δ	8-759-729-03	IC NJM2903D	
	D607	8-719-054-51 DIODE D8LC20U-4012		IC501 Δ	8-759-342-07	IC UPC5023CS-095	
	D608	8-719-979-50 DIODE EGP30D		IC502	8-759-054-26	IC HD74HC123AP	
	D609	8-719-051-97 DIODE 3DL41A(LC6-15)					
	D610	8-719-053-19 DIODE UF40Q7G23					
	D611	8-719-300-76 DIODE RH-1A					

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

Les composants identifiés par un trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
IC504	8-759-980-58	IC TDA8172		Q603	8-729-119-78	TRANSISTOR 2SC2785-HFE	
IC601	8-759-335-24	IC TEA2262		Q604	8-729-119-76	TRANSISTOR 2SA1175-HFE	
IC602	8-759-335-23	IC TDA8138		Q605	8-729-141-83	TRANSISTOR 2SB1094-LK	
IC901	8-759-354-66	ST7271N5B1/CCM		Q606	8-729-119-78	TRANSISTOR 2SC2785-HFE	
IC902	8-759-921-08	IC SN74HC02AN		Q900	8-729-119-78	TRANSISTOR 2SC2785-HFE	
IC903	8-759-165-81	IC PST600D-T		Q901	8-729-119-76	TRANSISTOR 2SA1175-HFE	
IC904	8-759-336-24	IC TDA9103		Q902	8-729-119-78	TRANSISTOR 2SC2785-HFE	
IC905	8-759-000-49	IC MC14066BCP		Q903	8-729-900-36	TRANSISTOR DTC124ES	
IC908	8-759-503-91	IC TL082ACP		Q904	8-729-119-78	TRANSISTOR 2SC2785-HFE	
		<u>COIL</u>		Q907	8-729-119-78	TRANSISTOR 2SC2785-HFE	
L501	1-412-550-11	INDUCTOR 1.2MMH				<u>RESISTOR</u>	
L502	1-412-537-31	INDUCTOR 100 μ H		R002	1-247-807-31	CARBON 100 5% 1/4W	
L504	1-459-104-00	COIL, WITH CORE		R003	1-247-807-31	CARBON 100 5% 1/4W	
L505	1-412-531-31	INDUCTOR 33 μ H		R004	1-249-417-11	CARBON 1K 5% 1/4W	
L506	1-459-104-00	COIL, WITH CORE		R005	1-249-417-11	CARBON 1K 5% 1/4W	
L507	1-412-531-31	INDUCTOR 33 μ H		R006	1-249-417-11	CARBON 1K 5% 1/4W	
L513	1-409-803-11	COIL, HORIZONTAL LINEARITY		R007	1-249-417-11	CARBON 1K 5% 1/4W	
L601	1-412-537-31	INDUCTOR 100 μ H		R008	1-249-417-11	CARBON 1K 5% 1/4W	
L606	1-412-537-31	INDUCTOR 100 μ H		R072	1-215-445-00	METAL 10K 1% 1/4W	
L608	1-406-665-11	COIL, CHOKE 100UH		R401	1-215-443-00	METAL 8.2K 1% 1/4W	
L900	1-412-537-31	INDUCTOR 100 μ H		R402	1-249-429-11	CARBON 10K 5% 1/4W	
L901	1-412-537-31	INDUCTOR 100 μ H		R403	1-249-439-11	CARBON 68K 5% 1/4W	
L902	1-412-537-31	INDUCTOR 100 μ H		R404	1-215-485-00	METAL 470K 1% 1/4W	
L903	1-412-537-31	INDUCTOR 100 μ H		R405	1-249-401-11	CARBON 47 5% 1/4W	
		<u>FILTER</u>		R406	1-215-447-00	METAL 12K 1% 1/4W	
LF601	Δ 1-424-677-11	TRANSFORMER, LINE FILTER		R407	1-215-449-00	METAL 15K 1% 1/4W	
		<u>IC LINK</u>		R408	1-249-383-11	CARBON 1.5 5% 1/4W F	
PS401	Δ 1-532-838-41	LINK, IC 800MA/90V		R409	1-215-429-00	METAL 2.2K 1% 1/4W	
		<u>TRANSISTOR</u>		R410	1-215-883-11	METAL OXIDE 33 5% 2W F	
Q401	8-729-031-89	TRANSISTOR 2SC3941A-Q(TA)		R411	1-215-460-00	METAL 43K 1% 1/4W	
Q402	8-729-119-78	TRANSISTOR 2SC2785-HFE		R412	1-215-439-00	METAL 5.6K 1% 1/4W	
Q403	8-729-119-76	TRANSISTOR 2SA1175-HFE		R415	1-249-419-11	CARBON 1.5K 5% 1/4W	
Q501	8-729-119-76	TRANSISTOR 2SA1175-HFE		R416	1-249-441-11	CARBON 100K 5% 1/4W	
Q502	8-729-931-45	TRANSISTOR IRF614		R417	1-215-427-00	METAL 1.8K 1% 1/4W	
Q503	8-729-027-97	TRANSISTOR IRFI9630G-LF		R418	1-216-391-11	METAL OXIDE 1.5 5% 3W F	
Q507	8-729-027-95	TRANSISTOR 2SC5129(LBSONY)		R419	1-247-887-00	CARBON 220K 5% 1/4W	
Q510	8-729-027-82	TRANSISTOR IRFPE40LF20		R420	1-247-889-00	CARBON 270K 5% 1/4W	
Q512	8-729-027-96	TRANSISTOR IRLI530G		R421	1-202-963-11	METAL 1 1% 1W	
Q513	8-729-027-96	TRANSISTOR IRLI530G		R422	1-215-866-11	METAL OXIDE 330 5% 1W F	
Q514	8-729-027-96	TRANSISTOR IRLI530G		R423	1-215-439-00	METAL 5.6K 1% 1/4W	
Q517	8-729-119-76	TRANSISTOR 2SA1175-HFE		R424	1-215-447-00	METAL 12K 1% 1/4W	
Q520	8-729-900-36	TRANSISTOR DTC124ES		R425	1-215-439-00	METAL 5.6K 1% 1/4W	
Q522	8-729-143-79	TRANSISTOR 2SK738		R426	1-249-383-11	CARBON 1.5 5% 1/4W F	
Q524	8-729-119-78	TRANSISTOR 2SC2785-HFE		R427	1-215-447-00	METAL 12K 1% 1/4W	
Q525	8-729-119-78	TRANSISTOR 2SC2785-HFE		R428	1-249-421-11	CARBON 2.2K 5% 1/4W	
Q526	8-729-119-76	TRANSISTOR 2SA1175-HFE		R429	1-249-417-11	CARBON 1K 5% 1/4W	
Q601	8-729-142-46	TRANSISTOR 2SC2001-LK		R436	1-216-392-11	METAL OXIDE 1.8 5% 3W F	
Q602	8-729-926-52	TRANSISTOR IRFPC40		R440	1-249-428-11	CARBON 8.2K 5% 1/4W	
				R441	1-249-405-11	CARBON 100 5% 1/4W F	
				R444	1-247-863-91	CARBON 22K 5% 1/4W	
				R445	1-215-888-00	METAL OXIDE 220 5% 2W F	
				R450	Δ 1-215-463-00	METAL 56K 1% 1/4W	
				R451	1-216-474-11	METAL OXIDE 82 5% 3W F	
				R452	1-249-428-11	CARBON 8.2K 5% 1/4W	



Les composants identifiés par un tramé et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

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

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R453	1-216-474-11	METAL OXIDE	82 5% 3W F	R569	1-216-427-00	METAL OXIDE	120 5% 1W F
R454	1-219-683-11	METAL	220K 5% 1/2W	R570	1-215-441-00	METAL	6.8K 1% 1/4W
R455	1-216-393-00	METAL OXIDE	2.2 5% 3W F	R571	1-249-377-11	CARBON	0.47 5% 1/4W F
R457 Δ	1-215-476-91	METAL	200K 1% 1/4W	R572	1-249-426-11	CARBON	5.6K 5% 1/4W
R458	1-249-397-11	CARBON	22 5% 1/4W F	R573	1-249-429-11	CARBON	10K 5% 1/4W
R459 Δ	1-215-429-00	METAL	2.2K 1% 1/4W	R574	1-249-429-11	CARBON	10K 5% 1/4W
R460 Δ	1-215-429-00	METAL	2.2K 1% 1/4W	R575	1-249-426-11	CARBON	5.6K 5% 1/4W
R472 Δ	1-249-389-11	CARBON	4.7 5% 1/4W F	R576	1-249-425-11	CARBON	4.7K 5% 1/4W
R473	1-215-469-00	METAL	100K 1% 1/4W	R577 Δ	1-249-437-11	CARBON	47K 5% 1/4W
R474	1-215-493-00	METAL	1M 1% 1/4W	R582	1-249-426-11	CARBON	5.6K 5% 1/4W
R475 Δ	1-215-421-00	METAL	1K 1% 1/4W	R583	1-249-426-11	CARBON	5.6K 5% 1/4W
R480	1-249-397-11	CARBON	22 5% 1/4W F	R589	1-215-449-00	METAL	15K 1% 1/4W
R481	1-249-419-11	CARBON	1.5K 5% 1/4W	R601 Δ	1-202-882-91	SOLID	560K 20% 1/2W
R484	1-249-435-11	CARBON	3.3K 5% 1/4W	R602	1-202-933-61	FUSIBLE	0.1 10% 1/2W F
R485	1-249-421-11	CARBON	2.2K 5% 1/4W	R603	1-215-469-00	METAL	100K 1% 1/4W
R487 Δ	1-249-429-11	CARBON	10K 5% 1/4W	R604	1-211-874-11	FUSIBLE	0.12 10% 1/2W
R490	1-249-417-11	CARBON	1K 5% 1/4W F	R605	1-219-154-11	FUSIBLE	0.12 10% 1/4W
R492 Δ	1-215-472-00	METAL	130K 1% 1/4W	R606	1-219-154-11	FUSIBLE	0.12 10% 1/4W
R493	1-216-477-11	METAL OXIDE	270 5% 3W F	R607	1-216-345-11	METAL OXIDE	0.47 5% 1W F
R494 Δ	1-215-489-00	METAL	680K 1% 1/4W	R608	1-249-417-11	CARBON	1K 5% 1/4W
R496 Δ	1-215-467-00	METAL	82K 1% 1/4W	R609	1-249-417-11	CARBON	1K 5% 1/4W
R497	1-249-417-11	CARBON	1K 5% 1/4W F	R610	1-249-437-11	CARBON	47K 5% 1/4W
R498 Δ	1-215-461-00	METAL	47K 1% 1/4W	R611	1-249-408-11	CARBON	180 5% 1/4W
R499	1-249-377-11	CARBON	0.47 5% 1/4W F	R617	1-219-154-11	FUSIBLE	0.12 10% 1/4W
R502	1-249-417-11	CARBON	1K 5% 1/4W F	R620	1-215-925-11	METAL OXIDE	22K 5% 3W F
R503	1-249-437-11	CARBON	47K 5% 1/4W	R621 Δ	1-215-901-71	METAL OXIDE	33K 5% 2W F
R504	1-249-437-11	CARBON	47K 5% 1/4W	R622	1-211-874-11	FUSIBLE	0.12 10% 1/2W
R505	1-215-427-00	METAL	1.8K 1% 1/4W	R623	1-249-436-11	CARBON	39K 5% 1/4W
R506	1-247-883-00	CARBON	150K 5% 1/4W	R624	1-249-394-11	CARBON	12 5% 1/4W F
R507	1-249-437-11	CARBON	47K 5% 1/4W	R625	1-249-393-11	CARBON	10 5% 1/4W
R508 Δ	1-215-469-00	METAL	100K 1% 1/4W	R626	1-249-429-11	CARBON	10K 5% 1/4W
R509 Δ	1-215-477-00	METAL	220K 1% 1/4W	R627	1-249-405-11	CARBON	100 5% 1/4W (15SF2T)
R511	1-247-887-00	CARBON	220K 5% 1/4W	R628	1-215-463-00	METAL	56K 1% 1/4W
R512 Δ	1-249-438-11	CARBON	56K 5% 1/4W	R629	1-215-421-00	METAL	1K 1% 1/4W
R516	1-215-447-00	METAL	12K 1% 1/4W	R630	1-207-983-00	WIREWOUND	0.18 10% 3W F
R517	1-215-489-00	METAL	680K 1% 1/4W	R631	1-249-441-11	CARBON	100K 5% 1/4W
R518	1-215-475-00	METAL	180K 1% 1/4W	R632	1-247-863-91	CARBON	22K 5% 1/4W
R519	1-249-437-11	CARBON	47K 5% 1/4W	R633	1-249-429-11	CARBON	10K 5% 1/4W
R520	1-215-443-00	METAL	8.2K 1% 1/4W	R634	1-215-433-00	METAL	3.3K 1% 1/4W
R521	1-215-867-00	METAL OXIDE	470 5% 1W F	R635	1-215-419-00	METAL	820 1% 1/4W
R524	1-216-447-00	METAL OXIDE	27 5% 2W F	R636	1-247-791-91	CARBON	22 5% 1/4W
R525	1-215-461-00	METAL	47K 1% 1/4W	R637	1-249-417-11	CARBON	1K 5% 1/4W
R526	1-215-465-00	METAL	68K 1% 1/4W	R638	1-215-421-00	METAL	1K 1% 1/4W
R527	1-215-459-00	METAL	39K 1% 1/4W	R639	1-215-397-00	METAL	100 1% 1/4W
R528	1-215-445-00	METAL	10K 1% 1/4W	R640	1-215-397-00	METAL	100 1% 1/4W
R529	1-249-415-11	CARBON	680 5% 1/4W	R641	1-249-415-11	CARBON	680 5% 1/4W
R530	1-249-931-11	CARBON	2.2K 5% 1/4W F	R642	1-247-863-91	CARBON	22K 5% 1/4W
R531	1-249-432-11	CARBON	18K 5% 1/4W	R645	1-249-427-11	CARBON	6.8K 5% 1/4W
R532	1-249-429-11	CARBON	10K 5% 1/4W	R646	1-215-463-00	METAL	56K 1% 1/4W
R535	1-249-429-11	CARBON	10K 5% 1/4W	R647	1-215-435-00	METAL	3.9K 1% 1/4W
R563	1-249-441-11	CARBON	100K 5% 1/4W	R648	1-249-393-11	CARBON	10 5% 1/4W F
R564	1-249-421-11	CARBON	2.2K 5% 1/4W	R649	1-247-891-00	CARBON	330K 5% 1/4W
R565	1-215-441-00	METAL	6.8K 1% 1/4W	R650	1-215-445-00	METAL	10K 1% 1/4W
R566	1-215-912-11	METAL OXIDE	150 5% 3W F	R651	1-215-449-00	METAL	15K 1% 1/4W
R567	1-215-907-11	METAL OXIDE	22 5% 3W F	R652	1-249-429-11	CARBON	10K 5% 1/4W
R568	1-215-859-00	METAL OXIDE	22 5% 1W F				



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

Les composants identifiés per un trameé et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R656	1-249-403-11	CARBON	68 5% 1/4W	R959	1-215-409-00	METAL	330 1% 1/4W
R657	1-249-417-11	CARBON	1K 5% 1/4W	R960	1-249-429-11	CARBON	10K 5% 1/4W
R658	1-249-417-11	CARBON	1K 5% 1/4W	R961	1-215-459-00	METAL	39K 1% 1/4W
R661 Δ	1-205-985-21	WIREWOUND	1.5 5% 20W	R962	1-249-417-11	CARBON	1K 5% 1/4W
R900	1-249-417-11	CARBON	1K 5% 1/4W	R963	1-249-441-11	CARBON	100K 5% 1/4W
R901	1-249-425-11	CARBON	4.7K 5% 1/4W	R965	1-249-417-11	CARBON	1K 5% 1/4W
R902	1-249-425-11	CARBON	4.7K 5% 1/4W	R966	1-249-441-11	CARBON	100K 5% 1/4W
R903	1-249-425-11	CARBON	4.7K 5% 1/4W	R967	1-249-425-11	CARBON	4.7K 5% 1/4W
R904	1-249-425-11	CARBON	4.7K 5% 1/4W	R969	1-247-863-91	CARBON	22K 5% 1/4W
R905	1-215-471-00	METAL	120K 1% 1/4W	R970 Δ	1-249-417-11	CARBON	1K 5% 1/4W
R907	1-249-417-11	CARBON	1K 5% 1/4W	R972	1-249-429-11	CARBON	10K 5% 1/4W
R908	1-247-863-91	CARBON	22K 5% 1/4W	R974	1-249-393-11	CARBON	10 5% 1/4W F
R910	1-249-437-11	CARBON	47K 5% 1/4W	R975	1-249-421-11	CARBON	2.2K 5% 1/4W
R912	1-215-477-00	METAL	220K 1% 1/4W	R976	1-249-429-11	CARBON	10K 5% 1/4W
R913	1-247-863-91	CARBON	22K 5% 1/4W	R977	1-249-417-11	CARBON	1K 5% 1/4W
R914	1-247-863-91	CARBON	22K 5% 1/4W	R979	1-249-417-11	CARBON	1K 5% 1/4W
R915	1-249-417-11	CARBON	1K 5% 1/4W	R980	1-249-417-11	CARBON	1K 5% 1/4W
R916	1-249-417-11	CARBON	1K 5% 1/4W	R981	1-247-903-00	CARBON	1M 5% 1/4W
R918	1-249-435-11	CARBON	33K 5% 1/4W	R984	1-247-895-91	CARBON	470K 5% 1/4W
R919	1-249-425-11	CARBON	4.7K 5% 1/4W	R985	1-249-427-11	CARBON	6.8K 5% 1/4W
R920	1-249-417-11	CARBON	1K 5% 1/4W	R989	1-247-887-00	CARBON	220K 5% 1/4W
R921	1-247-863-91	CARBON	22K 5% 1/4W	R990	1-249-417-11	CARBON	1K 5% 1/4W
R923	1-249-425-11	CARBON	4.7K 5% 1/4W	R991	1-247-895-91	CARBON	470K 5% 1/4W
R924	1-249-432-11	CARBON	18K 5% 1/4W	R992	1-247-895-91	CARBON	470K 5% 1/4W
R925	1-215-451-00	METAL	18K 1% 1/4W	R993	1-249-417-11	CARBON	1K 5% 1/4W
R926	1-249-434-11	CARBON	27K 5% 1/4W	R994	1-249-431-11	CARBON	15K 5% 1/4W
R927	1-249-434-11	CARBON	27K 5% 1/4W	R997	1-249-414-11	CARBON	560 5% 1/4W
R928	1-249-434-11	CARBON	27K 5% 1/4W	R998	1-247-895-91	CARBON	470K 5% 1/4W
R929	1-249-436-11	CARBON	39K 5% 1/4W	R999	1-249-429-11	CARBON	10K 5% 1/4W
R930	1-247-881-00	CARBON	120K 5% 1/4W	R1000	1-249-440-11	CARBON	82K 5% 1/4W
R931	1-249-428-11	CARBON	8.2K 5% 1/4W	R1001	1-249-429-11	CARBON	10K 5% 1/4W
R932	1-249-428-11	CARBON	8.2K 5% 1/4W	R1002	1-249-417-11	CARBON	1K 5% 1/4W
R933	1-215-445-00	METAL	10K 1% 1/4W	R1801	1-215-433-00	METAL	3.3K 1% 1/4W
R934	1-249-428-11	CARBON	8.2K 5% 1/4W	R1803	1-249-413-11	CARBON	470 5% 1/4W
R935	1-249-428-11	CARBON	8.2K 5% 1/4W	R1804	1-249-413-11	CARBON	470 5% 1/4W
R936	1-249-393-11	CARBON	10 5% 1/4W	R1805	1-249-413-11	CARBON	470 5% 1/4W
R937	1-249-428-11	CARBON	8.2K 5% 1/4W	R1806	1-215-421-00	METAL	1K 1% 1/4W
R938	1-249-425-11	CARBON	4.7K 5% 1/4W	R1807	1-249-413-11	CARBON	470 5% 1/4W
R939	1-249-417-11	CARBON	1K 5% 1/4W	R1808	1-249-413-11	CARBON	470 5% 1/4W
R940	1-215-409-00	METAL	330 1% 1/4W	R1809	1-249-413-11	CARBON	470 5% 1/4W
R941	1-249-434-11	CARBON	27K 5% 1/4W	R1810	1-215-413-00	METAL	470 1% 1/4W
R944	1-249-424-11	CARBON	3.9K 5% 1/4W	R1811	1-215-409-00	METAL	330 1% 1/4W
R945	1-249-424-11	CARBON	3.9K 5% 1/4W	R1812	1-215-413-00	METAL	470 1% 1/4W
R946	1-247-903-00	CARBON	1M 5% 1/4W	R1813	1-215-413-00	METAL	470 1% 1/4W
R947	1-249-439-11	CARBON	68K 5% 1/4W	R1814	1-215-417-00	METAL	680 1% 1/4W
R948	1-247-903-00	CARBON	1M 5% 1/4W	R1815	1-215-469-00	METAL	100K 1% 1/4W
R949	1-247-883-00	CARBON	150K 5% 1/4W	R1817	1-249-413-11	CARBON	470 5% 1/4W
R950	1-247-883-00	CARBON	150K 5% 1/4W	R1818	1-215-425-00	METAL	1.5K 1% 1/4W
R951	1-247-883-00	CARBON	150K 5% 1/4W	R1819	1-215-425-00	METAL	1.5K 1% 1/4W
R952	1-247-883-00	CARBON	150K 5% 1/4W	R1820	1-215-433-00	METAL	3.3K 1% 1/4W
R953	1-249-425-11	CARBON	4.7K 5% 1/4W	R1821	1-249-413-11	CARBON	470 5% 1/4W
R954	1-249-425-11	CARBON	4.7K 5% 1/4W	R1822	1-215-433-00	METAL	3.3K 1% 1/4W
R955	1-249-436-11	CARBON	39K 5% 1/4W	R1823	1-215-413-00	METAL	470 1% 1/4W
R956	1-249-421-11	CARBON	2.2K 5% 1/4W	R1832	1-215-469-00	METAL	100K 1% 1/4W
R957	1-247-852-11	CARBON	7.5K 5% 1/4W				
R958	1-249-420-11	CARBON	1.8K 5% 1/4W				



The components identified by **D** in this manual have been carefully factory-selected for eachset in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

Les composants identifiés par un **D** et une marque **Δ** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

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

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
<u>VARIABLE RESISTOR</u>				<u>THERMISTOR</u>			
D	RV470	Δ 1-241-767-21 RES. ADJ. CERMET	100K	TH501	1-807-796-11	THERMISTOR	
		3-710-578-01 COVER, VOLUME, 6 MOLD (RV470)		TH601	Δ 1-810-990-11	THERMISTOR	
	RV601	1-241-764-11 RES. ADJ. CERMET	10K	<u>THERMISTOR</u>			
<u>RELAY</u>				<u>THERMISTOR</u>			
	RY601	Δ 1-515-840-12 RELAY		THP601	Δ 1-809-827-11	THERMISTOR, POSITIVE	
<u>SWITCH</u>				<u>VARISTOR</u>			
S500	1-572-707-11	SWITCH, LEVER		VA601	Δ 1-113-963-51	CERAMIC 0.001μF 20% 250V	
S501	1-553-809-21	SWITCH, SLIDE		<u>CRISTAL</u>			
S1801	1-762-093-11	SWITCH, TACTILE		X900	1-567-890-11	VIBRATOR, CRYSTAL	
S1802	1-762-093-11	SWITCH, TACTILE		*****			
S1803	1-762-093-11	SWITCH, TACTILE		<u>MISCELLANEOUS</u>			
S1815	1-692-220-11	SWITCH, TACTILE		*****			
S1816	1-692-220-11	SWITCH, TACTILE		Δ 1-409-799-11	COIL, DEMAGNETIZATION		
S1817	1-692-220-11	SWITCH, TACTILE		Δ 1-452-756-11	NECK ASSY, PICTURE TUBE (NA293)		
S1818	1-692-220-11	SWITCH, TACTILE		1-540-005-21	CAP ASSY, HIGH VOLTAGE		
S1819	1-692-431-21	SWITCH, TACTILE		1-765-717-11	CORD SET, POWER (except for US/CND)		
S1821	1-692-220-11	SWITCH, TACTILE		1-765-718-11	CORD SET, POWER (US/CND)		
<u>SPARK GAP</u>				1-775-535-21	CABLE ASSY		
SG501	1-519-422-11	GAP, SPARK		Δ 8-451-469-21	DEFLECTION YOKE Y15FRF2M2		
<u>TRANSFORMER</u>				V901	Δ 8-734-828-05	PICTURE TUBE 15FR2 (DY)	
T501	Δ X-4033-083-1	TRANSFORMER ASSY. FLYBACK (NX-4130/J1E)		V901	Δ 8-734-829-05	PICTURE TUBE 15FR2 (S/DY)	(M36LDJ15X) (except for AUS)
T503	1-429-109-11	TRANSFORMER, FERRITE (DFT)		V901	Δ 8-734-829-05	PICTURE TUBE 15FR2 (S/DY)	(M36LDJ15X) (AUS)
T504	1-429-103-11	TRANSFORMER, FERRITE (HDT)		V901	Δ 8-734-830-05	PICTURE TUBE 15FRF (DY/FILM)	(M36LDJ15X) (15SF2T)
T505	1-426-998-11	TRANSFORMER, FERRITE (HST)					
T601	Δ 1-429-117-11	TRANSFORMER, CONVERTER (SRT)					
T603	1-429-118-11	TRANSFORMER, FERRITE (PST)					