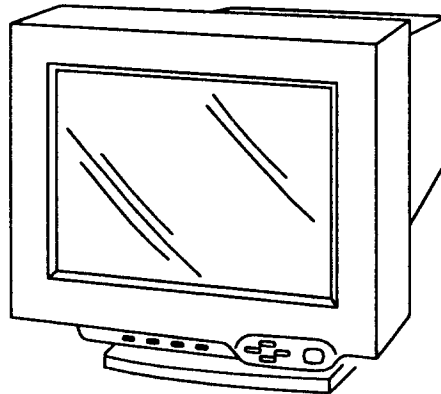


CPD-17SF1

SERVICE MANUAL

Multiscan17sf



*US Model
Canadian Model
AEP Model
ES Model*

Chassis No. SCC-H18A-A

Australian Model

Chassis No. SCC-H35B-A

X-1 CHASSIS

SPECIFICATIONS

Picture Tube	0.25 mm aperture grill pitch 17 inches measured diagonally (16" maximum viewing image) 90° -degree deflection
Video image area	Approx. 328 x 242 mm (w/h) (13 x 9 5/8 inches)
Logical resolution	Horizontal : Max. 1280 dots Vertical : Max. 1024 lines
Physical resolution	Horizontal : Max. 1280 dots Vertical : Max. 1024 lines
Standard image area	Approx. 300 x 225 mm (w/h) (11 7/8 x 8 7/8 inches)
Deflection frequency	Horizontal : 31.5 to 64 kHz Vertical : 50 to 120 Hz
AC input voltage/current	100 to 120 V, 50-60 Hz, 1.8 A 220 to 240 V, 50-60 Hz, 1.0 A
Dimensions	406 x 426.5 x 451 mm (w/h/d) (16 x 16 7/8 x 17 7/8 inches)
Mass	Approx. 19.0kg (41 lb 14 oz)

For Service Manuals
MAURITRON SERVICES
8 Cherry Tree Road, Chinnor
Oxfordshire, OX9 4QY
Tel (01844) 351694
Fax (01844) 352554
email:- mauritron@dial.pipex.com

Design and specifications are subject to change without notice.

TRINITRON® COLOR COMPUTER DISPLAY
SONY®



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. 6%	approx. 10 sec.	off	orange on

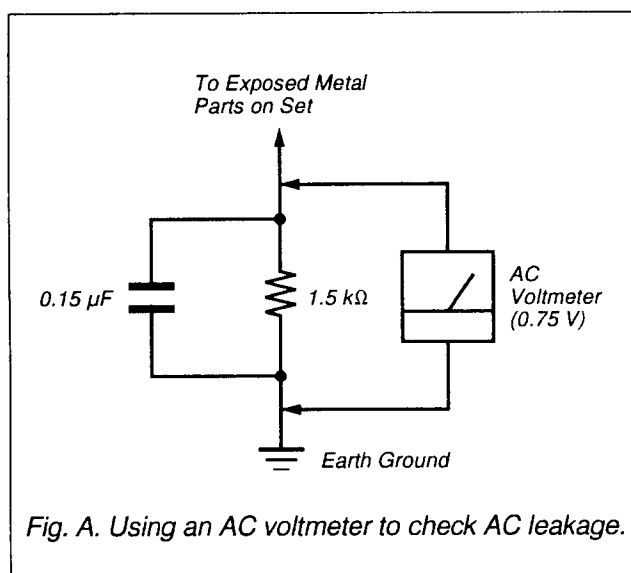
TIMING SPECIFICATION

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	49.727	48.363	60.023	63.953
H-total	31.780	21.330	20.110	20.680	16.660	15.640
H-Front porch	0.635	0.323	0.560	0.369	0.203	0.727
H-Sync width	3.813	1.616	1.110	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	5.580	4.923	3.657	4.000
H-Active (μsec)	25.420	16.160	14.530	15.750	13.000	11.640
Vertical						
Ver. freq. (Hz)	59.940	75.000	74.550	60.000	75.029	59.940
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 \triangle 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 \triangle 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

TABLE OF CONTENTS

<u>Section</u>	<u>Title</u>	<u>Page</u>
1. GENERAL		
	Getting Started	5
	Adjustments	5
	Entering New Timings	6
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 Diagrams	13
5-2.	Frame Schematic Diagram	19
5-3.	Circuit Boards Location	21
5-4.	Schematic Diagrams and Printed Wiring Boards ...	22
	(1) Schematic Diagram of D Board	25
	(2) Schematic Diagram of A Board	29
5-5.	Semiconductors	35
6. EXPLODED VIEWS		
6-1.	Chassis	36
6-2.	Packing Materials	37
7. ELECTRICAL PARTS LIST	38

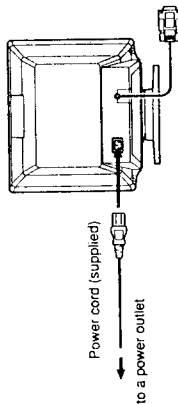
SECTION 1 GENERAL

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.

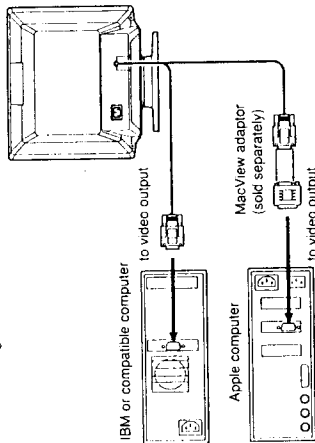
Getting Started

Before using this monitor, please make sure that the following items are included in your package: Multiscan 15sl/17sl 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 31.5 and 64 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.

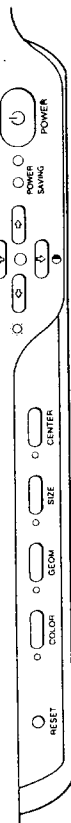
The installation of your Multiscan 15sl/17sl is complete. Enjoy your monitor.

Adjustments

A number of digital controls are provided to allow you to optimize the display parameters to your preferences.

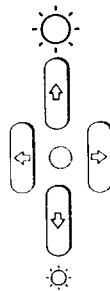
- When the limit value is reached, the POWER SAVING indicator will begin to flash.
- Adjustments will be stored automatically.

Control Panel

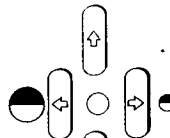


Normal Operation Mode

Brightness



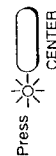
Contrast



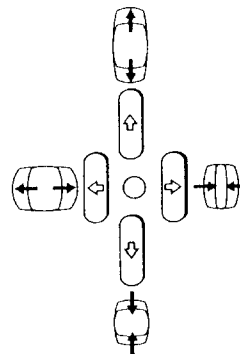
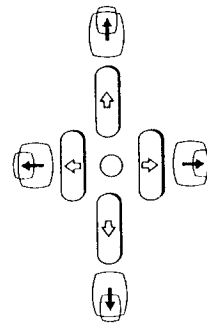
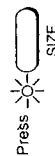
Adjustment Mode

- Select one of the 4 function buttons (CENTER, SIZE, GEOM, COLOR) and adjust as described below.
- The monitor will return to the normal operation mode after 20 seconds.

Centering

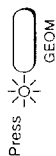


Size

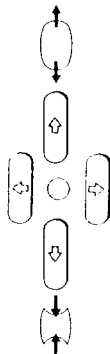


For Service Manuals
MAURITRON SERVICES
8 Cherry Tree Road, Chinnor
Oxfordshire, OX9 4QY.
Tel (01844) 351694
Fax (01844) 352554
email:- mauritron@dial.pipex.com

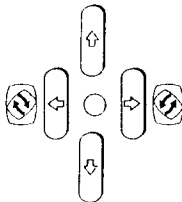
Geometry



Pincushion (Bowing of the sides)



Raster Rotation

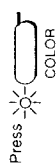


Resetting

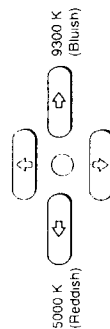
- Press the RESET button to recall the factory settings for brightness, contrast, horizontal and vertical size, center and pincushion for the mode currently in use.
- Press and hold the RESET button for 2 seconds to recall factory setting for all adjustments in all modes.



Color Temperature

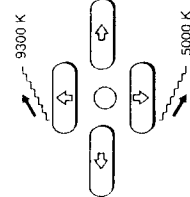


Preset color temperature



Monitor is initially set to 9300K.

User adjustable color temperature



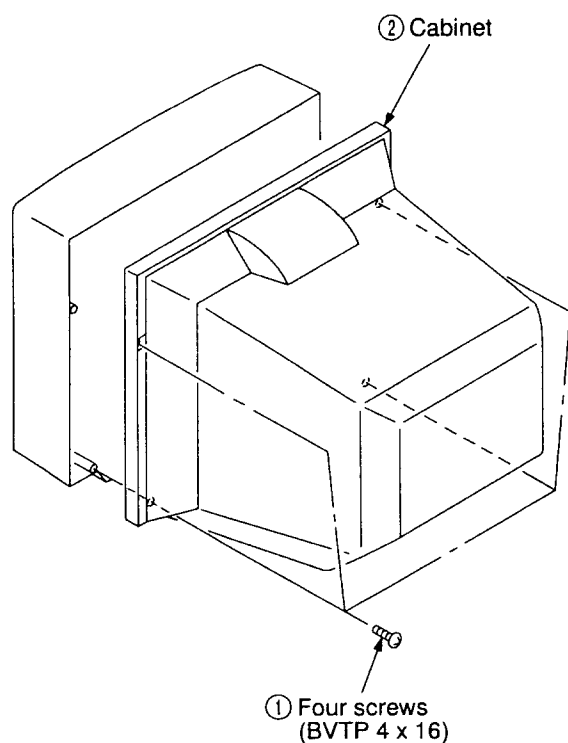
You can choose between the two factory preset color temperatures or adjust the color temperature to your preferences within a range of 5000 K – 9300 K. Your most recent adjusted color temperature will be recalled by pressing ϕ or ψ button.

Entering New Timings

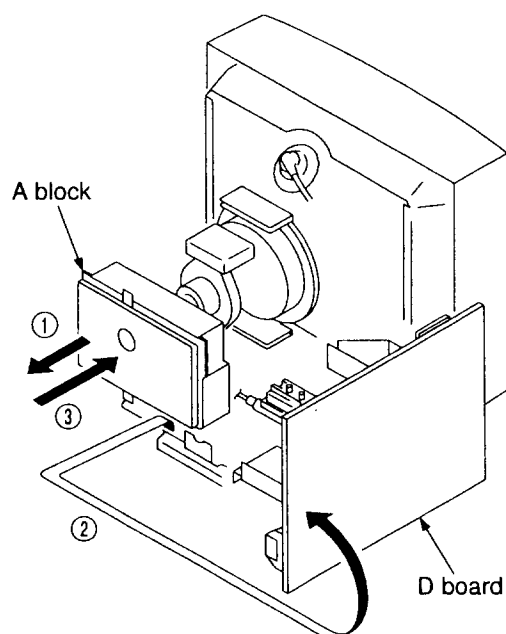
When using a video mode that is not one of the 6 factory preset modes, some fine tuning may be required to optimize the display to your preferences. Simply adjust the monitor according to the preceding adjustment instructions. The adjustments will be stored automatically and recalled whenever that mode is used. A total of 10 user-defined modes can be stored in memory. If an 11th mode is entered, it will replace the first.

SECTION 2 DISASSEMBLY

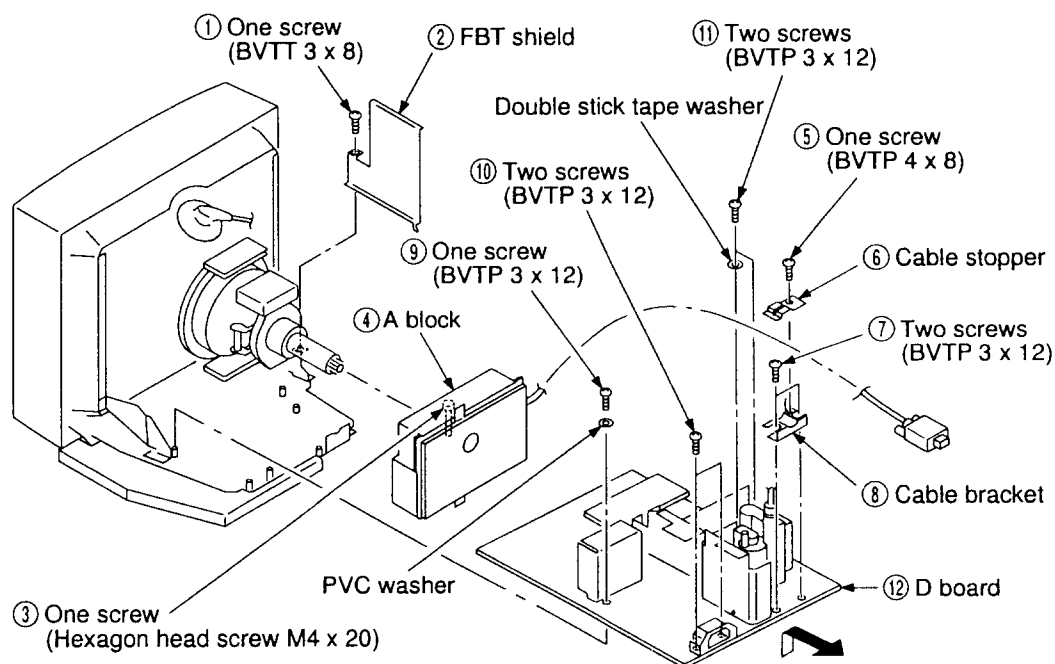
2-1. CABINET REMOVAL



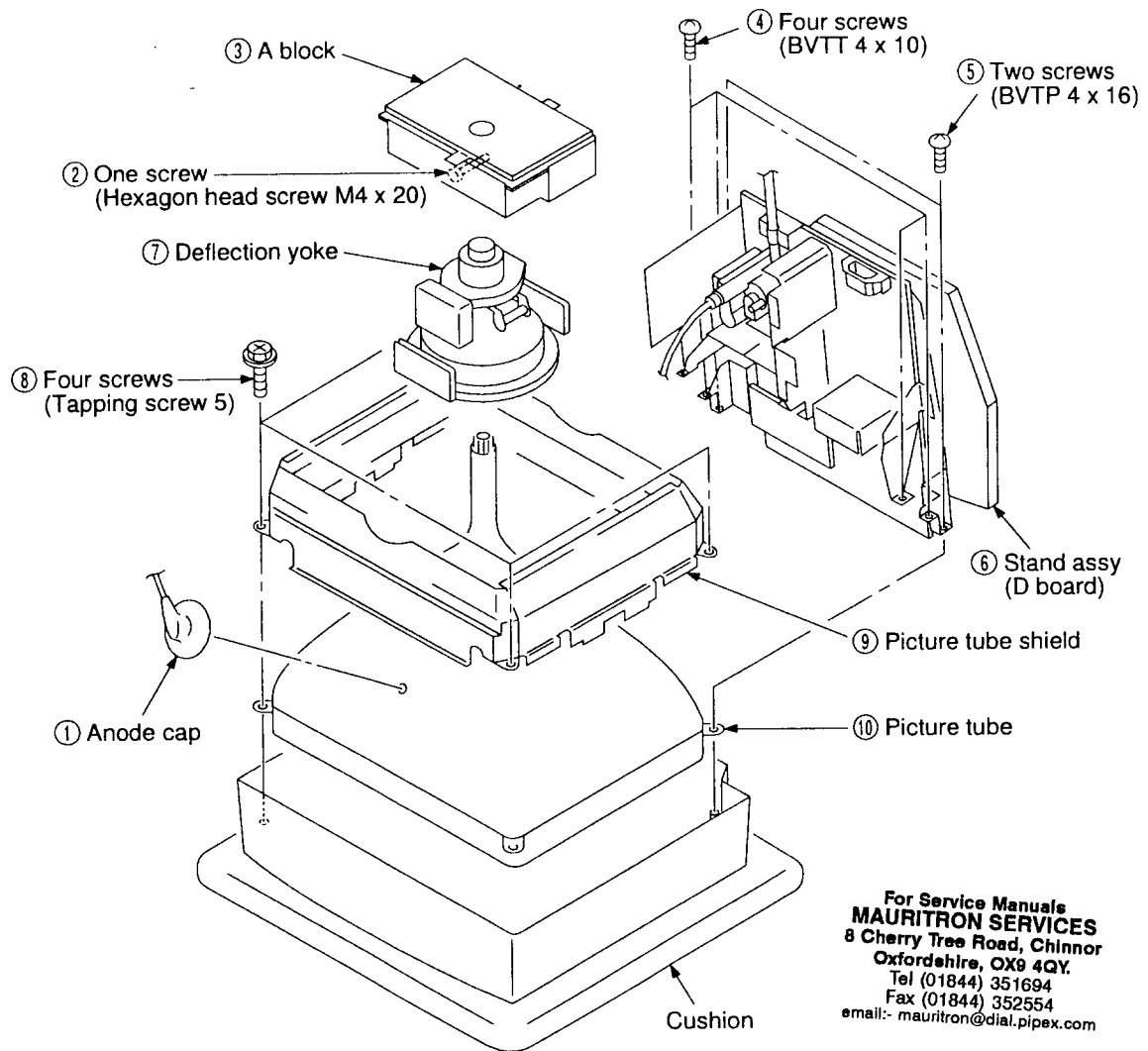
2-2. SERVICE POSITION



2-3. D BOARD REMOVAL



2-4. PICTURE TUBE REMOVAL

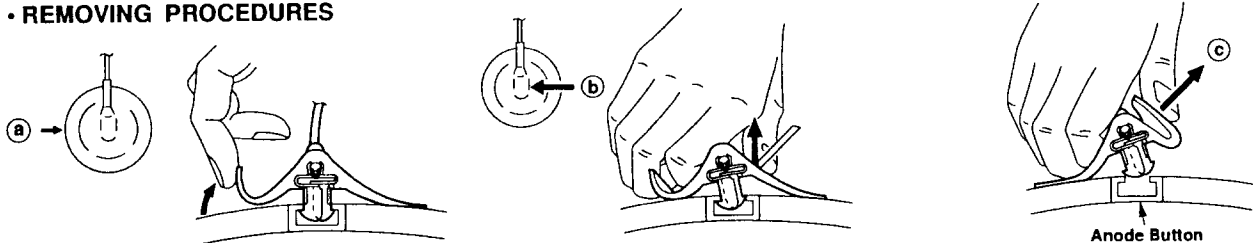


For Service Manuals
MAURITRON SERVICES
 8 Cherry Tree Road, Chinnor
 Oxfordshire, OX9 4QY.
 Tel (01844) 351694
 Fax (01844) 352554
 email:- mauritron@dial.pipex.com

• 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.

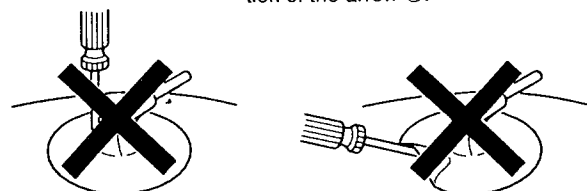
• REMOVING PROCEDURES



- 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 IC506, FBT (T501), R457, R475, R485, R487, R509, R512, R610, RV470, C544
HV Hold-Down Circuit	D board IC501, IC503, Q515, D004, D005, D515, D517, R472, R494, R496, R510, R572, R573, RV501 • Mounted D board N board • Mounted N board
Beam Current Protector Circuit	D board IC501, IC503, IC512, Q506, D536, R434, R435, R459, R462, R469, R505, R571, R574, R575, R576, R577, R578, R632 • Mounted D board N board • Mounted N board

※ Confirm one minute later turning on the power.

a) HV Hold-Down Check

- 1) Input 23.30 ± 0.1 V DC to Cathode of D515 from external power supply to check that the raster goes out.

b) Beam Protector Check

- 1) Confirm that the raster appears on the CRT screen.
- 2) Short between pin ⑥ of IC 503 and GND further short between pin ⑭ of CN513 and 5V line.
- 3) Using an external DC power supply, apply the voltage shown below between R435, R505 and GND, and confirm that the voltage of the pin ⑤ of IC503 is within the voltage range shown below.

Input voltage 0.65 ± 0.05 V DC

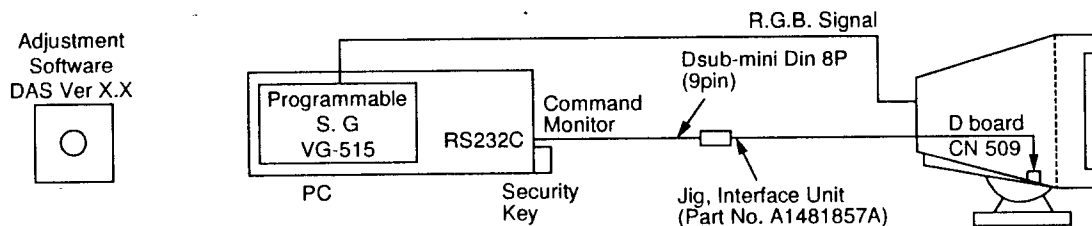
Check condition less than 2.5 V DC

c) +B Regulator Check

- 1) Input cross-hatch signal.
- 2) Minimize contrast and bright.
- 3) Check that the voltage at pin ⑥ of CN505 is 150 ± 2 V DC.

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.



● 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" and "H.SHIFT" to "127". (CENTER)
- 3) Select the minimum point of right and left difference of the raster at connector inserting change (CN506). Then fine adjust H.CENT at H CENTER VR (RV501).

※ Connector inserting change : Correction direction change-over.

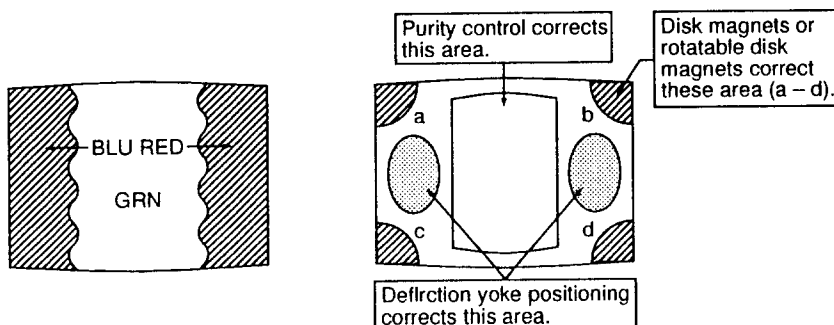
※ H CENTER : Correction range adjustment.

● BEAM LANDING Adjustment

Preparation

- Face the PICTURE TUBE to east or west so as not to be influenced by magnetic force.
- Turn ON the POWER switch, and degauss the entire screen with degausser.

- 1) Receive a signal of 768 LINE ($f_H = 48.7$ kHz) with signal generator.
- 2) Set purity controls to center position.
- 3) Switch over the signal generator to green.
- 4) Move the deflection yoke backward, and adjust purity magnet so that the green on the screen to become in the center of screen.
- 5) Move the deflection yoke forward, and adjust with so that the entire screen to become green entirely.
- 6) Switch over the signal to blue and green, and confirm the condition.
- 7) When landing at the corners is not right, correct by using the magnet.

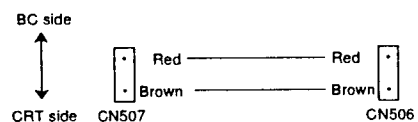


☆ Polarity Change-over

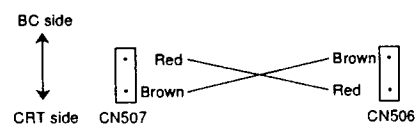
(Raster swings by changing CN506)

< Top View of the board >

In moving raster to the left.

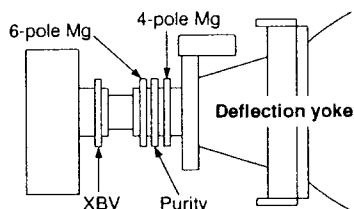


In moving raster to the right.



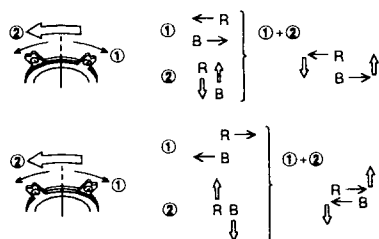
● Convergence Adjustment

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



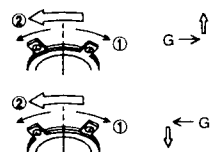
- 1) Receive R.B. cross-hatch.
- 2) Adjust H.STAT and V.STAT at four-pole magnet.

< 4 Pole Magnet >



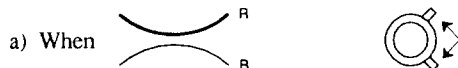
- 3) Receive White cross-hatch.
- 4) Adjust HMC and VMC at six-pole magnet.

< 6 Pole Magnet >

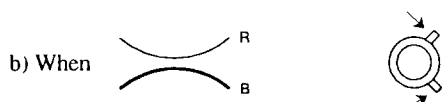


- 5) Receive R.B. cross-hatch.
- 6) Adjust XBV at XBV magnet.

XBV Correction



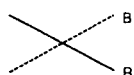
1. Open XBV. (Do not move H.STAT)
2. Re-adjust H.STAT with four-pole at NECK Ass'y.



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

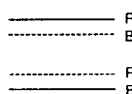
- 7) Repeat the above procedure so that R.G.B. will be on X. Y axis.
- 8) Adjust H.TILT by swinging the DY neck right and left.
- 9) Adjust XCV with XCV core.

XCV movement



- 10) Adjust V.TILT with TLV VR.

TLV movement



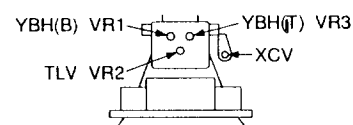
- 11) Adjust Y.CLOTH with YCH VR.

YCH movement

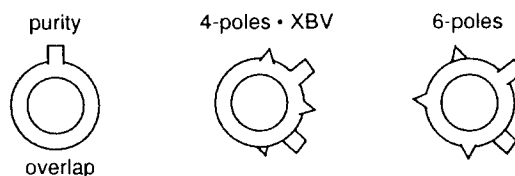


- 12) Paint lock the four-, six-pole Mg.

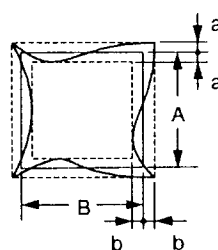
< VR Adjustment on DY >



<Zero position of the magnet>



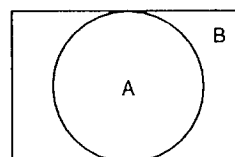
● Vertical and Horizontal Position and Size Specification



$a < 2.5\text{mm}$
 $b < 2.5\text{mm}$

A	B
225	300

● Convergence Specification



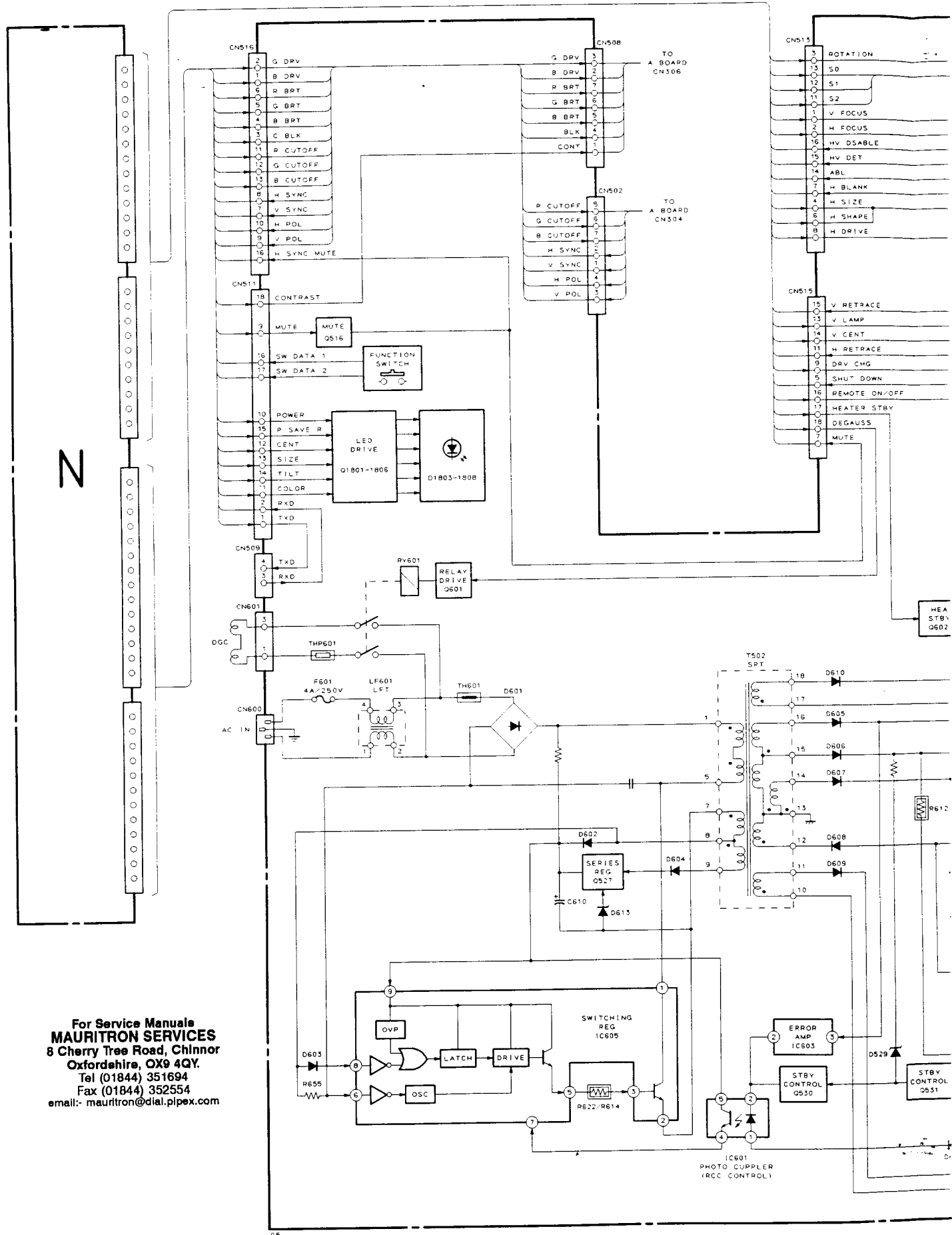
$a \leq 0.30\text{mm}$
 $b \leq 0.35\text{mm}$

MEMO

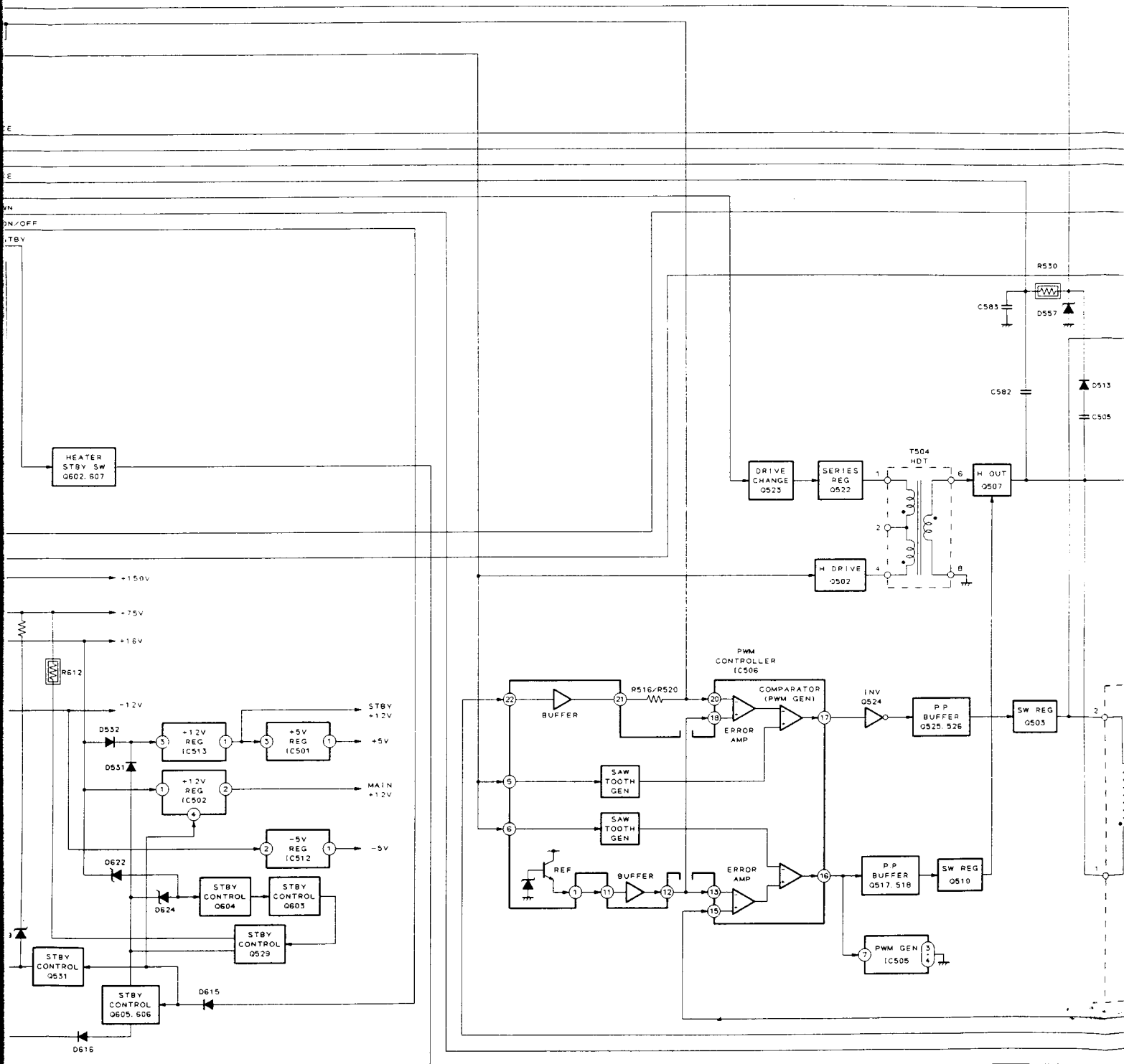
Handwritten notes in the memo section, including the word "L" on the 18th line.

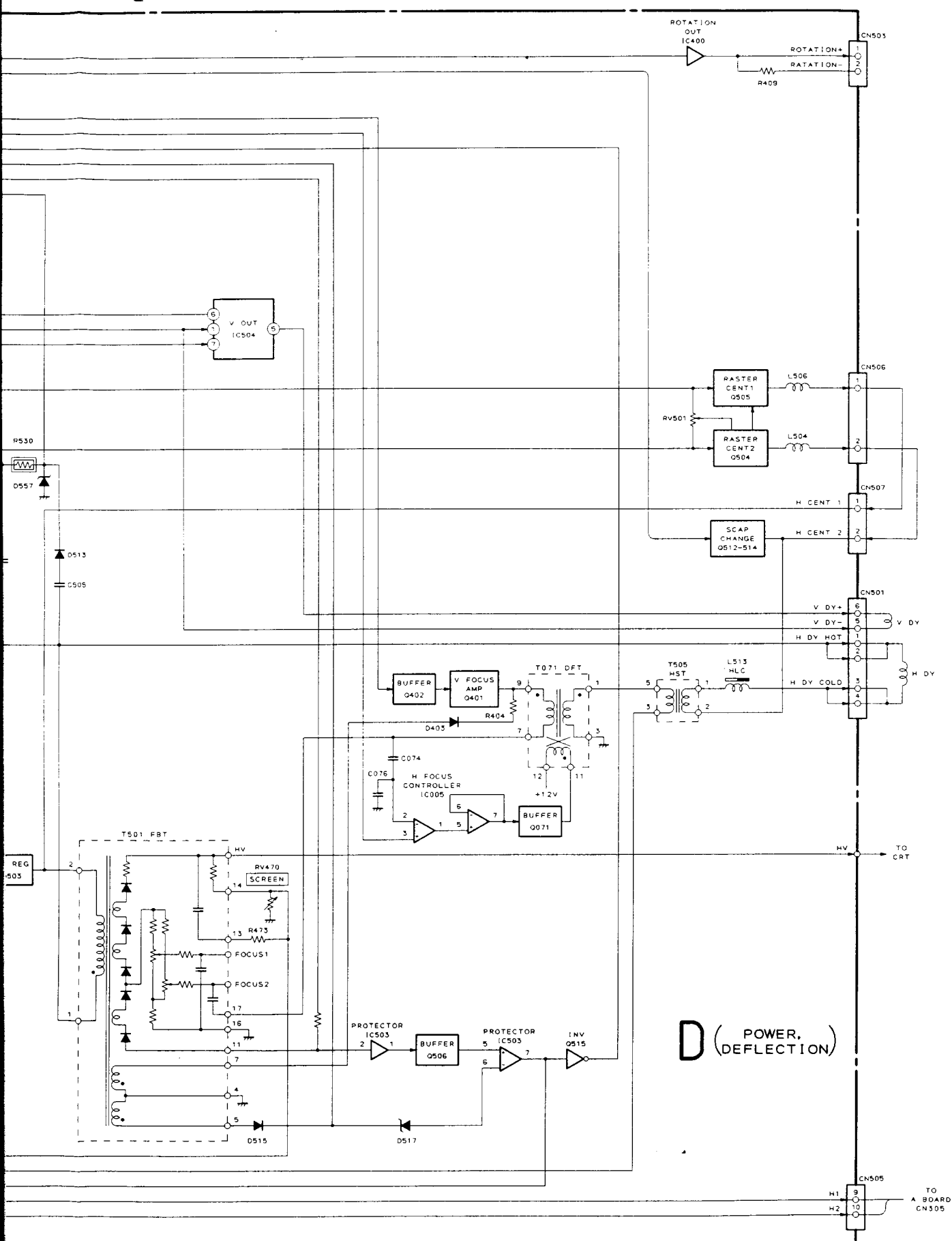
SECTION 5 DIAGRAMS

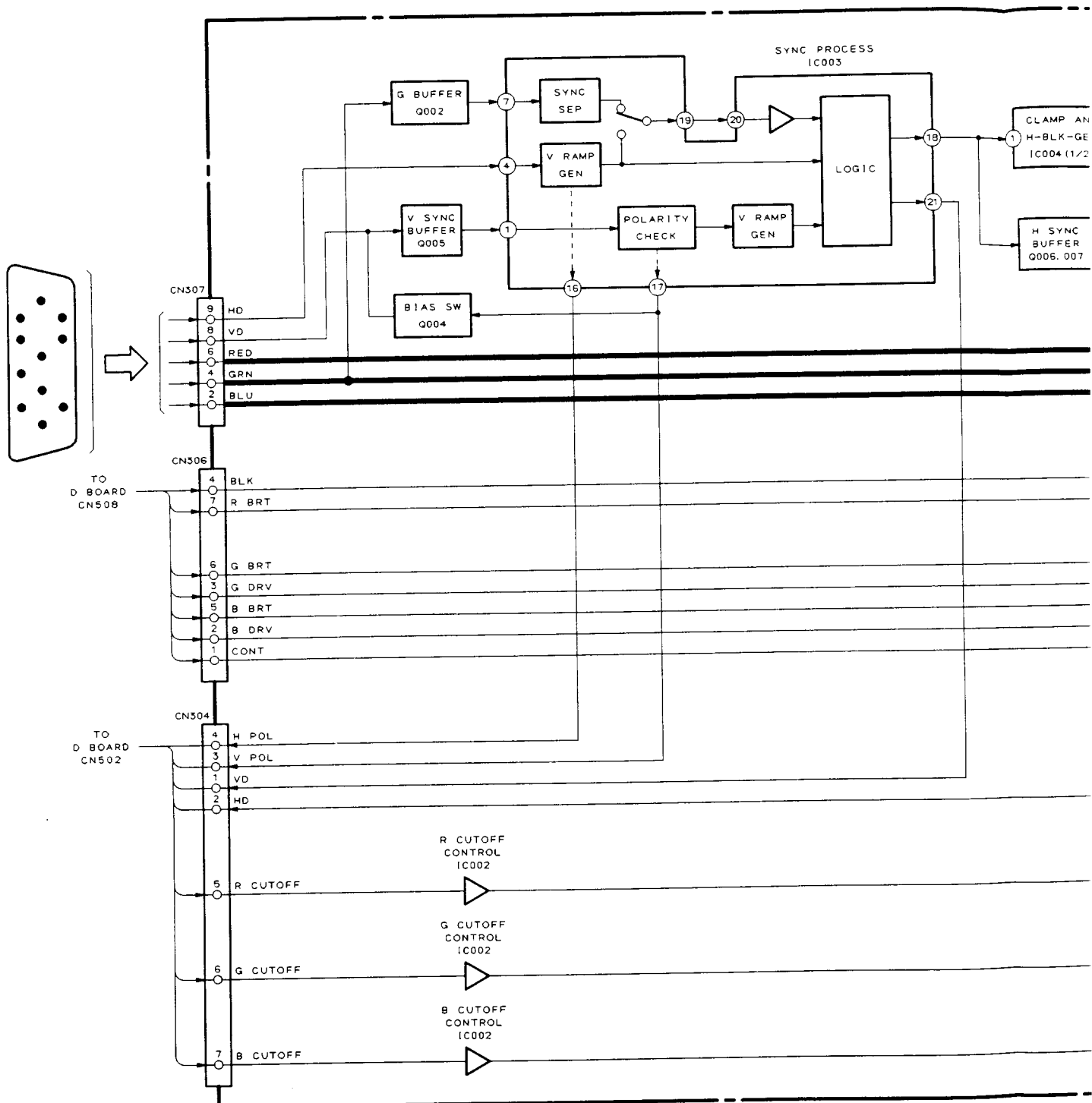
5-1. BLOCK DIAGRAMS

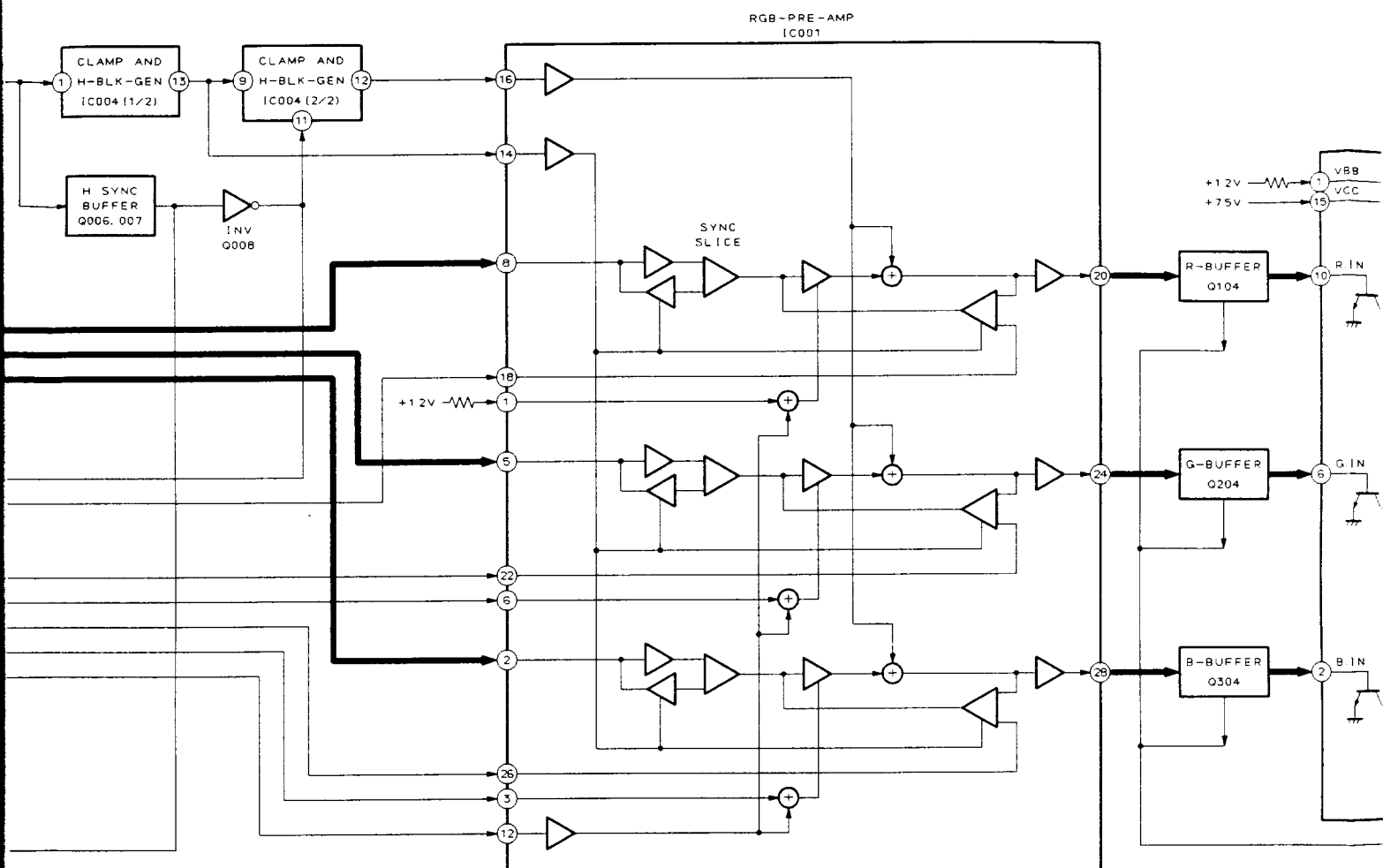


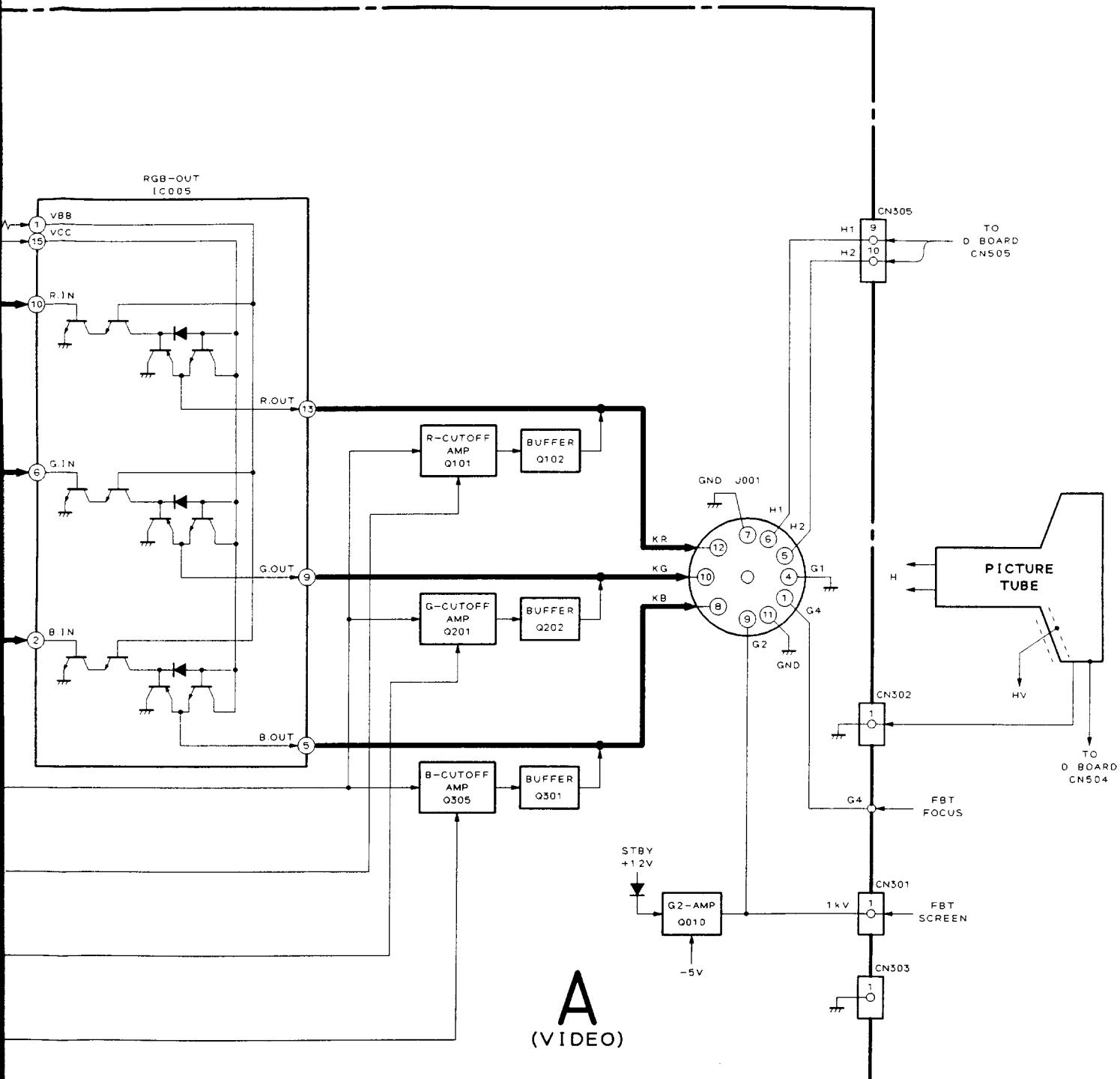
For Service Manuals
MAURITRON SERVICES
 8 Cherry Tree Road, Chinnor
 Oxfordshire, OX9 4QY.
 Tel (01844) 351694
 Fax (01844) 352554
 email:- mauritron@dia.pipex.com



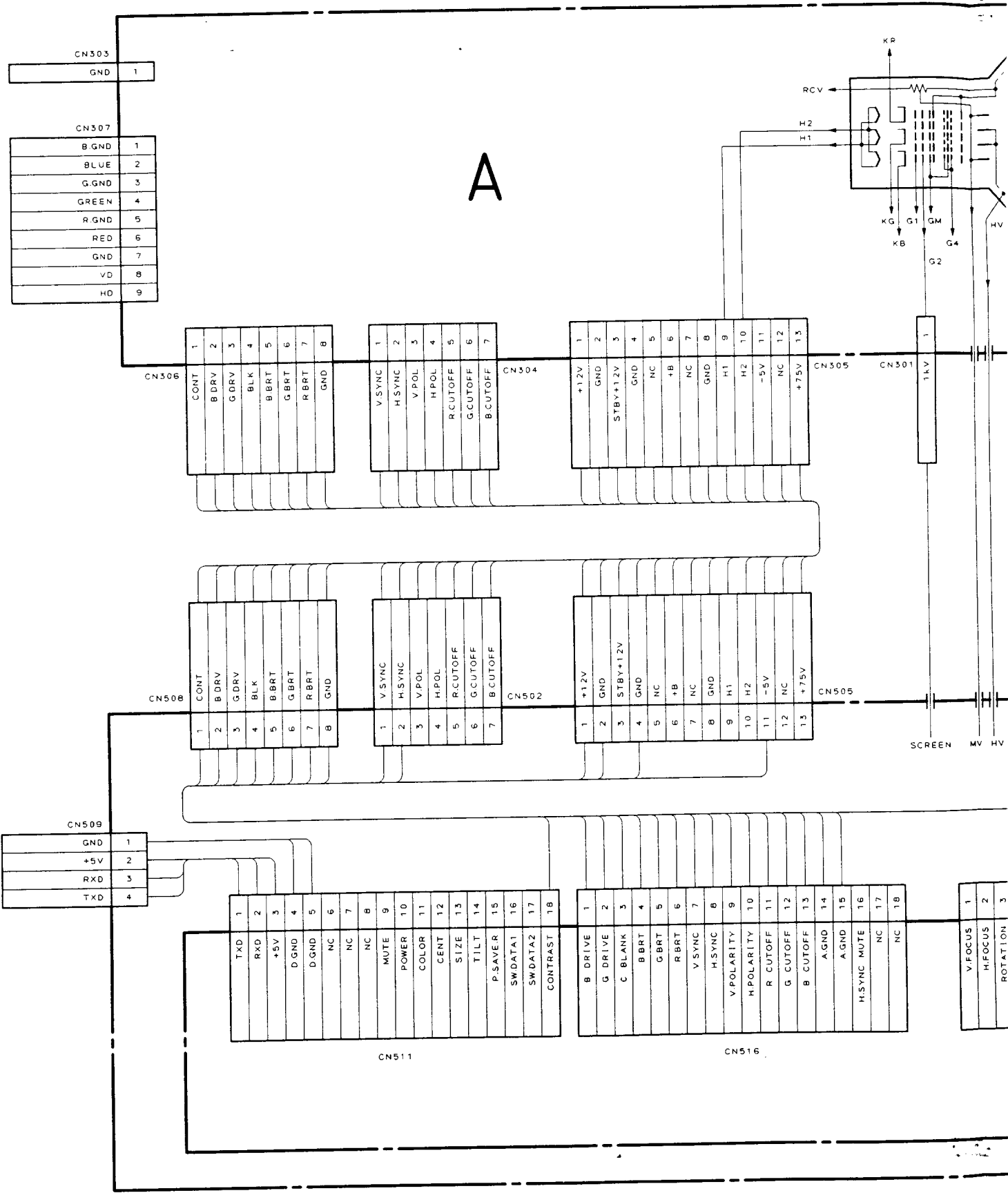


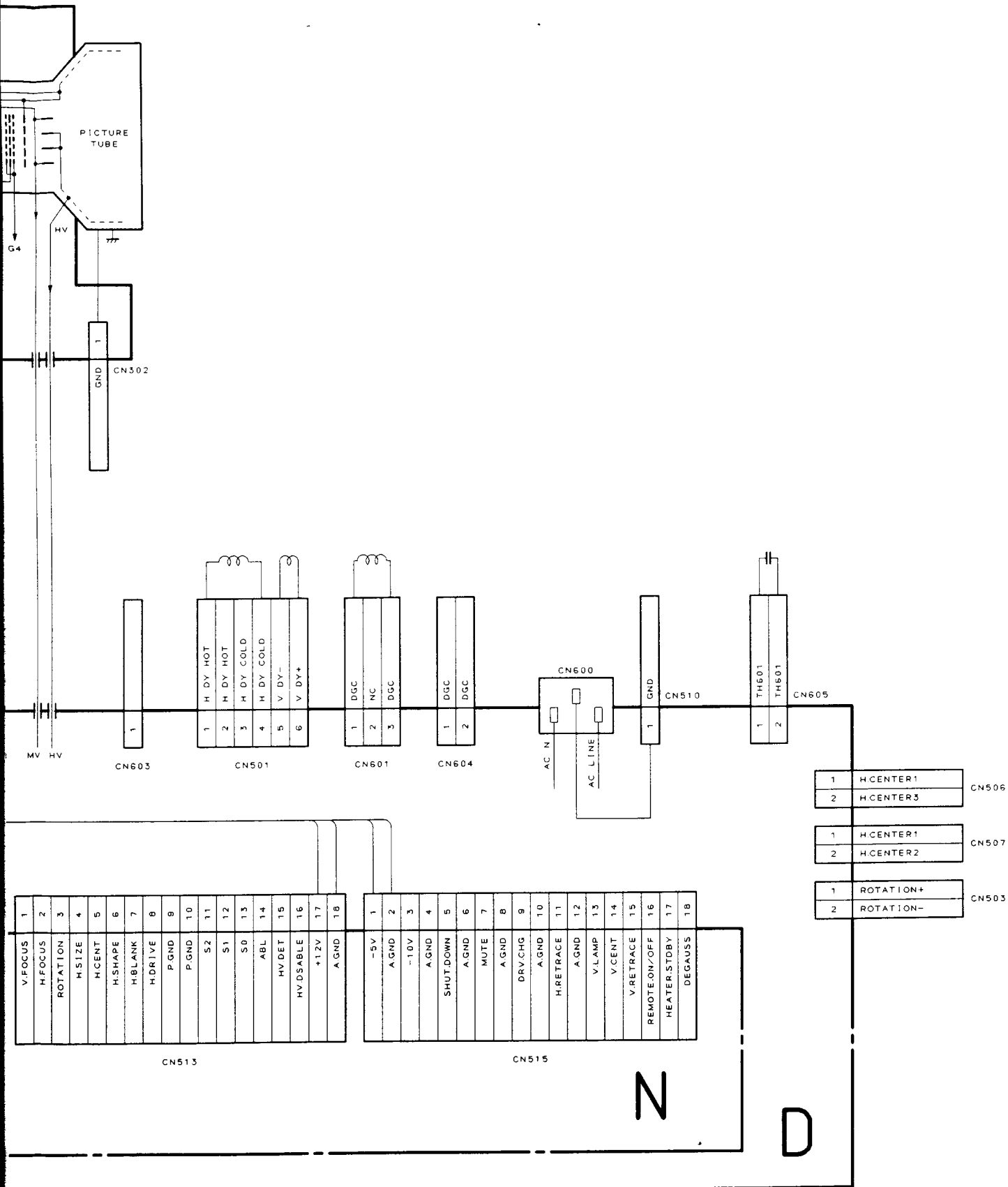




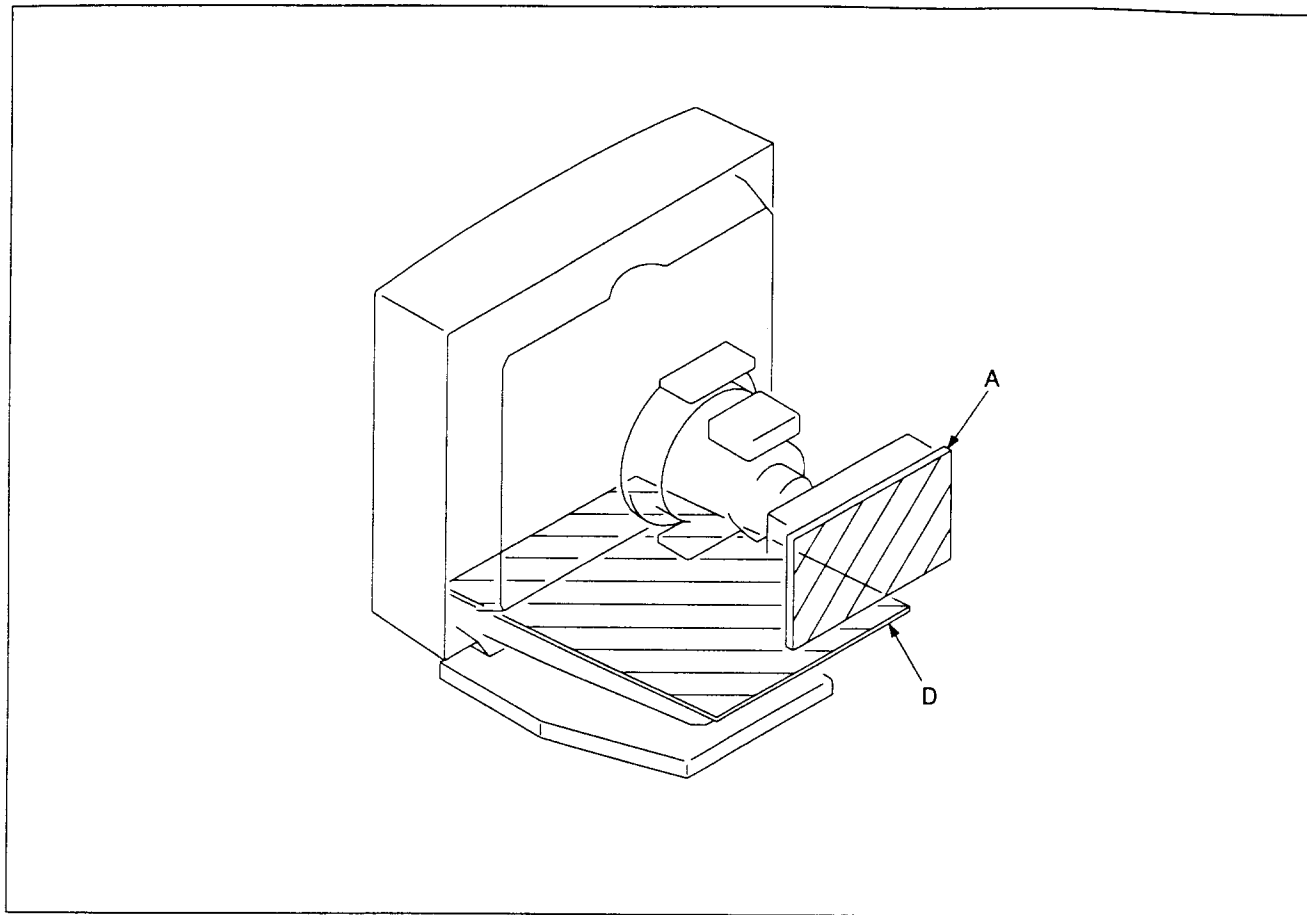


5-2. FRAME SCHEMATIC DIAGRAM





5-3. CIRCUIT BOARDS LOCATION



4. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS


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 rating
electrical power, is as follows.


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

All resistors are in ohms.


 : nonflammable resistor.


 : fusible resistor.


 : internal component.


 : panel designation, and adjustment for repair.

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


 : earth-ground.


 : earth-chassis.



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


When replacing components identified by  make the
necessary adjustments indicated. (See page 9)


When replacing the part in below table, be sure to perform the
related adjustment.

Part replaced ()	
RV470	SCREEN

Part replaced ()		
D board	IC508, FBT (T501), R457, R475, R485, R487, R509, R512, R810, RV470, C544	HV Regulator Circuit
D board	IC501, IC503, Q515, D004, D005, D515, D517, R472, R494, R498, R510, R572, R573, RV501 • Mounted D board	HV Hold-Down Circuit
N board	• Mounted N board	
D board	IC501, IC503, IC512, Q508, D538, R434, R435, R459, R482, R489, R505, R571, R574, R575, R578, R577, R578, R832 • Mounted D board	Beam Current Protector Circuit
N board	• Mounted N board	

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

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

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

● D BOARD

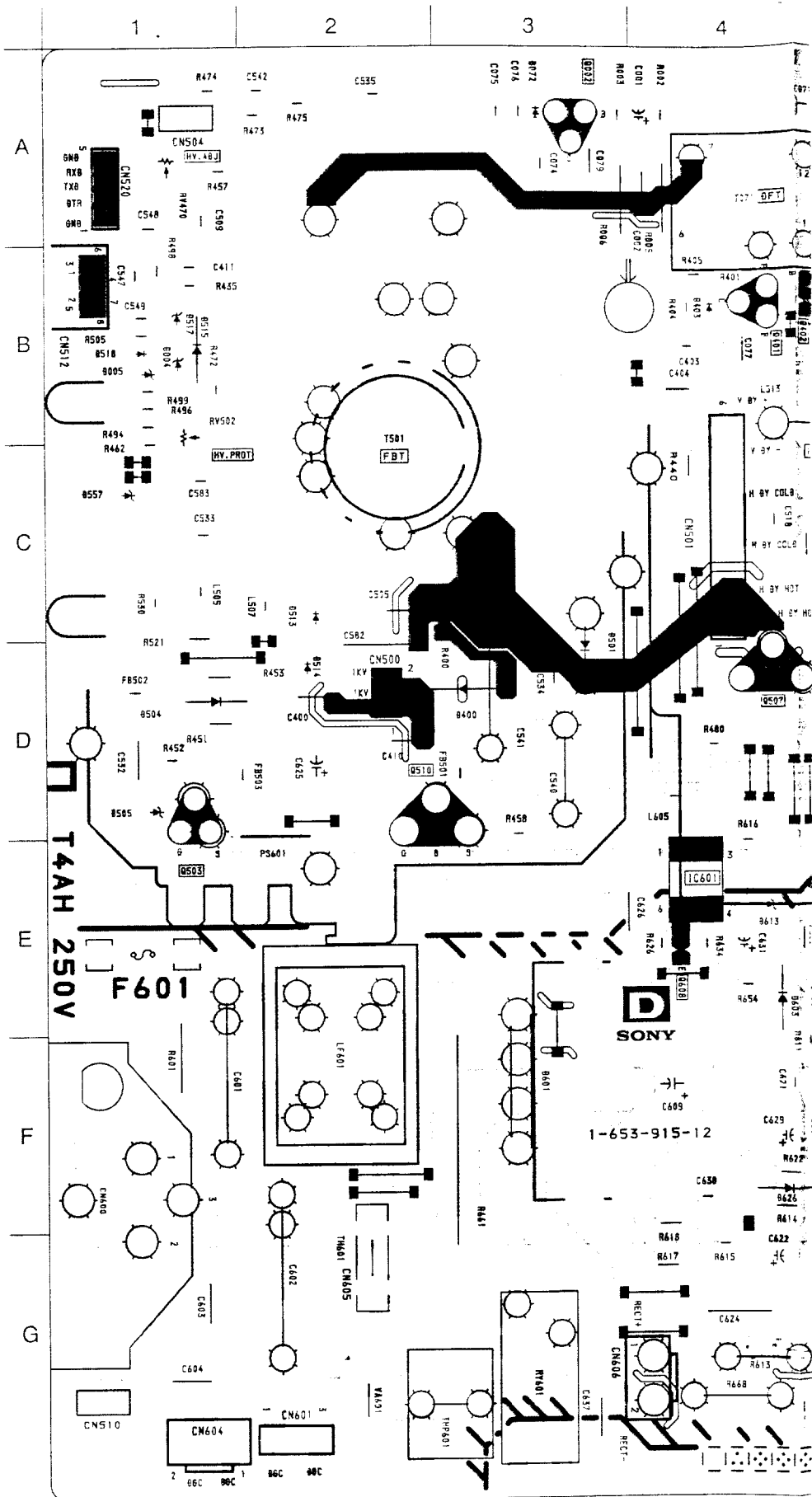
IC		Q60
IC005	B-5	Q60
IC400	E-7	Q60
IC501	G-9	Q60
IC502	E-7	Q18
IC503	F-9	Q18
IC504	B-6	Q18
IC505	E-8	Q18
IC506	E-9	Q18
IC512	E-6	Q18
IC513	F-9	
IC601	E-4	
IC603	D-5	
IC605	F-5	
TRANSISTOR		
Q001	A-7	D0
Q002	A-3	D0
Q071	A-5	D4
Q400	D-8	D4
Q401	B-4	D4
Q402	B-4	D4
Q403	D-9	D4
Q404	D-9	D4
Q405	C-8	D4
Q502	D-6	D5
Q503	D-1	D5
Q504	G-7	D5
Q505	G-8	D5
Q506	E-8	D5
Q507	D-4	D5
Q510	D-2	D5
Q512	B-6	D5
Q513	C-7	D5
Q514	B-7	D5
Q515	C-9	D5
Q516	B-8	D5
Q517	D-7	D5
Q518	D-7	D5
Q522	C-7	C
Q523	D-9	C
Q524	D-9	C
Q525	D-8	C
Q526	D-8	C
Q527	E-5	C
Q529	G-8	C
Q530	F-9	C
Q531	F-9	C
Q601	G-5	C
Q602	G-9	C
Q603	G-9	C

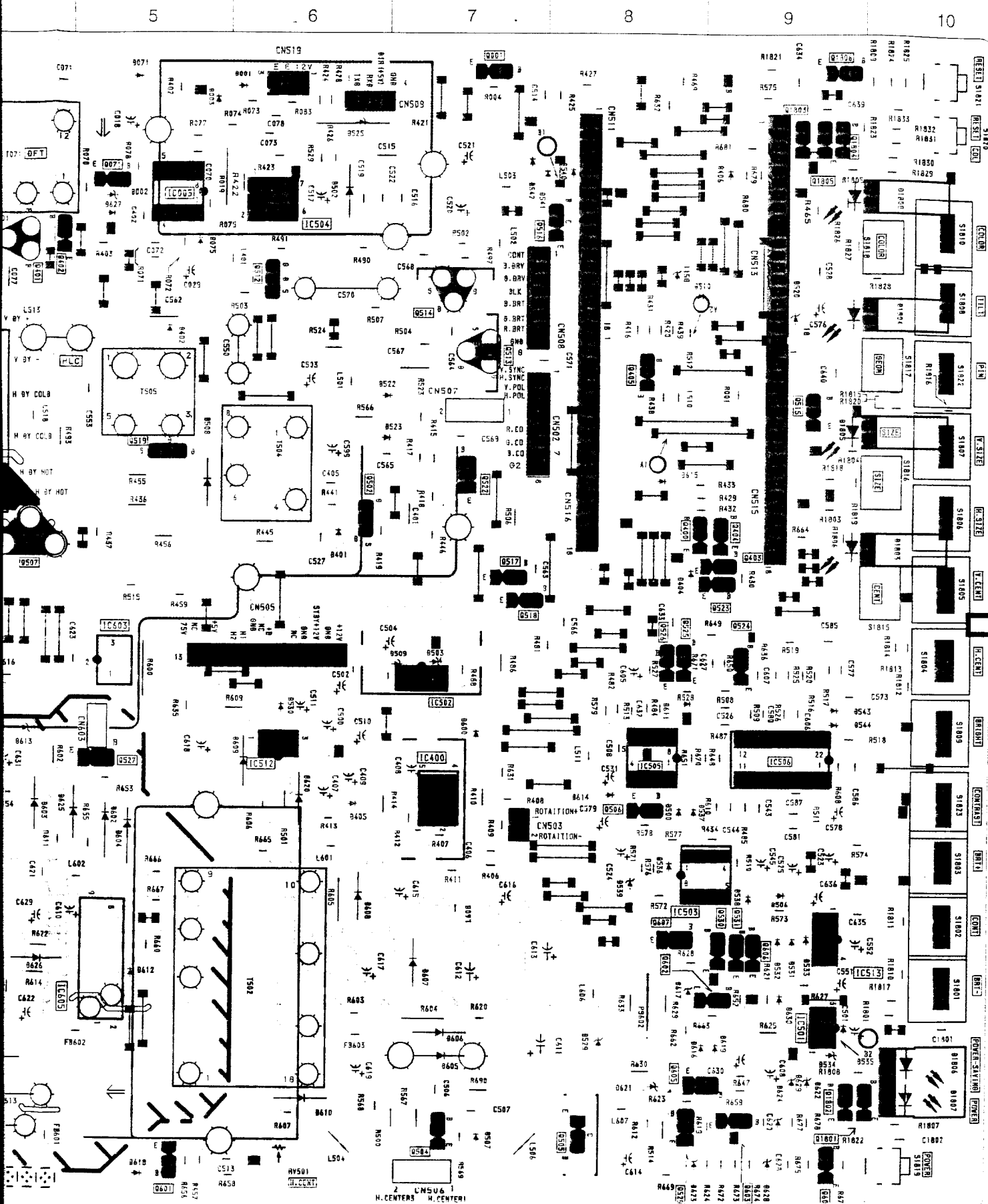
D [POWER
DEFLECTION]

— D Board —

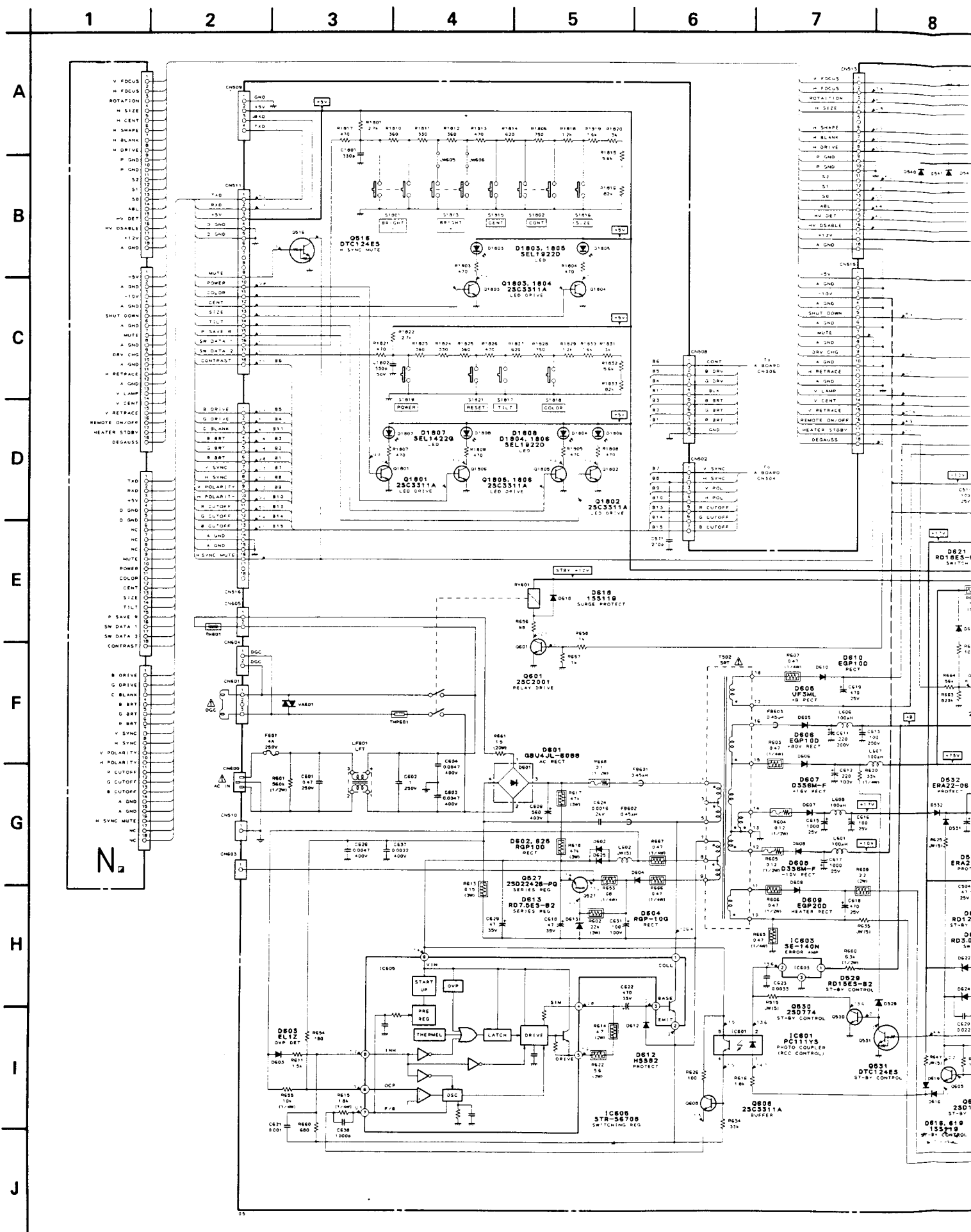
BOARD

IC		Q604	G-9	D536	F-8	
005	B-5	Q605	G-9	D537	E-8	
400	E-7	Q606	F-9	D538	F-9	
501	G-9	Q607	F-8	D539	F-8	
502	E-7	Q608	E-4	D540	A-8	
503	F-9	Q1801	G-10	D541	A-7	
504	B-6	Q1802	G-9	D542	A-7	
505	E-8	Q1803	A-9	D543	E-9	
506	E-9	Q1804	A-9	D544	E-9	
512	E-6	Q1805	A-9	D557	C-1	
513	F-9	Q1806	A-9	D600	E-7	
601	E-4			D601	F-3	
603	D-5			D602	E-5	
605	F-5			D603	E-4	
TRANSISTOR		DIODE			D604	E-5
		D001	A-6	D605	G-7	
001	A-7	D004	B-1	D606	G-7	
002	A-3	D005	B-1	D607	F-7	
071	A-5	D071	A-5	D608	F-6	
000	D-8	D072	A-3	D609	E-6	
001	B-4	D075	B-5	D610	G-6	
002	B-4	D400	D-3	D611	E-8	
003	D-9	D401	C-6	D612	F-5	
004	D-9	D402	B-5	D613	E-4	
005	C-8	D403	B-4	D614	E-8	
002	D-6	D404	D-8	D615	G-5	
003	D-1	D405	E-6	D616	G-8	
004	G-7	D406	A-9	D617	F-8	
005	G-8	D501	D-3	D618	G-5	
006	E-8	D502	A-6	D619	G-9	
007	D-4	D503	D-7	D620	E-6	
010	D-2	D504	D-1	D621	G-8	
012	B-6	D505	D-1	D622	G-9	
013	C-7	D506	F-9	D623	G-8	
014	B-7	D507	G-7	D624	G-9	
015	C-9	D508	C-5	D625	E-5	
016	B-8	D509	D-7	D627	B-5	
017	D-7	D510	B-8	D628	G-9	
018	D-7	D511	B-8	D629	G-9	
022	C-7	D513	C-2	D630	G-9	
023	D-9	D514	D-2	D1803	D-9	
024	D-9	D515	B-1	D1804	B-9	
025	D-8	D517	B-1	D1805	C-9	
026	D-8	D520	B-9	D1806	G-10	
027	E-5	D522	C-6	D1807	G-10	
029	G-8	D523	C-6	D1808	B-9	
030	F-9	D525	A-6			
031	F-9	D529	G-8			
001	G-5	D530	E-6	VARIABLE RESISTOR		
002	G-9	D531	F-9	RV470	A-1	
003	G-9	D532	F-9	RV501	B-1	
		D533	F-9			
		D534	G-9			
		D535	G-9			

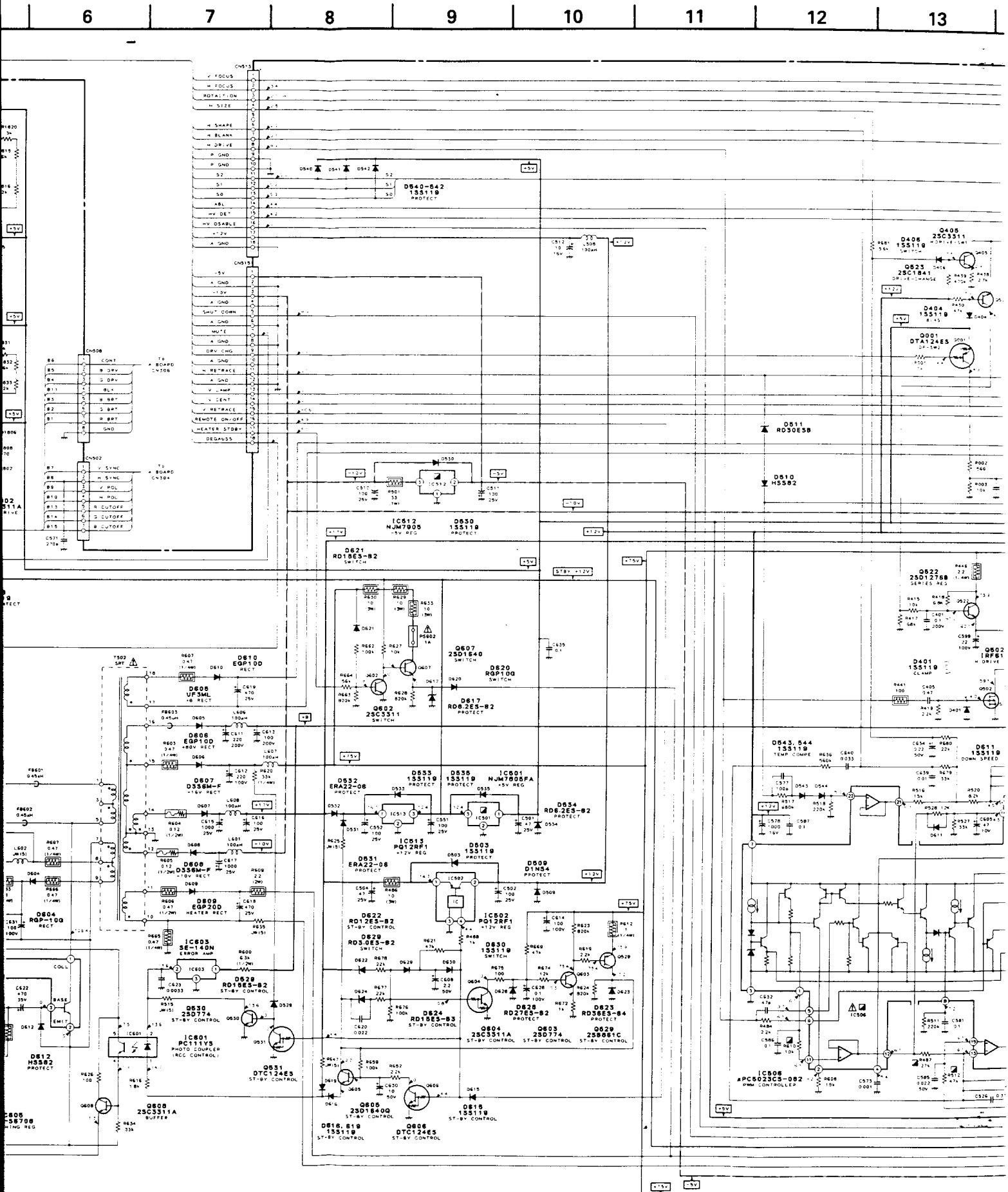




(1) Schematic Diagram of D Board

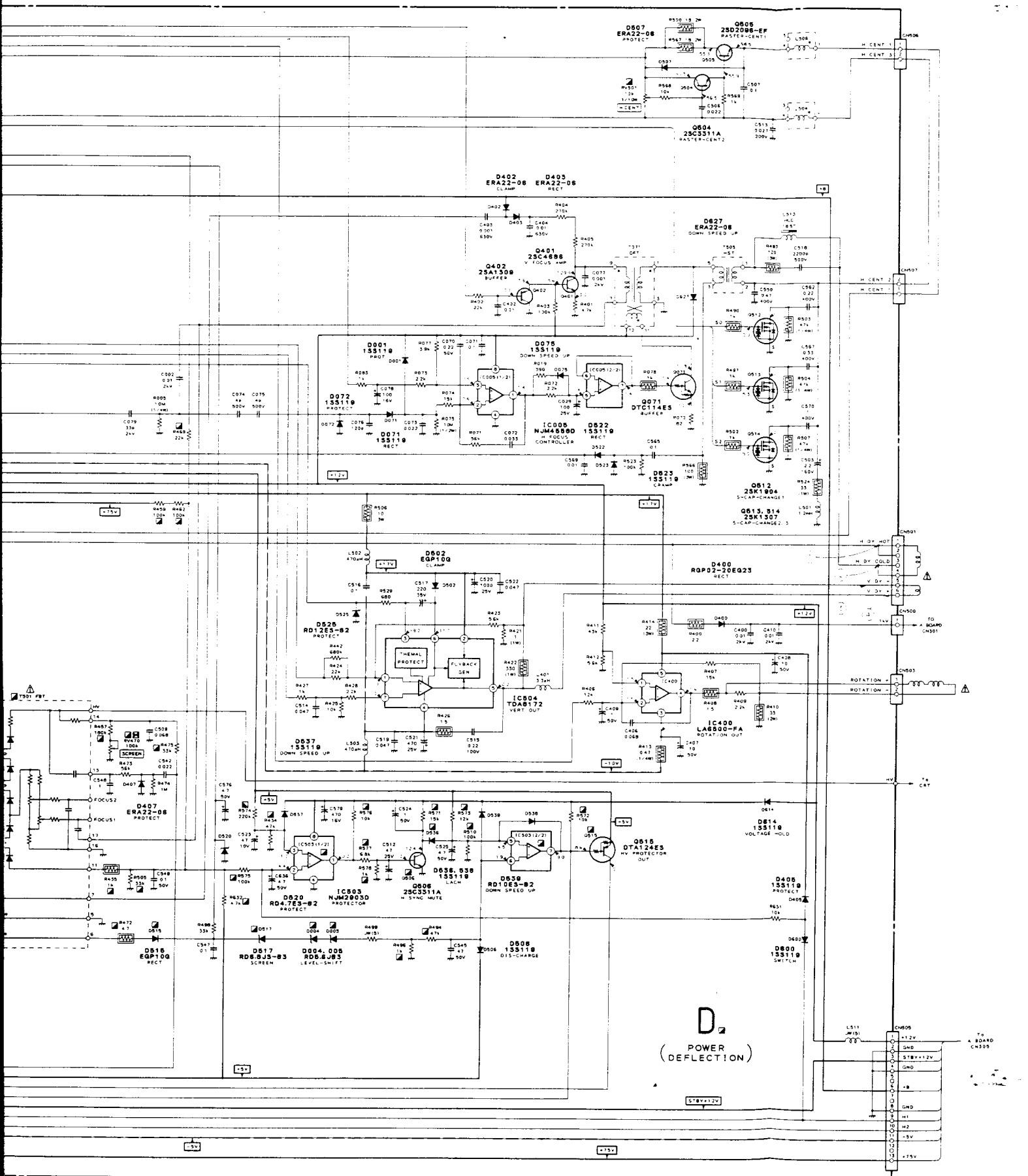


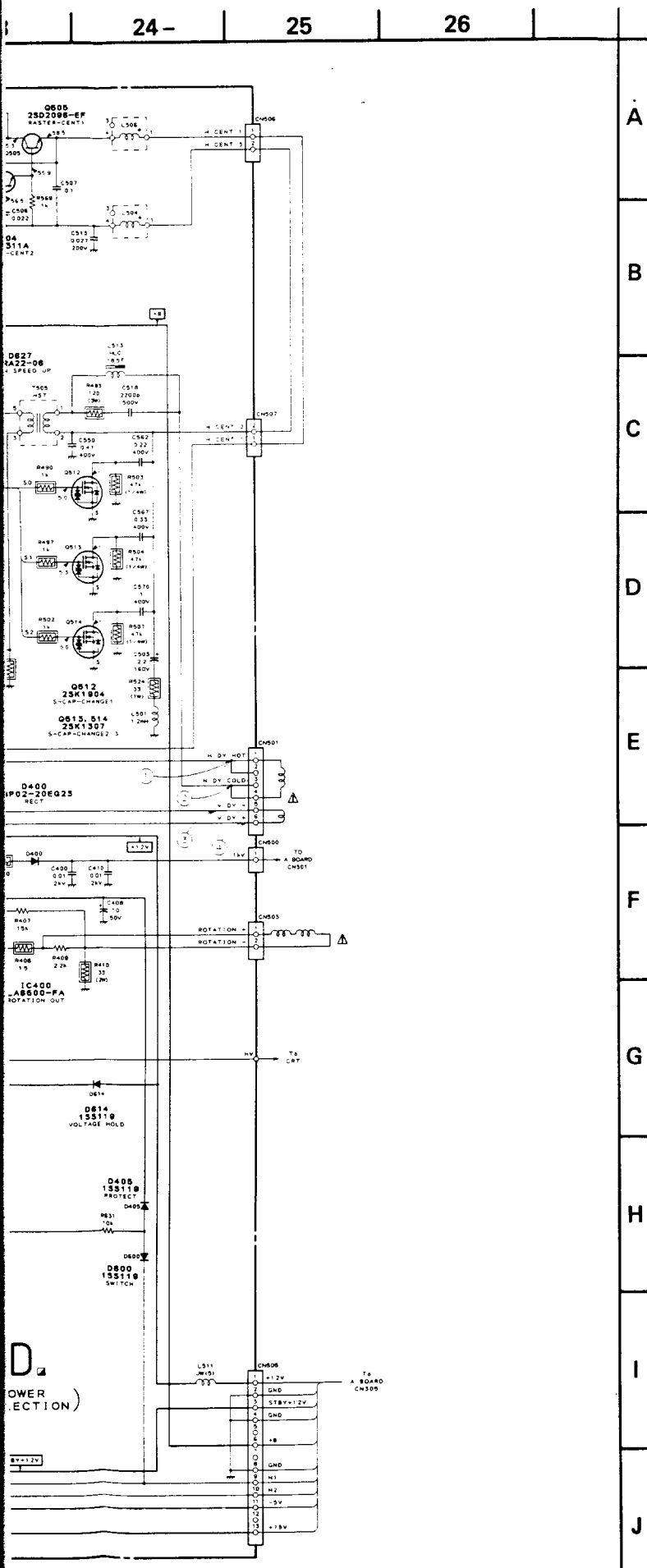
CPD-17SF1 CPD-17SF1



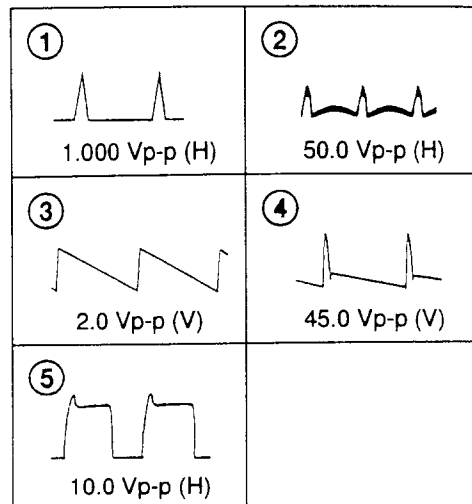


18	19	20	21	22	23	24	25
----	----	----	----	----	----	----	----

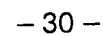


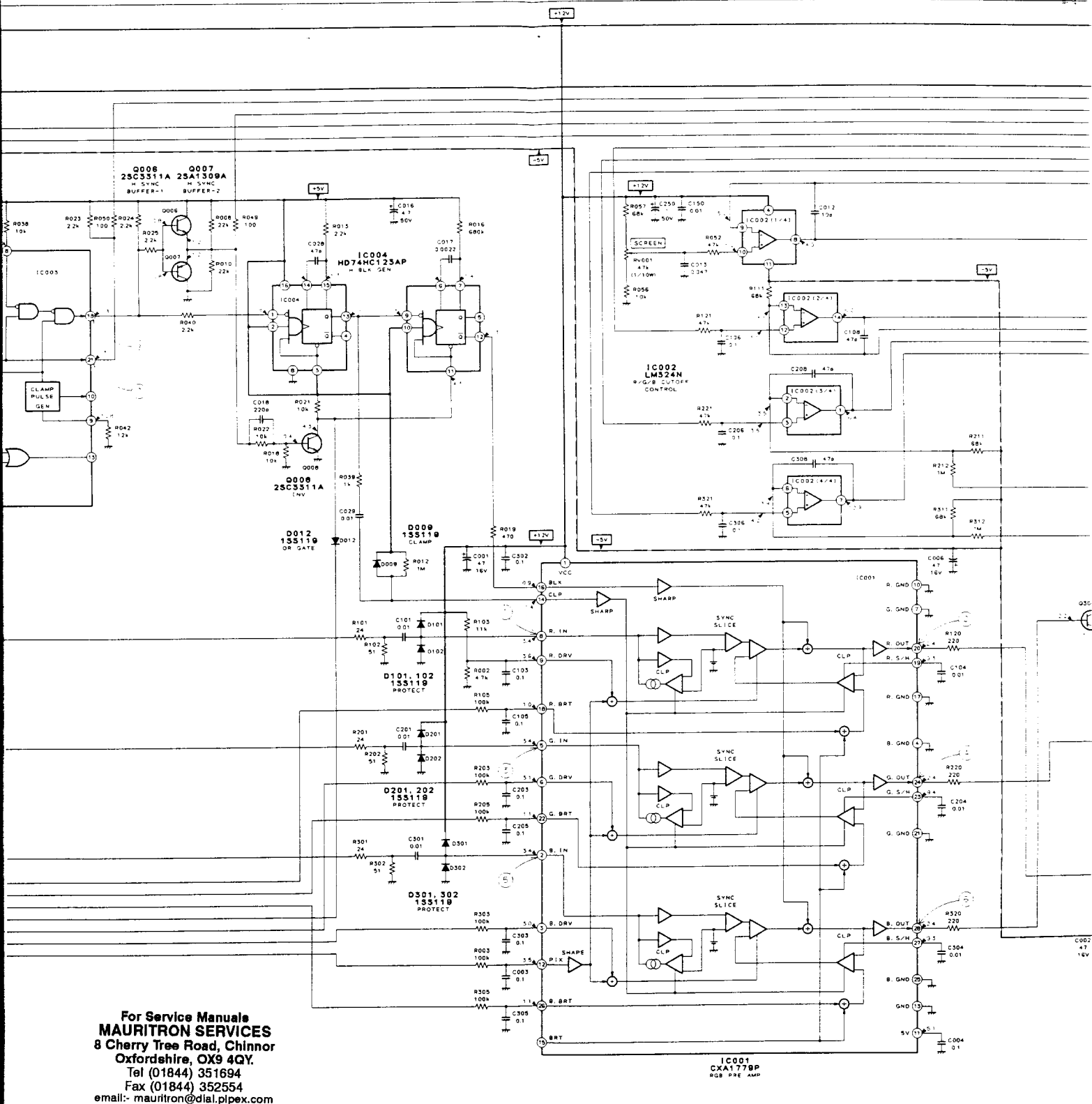


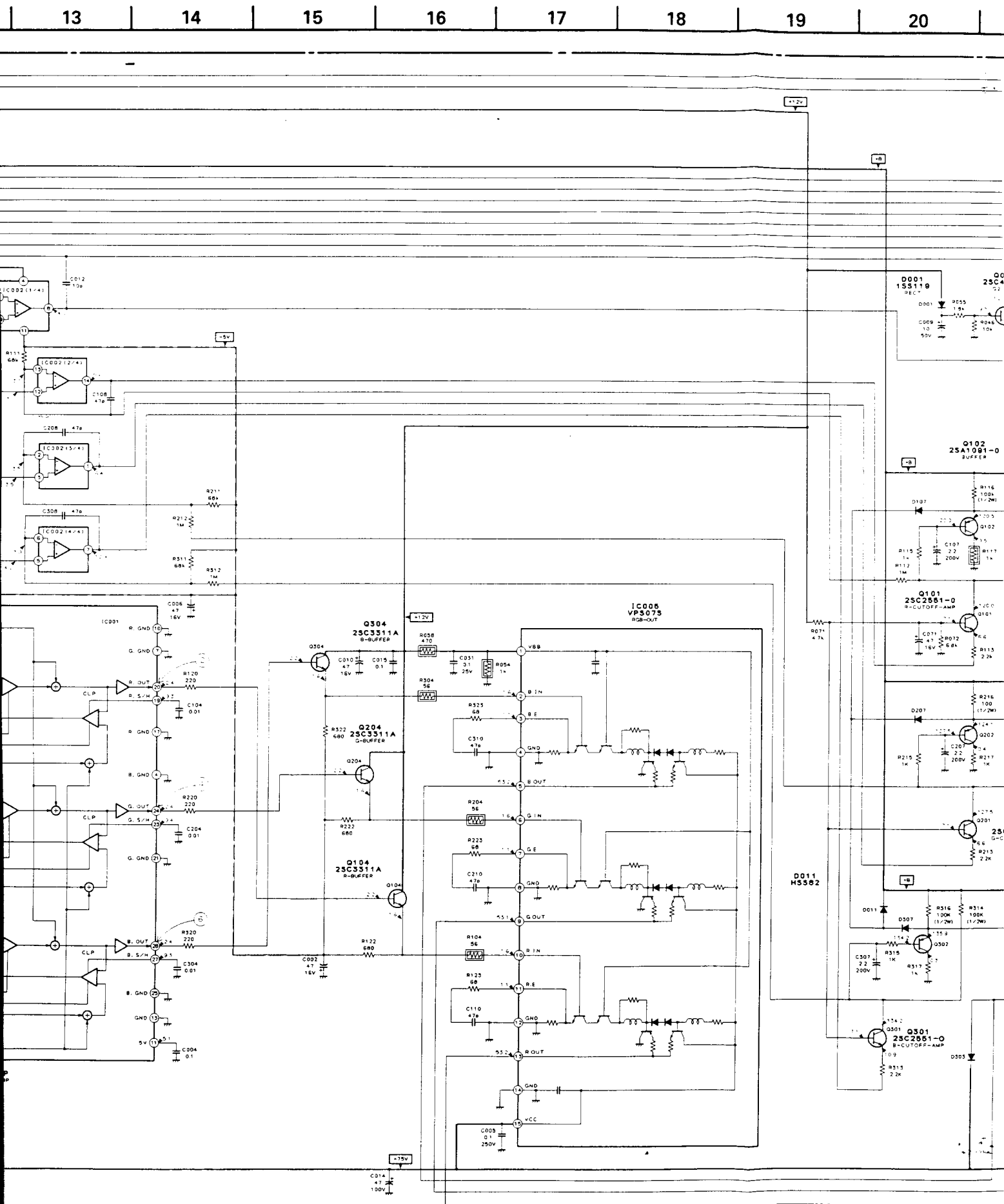
D BOARD WAVEFORMS



CPD-17SF1

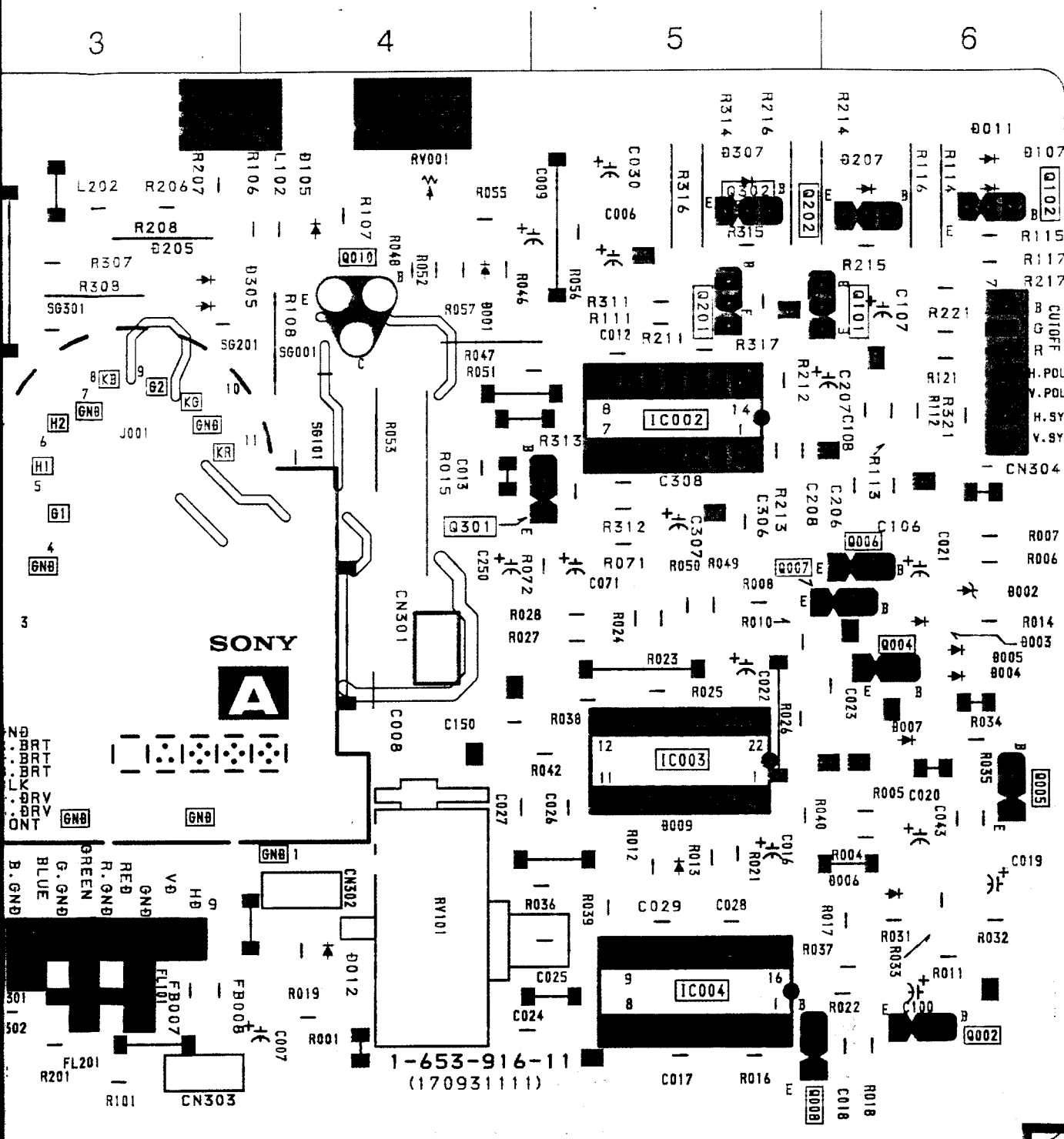








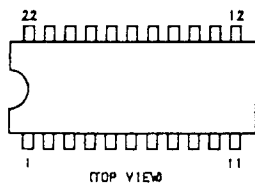
DEO]



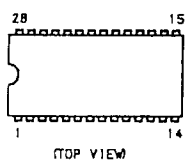
For Service Manuals
MAURITRON SERVICES
 8 Cherry Tree Road, Chinnor
 Oxfordshire, OX9 4QY.
 Tel (01844) 351694
 Fax (01844) 352554
 email:- mauritron@btinternet.com

5-5. SEMICONDUCTORS

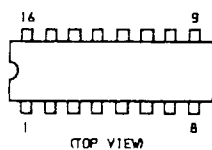
CXA1616S



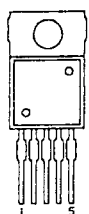
CXA1779P



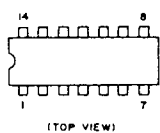
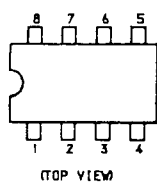
HD74HC123AP



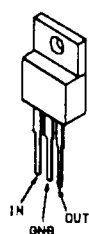
LA6500-FA



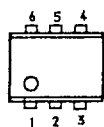
LM324N


NJM2903D
NJM4558D-D
μPC393C


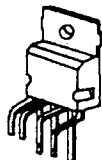
NUM7805FA



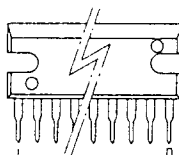
PC111YS



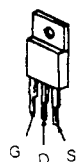
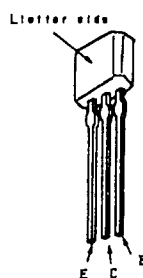
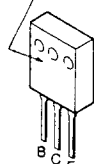
TDA8172



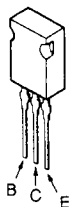
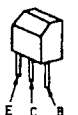
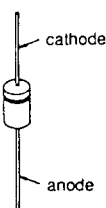
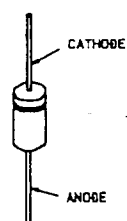
VPS07S


DTA124ES
DTC114ES
DTC124ES

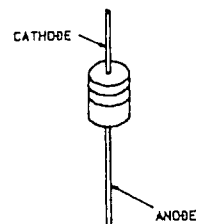
IRF614


2SA1175-HFE
2SA1309
2SC2785-HFE
2SC3311A
2SA1091-O
2SC1841
2SC1845-EA
2SC2001-K2
2SC2551-O
2SC3997CA
MARKING SIDE VIEW

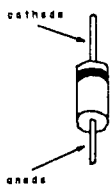
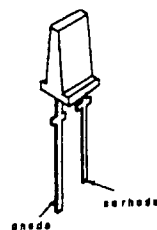
2SD2096-EF


2SD774-3
2SC774-34
D3S6M-F
RGP02-20
RGP02-20EL-6394
EL-1Z
ERA22-06
ERA22-08
RD5.6JS-B2
RGP10GPKG23

FE3D


RD10ES-B2
RD12ES-B2
RD15ES-B2
RD15ES-B3
RD18ES-B2
RD27ES-B2
RD36ES-B2
RD4.7ES-B2
RD5.1ES-B2
RD6.2ES-B2
RD7.5ES-B2
RD8.2ES-B3
1SS119

SB340


SEL1422G
SEL1922D

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:

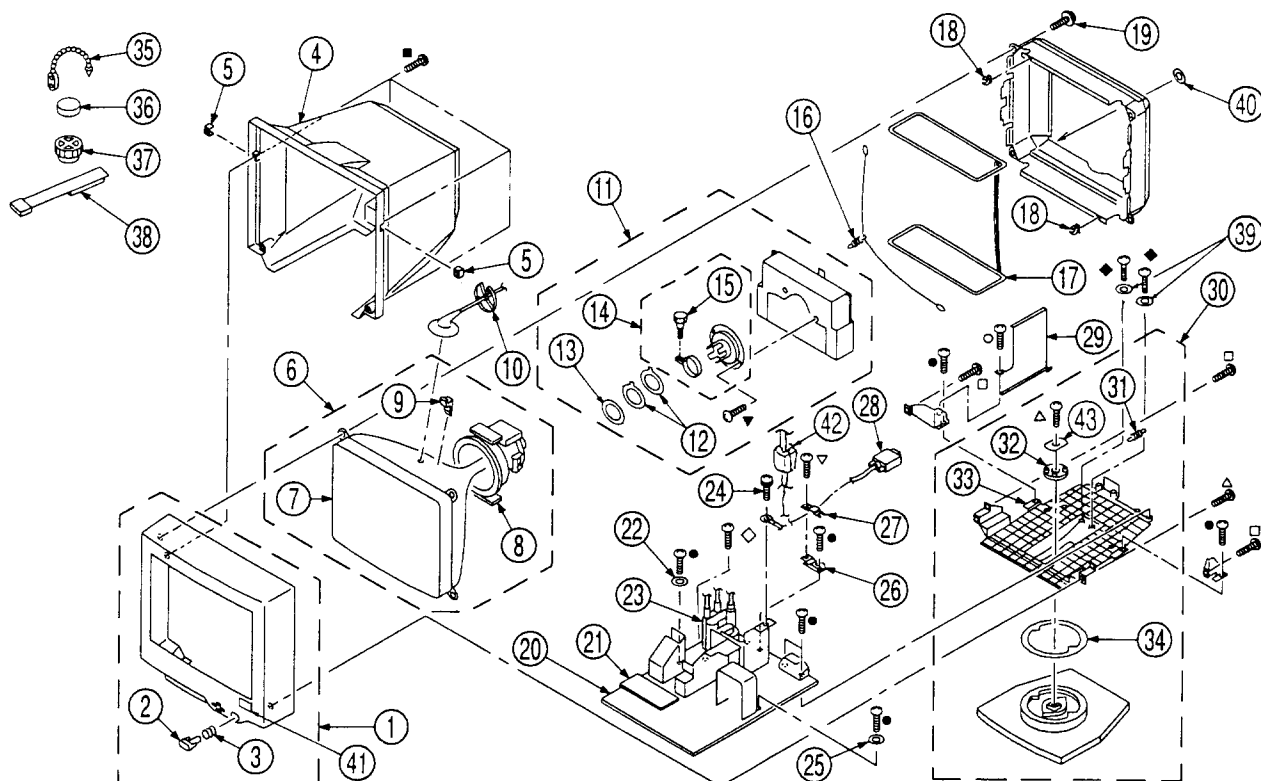
The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

6-1. CHASSIS

- 7-685-663-14 SCREW +BVTP 4X16
- 7-685-648-79 SCREW +BVTP 3X12
- 7-682-548-04 SCREW +BVTP 3X8
- ◇ 7-685-650-79 SCREW +BVTP 3X16

- ▽ 7-685-659-71 SCREW +BVTP 4X8
- △ 7-685-663-79 SCREW +BVTP 4X16
- 7-682-562-04 SCREW +BVTP 4X10
- ▼ 7-685-646-79 SCREW +BVTP 3X8
- ◆ 7-685-135-19 SCREW +M2.6X6

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.

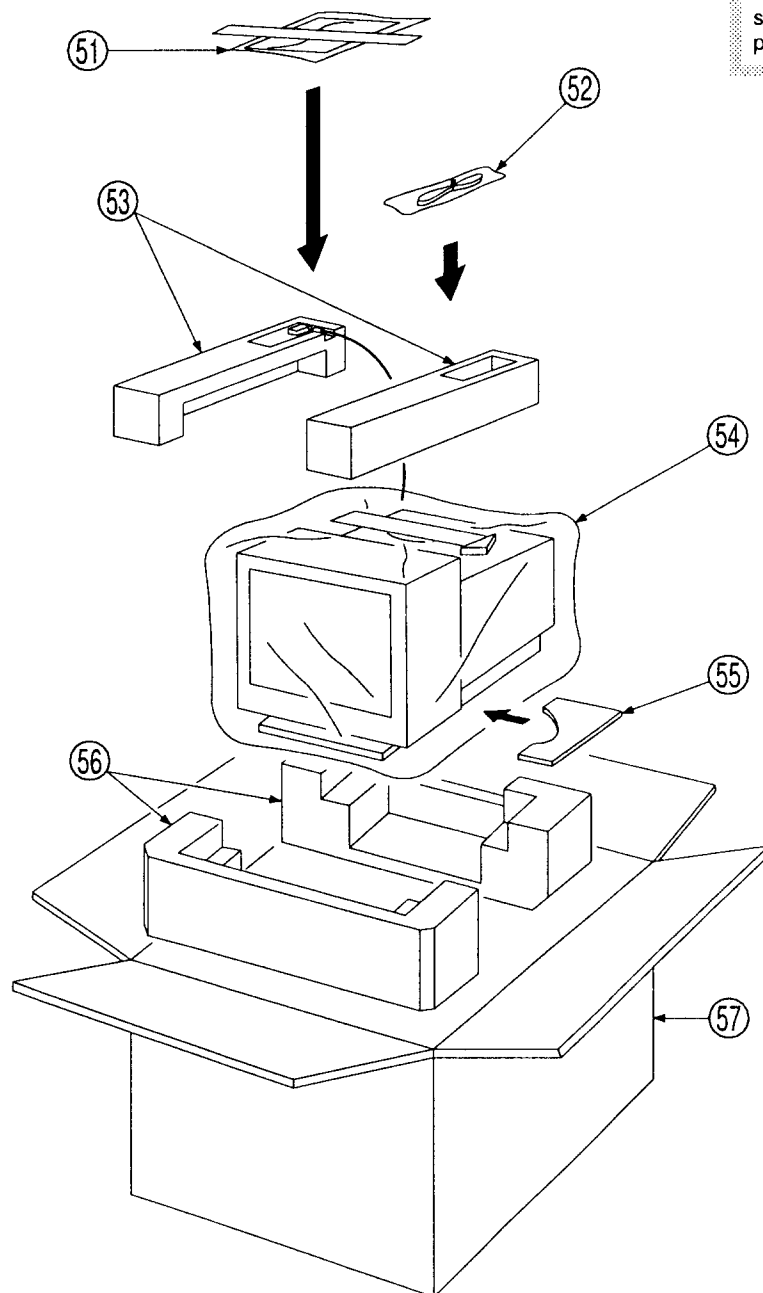


REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
1	X-4032-233-1	BEZEL ASSY	2, 3	22	4-308-030-31	WASHER, DOUBLE STICK TAPE	
2	4-046-410-01	BUTTON, POWER		23	Δ X-4032-335-1	TRANSFORMER ASSY, FLYBACK (NX 4101//JE)	
3	3-571-801-01	SPRING, COMPRESSION		24	4-389-025-01	SCREW (M4x8) (EXT TOOTH WASHER)	
4	4-046-427-01	CABINET		25	4-046-042-01	WASHER, PVC	
5	4-046-903-01	COVER, SCREW		26	* 4-045-130-01	BRACKET, CABLE	
6	Δ 8-738-588-97	PICTURE TUBE COMPLETE ASSY	7, 8, 9	27	* 4-045-131-01	STOPPER, CABLE	
7	Δ 8-738-599-05	PICTURE TUBE 17SA2K (AEP, U/C, ES)		28	1-765-688-41	CABLE (D-SUB 15P-9P)	
	Δ 8-738-598-05	PICTURE TUBE 17SA2K (AUS)		29	* 4-046-894-01	SHIELD, FBT	
	Δ 8-738-588-97	PICTURE TUBE (ITC) 17SA2K-R3 (AEP, U/C, ES)		30	X-4032-232-1	STAND ASSY, SWIVEL	31, 32, 33, 34, 39, 43
	Δ 8-738-598-90	PICTURE TUBE (ITC) 17SA2K-RS3 (AUS)		31	4-046-901-01	SPRING, TENSION	
8	Δ 8-451-458-11	DEFLECTION YOKE Y17SAH3K		32	4-041-623-01	STOPPER (A)	
9	4-040-897-01	SPACER, DY		33	4-046-426-01	COVER, BOTTOM	
10	* 3-704-372-01	HOLDER, HV CABLE		34	* 4-041-625-01	RING, TILT SWIVEL	
11	8-934-988-00	A BLOCK ASSY	12, 13, 14, 15	35	4-308-870-00	CLIP, LEAD WIRE	
12	1-452-279-42	MAGNET, RING 4P		36	1-452-032-00	MAGNET, DISK 10mm \varnothing	
13	4-046-898-01	SPACER, MG		37	1-452-094-00	MAGNET, ROTATABLE DISK 15mm \varnothing	
14	X-4032-327-1	HOLDER ASSY, PWB	15	38	X-4030-584-1	PERMALLOY ASSY, CORRECTION	
15	4-041-627-01	SCREW (M4x20), HEXAGON HEAD		39	4-047-704-01	SPACER, DOUBLE-FACE TAPE	
16	* 4-047-316-01	SPRING, TENSION		40	4-830-092-01	FIBER WASHER	
17	Δ 1-409-975-11	COIL, DEMAGNETIZATION		41	* 4-045-471-01	ENERGY STAR LABEL (U/C)	
18	* 4-395-824-01	HOLDER, DEGAUSSING COIL		42	1-543-653-11	CORE ASSY BEAD	
19	4-365-808-01	SCREW (5), TAPPING		43	* 4-043-646-01	HOLDER, STAND	
20	8-934-989-00	D BOARD, COMPLETE					
21	1-589-667-51	CONTROL PACK, (N BOARD)					

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

6-2. PACKING MATERIALS

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
51	3-758-954-12	MANUAL, INSTRUCTION (AEP, ES) (ENGLISH, FRENCH, GERMAN, SPANISH, ITALIAN)		53	*4-046-461-01	CUSHION UPPER (ASSY)	
51	3-758-954-22	MANUAL, INSTRUCTION (U/C) (ENGLISH)		54	*4-041-927-11	BAG, POLYETHYLENE	
52	Δ 1-765-717-11	CORD SET, POWER (AEP, ES) 10A/250V		55	*4-046-460-01	PAT, TILT FIXED	
52	Δ 1-765-718-11	CORD SET, POWER (U/C) 10A/125V		56	*4-046-462-01	CUSHION LOWER (ASSY)	
				57	*4-046-459-01	INDIVIDUAL CARTON	

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
CN307	*1-564-512-11	PLUG, CONNECTOR 9P		IC004	8-759-054-26	IC HD74HC123AP	
CN309	1-695-915-11	TAB (CONTACT)		IC005	8-749-010-10	IC VPS07S	
<DIODE>				<JACK>			
D001	8-719-911-19	DIODE 1SS119		J001	Δ 1-251-116-11	SOCKET, PICTURE TUBE	
D002	8-719-109-85	DIODE RD5.1ESB2		<COIL>			
D003	8-719-911-19	DIODE 1SS119		L102	1-414-140-11	INDUCTOR	0.68 μ H
D004	8-719-911-19	DIODE 1SS119		L202	1-414-140-11	INDUCTOR	0.68 μ H
D005	8-719-911-19	DIODE 1SS119		L302	1-414-140-11	INDUCTOR	0.68 μ H
D006	8-719-911-19	DIODE 1SS119		<TRANSISTOR>			
D007	8-719-911-19	DIODE 1SS119		Q002	8-729-119-76	TRANSISTOR 2SA1175-HFE	
D008	8-719-970-83	DIODE HSS82		Q004	8-729-119-76	TRANSISTOR 2SA1175-HFE	
D009	8-719-911-19	DIODE 1SS119		Q005	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D011	8-719-970-83	DIODE HSS82		Q006	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D012	8-719-911-19	DIODE 1SS119		Q007	8-729-119-76	TRANSISTOR 2SA1175-HFE	
D101	8-719-911-19	DIODE 1SS119		Q008	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D102	8-719-911-19	DIODE 1SS119		Q010	8-729-020-07	TRANSISTOR 2SC4686A (LBSONY)	
D103	8-719-970-83	DIODE HSS82		Q101	8-729-255-12	TRANSISTOR 2SC2551-O	
D104	8-719-970-83	DIODE HSS82		Q102	8-729-200-17	TRANSISTOR 2SA1091-O	
D105	8-719-970-83	DIODE HSS82		Q104	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D107	8-719-970-83	DIODE HSS82		Q201	8-729-255-12	TRANSISTOR 2SC2551-O	
D201	8-719-911-19	DIODE 1SS119		Q202	8-729-200-17	TRANSISTOR 2SA1091-O	
D202	8-719-911-19	DIODE 1SS119		Q204	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D203	8-719-970-83	DIODE HSS82		Q301	8-729-255-12	TRANSISTOR 2SC2551-O	
D204	8-719-970-83	DIODE HSS82		Q302	8-729-200-17	TRANSISTOR 2SA1091-O	
D205	8-719-970-83	DIODE HSS82		Q304	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D207	8-719-970-83	DIODE HSS82		<RESISTOR>			
D301	8-719-911-19	DIODE 1SS119		R001	1-249-417-11	CARBON	1K 5% 1/4W
D302	8-719-911-19	DIODE 1SS119		R002	1-215-437-00	METAL	4.7K 1% 1/4W
D303	8-719-970-83	DIODE HSS82		R003	1-249-441-11	CARBON	100K 5% 1/4W
D304	8-719-970-83	DIODE HSS82		R004	1-249-429-11	CARBON	10K 5% 1/4W
D305	8-719-970-83	DIODE HSS82		R005	1-249-417-11	CARBON	1K 5% 1/4W
D307	8-719-970-83	DIODE HSS82		R006	1-249-415-11	CARBON	680 5% 1/4W
<FERRITE BEAD>				R007	1-249-415-11	CARBON	680 5% 1/4W
FB001	1-412-911-11	INDUCTOR, FERRITE BEAD		R008	1-249-433-11	CARBON	22K 5% 1/4W
FB002	1-412-911-11	INDUCTOR, FERRITE BEAD		R010	1-249-433-11	CARBON	22K 5% 1/4W
FB003	1-412-911-11	INDUCTOR, FERRITE BEAD		R011	1-249-429-11	CARBON	10K 5% 1/4W
FB004	1-412-911-11	INDUCTOR, FERRITE BEAD		R012	1-247-903-00	CARBON	1M 5% 1/4W
FB005	1-412-911-11	INDUCTOR, FERRITE BEAD		R013	1-249-421-11	CARBON	2.2K 5% 1/4W
FB006	1-412-911-11	INDUCTOR, FERRITE BEAD		R014	1-249-421-11	CARBON	2.2K 5% 1/4W
FB007	1-412-911-11	INDUCTOR, FERRITE BEAD		R015	1-211-885-21	METAL	2.2M 5% 1W
FB008	1-412-911-11	INDUCTOR, FERRITE BEAD		R016	1-247-899-11	CARBON	680K 5% 1/4W
<FILTER>				R017	1-247-899-11	CARBON	680K 5% 1/4W
FL101	1-233-253-21	FILTER, EMI		R018	1-249-429-11	CARBON	10K 5% 1/4W
FL201	1-233-253-21	FILTER, EMI		R019	1-249-413-11	CARBON	470 5% 1/4W
FL301	1-233-253-21	FILTER, EMI		R021	1-249-429-11	CARBON	10K 5% 1/4W
<IC>				R022	1-249-429-11	CARBON	10K 5% 1/4W
IC001	8-752-070-09	IC CXA1779P		R023	1-249-421-11	CARBON	2.2K 5% 1/4W
IC002	8-759-912-77	IC LM324N		R024	1-249-421-11	CARBON	2.2K 5% 1/4W
IC003	8-752-057-43	IC CXA1616S					



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R025	1-249-421-11	CARBON	2.2K 5% 1/4W	R208	1-247-735-11	SOLID	47 20% 1/2W
R026	1-249-421-11	CARBON	2.2K 5% 1/4W	R211	1-249-439-11	CARBON	68K 5% 1/4W
R027	1-249-409-11	CARBON	220 5% 1/4W	R212	1-247-903-00	CARBON	1M 5% 1/4W
R028	1-249-409-11	CARBON	220 5% 1/4W	R213	1-249-421-11	CARBON	2.2K 5% 1/4W
R031	1-249-421-11	CARBON	2.2K 5% 1/4W	R214	1-260-123-11	CARBON	100K 5% 1/2W
R032	1-249-421-11	CARBON	2.2K 5% 1/4W	R215	1-249-417-11	CARBON	1K 5% 1/4W
R033	1-247-807-31	CARBON	100 5% 1/4W	R216	1-260-123-11	CARBON	100K 5% 1/2W
R034	1-249-421-11	CARBON	2.2K 5% 1/4W	R217	1-249-417-11	CARBON	1K 5% 1/4W
R035	1-249-421-11	CARBON	2.2K 5% 1/4W	R220	1-249-409-11	CARBON	220 5% 1/4W
R036	1-249-435-11	CARBON	33K 5% 1/4W	R221	1-249-437-11	CARBON	47K 5% 1/4W
R037	1-249-413-11	CARBON	470 5% 1/4W	R222	1-249-415-11	CARBON	680 5% 1/4W
R038	1-249-429-11	CARBON	10K 5% 1/4W	R223	1-249-403-11	CARBON	68 5% 1/4W
R039	1-249-417-11	CARBON	1K 5% 1/4W	R301	1-215-382-00	METAL	24 1% 1/4W
R040	1-249-421-11	CARBON	2.2K 5% 1/4W	R302	1-215-390-00	METAL	51 1% 1/4W
R042	1-249-430-11	CARBON	12K 5% 1/4W	R303	1-249-441-11	CARBON	100K 5% 1/4W
R046	1-249-429-11	CARBON	10K 5% 1/4W	R304	1-249-402-11	CARBON	56 5% 1/4W F
R047	1-211-895-11	METAL	10M 5% 1/4W	R305	1-249-441-11	CARBON	100K 5% 1/4W
R048	1-249-434-11	CARBON	27K 5% 1/4W	R306	1-249-417-11	CARBON	1K 5% 1/4W
R049	1-247-807-31	CARBON	100 5% 1/4W	R307	1-247-903-00	CARBON	1M 5% 1/4W
R050	1-247-807-31	CARBON	100 5% 1/4W	R308	1-247-735-11	SOLID	47 20% 1/2W
R051	1-249-441-11	CARBON	100K 5% 1/4W	R311	1-249-439-11	CARBON	68K 5% 1/4W
R052	1-249-437-11	CARBON	47K 5% 1/4W	R312	1-247-903-00	CARBON	1M 5% 1/4W
R053	1-202-830-00	SOLID	10K 20% 1/2W	R313	1-249-421-11	CARBON	2.2K 5% 1/4W
R054	1-249-923-11	CARBON	1K 5% 1/4W F	R314	1-260-123-11	CARBON	100K 5% 1/2W
R055	1-249-420-11	CARBON	1.8K 5% 1/4W	R315	1-249-417-11	CARBON	1K 5% 1/4W
R056	1-249-429-11	CARBON	10K 5% 1/4W	R316	1-260-123-11	CARBON	100K 5% 1/2W
R057	1-249-439-11	CARBON	68K 5% 1/4W	R317	1-249-417-11	CARBON	1K 5% 1/4W
R058	1-249-413-11	CARBON	470 5% 1/4W F	R320	1-249-409-11	CARBON	220 5% 1/4W
R071	1-249-425-11	CARBON	4.7K 5% 1/4W	R321	1-249-437-11	CARBON	47K 5% 1/4W
R072	1-249-427-11	CARBON	6.8K 5% 1/4W	R322	1-249-415-11	CARBON	680 5% 1/4W
R101	1-215-382-00	METAL	24 1% 1/4W	R323	1-249-403-11	CARBON	68 5% 1/4W
R102	1-215-390-00	METAL	51 1% 1/4W	<VARIABLE RESISTOR>			
R103	1-215-446-00	METAL	11K 1% 1/4W	RV001	1-241-787-11	RES, ADJ, CARBON 47K (SCREEN)	
R104	1-249-402-11	CARBON	56 5% 1/4W F	RV101	1-241-714-11	RES, ADJ, METAL FILM 110M (H.STAT)	
R105	1-249-441-11	CARBON	100K 5% 1/4W	<SPARK GAP>			
R106	1-249-417-11	CARBON	1K 5% 1/4W	SG001	1-519-422-11	GAP, SPARK	
R107	1-247-903-00	CARBON	1M 5% 1/4W	SG101	1-519-504-11	GAP, DISCHARGE	
R108	1-247-735-11	SOLID	47 20% 1/2W	SG201	1-519-504-11	GAP, DISCHARGE	
R111	1-249-439-11	CARBON	68K 5% 1/4W	SG301	1-519-504-11	GAP, DISCHARGE	
R112	1-247-903-00	CARBON	1M 5% 1/4W	*****			
R113	1-249-421-11	CARBON	2.2K 5% 1/4W	1-589-667-51 CONTROL PACK (N BOARD)			
R114	1-260-123-11	CARBON	100K 5% 1/2W	*****			
R115	1-249-417-11	CARBON	1K 5% 1/4W	8-934-989-00 D BOARD, COMPLETE			
R116	1-260-123-11	CARBON	100K 5% 1/2W	*****			
R117	1-249-417-11	CARBON	1K 5% 1/4W F	1-533-223-11 HOLDER, FUSE (F601)			
R120	1-249-409-11	CARBON	220 5% 1/4W	2-832-002-00 BUSHING, INSULATING			
R121	1-249-437-11	CARBON	47K 5% 1/4W	3-710-578-01 COVER, VOLUME, 6 MOLD			
R122	1-249-415-11	CARBON	680 5% 1/4W	4-034-094-01 SHEET, INSULATOR			
R123	1-249-403-11	CARBON	68 5% 1/4W				
R201	1-215-382-00	METAL	24 1% 1/4W				
R202	1-215-390-00	METAL	51 1% 1/4W				
R203	1-249-441-11	CARBON	100K 5% 1/4W				
R204	1-249-402-11	CARBON	56 5% 1/4W F				
R205	1-249-441-11	CARBON	100K 5% 1/4W				
R206	1-249-417-11	CARBON	1K 5% 1/4W				
R207	1-247-903-00	CARBON	1M 5% 1/4W				

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
*4-043-990-01	HEAT SINK (D601)			C518	1-164-646-11	CERAMIC	2200pF 10% 500V
4-043-999-01	SHEET, INSULATING (IC605)			C519	1-101-006-00	CERAMIC	0.047μF 50V
4-045-133-01	HOLDER (B), LED (D1803, D1804, D1805, D1808)			C520	1-124-557-11	ELECT	1000μF 20% 25V
*4-045-690-01	SPRING, IC (IC605)			C521	1-128-528-11	ELECT	470μF 20% 25V
4-046-042-01	WASHER, PVC			C522	1-101-006-00	CERAMIC	0.047μF 50V
4-308-030-31	WASHER, DOUBLE STICK TAPE			C523	1-126-947-11	ELECT	47μF 20% 10V
4-382-854-01	SCREW (M3X8), P, SW (+) (IC504)			C524	1-124-903-11	ELECT	1μF 20% 50V
4-382-854-11	SCREW (M3X10), P, SW (+) (IC400, IC502, IC605, Q503, Q510, Q514, D501, D601)			C525	1-124-927-11	ELECT	4.7μF 20% 50V
4-389-025-01	SCREW (M4X8) (EXT TOOTH WASHER) (EARTH)			C526	1-136-171-00	FILM	0.33μF 5% 50V
4-389-026-11	SHEET, BN (IC504)			C527	1-162-117-00	CERAMIC	100pF 10% 500V
7-682-950-01	SCREW +PSW 3X12 (IC005, Q507, Q522)			C531	1-104-664-11	ELECT	47μF 20% 25V
<CAPACITOR>				C532	1-136-207-11	FILM	0.047μF 10% 400V
C001	1-124-927-11	ELECT	4.7μF 20% 50V	C533	1-136-803-11	FILM	560pF 5% 630V
C002	1-162-978-11	CERAMIC	0.01μF 2KV	C540	1-110-544-11	FILM	0.0036μF 3% 1.5KV
C029	1-104-665-11	ELECT	100μF 20% 25V	C541	1-110-543-11	FILM	0.0068μF 3% 2KV
C070	1-136-169-00	FILM	0.22μF 5% 50V	C542	1-136-157-00	FILM	0.022μF 5% 50V
C071	1-137-399-11	FILM	0.1μF 5% 50V	C543	1-102-973-00	CERAMIC	100pF 5% 50V
C072	1-130-489-00	FILM	0.033μF 5% 50V	C544	1-137-364-11	FILM	0.001μF 5% 50V
C073	1-101-005-00	CERAMIC	0.022μF 50V	C545	1-126-967-11	ELECT	47μF 20% 50V
C074	1-107-584-11	CERAMIC	4pF 0.25pF 500V	C547	1-136-165-00	FILM	0.1μF 5% 50V
C075	1-107-584-11	CERAMIC	4pF 0.25pF 500V	C548	1-136-177-00	FILM	1μF 5% 50V
C076	1-102-816-00	CERAMIC	120pF 5% 50V	C549	1-136-165-00	FILM	0.1μF 5% 50V
C077	1-164-281-11	CERAMIC	0.001μF 2KV	C550	1-136-122-00	FILM	0.47μF 5% 400V
C078	1-126-933-11	ELECT	100μF 20% 16V	C551	1-104-665-11	ELECT	100μF 20% 25V
C079	1-109-843-11	CERAMIC	33pF 5% 2KV	C552	1-104-665-11	ELECT	100μF 20% 25V
C400	1-162-978-11	CERAMIC	0.01μF 2KV	C562	1-136-120-00	FILM	0.22μF 5% 400V
C401	1-106-391-12	MYLAR	0.1μF 10% 200V	C563	1-102-107-00	CERAMIC	120pF 10% 50V
C402	1-137-370-11	FILM	0.01μF 5% 50V	C565	1-137-571-11	FILM	0.1μF 5% 50V
C403	1-129-702-00	FILM	0.001μF 10% 630V	C566	1-136-169-00	FILM	0.22μF 5% 50V
C404	1-136-601-11	FILM	0.01μF 10% 630V	C567	1-110-515-11	FILM	0.33μF 5% 400V
C405	1-136-173-00	FILM	0.47μF 5% 50V	C569	1-137-370-11	FILM	0.01μF 5% 50V
C406	1-137-204-11	FILM	0.068μF 5% 50V	C570	1-110-486-11	FILM	1μF 5% 400V
C407	1-126-964-11	ELECT	10μF 20% 50V	C571	1-102-980-00	CERAMIC	270pF 5% 50V
C408	1-126-964-11	ELECT	10μF 20% 50V	C573	1-137-364-11	FILM	0.001μF 5% 50V
C409	1-126-801-11	ELECT	1μF 20% 50V	C576	1-124-927-11	ELECT	4.7μF 20% 50V
C410	1-162-978-11	CERAMIC	0.01μF 2KV	C577	1-102-106-00	CERAMIC	100pF 10% 50V
C501	1-104-664-11	ELECT	47μF 20% 25V	C578	1-126-952-11	ELECT	1000μF 20% 16V
C502	1-104-665-11	ELECT	100μF 20% 25V	C579	1-126-935-11	ELECT	470μF 20% 16V
C503	1-124-668-11	ELECT	2.2μF 20% 160V	C580	1-137-413-11	FILM	0.0033μF 10% 100V
C504	1-104-664-11	ELECT	47μF 20% 25V	C581	1-137-399-11	FILM	0.1μF 5% 50V
C505	1-107-974-11	CERAMIC	47pF 5% 2KV	C582	1-110-547-11	FILM	0.001μF 3% 1.5KV
C506	1-101-005-00	CERAMIC	0.022μF 50V	C583	1-106-375-12	MYLAR	0.022μF 10% 100V
C507	1-130-495-00	MYLAR	0.1μF 5% 50V	C585	1-136-157-00	FILM	0.022μF 5% 50V
C509	1-136-495-11	FILM	0.068μF 5% 50V	C586	1-137-399-11	FILM	0.1μF 5% 50V
C510	1-128-526-11	ELECT	100μF 20% 25V	C587	1-137-399-11	FILM	0.1μF 5% 50V
C511	1-128-526-11	ELECT	100μF 20% 25V	C599	1-104-799-11	ELECT	22μF 20% 100V
C512	1-104-664-11	ELECT	47μF 20% 25V	C601 Δ	1-104-708-51	FILM	0.47μF 20% 250V
C513	1-106-377-00	MYLAR	0.027μF 99% 200V	C602 Δ	1-107-533-51	FILM	1μF 20% 250V
C514	1-101-006-00	CERAMIC	0.047μF 50V	C603 Δ	1-165-170-51	CERAMIC	0.0047μF 20% 400V
C515	1-106-228-00	MYLAR	0.22μF 10% 100V	C604 Δ	1-165-170-51	CERAMIC	0.0047μF 20% 400V
C516	1-137-399-11	FILM	0.1μF 5% 50V	C605	1-126-947-11	ELECT	47μF 20% 10V
C517	1-107-894-11	ELECT	220μF 20% 35V	C606	1-137-367-11	FILM	0.0033μF 5% 50V
				C607	1-137-368-11	FILM	0.0047μF 5% 50V
				C608	1-124-925-11	ELECT	2.2μF 20% 50V
				C609	1-109-841-11	ELECT	560μF 20% 400V
				C610	1-126-803-11	ELECT	47μF 20% 35V



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
C611	1-125-700-11	ELECT	220 μ F 20% 200V	D075	8-719-911-19	DIODE 1SS119	
C612	1-107-934-11	ELECT	220 μ F 20% 100V	D400	8-719-018-82	DIODE RGP02-20EL-6394	
C613	1-107-955-11	ELECT	100 μ F 20% 200V	D401	8-719-911-19	DIODE 1SS119	
C614	1-128-563-11	ELECT	100 μ F 20% 100V	D402	8-719-948-45	DIODE ERA22-08	
				D403	8-719-948-45	DIODE ERA22-08	
C616	1-128-526-11	ELECT	100 μ F 20% 25V	D404	8-719-911-19	DIODE 1SS119	
C617	1-128-386-11	ELECT	1000 μ F 20% 25V	D405	8-719-911-19	DIODE 1SS119	
C618	1-126-376-11	ELECT	470 μ F 20% 25V	D406	8-719-911-19	DIODE 1SS119	
C619	1-128-528-11	ELECT	470 μ F 20% 25V	D501	8-719-049-12	DIODE 5TUZ52	
C620	1-137-372-11	FILM	0.022 μ F 5% 50V	D502	8-719-979-58	DIODE EGP10D	
C621	1-130-471-00	FILM	0.001 μ F 5% 50V	D503	8-719-911-19	DIODE 1SS119	
C622	1-126-951-11	ELECT	470 μ F 20% 35V	D504	8-719-988-11	DIODE FE3D	
C623	1-137-367-11	FILM	0.0033 μ F 5% 50V	D505	8-719-110-17	DIODE RD10ESB2	
C624	1-136-619-11	FILM	0.0016 μ F 3% 2KV	D506	8-719-911-19	DIODE 1SS119	
C625	1-104-712-11	ELECT	47 μ F 0 200V	D507	8-719-948-45	DIODE ERA22-08	
C626	1-165-170-11	CERAMIC	0.0047 μ F 20% 400V	D508	8-719-975-77	DIODE SB340	
C627	1-102-121-00	CERAMIC	0.0022 μ F 10% 50V	D509	8-719-911-19	DIODE 1SS119	
C628	1-106-220-00	MYLAR	0.1 μ F 10% 100V	D510	8-719-970-83	DIODE HSS82	
C629	1-126-803-11	ELECT	47 μ F 20% 35V	D511	8-719-110-67	DIODE RD27ESB2	
C630	1-126-964-11	ELECT	10 μ F 20% 50V	D513	8-719-970-83	DIODE HSS82	
C631	1-104-800-11	ELECT	100 μ F 20% 100V	D514	8-719-970-83	DIODE HSS82	
C632	1-101-880-00	CERAMIC	47pF 5% 50V	D515	8-719-979-58	DIODE EGP10D	
C633	1-136-169-00	FILM	0.22 μ F 5% 50V	D517	8-719-115-63	DIODE RD6.8JS-T1B3	
C634	1-136-169-00	FILM	0.22 μ F 5% 50V	D520	8-719-109-81	DIODE RD4.7ESB2	
C635	1-137-399-11	FILM	0.1 μ F 5% 50V	D522	8-719-911-19	DIODE 1SS119	
C636	1-124-927-11	ELECT	4.7 μ F 20% 50V	D523	8-719-911-19	DIODE 1SS119	
C637	1-161-742-00	CERAMIC	0.0022 μ F 20% 400V	D525	8-719-110-31	DIODE RD12ESB2	
C638	1-102-074-00	CERAMIC	0.001 μ F 10% 50V	D529	8-719-110-41	DIODE RD15ESB2	
C639	1-136-153-00	FILM	0.01 μ F 5% 50V	D530	8-719-911-19	DIODE 1SS119	
C640	1-136-159-00	FILM	0.033 μ F 5% 50V	D531	8-719-948-45	DIODE ERA22-08	
C1801	1-102-112-00	CERAMIC	330pF 10% 50V	D532	8-719-948-45	DIODE ERA22-08	
C1802	1-102-112-00	CERAMIC	330pF 10% 50V	D533	8-719-911-19	DIODE 1SS119	
<CONNECTOR>				D534	8-719-109-93	DIODE RD6.2ESB2	
CN500	1-764-101-11	PIN, CONNECTOR (PC BOARD) 2P		D535	8-719-911-19	DIODE 1SS119	
CN501*	1-580-798-11	CONNECTOR PIN (DY) 6P		D536	8-719-911-19	DIODE 1SS119	
CN502*	1-564-510-11	PLUG, CONNECTOR 7P		D537	8-719-911-19	DIODE 1SS119	
CN504	1-695-915-11	TAB (CONTACT)		D538	8-719-911-19	DIODE 1SS119	
CN505*	1-564-516-11	PLUG, CONNECTOR 13P		D539	8-719-110-17	DIODE RD10ESB2	
CN506	1-508-786-00	PIN, CONNECTOR (5MM PITCH) 2P		D540	8-719-911-19	DIODE 1SS119	
CN507	1-508-786-00	PIN, CONNECTOR (5MM PITCH) 2P		D541	8-719-911-19	DIODE 1SS119	
CN508*	1-564-511-11	PLUG, CONNECTOR 8P		D542	8-719-911-19	DIODE 1SS119	
CN509	*1-508-879-00	BASE POST		D543	8-719-911-19	DIODE 1SS119	
CN510	1-695-915-11	TAB (CONTACT)		D544	8-719-911-19	DIODE 1SS119	
CN510	1-695-915-11	TAB (CONTACT)		D557	8-719-109-81	DIODE RD4.7ESB2	
CN510	1-695-915-11	TAB (CONTACT)		D600	8-719-911-19	DIODE 1SS119	
CN600 Δ	1-251-227-11	INLET, AC		D601 Δ	8-719-025-88	DIODE GBU4JL-6088	
CN601	1-691-960-11	PIN, CONNECTOR (PC BOARD) 3P		D602	8-719-300-76	DIODE RH-1A	
CN603	1-695-915-11	TAB (CONTACT)		D603	8-719-302-43	DIODE EL1Z	
CN604*	1-691-134-11	PIN, CONNECTOR (PC BOARD) 2P		D604	8-719-302-43	DIODE EL1Z	
CN605*	1-506-371-00	PIN, CONNECTOR 2P		D605	8-719-048-62	DIODE μ F3ML-6505	
<DIODE>				D606	8-719-979-58	DIODE EGP10D	
D001	8-719-911-19	DIODE 1SS119		D607	8-719-027-22	DIODE D3S6M-F	
D004	8-719-115-46	DIODE RD5.6JS-T1B2		D608	8-719-027-22	DIODE D3S6M-F	
D005	8-719-115-46	DIODE RD5.6JS-T1B2		D609	8-719-979-84	DIODE EGP20DPKG23	
D071	8-719-911-19	DIODE 1SS119		D610	8-719-979-58	DIODE EGP10D	
D072	8-719-911-19	DIODE 1SS119		D611	8-719-911-19	DIODE 1SS119	



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

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
Q524	8-729-119-78	TRANSISTOR 2SC2785-HFE		R418	1-215-441-00	METAL 6.8K	1% 1/4W
Q525	8-729-119-78	TRANSISTOR 2SC2785-HFE		R419	1-249-421-11	CARBON 2.2K	5% 1/4W
Q526	8-729-119-76	TRANSISTOR 2SA1175-HFE		R420	1-249-437-11	CARBON 47K	5% 1/4W
Q527	8-729-030-23	TRANSISTOR 2SD2242B-PQ (TA)					
Q529	8-729-386-12	TRANSISTOR 2SB861-C		R421	1-202-963-11	METAL 1	1% 1W
				R422	1-215-866-11	METAL OXIDE 330	5% 1W F
Q530	8-729-140-96	TRANSISTOR 2SD774-34		R423	1-215-439-00	METAL 5.6K	1% 1/4W
Q531	8-729-900-36	TRANSISTOR DTC124ES		R424	1-215-453-00	METAL 22K	1% 1/4W
Q601	8-729-142-46	TRANSISTOR 2SC2001-LK		R425	1-249-429-11	CARBON 10K	5% 1/4W
Q602	8-729-119-78	TRANSISTOR 2SC2785-HFE					
Q603	8-729-140-96	TRANSISTOR 2SD774-34		R426	1-249-383-11	CARBON 1.5	5% 1/4W F
				R427	1-249-417-11	CARBON 1K	5% 1/4W
Q604	8-729-119-78	TRANSISTOR 2SC2785-HFE		R428	1-249-421-11	CARBON 2.2K	5% 1/4W
Q605	8-729-028-34	TRANSISTOR 2SD1640Q,R		R429	1-215-437-00	METAL 4.7K	1% 1/4W
Q606	8-729-900-36	TRANSISTOR DTC124ES		R430	1-249-437-11	CARBON 47K	5% 1/4W
Q607	8-729-028-34	TRANSISTOR 2SD1640Q,R					
Q608	8-729-119-78	TRANSISTOR 2SC2785-HFE		R431	1-249-437-11	CARBON 47K	5% 1/4W
				R432	1-215-451-00	METAL 18K	1% 1/4W
Q1801	8-729-119-78	TRANSISTOR 2SC2785-HFE		R433	1-215-444-00	METAL 9.1K	1% 1/4W
Q1802	8-729-119-78	TRANSISTOR 2SC2785-HFE		R434	1-215-461-00	METAL 47K	1% 1/4W
Q1803	8-729-119-78	TRANSISTOR 2SC2785-HFE		R435	1-249-417-11	CARBON 1K	5% 1/4W F
Q1804	8-729-119-78	TRANSISTOR 2SC2785-HFE					
Q1805	8-729-119-78	TRANSISTOR 2SC2785-HFE		R436	1-216-394-00	METAL OXIDE 2.7	5% 3W F
				R437	1-249-401-11	CARBON 47	5% 1/4W
Q1806	8-729-119-78	TRANSISTOR 2SC2785-HFE		R438	1-215-431-00	METAL 2.7K	1% 1/4W
				R439	1-247-895-00	CARBON 470K	5% 1/4W
				R441	1-249-405-11	CARBON 100	5% 1/4W F
				R442	1-215-489-00	METAL 680K	1% 1/4W
				R445	1-215-896-00	METAL OXIDE 4.7K	5% 2W F
				R446	1-249-385-11	CARBON 2.2	5% 1/4W F
				R451	1-215-912-11	METAL OXIDE 150	5% 3W F
				R452	1-215-443-00	METAL 8.2K	1% 1/4W
				R453	1-215-912-11	METAL OXIDE 150	5% 3W F
				R455	1-216-394-00	METAL OXIDE 2.7	5% 3W F
				R457 Δ	1-215-475-91	METAL 180K	1% 1/4W
				R458	1-249-401-11	CARBON 47	5% 1/4W F
				R459	1-215-469-00	METAL 100K	1% 1/4W
				R462	1-215-469-00	METAL 100K	1% 1/4W
				R469	1-249-433-11	CARBON 22K	5% 1/4W
				R472	1-249-389-11	CARBON 4.7	5% 1/4W F
				R473	1-215-463-00	METAL 56K	1% 1/4W
				R474	1-247-903-00	CARBON 1M	5% 1/4W
				R475	1-215-457-00	METAL 33K	1% 1/4W
				R480	1-249-397-11	CARBON 22	5% 1/4W F
				R481	1-249-413-11	CARBON 470	5% 1/4W
				R482	1-249-421-11	CARBON 2.2K	5% 1/4W
				R484	1-249-421-11	CARBON 2.2K	5% 1/4W
				R485	1-249-421-11	CARBON 2.2K	5% 1/4W
				R486	1-216-395-00	METAL OXIDE 3.3	5% 3W F
				R487	1-215-455-00	METAL 27K	1% 1/4W
				R488	1-249-417-11	CARBON 1K	5% 1/4W
				R490	1-249-417-11	CARBON 1K	5% 1/4W F
				R493	1-216-475-11	METAL OXIDE 120	5% 3W F
				R494	1-215-461-00	METAL 47K	1% 1/4W
				R496	1-215-421-00	METAL 1K	1% 1/4W
				R497	1-249-417-11	CARBON 1K	5% 1/4W F
				R498	1-249-435-11	CARBON 33K	5% 1/4W
				R500	1-216-446-00	METAL OXIDE 18	5% 2W F
				R501	1-215-860-11	METAL OXIDE 33	5% 1W F
				R502	1-249-417-11	CARBON 1K	5% 1/4W F

<RESISTOR>



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
R503	1-249-437-11	CARBON	47K 5% 1/4W	R620	1-247-891-91	CARBON	330K 5% 1/4W
R504	1-249-437-11	CARBON	47K 5% 1/4W	R621	1-249-437-11	CARBON	47K 5% 1/4W
R505	1-215-457-00	METAL	33K 1% 1/4W	R622	1-216-378-11	METAL OXIDE	5.6 5% 2W F
R506	1-215-905-11	METAL OXIDE	10 5% 3W F	R623	1-247-901-11	CARBON	820K 5% 1/4W
R507	1-249-437-11	CARBON	47K 5% 1/4W	R624	1-247-901-11	CARBON	820K 5% 1/4W
R508	1-215-465-00	METAL	68K 1% 1/4W	R627	1-249-429-11	CARBON	10K 5% 1/4W
R509	1-215-485-00	METAL	470K 1% 1/4W	R628	1-247-901-11	CARBON	820K 5% 1/4W
R510	1-215-469-00	METAL	100K 1% 1/4W	R629	1-215-905-11	METAL OXIDE	10 5% 3W F
R511	1-247-887-00	CARBON	220K 5% 1/4W	R630	1-215-905-11	METAL OXIDE	10 5% 3W F
R512	1-249-437-11	CARBON	47K 5% 1/4W	R631	1-249-429-11	CARBON	10K 5% 1/4W
R516	1-215-449-00	METAL	15K 1% 1/4W	R632	1-215-437-00	METAL	4.7K 1% 1/4W
R517	1-215-489-00	METAL	680K 1% 1/4W	R633	1-215-905-11	METAL OXIDE	10 5% 3W F
R518	1-215-477-00	METAL	220K 1% 1/4W	R634	1-249-435-11	CARBON	33K 5% 1/4W
R520	1-215-443-00	METAL	8.2K 1% 1/4W	R636	1-215-487-00	METAL	560K 1% 1/4W
R521	1-215-867-00	METAL OXIDE	470 5% 1W F	R648	1-249-426-11	CARBON	5.6K 5% 1/4W
R523	1-249-441-11	CARBON	100K 5% 1/4W	R649	1-249-429-11	CARBON	10K 5% 1/4W
R524	1-215-860-11	METAL OXIDE	33 5% 1W F	R650	1-249-429-11	CARBON	10K 5% 1/4W
R525	1-215-453-00	METAL	22K 1% 1/4W	R651	1-249-413-11	CARBON	470 5% 1/4W
R526	1-215-465-00	METAL	68K 1% 1/4W	R652	1-249-421-11	CARBON	2.2K 5% 1/4W
R527	1-215-457-00	METAL	33K 1% 1/4W	R653	1-249-403-11	CARBON	68 5% 1/4W F
R528	1-215-447-00	METAL	12K 1% 1/4W	R654	1-249-408-11	CARBON	180 5% 1/4W
R529	1-249-415-11	CARBON	680 5% 1/4W	R655	1-249-429-11	CARBON	10K 5% 1/4W
R530	1-249-931-11	CARBON	2.2K 5% 1/4W F	R656	1-249-403-11	CARBON	68 5% 1/4W
R566	1-215-911-11	METAL OXIDE	100 5% 3W F	R657	1-249-417-11	CARBON	1K 5% 1/4W
R567	1-216-446-00	METAL OXIDE	18 5% 2W F	R658	1-249-417-11	CARBON	1K 5% 1/4W
R568	1-249-429-11	CARBON	10K 5% 1/4W	R659	1-249-441-11	CARBON	100K 5% 1/4W
R569	1-249-417-11	CARBON	1K 5% 1/4W	R660	1-249-415-11	CARBON	680 5% 1/4W
R571	1-249-431-11	CARBON	15K 5% 1/4W	R661 Δ	1-205-799-11	WIREWOUND	1.5 5% 20W
R572	1-249-429-11	CARBON	10K 5% 1/4W	R662	1-249-441-11	CARBON	100K 5% 1/4W
R573	1-215-447-00	METAL	12K 1% 1/4W	R663	1-247-901-11	CARBON	820K 5% 1/4W
R574	1-215-477-00	METAL	220K 1% 1/4W	R664	1-249-438-11	CARBON	56K 5% 1/4W
R575	1-249-441-11	CARBON	100K 5% 1/4W	R665	1-249-377-11	CARBON	0.47 5% 1/4W F
R576	1-249-429-11	CARBON	10K 5% 1/4W	R666	1-249-377-11	CARBON	0.47 5% 1/4W F
R577	1-249-427-11	CARBON	6.8K 5% 1/4W	R667	1-249-377-11	CARBON	0.47 5% 1/4W F
R578	1-249-417-11	CARBON	1K 5% 1/4W	R668	1-202-933-61	FUSIBLE	0.1 10% 1/2W F
R579	1-249-421-11	CARBON	2.2K 5% 1/4W	R669	1-249-437-11	CARBON	47K 5% 1/4W
R600	1-214-876-00	METAL	3.3K 1% 1/2W	R670	1-249-426-11	CARBON	5.6K 5% 1/4W
R601 Δ	1-202-882-91	SOLID	560K 20% 1/2W	R671	1-249-426-11	CARBON	5.6K 5% 1/4W
R602	1-215-925-11	METAL OXIDE	22K 5% 3W F	R672	1-249-417-11	CARBON	1K 5% 1/4W
R603	1-249-377-11	CARBON	0.47 5% 1/4W F	R674	1-249-430-11	CARBON	12K 5% 1/4W
R604	1-211-874-11	FUSIBLE	0.12 10% 1/2W	R675	1-247-807-31	CARBON	100 5% 1/4W
R605	1-211-874-11	FUSIBLE	0.12 10% 1/2W	R676	1-249-441-11	CARBON	100K 5% 1/4W
R606	1-260-288-11	CARBON	0.47 5% 1/2W	R677	1-249-433-11	CARBON	22K 5% 1/4W
R607	1-249-377-11	CARBON	0.47 5% 1/4W F	R678	1-249-433-11	CARBON	22K 5% 1/4W
R608	1-215-451-00	METAL	18K 1% 1/4W	R679	1-215-457-00	METAL	33K 1% 1/4W
R609	1-216-373-11	METAL OXIDE	2.2 5% 2W F	R680	1-215-453-00	METAL	22K 1% 1/4W
R610	1-249-429-11	CARBON	10K 5% 1/4W	R681	1-249-426-11	CARBON	5.6K 5% 1/4W
R611	1-249-419-11	CARBON	1.5K 5% 1/4W	R1801	1-215-431-00	METAL	2.7K 1% 1/4W
R612	1-249-381-11	CARBON	1 5% 1/4W F	R1803	1-249-413-11	CARBON	470 5% 1/4W
R613	1-207-642-00	WIREWOUND	0.15 10% 3W F	R1804	1-249-413-11	CARBON	470 5% 1/4W
R614	1-216-377-11	METAL OXIDE	4.7 5% 2W F	R1805	1-249-413-11	CARBON	470 5% 1/4W
R615	1-249-420-11	CARBON	1.8K 5% 1/4W	R1806	1-215-418-00	METAL	750 1% 1/4W
R616	1-249-420-11	CARBON	1.8K 5% 1/4W	R1807	1-249-413-11	CARBON	470 5% 1/4W
R617	1-215-927-00	METAL OXIDE	47K 5% 3W F	R1808	1-249-413-11	CARBON	470 5% 1/4W
R618	1-215-927-00	METAL OXIDE	47K 5% 3W F	R1809	1-249-413-11	CARBON	470 5% 1/4W
R619	1-249-421-11	CARBON	2.2K 5% 1/4W	R1810	1-215-410-00	METAL	360 1% 1/4W



The components identified by in this manual have been carefully factory-selected for each set 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 trame et une marque sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

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

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R1811	1-215-409-00	METAL	330 1% 1/4W	<THERMISTOR>			
R1812	1-215-410-00	METAL	360 1% 1/4W	TH601 1-809-260-11 THERMISTOR, POWER			
R1813	1-215-413-00	METAL	470 1% 1/4W	THP601 1-809-827-21 THERMISTOR, POSITIVE			
R1814	1-215-416-00	METAL	620 1% 1/4W	<VARISTOR>			
R1815	1-215-439-00	METAL	5.6K 1% 1/4W	VA601 1-810-622-11 VARISTOR			
R1816	1-215-467-00	METAL	82K 1% 1/4W	MISCELLANEOUS			
R1817	1-215-413-00	METAL	470 1% 1/4W	*****			
R1818	1-215-423-00	METAL	1.2K 1% 1/4W	1-409-975-11 COIL, DEMAGNETIZATION			
R1819	1-215-426-00	METAL	1.6K 1% 1/4W	1-452-279-42 MAGNET, RING 4P			
R1820	1-215-432-00	METAL	3K 1% 1/4W	1-765-688-41 CABLE (D-SUB 15P-9P)			
R1821	1-215-413-00	METAL	470 1% 1/4W	1-765-717-11 CORD SET, POWER (10A/250V) (AEP, ES)			
R1822	1-215-431-00	METAL	2.7K 1% 1/4W	1-765-718-11 CORD SET, POWER (10A/125V) (U/C)			
R1823	1-215-410-00	METAL	360 1% 1/4W	8-738-599-05 PICTURE TUBE 17SA2K (AEP, U/C, ES)			
R1824	1-215-409-00	METAL	330 1% 1/4W	8-738-598-05 PICTURE TUBE 17SA2K (AUS)			
R1825	1-215-410-00	METAL	360 1% 1/4W	8-738-588-97 PICTURE TUBE (ITC) 17SA2K-R3 (AEP, U/C, ES)			
R1826	1-215-413-00	METAL	470 1% 1/4W	8-738-598-90 PICTURE TUBE (ITC) 17SA2K-RS3 (AUS)			
R1827	1-215-416-00	METAL	620 1% 1/4W	<VARIABLE RESISTOR>			
R1828	1-215-418-00	METAL	750 1% 1/4W	RV470 1-241-767-21 RES, ADJ, CERMET 100K (HV ADJ)			
R1829	1-215-423-00	METAL	1.2K 1% 1/4W	RV501 1-241-785-11 RES, ADJ, CARBON 10K (H.CENT)			
R1830	1-215-426-00	METAL	1.6K 1% 1/4W	<RELAY>			
R1831	1-215-432-00	METAL	3K 1% 1/4W	RY601 1-755-031-11 RELAY			
R1832	1-215-439-00	METAL	5.6K 1% 1/4W	<SWITCH>			
R1833	1-215-467-00	METAL	82K 1% 1/4W	S1801 1-762-093-11 SWITCH, TACTILE (BRT-)			
<VARIABLE RESISTOR>				S1802 1-762-093-11 SWITCH, TACTILE (CONT)			
RV470 1-241-767-21 RES, ADJ, CERMET 100K (HV ADJ)				S1803 1-762-093-11 SWITCH, TACTILE (BRT+)			
RV501 1-241-785-11 RES, ADJ, CARBON 10K (H.CENT)				S1815 1-692-220-11 SWITCH, TACTILE (CENT)			
<RELAY>				S1816 1-692-220-11 SWITCH, TACTILE (SIZE)			
RY601 1-755-031-11 RELAY				S1817 1-692-220-11 SWITCH, TACTILE (GEOM)			
<SWITCH>				S1818 1-692-220-11 SWITCH, TACTILE (COLOR)			
S1801 1-762-093-11 SWITCH, TACTILE (BRT-)				S1819 1-692-431-21 SWITCH, TACTILE (POWER)			
S1802 1-762-093-11 SWITCH, TACTILE (CONT)				S1821 1-692-431-21 SWITCH, TACTILE (RESET)			
S1803 1-762-093-11 SWITCH, TACTILE (BRT+)				<TRANSFORMER>			
S1815 1-692-220-11 SWITCH, TACTILE (CENT)				T071 1-426-793-11 TRANSFORMER, FERRITE (DFT)			
S1816 1-692-220-11 SWITCH, TACTILE (SIZE)				T501 8-598-940-00 TRANSFORMER ASSY, FLYBACK			
S1817 1-692-220-11 SWITCH, TACTILE (GEOM)				T502 1-427-720-21 TRANSFORMER, CONVERTER (SRT)			
S1818 1-692-220-11 SWITCH, TACTILE (COLOR)				T504 1-427-686-11 TRANSFORMER, FERRITE (HDT)			
S1819 1-692-431-21 SWITCH, TACTILE (POWER)				T505 1-423-856-11 TRANSFORMER, FERRITE (HST)			
S1821 1-692-431-21 SWITCH, TACTILE (RESET)							
<TRANSFORMER>							
T071 1-426-793-11 TRANSFORMER, FERRITE (DFT)							
T501 8-598-940-00 TRANSFORMER ASSY, FLYBACK							
T502 1-427-720-21 TRANSFORMER, CONVERTER (SRT)							
T504 1-427-686-11 TRANSFORMER, FERRITE (HDT)							
T505 1-423-856-11 TRANSFORMER, FERRITE (HST)							